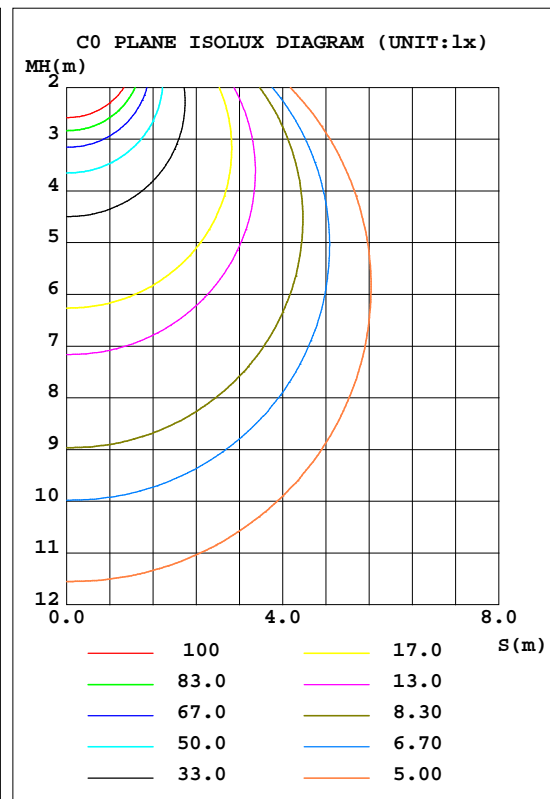
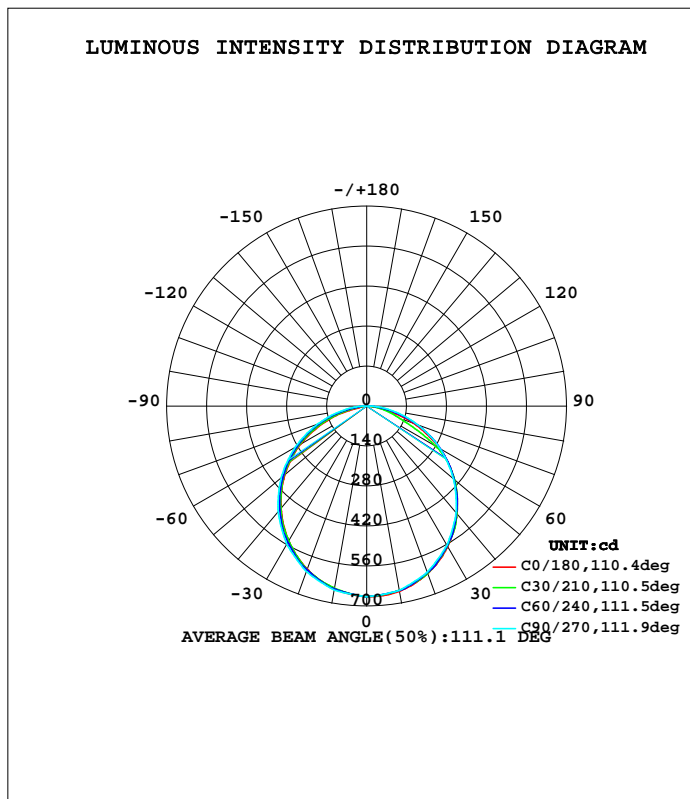


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.41x1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 89.44 lm/W
MODEL	LR24-35E	I _{max} (cd)	667.4	S/MH(C0/180)	1.22	
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	1825.4	η UP,DN(C0-180)	0.0,49.6	
NOMINAL FLUX(lm)	1825.41	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.4	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35	



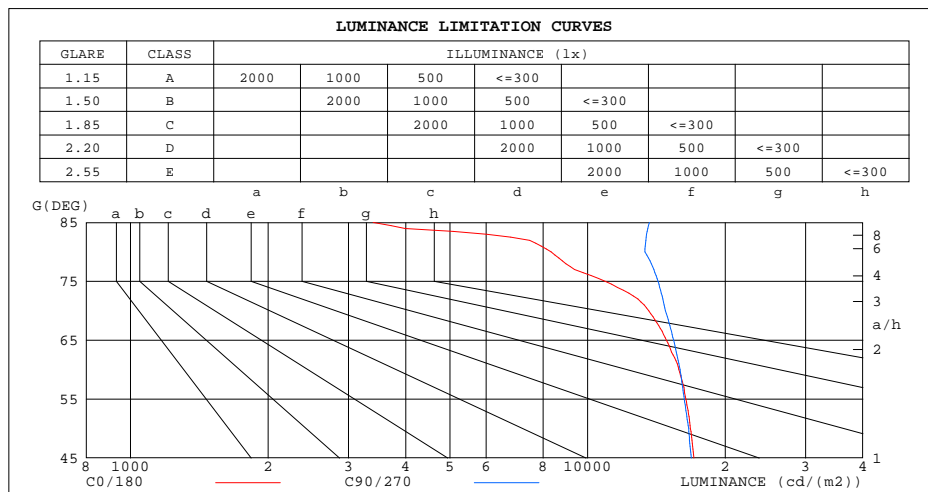
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Σlum,lamp
5	665.7	662.5	661.4	659.5	661.3	659.1	660.9	662.0	0- 5	15.86	15.86	0.87,0.87
10	658.5	655.1	655.4	648.6	648.5	648.5	654.4	653.8	5- 10	46.98	62.85	3.44,3.44
15	644.5	642.8	637.4	633.9	631.4	633.3	635.7	641.2	10- 15	76.46	139.3	7.63,7.63
20	624.4	621.3	619.5	608.6	607.5	608.3	616.9	618.5	15- 20	103.1	242.4	13.3,13.3
25	598.3	597.3	590.9	581.1	579.2	581.5	588.0	593.6	20- 25	126.3	368.7	20.2,20.2
30	567.9	566.7	562.4	545.4	545.7	548.7	559.1	562.2	25- 30	144.9	513.6	28.1,28.1
35	532.6	530.2	524.9	505.2	508.1	511.0	520.7	525.3	30- 35	158.5	672.1	36.8,36.8
40	491.9	492.1	487.4	464.1	466.5	471.9	482.4	486.1	35- 40	166.6	838.7	45.9,45.9
45	448.3	447.8	442.2	414.8	422.0	425.9	436.9	441.2	40- 45	169.2	1008	55.2,55.2
50	400.3	402.8	396.9	363.9	374.1	379.6	391.4	395.5	45- 50	165.9	1174	64.3,64.3
55	349.2	351.6	346.4	301.9	322.8	328.5	340.1	343.9	50- 55	156.6	1330	72.9,72.9
60	293.9	298.1	295.8	242.6	267.2	277.4	288.8	292.0	55- 60	141.5	1472	80.6,80.6
65	233.3	225.7	241.8	188.2	206.2	221.3	234.4	235.6	60- 65	120.5	1592	87.2,87.2
70	172.6	152.6	187.9	134.1	144.3	162.9	180.0	177.9	65- 70	94.81	1687	92.4,92.4
75	105.0	94.09	136.9	83.24	71.54	102.6	129.1	119.0	70- 75	68.31	1756	96.2,96.2
80	53.58	54.12	85.97	42.79	18.38	48.13	78.11	61.14	75- 80	42.95	1798	98.5,98.5
85	10.97	24.09	44.15	15.47	0.6636	12.65	39.16	20.13	80- 85	20.82	1819	99.7,99.7
90	0.4554	2.250	2.322	1.632	0.2300	0.2976	0.2210	0.4510	85- 90	6.118	1825	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



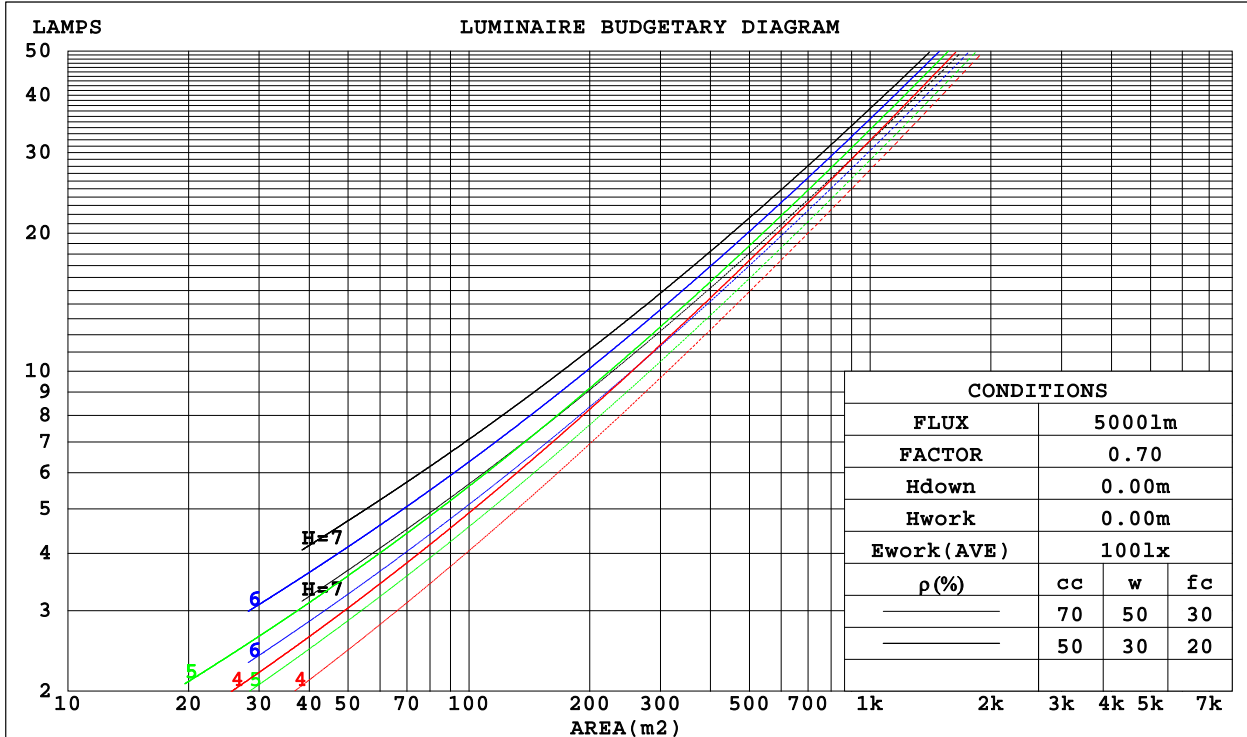
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-11-12

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.190m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.41x1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.85	.79	.89	.83	.78	.86	.81	.76	.83	.78	.74	.79	.76	.73	.71
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.67	.63	.70	.66	.62	.60
4.0	.71	.62	.56	.70	.62	.55	.67	.60	.55	.65	.59	.54	.63	.58	.53	.51
5.0	.64	.55	.48	.62	.54	.48	.60	.53	.47	.58	.52	.47	.56	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.50	.42	.37	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.41x1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.300	.170	.054	.292	.167	.053	.279	.160	.051	.267	.154	.049	.256	.148	.048	
2.0	.284	.156	.048	.278	.153	.047	.266	.148	.046	.256	.143	.045	.246	.139	.044	
3.0	.265	.141	.042	.259	.139	.042	.249	.135	.041	.239	.131	.040	.230	.128	.039	
4.0	.245	.127	.037	.240	.126	.037	.231	.123	.037	.223	.120	.036	.215	.117	.036	
5.0	.227	.116	.034	.223	.114	.033	.215	.112	.033	.207	.109	.033	.200	.107	.032	
6.0	.211	.106	.030	.207	.105	.030	.200	.103	.030	.193	.100	.030	.187	.098	.029	
7.0	.197	.097	.028	.193	.096	.027	.187	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023	
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.074	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.060	.053	.047	.019	.017	.015	
2.0	.171	.132	.099	.147	.114	.086	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.163	.114	.075	.140	.099	.065	.096	.068	.046	.056	.040	.027	.018	.013	.009	
4.0	.156	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.4lx1 lm										
NAME: LR24-35E					TYPE:LED			WEIGHT:		
SPEC.:					DIM.: 603*96			SERIAL No.:1		
MFR.: EVERFINE					SUR.:572*65			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	22.6	24.1	22.8	24.3	24.5	22.8	24.3	23.1	24.5	24.7
3H	23.5	24.9	23.8	25.1	25.4	24.4	25.8	24.7	26.0	26.2
4H	23.7	25.1	24.1	25.3	25.6	25.0	26.4	25.4	26.6	26.9
6H	23.9	25.1	24.2	25.4	25.7	25.6	26.8	25.9	27.1	27.3
8H	23.9	25.1	24.3	25.4	25.7	25.7	26.9	26.1	27.2	27.5
12H	23.9	25.1	24.3	25.4	25.7	25.9	27.0	26.2	27.3	27.6
4H 2H	23.1	24.4	23.4	24.7	24.9	23.4	24.7	23.7	24.9	25.2
3H	24.1	25.3	24.5	25.6	25.9	25.1	26.3	25.5	26.6	26.9
4H	24.4	25.5	24.8	25.8	26.2	25.9	27.0	26.3	27.3	27.6
6H	24.7	25.7	25.1	26.0	26.4	26.6	27.5	27.0	27.9	28.2
8H	24.8	25.7	25.2	26.1	26.4	26.8	27.7	27.3	28.1	28.5
12H	24.9	25.7	25.3	26.0	26.5	27.1	27.9	27.5	28.2	28.6
8H 4H	24.7	25.5	25.1	25.9	26.3	26.0	26.9	26.4	27.3	27.6
6H	25.0	25.8	25.5	26.2	26.6	26.8	27.6	27.3	28.0	28.4
8H	25.2	25.8	25.7	26.3	26.7	27.2	27.8	27.7	28.3	28.7
12H	25.3	25.8	25.8	26.3	26.8	27.5	28.1	28.0	28.5	29.0
12H 4H	24.7	25.5	25.1	25.9	26.3	26.0	26.8	26.4	27.2	27.6
6H	25.1	25.7	25.6	26.2	26.6	26.8	27.5	27.3	27.9	28.3
8H	25.3	25.8	25.8	26.3	26.8	27.2	27.8	27.7	28.2	28.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.4 / - 0.6					+ 0.2 / - 0.3				
2.0H	+ 0.4 / - 0.6					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 1825 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.1)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.41x1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:

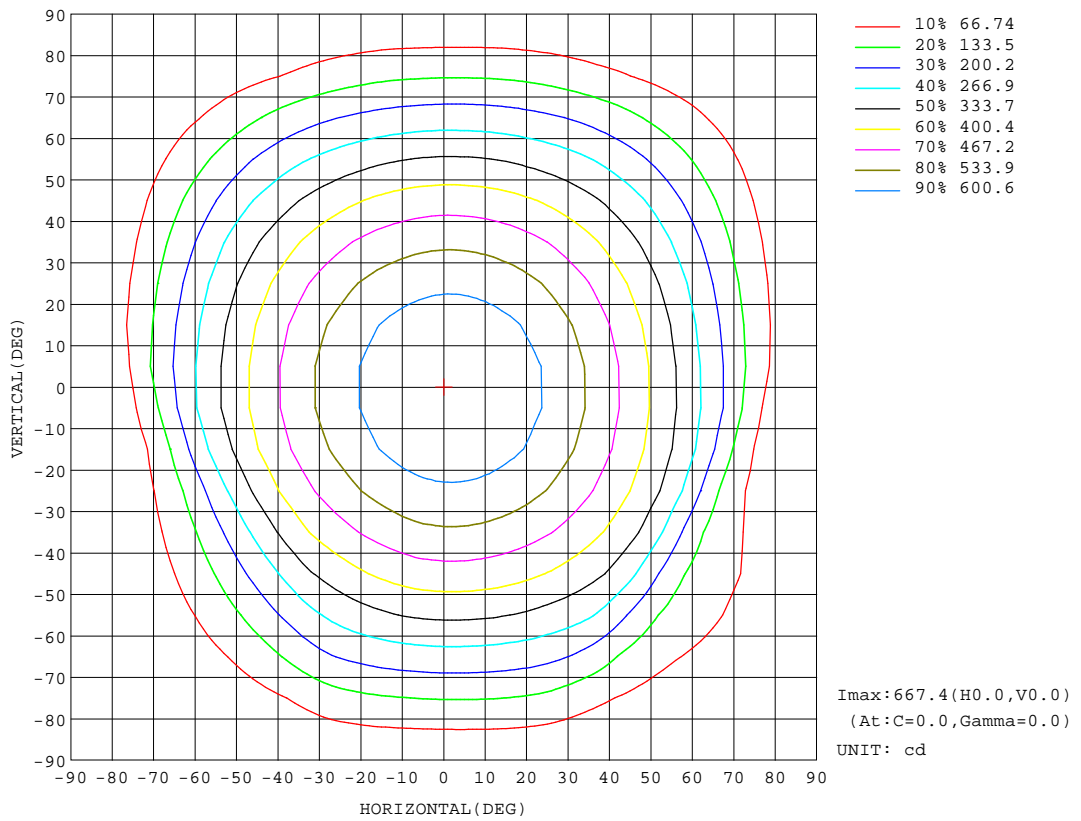
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	68	57	50	67	56	49	66	56	49	42
1.00	77	66	59	76	65	58	73	67	58	51
1.25	84	74	67	82	73	66	80	71	65	58
1.50	89	79	72	87	78	72	84	77	71	63
2.00	96	87	81	94	86	80	90	84	79	71
2.50	99	92	86	97	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	100	107	102	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.190m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.4lx1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:



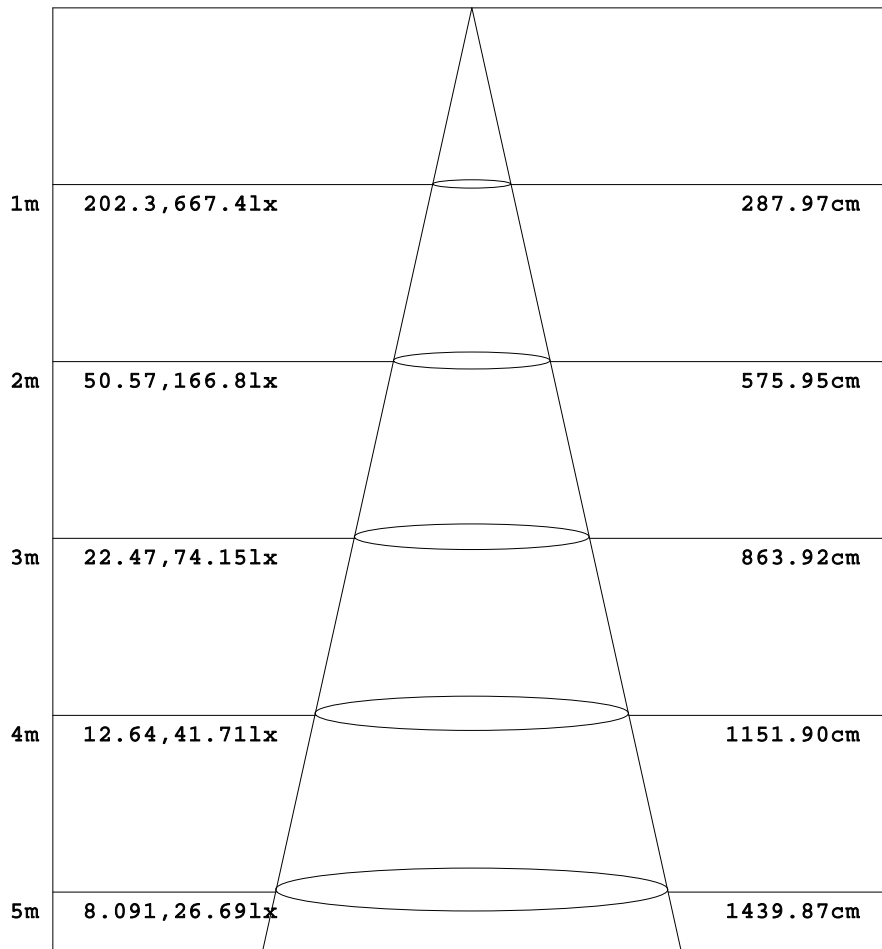
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.4lx1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:

Flux out:1345 lm



Height Eavg, Emax Angle:110.44deg Diameter

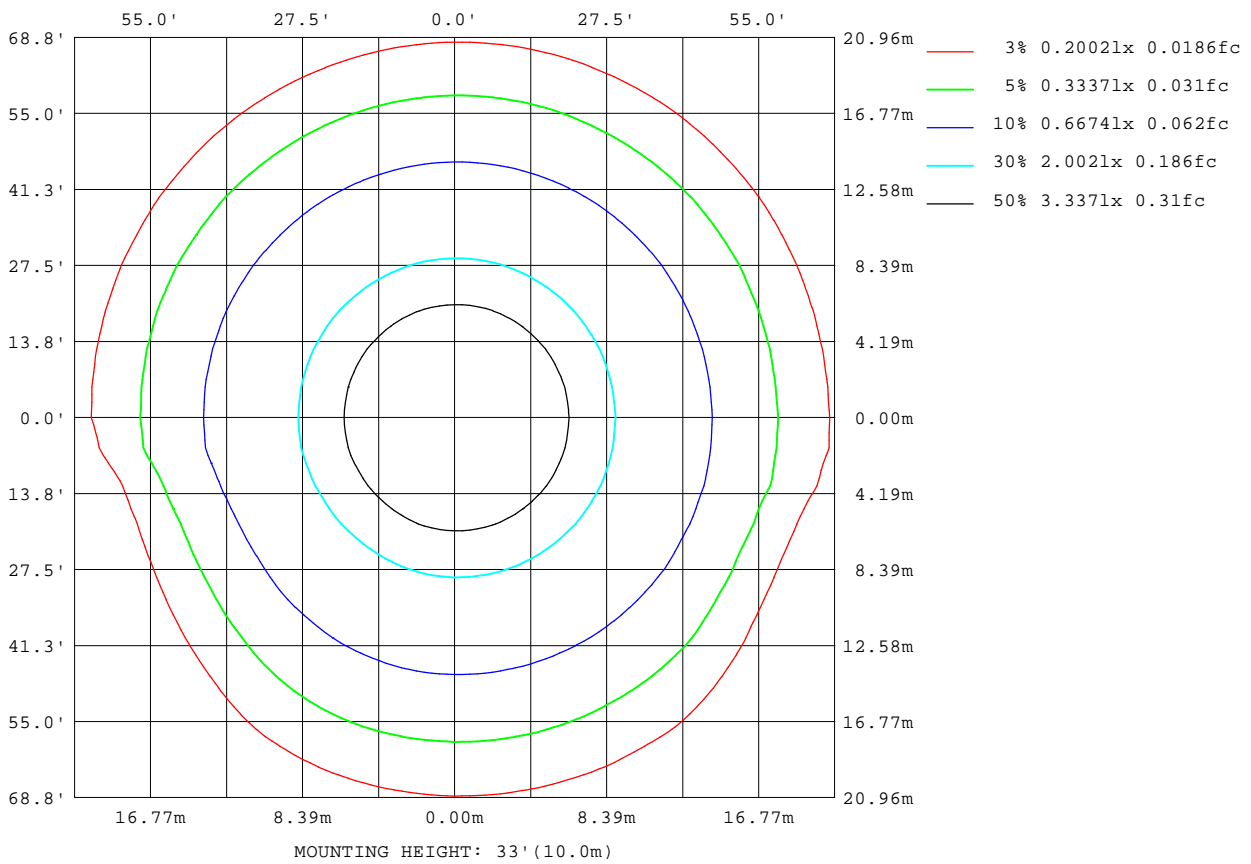
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.41x1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.41x1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:

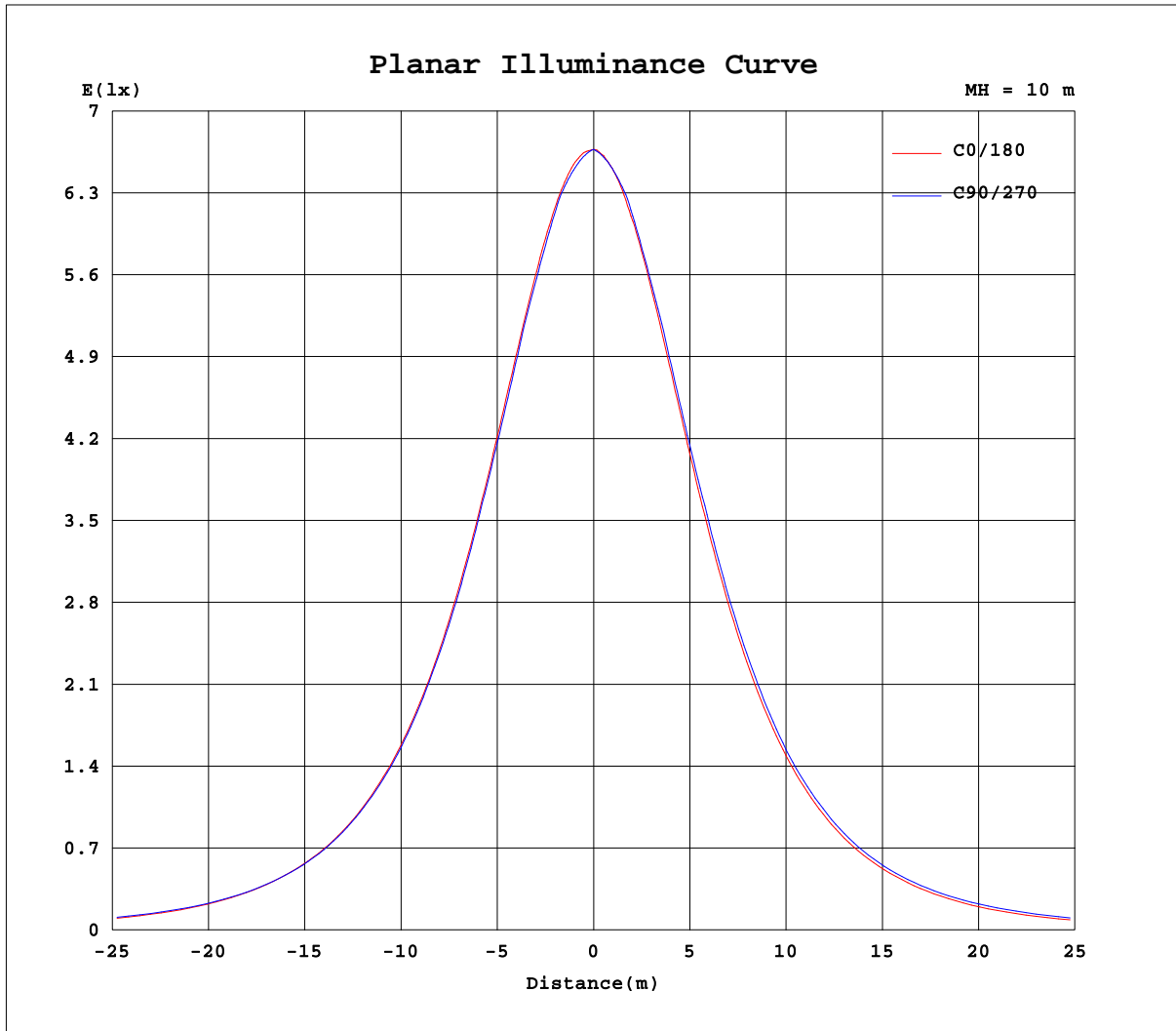
AvgL	cd/m2
L_0~180(65)av	14013
L_0~180(75)av	9193
L_0~180(85)av	1799
L_90~270(65)av	15187
L_90~270(75)av	13850
L_90~270(85)av	12883
L_45(65)av	13885
L_45(75)av	10385
L_45(85)av	5593

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.190m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.190m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.4lx1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) / γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667
5	666	665	665	664	664	663	663	663	663	662	662	662	662	662	662	661	661	661	661
10	659	658	657	656	656	655	655	655	655	655	655	656	655	656	656	656	656	656	655
15	645	643	642	642	642	641	641	642	643	643	642	641	641	640	639	639	638	638	637
20	624	623	622	621	622	622	624	622	621	621	621	621	621	621	621	620	620	620	620
25	598	597	596	596	598	597	596	596	597	597	598	597	596	595	594	593	593	592	591
30	568	566	565	566	567	566	566	567	568	567	566	565	564	564	564	564	564	563	562
35	533	530	530	532	531	531	533	531	531	530	531	531	530	529	528	527	527	526	525
40	492	490	491	491	491	493	492	491	492	492	491	490	490	490	489	489	489	488	487
45	448	446	448	447	449	449	448	449	448	448	447	448	448	446	446	445	444	443	442
50	400	399	400	401	402	401	402	402	402	403	401	401	400	400	399	399	399	398	397
55	349	348	349	352	349	350	349	353	352	352	351	352	351	350	350	349	348	347	346
60	294	293	293	283	277	271	278	282	291	298	298	299	298	299	299	298	297	296	296
65	233	233	212	186	179	180	186	197	212	226	238	245	244	245	245	244	243	243	242
70	173	147	113	108	110	114	120	128	136	153	169	178	185	190	191	190	189	189	188
75	105	64.9	67.2	77.4	80.5	81.7	80.5	81.4	86.4	94.1	104	115	127	136	138	139	138	138	137
80	53.6	39.6	49.8	49.7	48.0	45.7	43.4	46.0	49.4	54.1	59.1	64.5	72.7	81.0	85.1	87.3	87.5	86.7	86.0
85	11.0	18.7	18.8	18.5	18.1	17.5	17.7	19.9	22.0	24.1	26.3	29.2	34.3	39.8	42.8	44.4	44.7	44.5	44.1
90	0.46	1.33	1.76	2.25	2.46	2.45	2.38	2.37	2.31	2.25	2.15	2.10	2.08	2.11	2.11	2.11	2.16	2.39	2.32

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.41x1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667
5	661	661	661	660	660	660	660	660	659	659	659	659	659	660	660	660	661	661	661
10	655	654	653	653	652	651	650	650	649	648	648	647	647	647	647	647	648	649	648
15	637	636	636	635	634	634	634	634	634	634	632	631	630	629	629	629	630	631	630
20	619	617	617	615	613	612	611	610	609	608	609	610	608	607	606	606	606	608	606
25	590	589	588	587	586	585	584	584	581	579	578	578	579	579	578	577	577	579	577
30	561	560	558	556	552	549	547	546	545	545	544	543	543	545	546	544	544	546	544
35	523	522	519	516	513	511	510	507	505	504	504	504	504	505	509	507	506	508	506
40	485	484	479	475	472	468	465	464	464	462	459	459	461	461	465	466	465	466	465
45	440	439	434	430	427	424	420	417	415	413	412	411	411	415	417	423	420	422	421
50	396	393	389	384	379	375	370	366	364	356	351	351	349	357	363	371	373	374	373
55	345	343	340	335	331	325	316	310	302	292	282	279	277	281	294	310	322	323	323
60	294	292	290	287	282	275	266	256	243	232	222	214	209	207	214	232	263	267	268
65	240	239	237	235	231	226	217	203	188	175	164	154	146	141	140	145	178	206	207
70	187	185	184	182	180	175	162	148	134	121	110	102	94.8	88.9	85.2	84.0	92.9	144	145
75	136	135	133	131	128	121	109	95.1	83.2	73.7	66.3	59.9	55.2	51.4	48.0	45.6	43.4	71.5	87.0
80	85.0	84.0	82.7	79.5	73.9	65.7	55.7	48.7	42.8	36.9	32.6	29.4	26.8	24.3	22.4	20.8	19.2	18.4	39.4
85	43.4	42.6	41.7	39.6	35.8	29.8	23.1	18.9	15.5	12.1	8.49	4.14	4.93	5.52	2.82	2.08	1.14	0.66	2.09
90	1.80	1.53	1.54	1.61	1.69	1.68	1.67	1.65	1.63	1.60	1.60	1.60	1.60	1.60	1.50	1.08	0.62	0.23	0.24

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.41x1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667
5	660	660	660	659	659	659	659	659	659	660	660	660	660	660	661	661	661	661	661
10	647	647	647	647	647	648	648	648	649	649	650	651	652	653	653	654	654	654	654
15	629	629	629	630	631	632	633	633	633	633	633	633	633	634	635	635	636	636	637
20	606	606	607	608	609	609	608	608	609	610	611	612	613	614	615	617	617	618	618
25	577	578	580	580	579	579	580	582	584	584	583	584	585	586	586	588	588	589	590
30	544	546	547	545	546	547	549	549	549	550	551	552	554	555	557	558	559	560	560
35	507	509	508	508	510	510	510	511	513	515	516	516	516	518	519	520	521	522	522
40	467	467	466	468	468	468	471	472	472	472	474	475	476	478	480	482	482	483	484
45	423	421	423	423	424	426	426	426	427	429	430	431	432	433	435	436	437	438	438
50	375	375	375	376	378	377	378	380	380	381	382	383	385	387	389	390	391	392	392
55	323	325	325	327	326	327	328	329	330	332	333	334	335	336	337	339	340	340	341
60	268	269	272	272	273	273	275	277	278	279	280	281	283	285	286	288	289	289	290
65	208	210	210	212	214	217	219	221	224	226	227	228	229	231	232	233	234	235	236
70	147	147	149	151	153	155	160	163	166	169	172	174	176	177	178	179	180	181	181
75	88.2	88.2	89.5	90.5	92.8	95.2	98.4	103	107	111	116	119	122	125	127	128	129	130	130
80	39.1	39.0	38.8	39.6	39.8	42.3	45.5	48.1	49.8	52.2	57.1	63.1	68.8	74.1	76.2	77.2	78.1	78.8	79.3
85	2.57	2.47	6.38	5.27	2.33	5.83	9.58	12.6	15.6	18.9	23.9	29.0	33.2	36.6	38.0	38.7	39.2	39.4	39.7
90	0.24	0.24	0.28	0.28	0.28	0.28	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.28	0.27	0.24	0.22	0.22	0.32

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.1715A P:20.41W PF:0.9893 Lamp Flux:1825.41x1 lm		
NAME: LR24-35E	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 603*96	SERIAL No.:1
MFR.: EVERFINE	SUR.:572*65	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEC) γ (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	667	667	667	667	667	667	667	667	667	667	667	667	667	667	667				
5	661	661	661	661	662	662	662	662	662	663	663	664	664	665	665				
10	655	654	654	654	654	654	654	654	654	654	654	655	656	657	657				
15	637	637	638	638	639	640	641	642	641	641	640	641	641	642	643				
20	618	618	618	618	618	618	619	619	620	622	622	620	620	621	622				
25	590	591	591	593	593	595	594	593	593	594	595	596	595	595	596				
30	560	560	560	560	561	561	562	564	563	562	563	564	564	564	565				
35	523	523	524	525	526	526	525	526	527	528	527	527	530	529	529				
40	484	484	484	484	484	485	486	486	486	487	489	487	488	488	489				
45	439	439	440	441	442	441	441	442	443	442	443	445	443	446	445				
50	393	393	393	393	393	394	396	394	395	396	395	396	397	397	397				
55	342	342	342	343	344	344	344	345	345	344	345	344	346	345	346				
60	290	291	290	290	291	291	292	291	291	292	290	290	290	290	291				
65	236	237	236	237	237	237	236	235	235	233	232	231	231	231	231				
70	182	182	182	182	181	179	178	177	175	173	172	170	169	169	170				
75	130	129	128	126	123	121	119	116	114	113	112	111	111	110	112				
80	79.1	76.3	72.6	68.3	63.9	61.7	61.1	59.7	57.6	56.3	57.5	58.2	59.0	59.9	60.6				
85	39.3	37.3	34.4	30.5	26.0	22.5	20.1	17.9	15.5	13.1	15.0	16.3	16.7	17.9	18.4				
90	0.37	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.44	0.50	0.53	0.65				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.190m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4
2.5	667.0	666.8	666.5	666.3	666.0	665.8	665.5	665.3	665.1	664.9
5.0	665.7	665.2	664.7	664.3	663.8	663.5	663.1	662.8	662.6	662.5
7.5	662.8	662.0	661.4	660.9	660.5	660.1	659.9	659.8	659.6	659.3
10.0	658.5	657.5	656.7	656.0	655.5	655.2	655.0	654.9	655.0	655.1
12.5	651.8	650.6	649.8	649.2	648.9	648.9	649.1	649.4	649.7	650.2
15.0	644.5	643.1	642.1	641.6	641.5	641.4	641.5	642.5	643.5	642.8
17.5	634.8	633.3	632.4	632.1	632.2	632.6	633.4	634.5	632.9	632.1
20.0	624.4	622.7	621.7	621.4	621.7	622.4	623.7	622.4	621.4	621.3
22.5	612.1	610.3	609.3	609.3	610.6	612.1	610.7	609.4	609.6	609.2
25.0	598.3	596.6	596.0	596.4	597.6	597.2	596.4	596.4	596.7	597.3
27.5	583.9	582.0	581.5	582.2	584.0	582.1	581.6	581.5	583.2	584.3
30.0	567.9	565.8	565.2	566.1	566.9	566.1	566.0	566.9	568.0	566.7
32.5	550.2	548.3	548.3	549.9	549.1	548.6	549.5	551.4	549.5	548.4
35.0	532.6	530.2	530.1	532.1	530.8	531.1	532.9	531.5	530.7	530.2
37.5	512.8	510.7	511.2	512.1	511.3	512.2	513.4	512.0	511.3	512.1
40.0	491.9	490.0	491.1	491.2	491.3	493.4	491.7	491.3	492.0	492.1
42.5	470.3	468.4	469.9	469.7	470.6	471.6	470.0	470.4	471.3	469.9
45.0	448.3	446.1	447.7	447.3	449.3	448.5	448.1	449.3	448.2	447.8
47.5	425.0	423.2	424.8	424.5	426.9	425.0	425.9	425.6	424.7	425.2
50.0	400.3	399.0	400.3	401.4	402.2	401.4	402.4	401.7	401.6	402.8
52.5	375.7	374.3	375.3	377.6	376.7	377.9	376.4	377.1	378.6	376.9
55.0	349.2	348.1	349.5	352.2	349.0	350.1	348.8	352.7	351.8	351.6
57.5	322.6	321.5	322.5	320.9	317.6	313.7	316.9	320.6	322.6	326.1
60.0	293.9	293.4	293.4	283.1	277.4	271.5	277.9	282.3	290.7	298.1
62.5	263.6	264.6	257.3	237.3	227.3	225.3	230.7	240.0	253.7	263.3
65.0	233.3	232.6	212.3	185.6	179.1	180.2	186.1	197.4	212.3	225.7
67.5	203.1	192.7	158.6	140.5	136.4	142.8	146.7	160.2	172.2	186.6
70.0	172.6	147.0	113.2	108.0	110.4	114.1	120.1	128.4	136.2	152.6
72.5	140.6	100.00	80.69	88.54	94.03	96.30	98.83	102.4	110.3	122.2
75.0	105.0	64.90	67.17	77.40	80.50	81.68	80.54	81.39	86.38	94.09
77.5	73.65	48.09	60.92	67.01	64.86	64.87	61.61	61.74	65.45	72.82
80.0	53.58	39.62	49.82	49.70	48.02	45.68	43.36	46.00	49.40	54.12
82.5	32.89	31.97	34.36	33.04	31.70	30.11	30.26	32.08	34.09	36.23
85.0	10.97	18.74	18.77	18.48	18.11	17.53	17.68	19.94	22.01	24.09
87.5	2.481	4.514	5.387	5.389	7.863	9.085	9.941	11.08	12.11	13.13
90.0	0.4554	1.327	1.759	2.246	2.462	2.448	2.381	2.367	2.313	2.250
G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4
2.5	664.7	664.6	664.5	664.4	664.3	664.3	664.3	664.3	664.3	664.3
5.0	662.4	662.3	662.0	661.8	661.6	661.5	661.4	661.4	661.4	661.3
7.5	659.0	658.9	658.9	659.0	658.8	658.7	658.6	658.5	658.4	658.2
10.0	655.4	655.6	655.5	655.5	655.7	655.8	655.8	655.8	655.4	655.2
12.5	650.7	650.6	649.9	648.9	648.2	647.7	647.2	646.9	646.4	646.1
15.0	641.8	641.1	640.5	640.0	639.1	638.8	638.2	637.9	637.9	636.9
17.5	631.7	631.1	630.9	630.7	630.2	629.7	629.2	628.9	628.5	627.8
20.0	620.7	621.0	620.8	621.2	621.0	620.5	620.4	620.0	619.5	618.8
22.5	609.7	610.1	611.2	609.9	609.1	607.6	606.9	606.0	605.2	604.7
25.0	597.9	597.2	595.7	594.9	594.4	593.3	592.6	591.7	590.9	590.4
27.5	582.6	581.1	580.3	579.9	579.3	578.8	578.1	577.5	576.7	575.8
30.0	565.6	564.8	564.5	564.1	564.2	564.2	563.7	563.3	562.4	561.3
32.5	548.5	548.4	548.5	548.7	547.7	546.8	545.6	544.7	543.6	542.3
35.0	530.7	531.4	530.1	529.2	528.2	527.5	526.7	525.8	524.9	523.1
37.5	512.1	511.3	509.9	509.3	508.6	508.3	507.7	506.9	506.2	504.1
40.0	490.8	490.0	489.6	489.5	489.2	488.9	488.6	487.9	487.4	485.1
42.5	469.5	469.0	469.7	469.4	468.8	467.3	466.6	465.5	464.8	462.8
45.0	447.4	448.1	447.9	446.2	445.8	444.6	443.9	443.0	442.2	440.4
47.5	425.9	424.5	423.6	423.0	422.3	421.8	421.2	420.5	419.5	418.0
50.0	401.3	400.5	399.7	399.7	399.0	399.0	398.5	398.0	396.9	395.6
52.5	376.2	376.0	375.8	376.1	375.3	374.7	373.5	372.7	371.6	370.3
55.0	351.4	351.8	350.9	350.4	349.6	349.2	348.1	347.3	346.4	344.9
57.5	326.5	325.4	324.3	324.7	324.0	323.7	322.7	321.9	321.1	319.5
60.0	298.2	298.7	298.2	298.8	298.6	298.3	297.3	296.4	295.8	294.1
62.5	268.8	272.1	271.9	272.9	272.2	271.5	270.5	269.6	268.8	267.3
65.0	238.0	244.6	244.1	245.2	244.9	244.3	243.5	242.6	241.8	240.4
67.5	203.9	211.5	214.9	217.8	217.8	217.1	216.4	215.7	214.9	213.6
70.0	168.8	177.8	185.2	190.4	190.7	190.1	189.4	188.7	187.9	186.8
72.5	134.6	143.9	154.9	163.0	164.1	164.1	163.8	163.2	162.4	161.3
75.0	103.8	115.0	127.1	135.6	137.8	138.5	138.3	137.7	136.9	135.9
77.5	80.98	89.43	99.73	108.2	111.5	112.9	112.9	112.2	111.4	110.4
80.0	59.08	64.51	72.68	81.00	85.11	87.33	87.47	86.75	85.97	85.04
82.5	38.53	43.04	50.68	58.86	63.24	65.54	65.96	65.61	65.06	64.17
85.0	26.26	29.21	34.27	39.83	42.82	44.38	44.69	44.54	44.15	43.38

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.190m [K=1.0000]
Remarks:

Photometric Data Table [cd]

87.5	14.16	15.60	18.11	20.93	22.45	23.24	23.42	23.46	23.23	22.59
90.0	2.146	2.097	2.079	2.106	2.106	2.106	2.156	2.390	2.322	1.803
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4
2.5	664.3	664.3	664.3	664.2	664.0	663.9	663.7	663.6	663.6	663.6
5.0	661.2	660.8	660.2	659.9	659.8	659.8	659.7	659.5	659.3	659.3
7.5	657.7	656.8	656.5	656.2	655.8	655.3	654.8	654.5	654.3	654.1
10.0	654.1	653.3	652.8	652.2	651.0	650.4	649.5	648.6	648.2	647.8
12.5	645.2	644.9	644.8	644.3	644.3	644.0	643.7	642.6	641.4	640.3
15.0	636.0	635.7	634.9	634.4	633.7	633.6	633.6	633.9	633.9	632.3
17.5	626.7	626.1	625.1	624.0	623.1	622.6	622.2	621.8	621.7	622.3
20.0	617.5	616.7	615.2	613.4	612.4	611.1	609.7	608.6	608.4	608.8
22.5	603.6	603.0	602.2	601.7	601.2	598.7	596.6	595.4	594.2	594.1
25.0	589.1	588.0	586.6	585.8	584.5	583.7	583.6	581.1	579.2	578.1
27.5	574.6	573.2	571.5	569.0	566.9	565.9	565.4	565.5	563.0	561.3
30.0	560.2	557.8	555.5	551.7	549.1	547.4	546.3	545.4	545.4	543.5
32.5	541.4	539.3	537.2	534.3	531.2	529.0	526.9	525.4	524.6	525.4
35.0	522.1	519.5	516.3	513.5	511.4	510.1	507.5	505.2	504.1	503.9
37.5	502.9	499.3	495.9	492.5	490.0	488.1	487.4	485.2	482.9	482.2
40.0	483.6	479.0	475.3	471.6	468.5	465.4	463.9	464.1	461.8	459.5
42.5	461.3	457.4	454.0	450.5	446.5	442.6	440.5	439.3	439.3	436.1
45.0	438.5	434.5	430.4	427.0	423.5	419.5	417.0	414.8	412.7	412.4
47.5	415.7	411.6	406.9	403.2	399.0	395.2	393.3	390.0	385.0	383.7
50.0	393.1	389.0	383.6	379.3	374.7	369.7	366.1	363.9	355.8	351.3
52.5	368.1	364.9	359.8	355.6	350.1	343.6	338.2	333.0	323.7	317.0
55.0	342.8	339.8	335.3	331.0	325.1	316.4	310.4	301.9	291.9	282.5
57.5	317.5	314.8	311.0	306.4	300.0	291.0	282.0	271.1	261.4	251.3
60.0	292.3	290.0	286.9	281.9	275.3	266.2	255.7	242.6	232.2	221.8
62.5	265.7	264.0	261.9	257.6	251.2	241.7	229.0	215.4	204.0	192.9
65.0	238.8	237.3	235.2	231.4	226.3	216.8	202.8	188.2	175.2	164.2
67.5	212.1	210.6	208.7	205.6	200.4	189.7	175.7	161.0	147.3	136.4
70.0	185.3	183.9	182.2	180.1	174.7	162.5	148.0	134.1	120.6	110.3
72.5	159.8	158.3	156.3	154.4	149.0	135.6	121.0	108.1	96.50	86.61
75.0	134.5	133.0	130.7	127.6	121.0	108.5	95.11	83.24	73.69	66.33
77.5	109.2	107.9	105.1	100.8	93.25	81.76	71.43	62.09	53.25	47.79
80.0	83.95	82.70	79.50	73.95	65.69	55.69	48.73	42.79	36.94	32.64
82.5	63.12	61.87	58.75	53.06	44.28	34.24	27.75	24.37	21.57	18.90
85.0	42.58	41.74	39.64	35.81	29.85	23.15	18.87	15.47	12.14	8.495
87.5	22.05	21.64	20.60	18.71	15.69	12.34	10.21	8.490	6.795	4.941
90.0	1.529	1.542	1.614	1.687	1.682	1.668	1.655	1.632	1.596	1.596
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4
2.5	663.8	663.9	664.1	664.3	664.6	664.8	665.1	664.8	664.5	664.3
5.0	659.3	659.5	659.7	660.0	660.3	660.8	661.3	660.7	660.3	659.9
7.5	653.9	653.9	654.1	654.4	654.9	655.5	656.2	655.4	654.8	654.4
10.0	647.4	647.2	647.0	647.0	647.2	647.7	648.5	647.7	647.2	646.9
12.5	639.5	639.0	638.9	639.1	639.4	640.1	641.1	640.1	639.4	639.0
15.0	630.8	629.8	629.3	629.1	629.4	630.2	631.4	630.1	629.3	628.9
17.5	621.0	619.7	618.6	617.9	618.0	618.8	620.1	618.7	617.9	617.8
20.0	609.5	608.3	606.7	605.8	605.5	606.1	607.5	606.2	605.6	605.9
22.5	594.4	595.8	593.6	592.4	592.1	592.5	594.1	592.6	592.3	592.6
25.0	578.2	579.4	579.4	577.8	577.0	577.5	579.2	577.5	576.9	577.6
27.5	560.8	561.8	564.1	562.1	561.1	561.2	562.9	561.3	561.0	562.1
30.0	542.7	543.4	544.9	545.7	544.0	544.0	545.7	545.0	544.1	546.0
32.5	523.7	523.8	526.0	528.3	526.2	525.7	527.3	525.9	526.6	528.7
35.0	504.3	503.8	505.3	509.4	506.9	506.1	508.1	506.4	506.9	509.4
37.5	482.6	482.6	483.4	487.4	487.1	486.0	487.5	486.1	487.2	488.8
40.0	459.1	461.1	461.4	464.8	466.2	464.8	466.5	465.0	466.7	467.1
42.5	435.3	437.0	438.4	441.2	444.7	442.8	444.4	443.2	445.4	444.7
45.0	410.5	410.7	414.6	416.8	422.7	420.3	422.0	420.8	423.4	421.5
47.5	382.7	381.6	388.9	391.5	397.8	396.9	398.3	397.4	399.7	398.3
50.0	350.5	349.1	356.6	362.6	370.8	373.0	374.1	373.5	374.9	374.6
52.5	314.2	313.4	319.7	329.5	341.1	348.1	348.6	348.7	349.6	350.2
55.0	278.9	277.2	280.6	294.5	310.3	322.4	322.8	323.0	323.5	324.8
57.5	246.2	241.5	244.0	256.5	274.2	295.5	296.0	296.9	296.7	297.7
60.0	214.5	208.8	207.1	214.4	232.0	262.6	267.2	267.7	268.3	268.8
62.5	183.8	176.6	173.0	174.9	187.3	224.3	236.9	238.1	238.7	239.3
65.0	154.4	146.4	141.0	140.0	144.6	178.2	206.2	207.3	208.2	209.7
67.5	126.9	119.2	112.5	110.2	111.3	131.7	175.3	176.2	177.0	178.5
70.0	102.0	94.81	88.90	85.21	83.96	92.92	144.3	145.4	146.5	147.2
72.5	79.28	73.62	68.71	64.48	62.08	62.72	113.1	114.8	116.9	117.1
75.0	59.93	55.19	51.43	48.04	45.60	43.45	71.54	87.01	88.18	88.23
77.5	43.84	39.87	36.97	34.86	32.40	30.64	31.47	62.44	62.40	62.70

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.190m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

80.0	29.41	26.83	24.34	22.41	20.76	19.22	18.38	39.41	39.11	38.96
82.5	16.40	15.17	13.09	11.36	10.46	8.611	7.992	18.61	18.28	18.03
85.0	4.142	4.927	5.516	2.816	2.078	1.141	0.6636	2.090	2.569	2.466
87.5	2.777	1.846	1.724	1.540	1.124	0.5655	0.2403	0.4071	0.4772	0.4651
90.0	1.596	1.596	1.596	1.497	1.082	0.6169	0.2300	0.2390	0.2390	0.2390
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4
2.5	664.1	663.9	663.7	663.5	663.5	663.5	663.6	663.7	663.8	664.0
5.0	659.5	659.2	659.0	658.9	659.0	659.1	659.4	659.5	659.6	659.6
7.5	654.0	653.8	653.6	653.5	653.6	654.0	654.3	654.6	655.0	655.6
10.0	646.8	646.9	647.2	647.6	648.0	648.5	648.7	649.3	650.4	651.1
12.5	638.7	638.7	639.1	640.0	641.0	642.1	643.5	643.7	642.9	643.1
15.0	629.1	629.8	630.9	632.1	633.4	633.3	632.9	632.9	633.0	632.8
17.5	618.5	619.6	620.5	621.9	621.6	621.2	621.3	621.5	622.0	622.7
20.0	606.8	608.4	609.4	608.8	608.1	608.3	609.1	609.9	610.7	612.2
22.5	593.5	595.9	594.9	594.5	594.4	595.5	596.3	597.8	599.8	599.8
25.0	579.7	580.3	579.2	579.4	580.0	581.5	583.7	583.7	583.4	584.1
27.5	564.4	562.9	562.6	563.7	565.1	566.8	566.6	567.1	567.4	568.2
30.0	546.7	545.4	545.7	547.1	548.9	548.7	548.9	549.9	551.1	552.0
32.5	527.6	527.3	528.2	530.2	529.6	530.2	531.2	532.7	534.8	536.2
35.0	508.2	508.2	510.1	510.2	510.1	511.0	513.3	515.2	515.7	516.0
37.5	487.5	488.6	489.6	489.5	490.5	492.1	494.5	494.0	494.5	495.3
40.0	466.3	468.4	468.1	468.4	470.5	471.9	471.5	472.4	473.6	475.1
42.5	444.7	446.0	446.0	447.5	449.6	449.1	449.4	450.8	452.3	454.4
45.0	423.0	422.7	423.6	426.3	425.7	425.9	427.0	428.9	430.0	430.9
47.5	399.7	399.4	401.1	401.8	401.6	402.9	404.9	405.3	405.9	407.3
50.0	375.0	375.8	377.8	376.8	377.8	379.6	379.9	380.6	381.8	383.4
52.5	350.2	352.1	351.9	352.2	353.9	354.1	354.8	356.1	357.9	359.7
55.0	324.9	326.7	325.9	327.4	327.8	328.5	329.9	332.1	332.9	333.8
57.5	299.3	299.4	300.2	300.8	301.3	303.3	305.0	305.7	306.3	307.5
60.0	272.0	271.6	273.2	273.3	274.7	277.4	278.0	278.8	279.9	281.3
62.5	240.7	243.0	243.8	245.8	247.6	249.7	250.9	252.2	253.6	255.2
65.0	210.1	212.3	214.0	217.1	218.5	221.3	224.1	225.5	226.7	228.0
67.5	180.0	181.2	184.0	186.0	189.1	193.4	195.7	197.2	199.4	201.0
70.0	149.1	151.1	152.7	155.2	159.5	162.9	166.0	168.8	172.2	174.1
72.5	118.6	120.2	122.2	125.1	128.8	132.5	136.4	140.4	145.0	147.0
75.0	89.51	90.48	92.77	95.21	98.40	102.6	106.9	111.1	115.6	119.1
77.5	62.35	63.50	65.04	66.17	69.89	74.75	78.10	81.57	86.32	91.12
80.0	38.77	39.61	39.78	42.31	45.50	48.13	49.83	52.20	57.08	63.14
82.5	18.32	20.25	20.50	21.05	21.99	22.11	23.48	28.57	35.90	43.54
85.0	6.383	5.267	2.329	5.830	9.580	12.65	15.60	18.95	23.85	29.01
87.5	0.6263	0.7268	1.237	2.944	4.866	6.417	7.904	9.560	12.02	14.62
90.0	0.2750	0.2841	0.2841	0.2841	0.2886	0.2976	0.2976	0.2976	0.2976	0.2977
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4
2.5	664.0	664.0	664.0	664.1	664.1	664.0	664.0	664.0	664.0	664.0
5.0	659.9	660.3	660.6	660.7	660.9	660.8	660.7	660.8	661.0	661.2
7.5	656.0	656.5	657.0	657.4	657.7	657.5	657.6	657.8	658.0	658.1
10.0	651.9	652.7	653.4	654.0	654.4	654.3	654.5	654.6	654.4	654.0
12.5	643.4	643.7	644.2	644.7	645.1	645.3	645.7	646.2	646.4	647.2
15.0	633.3	633.9	634.6	635.3	635.7	636.2	636.6	636.8	637.3	637.7
17.5	623.3	624.0	625.0	625.9	626.3	627.1	627.5	627.5	627.8	628.1
20.0	613.1	614.1	615.3	616.6	616.9	617.8	618.2	618.2	618.2	618.2
22.5	600.3	600.7	601.1	602.1	602.5	603.4	604.2	604.8	605.8	606.7
25.0	584.9	585.6	586.4	587.5	588.0	588.8	589.6	590.1	590.7	591.5
27.5	569.1	570.5	571.8	572.9	573.6	574.2	574.9	575.1	575.3	575.8
30.0	553.8	555.5	557.4	558.4	559.1	559.6	560.3	560.1	560.4	560.3
32.5	536.5	537.4	538.3	539.3	539.9	540.7	541.6	542.4	543.3	544.0
35.0	516.5	517.5	518.7	520.2	520.7	521.5	522.3	522.8	523.5	523.6
37.5	496.6	497.9	499.3	501.0	501.5	502.4	502.9	503.2	503.6	503.8
40.0	476.4	478.3	479.9	481.7	482.4	483.3	483.6	484.0	483.9	483.8
42.5	455.2	456.4	457.6	458.8	459.6	460.5	461.3	462.4	463.1	463.7
45.0	431.7	433.3	434.7	435.8	436.9	437.5	438.2	439.0	439.4	440.2
47.5	408.4	410.1	411.7	412.9	414.2	414.5	415.2	415.9	415.9	416.4
50.0	385.0	386.9	388.6	390.0	391.4	391.6	392.2	392.5	392.6	392.7
52.5	361.0	362.0	363.2	364.5	365.8	366.0	367.1	367.7	368.4	368.7
55.0	334.9	336.1	337.4	338.9	340.1	340.5	341.4	341.9	342.4	342.3
57.5	308.8	310.4	311.7	313.2	314.4	314.9	315.8	316.0	316.4	316.1
60.0	282.8	284.6	286.1	287.5	288.8	289.4	290.1	290.1	290.6	289.7
62.5	256.4	257.9	259.2	260.4	261.6	262.3	263.1	263.4	263.4	263.4
65.0	229.4	230.7	232.0	233.3	234.4	235.1	235.8	236.2	237.0	236.4
67.5	202.4	203.6	204.9	206.1	207.2	207.9	208.6	209.0	209.5	209.4
70.0	175.5	176.6	177.8	179.0	180.0	180.7	181.3	181.8	182.3	182.5

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.190m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

72.5	148.9	150.7	152.2	153.5	154.5	155.2	155.7	155.8	155.7	155.4
75.0	122.2	125.2	126.8	128.0	129.1	129.7	130.2	130.2	129.3	127.9
77.5	95.53	99.68	101.5	102.6	103.6	104.2	104.8	104.6	102.8	100.3
80.0	68.83	74.14	76.24	77.20	78.11	78.76	79.35	79.05	76.27	72.64
82.5	49.76	54.87	56.95	57.88	58.64	59.06	59.33	58.73	55.80	51.57
85.0	33.19	36.63	38.05	38.67	39.16	39.45	39.66	39.25	37.29	34.43
87.5	16.72	18.44	19.16	19.45	19.69	19.83	19.99	19.80	18.85	17.41
90.0	0.2976	0.2841	0.2706	0.2436	0.2210	0.2210	0.3154	0.3653	0.4420	0.4420
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4	667.4
2.5	664.1	664.3	664.5	664.7	664.9	665.1	665.4	665.6	665.9	666.2
5.0	661.5	661.8	661.9	662.0	662.1	662.3	662.7	663.1	663.6	664.1
7.5	657.8	657.8	658.1	658.4	658.7	658.9	659.2	659.6	660.0	660.5
10.0	654.2	654.1	653.9	653.8	653.8	653.9	654.1	654.4	655.0	655.7
12.5	647.9	648.7	649.0	648.6	648.6	648.5	647.9	647.9	648.2	648.7
15.0	638.3	639.0	640.3	641.2	641.6	641.1	640.5	640.4	640.6	641.0
17.5	628.3	629.3	629.1	630.2	631.2	632.7	632.4	631.6	631.1	631.1
20.0	618.3	617.9	618.4	618.5	619.4	620.5	621.8	621.7	620.3	620.2
22.5	607.2	607.2	606.5	606.6	606.5	607.3	608.0	609.9	608.8	608.4
25.0	592.6	593.3	594.7	593.6	593.3	593.1	594.0	595.2	595.7	595.2
27.5	576.2	577.2	578.3	580.3	579.3	578.6	578.5	579.3	581.4	580.4
30.0	559.8	560.6	561.2	562.2	563.9	563.1	562.5	563.1	564.2	564.5
32.5	543.8	543.3	543.2	543.9	544.9	547.4	545.6	545.3	546.5	547.9
35.0	525.3	526.3	525.5	525.3	525.8	526.8	528.3	527.1	527.4	529.7
37.5	504.5	505.2	506.5	506.3	505.8	506.6	508.6	508.3	507.8	509.0
40.0	484.0	484.2	484.9	486.1	486.0	485.6	486.9	488.5	487.3	487.7
42.5	462.9	462.8	463.0	463.5	464.6	464.6	464.4	466.6	466.1	466.0
45.0	441.2	441.6	441.3	441.2	441.5	442.8	442.2	443.0	444.5	443.5
47.5	417.1	418.0	419.0	418.0	418.1	418.8	419.6	419.5	421.7	420.2
50.0	392.8	393.3	394.1	395.5	394.4	394.9	395.8	395.3	396.3	396.5
52.5	368.5	368.7	368.9	369.7	371.4	370.0	370.0	371.0	370.8	372.2
55.0	343.5	344.2	343.7	343.9	345.2	345.5	344.4	345.2	344.4	346.5
57.5	316.6	317.7	318.5	318.4	317.9	318.8	318.4	317.4	317.7	318.5
60.0	290.1	290.6	291.1	292.0	291.4	291.0	291.7	289.9	290.0	289.9
62.5	263.6	263.9	263.9	263.9	264.0	262.9	262.3	261.4	260.4	260.3
65.0	236.6	237.2	236.5	235.6	234.8	234.6	232.9	231.7	230.6	230.5
67.5	209.2	209.0	208.3	207.5	205.8	204.3	203.9	201.5	201.4	200.2
70.0	181.9	180.7	179.4	177.9	176.8	174.7	173.1	172.2	170.5	169.4
72.5	154.5	152.6	150.5	148.4	146.1	144.9	143.1	141.6	140.0	140.1
75.0	125.7	123.4	121.4	119.0	115.9	114.0	113.1	111.7	110.5	110.6
77.5	97.00	93.62	91.38	89.80	86.57	83.74	83.62	83.55	82.98	82.99
80.0	68.25	63.92	61.69	61.14	59.72	57.64	56.27	57.53	58.20	59.02
82.5	45.79	39.00	33.67	32.98	33.69	33.89	34.28	34.91	35.38	37.06
85.0	30.52	25.95	22.45	20.13	17.88	15.54	13.15	14.99	16.34	16.67
87.5	15.43	13.14	11.41	10.24	9.108	7.919	6.721	5.527	3.930	2.421
90.0	0.4420	0.4465	0.4465	0.4510	0.4510	0.4510	0.4509	0.4464	0.4419	0.5005
G/C	350.0	355.0								
0.0	667.4	667.4								
2.5	666.5	666.8								
5.0	664.6	665.1								
7.5	661.2	661.9								
10.0	656.5	657.5								
12.5	649.4	650.5								
15.0	641.8	643.0								
17.5	631.9	633.1								
20.0	620.9	622.3								
22.5	608.8	609.9								
25.0	595.0	596.0								
27.5	580.4	581.4								
30.0	564.1	565.2								
32.5	546.8	547.5								
35.0	528.7	529.5								
37.5	509.3	509.7								
40.0	488.4	488.7								
42.5	467.5	467.2								
45.0	445.6	444.9								
47.5	421.7	421.6								
50.0	396.9	397.2								
52.5	371.6	372.2								
55.0	345.2	346.1								
57.5	318.1	319.2								
60.0	290.3	290.9								
62.5	260.4	261.8								

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.190m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

65.0	231.0	231.4
67.5	199.9	200.7
70.0	169.2	169.8
72.5	138.7	139.7
75.0	110.3	111.5
77.5	84.15	85.75
80.0	59.87	60.57
82.5	37.99	38.40
85.0	17.92	18.37
87.5	3.583	3.134
90.0	0.5321	0.6492

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-11-12

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.190m [K=1.0000]
Remarks: