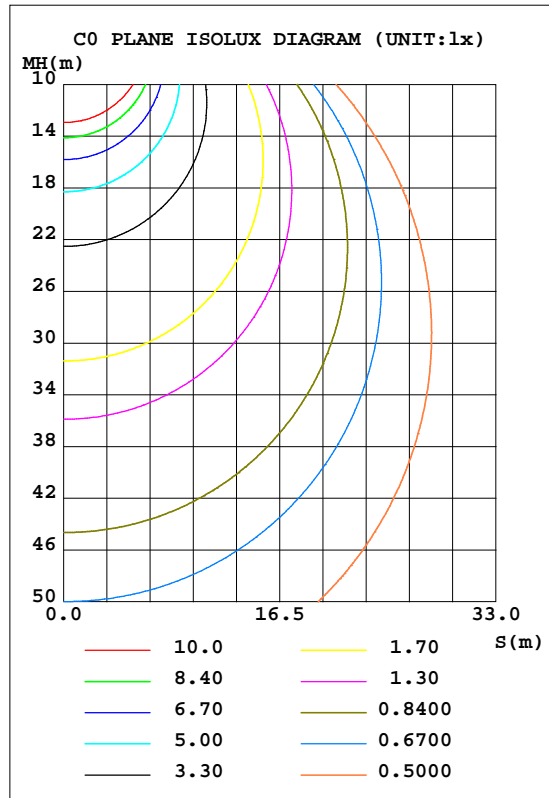
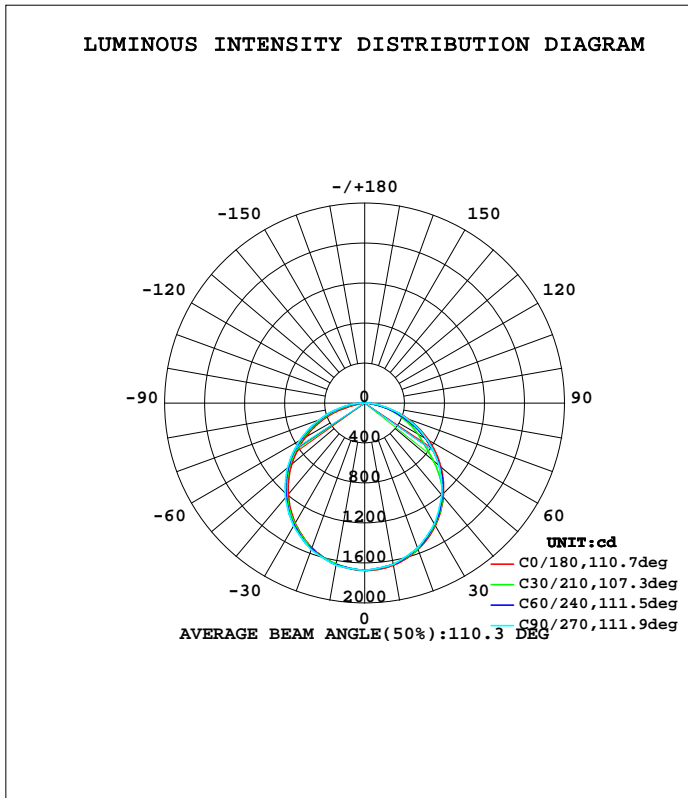


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.74 lm/W			
MODEL	LR46-XXW-4000K	I <sub>max</sub> (cd)	1674	S/MH(C0/180)	1.24
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4590.5	η UP, DN(C0-180)	0.0,48.0
NOMINAL FLUX(lm)	4590.47	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,52.0
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



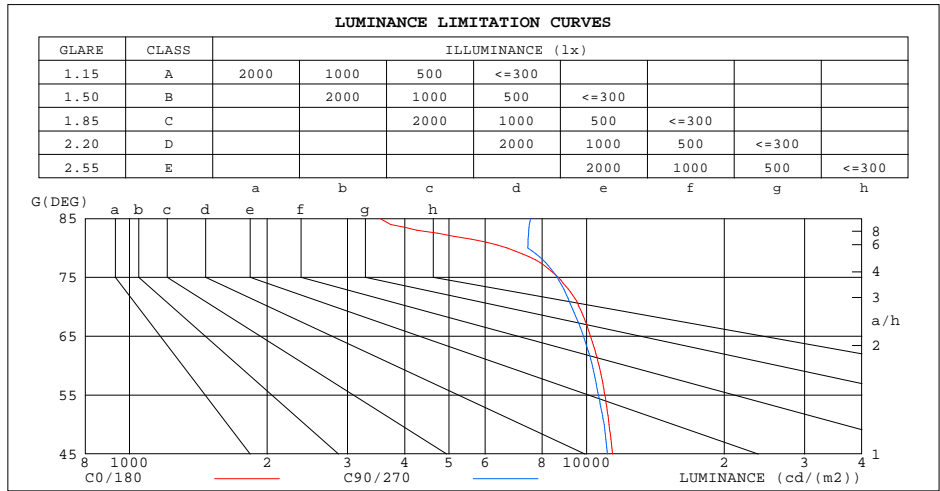
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-08-28

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\phi$ zone	$\phi$ total	$\$lum, lamp$
5	1668	1659	1656	1656	1664	1659	1660	1662	0- 5	39.81	39.81	0.87,0.87
10	1647	1636	1639	1630	1638	1637	1647	1642	5- 10	118.0	157.8	3.44,3.44
15	1610	1602	1591	1593	1597	1603	1605	1609	10- 15	192.0	349.8	7.62,7.62
20	1558	1545	1544	1530	1541	1546	1562	1555	15- 20	259.2	609.0	13.3,13.3
25	1493	1482	1470	1459	1472	1483	1492	1494	20- 25	317.4	926.4	20.2,20.2
30	1415	1403	1395	1366	1389	1405	1422	1416	25- 30	364.3	1291	28.1,28.1
35	1325	1311	1298	1255	1295	1315	1328	1325	30- 35	398.5	1689	36.8,36.8
40	1224	1213	1201	1127	1191	1219	1235	1229	35- 40	418.6	2108	45.9,45.9
45	1114	1084	1086	974.2	1077	1105	1122	1117	40- 45	423.7	2531	55.1,55.1
50	994.8	932.9	971.1	807.0	954.6	990.5	1009	1004	45- 50	411.7	2943	64.1,64.1
55	869.5	767.4	841.6	651.6	823.5	862.5	880.6	874.3	50- 55	384.0	3327	72.5,72.5
60	735.6	624.5	712.1	517.6	686.0	734.0	752.3	745.2	55- 60	344.3	3671	80.80
65	596.1	499.9	575.1	401.8	544.5	593.9	614.8	608.3	60- 65	295.8	3967	86.4,86.4
70	455.2	377.1	438.1	293.3	401.6	454.2	477.3	470.5	65- 70	239.9	4207	91.6,91.6
75	310.1	255.9	308.3	191.1	226.0	315.7	344.6	331.4	70- 75	180.5	4388	95.6,95.6
80	160.7	145.7	178.6	105.0	76.61	182.1	211.9	197.2	75- 80	120.0	4508	98.2,98.2
85	42.50	59.81	90.80	41.68	18.91	74.57	108.2	85.25	80- 85	63.30	4571	99.6,99.6
90	1.398	3.188	3.039	3.319	0.8658	0.7258	4.440	1.872	85- 90	19.58	4590	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		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3528	7538
80	6694	7441
75	8668	8620
70	9631	9269
65	10205	9847
60	10645	10306
55	10969	10617
50	11199	10931
45	11398	11116

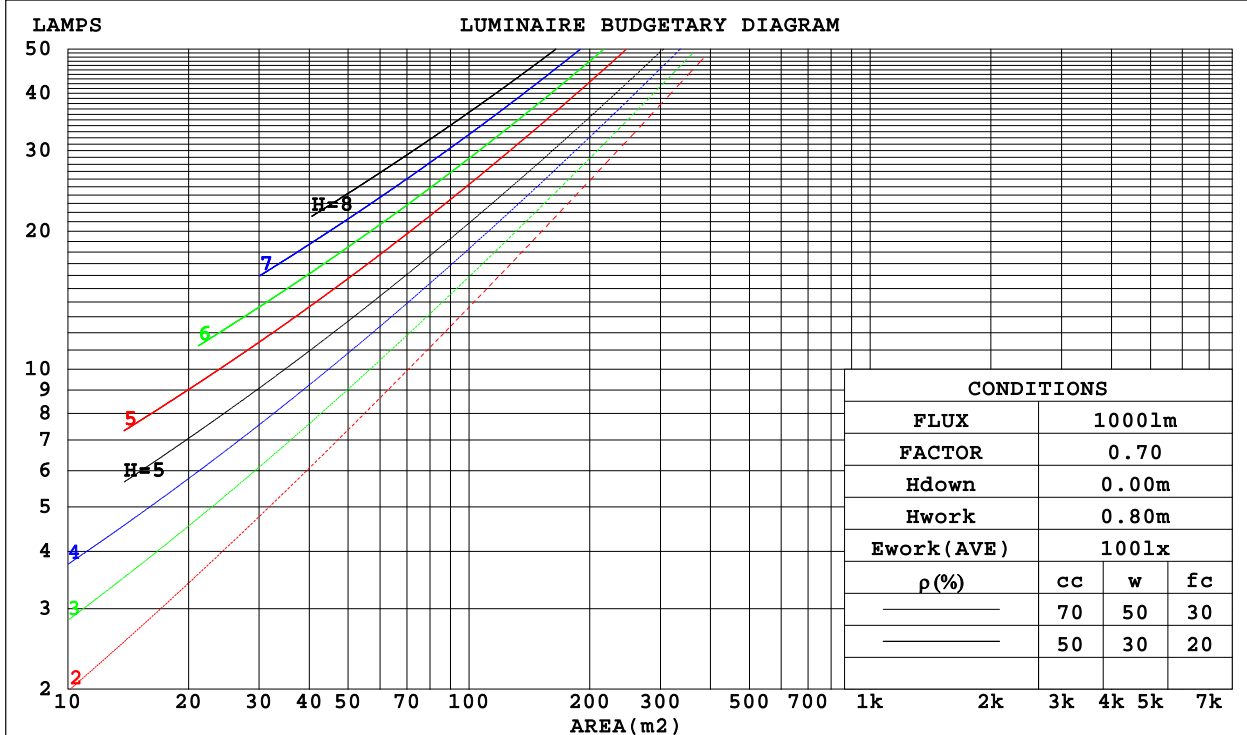
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2019-08-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.00
1.0	1.04	.00	.96	1.02	.98	.95	.98	.94	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.78	.85	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.64	.73	.67	.63	.70	.65	.61	.59
4.0	.71	.62	.55	.70	.61	.55	.67	.60	.54	.65	.59	.54	.63	.57	.53	.51
5.0	.63	.54	.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	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.37	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.42	.34	.29	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.25



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-08-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	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	.304	.173	.055	.297	.170	.054	.284	.163	.052	.272	.157	.050	.261	.151	.049	
2.0	.287	.157	.048	.281	.155	.048	.269	.150	.046	.258	.145	.045	.248	.141	.044	
3.0	.266	.142	.042	.261	.140	.042	.250	.136	.041	.241	.132	.040	.232	.128	.040	
4.0	.246	.128	.038	.241	.126	.037	.232	.123	.037	.224	.120	.036	.216	.117	.036	
5.0	.228	.116	.034	.224	.115	.033	.215	.112	.033	.208	.110	.033	.201	.107	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.187	.099	.029	
7.0	.197	.097	.028	.194	.096	.028	.187	.095	.027	.181	.093	.027	.176	.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	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.163	.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	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.099	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.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	.149	.090	.048	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.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	.047	.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:2019-08-28

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:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm										
NAME: LR46-XXW-4000K					TYPE:LED			WEIGHT:		
SPEC.:					DIM.: 1213*147			SERIAL No.:1		
MFR.: EVERFINE					SUR.:1182*117			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	20.6	22.1	20.9	22.3	22.5	21.1	22.6	21.4	22.8	23.0
3H	21.9	23.3	22.2	23.5	23.7	22.6	24.0	22.9	24.3	24.5
4H	22.4	23.7	22.7	23.9	24.2	23.2	24.6	23.6	24.8	25.1
6H	22.7	24.0	23.1	24.3	24.5	23.7	24.9	24.0	25.2	25.5
8H	22.9	24.1	23.2	24.3	24.6	23.8	25.0	24.1	25.3	25.6
12H	22.9	24.1	23.3	24.4	24.7	23.9	25.1	24.3	25.4	25.7
4H 2H	21.2	22.5	21.5	22.7	23.0	21.6	22.9	21.9	23.1	23.4
3H	22.6	23.8	23.0	24.1	24.4	23.3	24.4	23.6	24.7	25.0
4H	23.2	24.3	23.6	24.6	24.9	24.0	25.1	24.4	25.4	25.7
6H	23.7	24.7	24.1	25.0	25.4	24.6	25.5	25.0	25.8	26.2
8H	23.9	24.8	24.3	25.2	25.6	24.8	25.6	25.2	26.0	26.4
12H	24.0	24.8	24.5	25.2	25.6	24.9	25.7	25.4	26.1	26.5
8H 4H	23.5	24.3	23.9	24.7	25.1	24.2	25.0	24.6	25.4	25.8
6H	24.1	24.8	24.6	25.2	25.7	24.8	25.5	25.3	26.0	26.4
8H	24.4	25.0	24.8	25.4	25.9	25.1	25.8	25.6	26.2	26.6
12H	24.6	25.1	25.0	25.6	26.0	25.4	25.9	25.9	26.4	26.9
12H 4H	23.5	24.3	23.9	24.7	25.1	24.1	25.0	24.6	25.3	25.7
6H	24.2	24.8	24.6	25.2	25.7	24.8	25.5	25.3	25.9	26.4
8H	24.4	25.0	24.9	25.4	25.9	25.2	25.7	25.6	26.2	26.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.3 / - 0.2					+ 0.2 / - 0.4				
2.0H	+ 0.5 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 4590 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.3)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-08-28

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:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	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	47	40	56	46	40	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	73	66	82	73	66	80	71	65	58
1.50	89	79	72	87	78	72	84	76	71	63
2.00	95	87	81	94	86	80	90	84	78	71
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	107	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	99	102	99	95	86
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:2019-08-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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

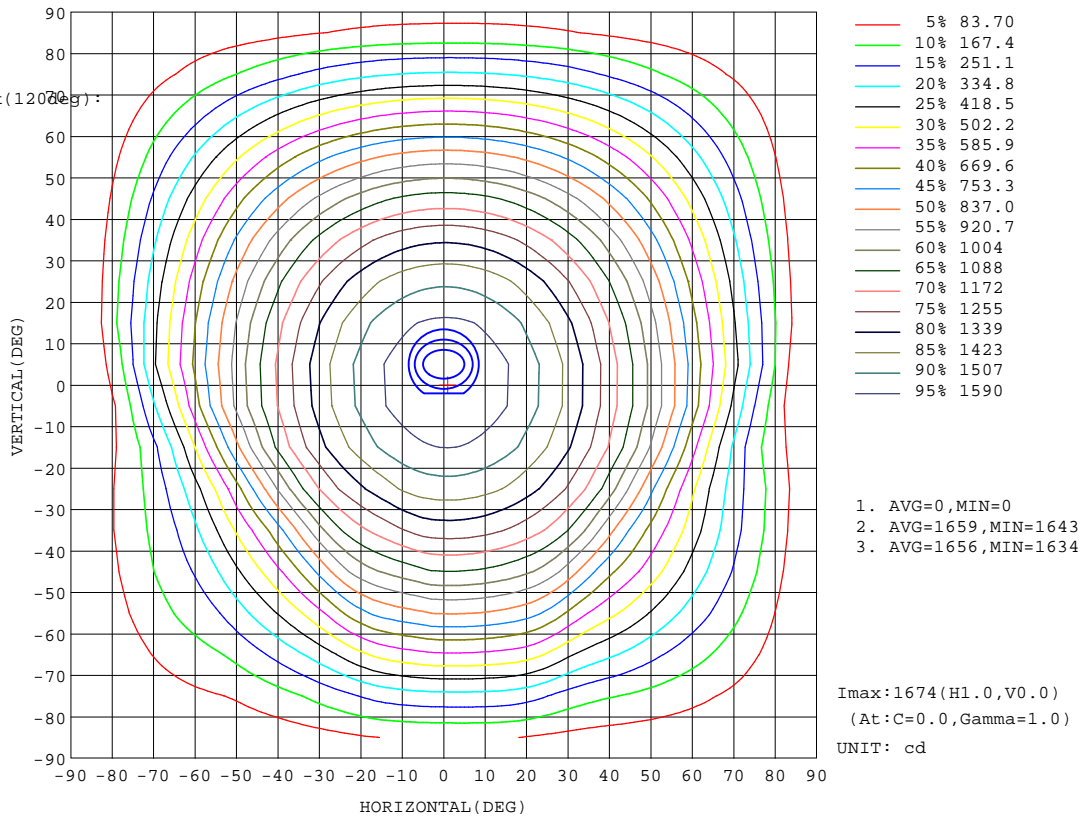
Test:U:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	PROTECTION ANGLE:

Conical surface Flux(90deg):

2531.5 lm  
 %lum = 55.1%  
 %lamp = 55.1%

Conical surface Flux(120deg):

3671.4 lm  
 %lum = 80.0%  
 %lamp = 80.0%

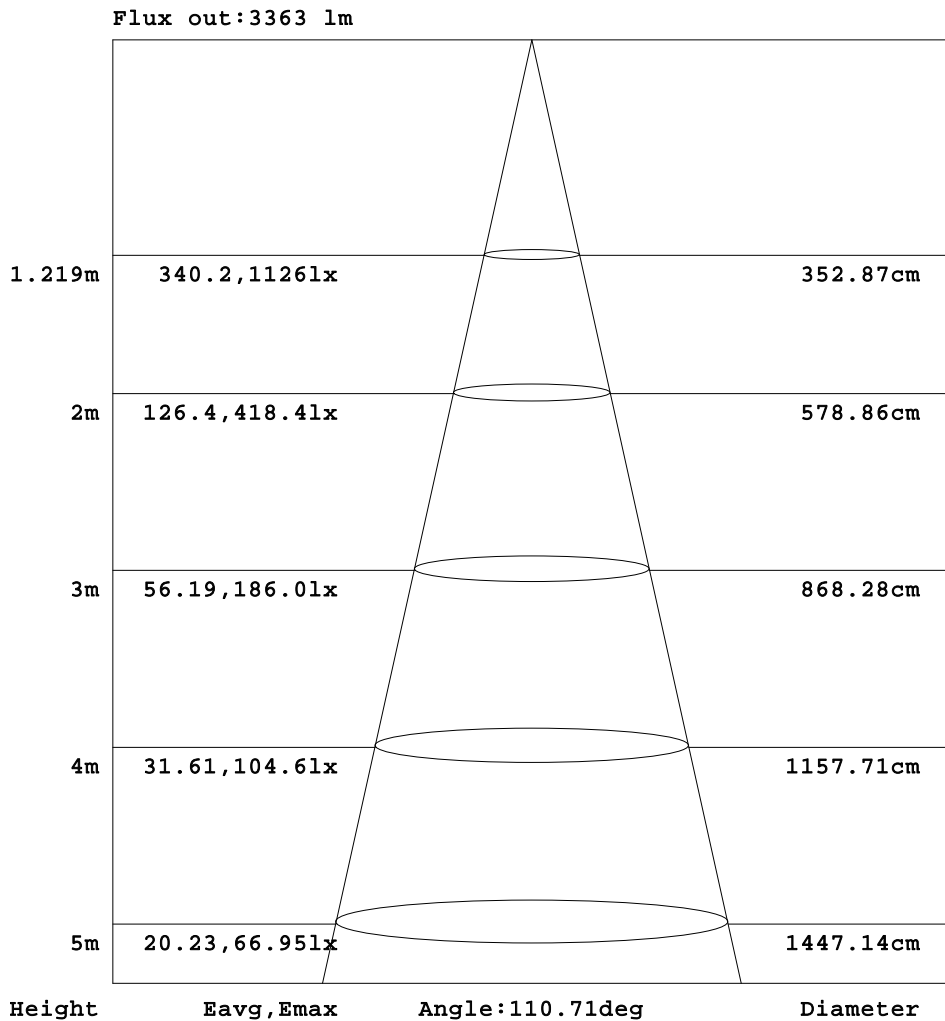


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-08-28

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:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	PROTECTION ANGLE:



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

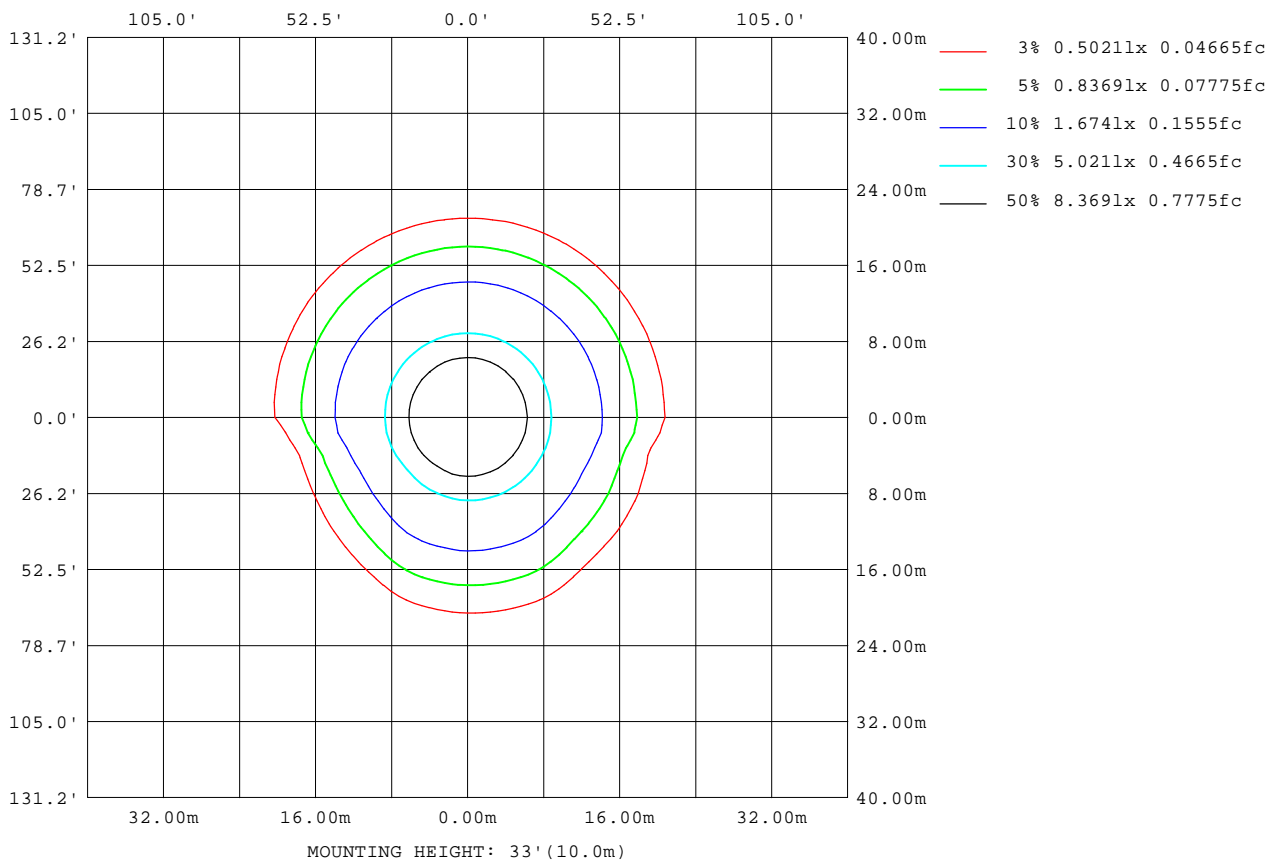
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2019-08-28

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:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-08-28

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:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	PROTECTION ANGLE:

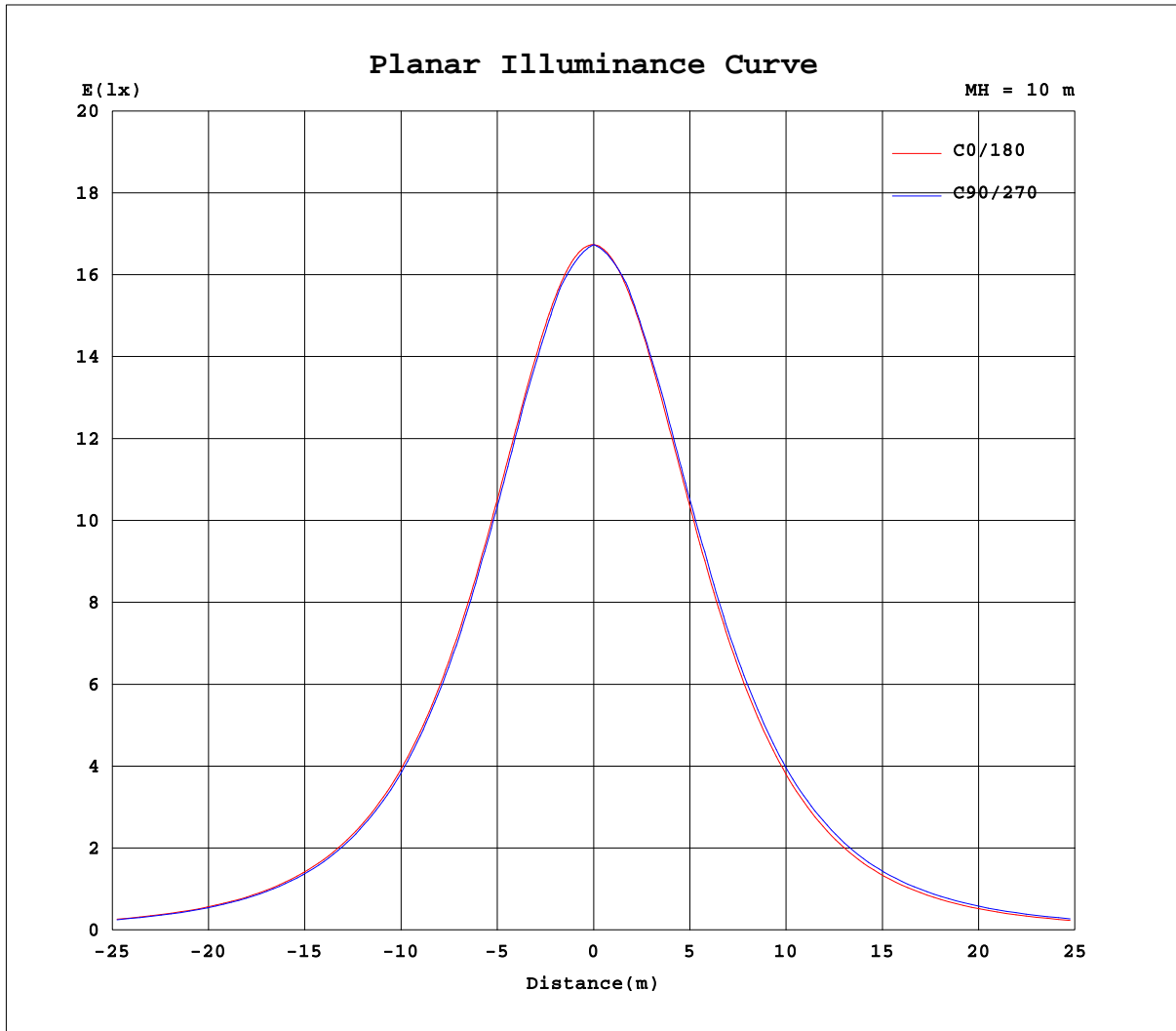
AvgL	cd/m2
L_0~180(65)av	9764
L_0~180(75)av	7493
L_0~180(85)av	2549
L_90~270(65)av	10187
L_90~270(75)av	9127
L_90~270(85)av	8259
L_45(65)av	9006
L_45(75)av	7647
L_45(85)av	5424

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2019-08-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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: 2019-08-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	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	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674
5	1668	1667	1665	1664	1663	1662	1661	1660	1660	1659	1658	1658	1658	1657	1657	1657	1657	1656	1656
10	1647	1644	1641	1640	1638	1637	1636	1636	1636	1636	1637	1637	1638	1638	1638	1639	1639	1639	1639
15	1610	1606	1603	1601	1600	1600	1601	1602	1604	1602	1600	1598	1596	1595	1594	1593	1593	1592	1591
20	1558	1553	1550	1549	1549	1551	1553	1549	1546	1545	1544	1544	1544	1545	1545	1545	1545	1545	1544
25	1493	1487	1484	1484	1486	1485	1482	1481	1481	1482	1484	1482	1479	1477	1475	1473	1472	1471	1470
30	1415	1408	1406	1407	1408	1404	1404	1406	1408	1403	1400	1399	1398	1398	1398	1397	1397	1396	1395
35	1325	1318	1317	1320	1316	1315	1319	1316	1313	1311	1312	1313	1310	1307	1305	1303	1302	1300	1298
40	1224	1217	1218	1216	1216	1220	1210	1207	1211	1213	1210	1208	1207	1206	1206	1206	1205	1203	1201
45	1114	1107	1110	1098	1099	1082	1071	1077	1077	1084	1092	1101	1100	1097	1095	1093	1091	1088	1086
50	995	989	979	953	933	904	898	902	912	933	950	966	975	977	977	976	975	973	971
55	869	861	821	773	746	727	735	738	749	767	790	819	841	851	850	848	846	844	842
60	736	710	634	602	594	605	614	615	620	624	639	667	695	715	719	718	717	715	712
65	596	525	452	473	483	492	493	499	499	500	507	522	550	574	584	582	580	578	575
70	455	344	340	360	369	371	372	373	374	377	377	383	404	431	445	445	443	440	438
75	310	218	252	264	265	264	262	257	256	256	252	255	270	294	309	313	313	311	308
80	161	152	165	163	159	155	149	149	149	146	141	142	149	160	173	183	183	181	179
85	42.5	71.5	70.0	68.2	66.8	64.8	62.3	62.3	60.9	59.8	60.0	63.1	68.8	76.1	84.9	91.5	92.6	91.9	90.8
90	1.40	3.37	4.01	4.58	4.74	4.59	4.19	3.93	3.32	3.19	3.73	3.88	3.97	3.86	3.69	3.54	3.40	3.26	3.04

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-08-28

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:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	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	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674
5	1656	1656	1656	1656	1656	1655	1655	1656	1656	1656	1657	1657	1658	1659	1660	1661	1662	1664	1663
10	1638	1637	1637	1636	1635	1633	1632	1631	1630	1630	1629	1629	1629	1630	1631	1633	1635	1638	1636
15	1591	1590	1590	1589	1589	1589	1590	1591	1593	1595	1592	1590	1588	1588	1588	1590	1593	1597	1594
20	1543	1541	1540	1538	1535	1533	1531	1530	1530	1531	1534	1537	1535	1533	1532	1533	1536	1541	1538
25	1469	1468	1466	1464	1461	1459	1461	1462	1459	1457	1457	1460	1464	1465	1462	1462	1465	1472	1468
30	1394	1392	1387	1379	1367	1360	1358	1361	1366	1375	1374	1373	1374	1379	1380	1379	1382	1389	1386
35	1297	1292	1282	1273	1262	1256	1253	1253	1255	1259	1268	1280	1277	1279	1286	1284	1286	1295	1293
40	1199	1187	1172	1164	1157	1151	1143	1135	1127	1120	1122	1140	1166	1163	1171	1180	1182	1191	1190
45	1083	1068	1059	1053	1048	1040	1020	996	974	953	940	952	984	1015	1031	1069	1068	1077	1078
50	965	952	944	937	927	909	875	841	807	780	763	753	775	811	847	915	941	955	958
55	835	825	818	811	794	766	720	682	652	627	609	601	597	616	635	722	792	823	830
60	705	697	690	677	649	610	572	542	518	499	484	471	466	464	473	520	610	686	697
65	570	563	554	537	508	470	441	421	402	385	371	358	346	340	340	349	405	544	559
70	436	428	417	400	377	352	328	310	293	277	265	256	249	244	239	236	250	402	417
75	306	302	294	279	259	241	221	205	191	181	174	176	180	183	179	164	149	226	280
80	177	176	174	163	147	132	121	112	105	99.0	98.3	103	108	111	112	110	92.5	76.6	155
85	90.1	89.2	87.3	80.4	70.3	61.0	53.1	46.7	41.7	37.4	35.9	33.9	36.1	38.6	38.8	37.7	35.6	18.9	49.8
90	3.17	3.29	3.26	3.03	3.17	3.30	3.39	3.40	3.32	3.26	3.17	3.11	3.26	3.11	2.88	2.24	1.35	0.87	0.50

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-08-28

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:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	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	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674
5	1662	1661	1660	1660	1659	1659	1659	1659	1659	1659	1659	1659	1660	1660	1660	1660	1660	1661	1661
10	1634	1633	1633	1633	1634	1634	1636	1637	1638	1640	1641	1643	1644	1645	1646	1647	1647	1647	1647
15	1593	1592	1593	1595	1597	1600	1604	1603	1602	1602	1602	1602	1603	1603	1604	1604	1605	1605	1605
20	1537	1538	1540	1545	1548	1547	1546	1546	1548	1549	1552	1554	1556	1558	1560	1561	1562	1562	1562
25	1468	1471	1477	1478	1477	1477	1480	1483	1488	1489	1488	1489	1489	1490	1491	1491	1492	1492	1493
30	1388	1393	1396	1395	1397	1401	1406	1405	1406	1408	1410	1413	1415	1418	1420	1421	1422	1422	1422
35	1297	1305	1302	1304	1310	1311	1312	1315	1319	1325	1325	1325	1325	1326	1327	1328	1328	1329	1329
40	1196	1199	1200	1206	1207	1209	1215	1219	1219	1220	1221	1224	1227	1229	1232	1233	1235	1235	1234
45	1088	1086	1092	1094	1097	1105	1104	1105	1108	1113	1115	1116	1117	1118	1120	1121	1122	1122	1122
50	965	967	972	976	983	982	985	991	991	993	995	998	1001	1004	1006	1008	1009	1009	1009
55	835	842	845	852	853	858	860	862	867	871	873	874	876	877	878	880	881	881	881
60	701	706	715	715	721	723	729	734	735	737	740	742	745	747	749	751	752	753	753
65	563	571	572	577	582	588	590	594	598	602	605	607	609	611	612	614	615	616	616
70	423	428	432	438	441	445	450	454	459	463	467	470	472	474	475	476	477	478	479
75	288	290	296	298	301	305	310	316	320	326	331	335	338	341	343	344	345	345	346
80	159	160	163	166	168	174	178	182	187	192	197	202	206	209	211	211	212	213	214
85	51.2	53.4	55.3	56.0	56.3	63.1	69.0	74.6	81.4	87.9	93.5	97.9	102	104	106	107	108	109	109
90	0.55	0.59	0.59	0.60	0.61	0.65	0.65	0.73	0.74	0.82	0.93	1.23	1.66	2.10	2.75	3.55	4.44	4.57	4.29

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2019-08-28

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:120.1V I:0.3376A P:40.36W PF:0.9950 Lamp Flux:4590.47x1 lm		
NAME: LR46-XXW-4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1213*147	SERIAL No.:1
MFR.: EVERFINE	SUR.:1182*117	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674				
5	1661	1661	1661	1661	1661	1662	1662	1662	1662	1663	1663	1664	1665	1666	1667				
10	1647	1646	1645	1644	1643	1642	1642	1641	1640	1640	1640	1641	1641	1643	1644				
15	1605	1606	1606	1606	1607	1608	1609	1610	1608	1606	1604	1603	1603	1605	1607				
20	1561	1560	1559	1558	1556	1555	1555	1555	1556	1559	1556	1553	1552	1552	1554				
25	1493	1493	1494	1495	1497	1497	1494	1491	1489	1489	1491	1491	1487	1486	1488				
30	1421	1419	1418	1416	1415	1415	1416	1419	1415	1411	1410	1412	1410	1408	1409				
35	1329	1329	1330	1330	1332	1328	1325	1324	1326	1327	1321	1320	1322	1318	1319				
40	1234	1232	1230	1229	1228	1227	1229	1226	1223	1223	1226	1219	1219	1219	1217				
45	1123	1123	1123	1124	1123	1119	1117	1116	1117	1112	1112	1113	1108	1110	1107				
50	1008	1006	1005	1003	1002	1002	1004	999	996	996	992	993	991	989	988				
55	882	881	881	881	880	877	874	874	874	869	868	865	868	863	863				
60	753	752	750	749	747	746	745	742	739	740	734	733	731	730	729				
65	616	616	616	615	614	612	608	605	603	599	597	593	591	593	590				
70	479	479	478	477	475	473	471	468	463	459	456	453	450	448	448				
75	346	345	344	342	338	335	331	328	325	322	319	314	312	310	312				
80	214	214	212	209	205	201	197	195	192	187	185	183	181	180	180				
85	108	107	104	101	96.6	91.2	85.2	80.4	76.1	71.6	72.6	73.1	71.6	71.8	70.3				
90	3.72	3.37	3.16	2.95	2.65	2.25	1.87	1.67	1.56	1.42	1.26	1.19	1.15	1.10	1.06				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2019-08-28

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]

Table with two sections of photometric data. The first section lists G/C values from 0.0 to 90.0 with corresponding cd values. The second section lists G/C values from 50.0 to 85.0 with corresponding cd values.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-08-28

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	31.82	33.43	36.33	39.89	44.26	47.52	48.00	47.58	46.92	46.64
90.0	3.734	3.883	3.968	3.864	3.689	3.544	3.400	3.260	3.039	3.175
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674
2.5	1665	1665	1665	1665	1665	1665	1665	1666	1666	1667
5.0	1656	1656	1656	1656	1655	1655	1656	1656	1656	1657
7.5	1647	1646	1646	1645	1645	1644	1644	1644	1644	1644
10.0	1637	1637	1636	1635	1633	1632	1631	1630	1630	1629
12.5	1614	1614	1615	1615	1616	1617	1617	1615	1613	1612
15.0	1590	1590	1589	1589	1589	1590	1591	1593	1595	1592
17.5	1566	1565	1564	1563	1562	1561	1562	1563	1565	1568
20.0	1541	1540	1538	1535	1533	1531	1530	1530	1531	1534
22.5	1505	1505	1504	1504	1504	1500	1497	1495	1495	1497
25.0	1468	1466	1464	1461	1459	1461	1462	1459	1457	1457
27.5	1430	1427	1422	1416	1410	1410	1414	1420	1418	1417
30.0	1392	1387	1379	1367	1360	1358	1361	1366	1375	1374
32.5	1343	1337	1329	1317	1309	1306	1307	1311	1319	1330
35.0	1292	1282	1273	1262	1256	1253	1253	1255	1259	1268
37.5	1240	1227	1218	1209	1203	1199	1197	1194	1193	1200
40.0	1187	1172	1164	1157	1151	1143	1135	1127	1120	1122
42.5	1128	1116	1111	1106	1098	1084	1068	1052	1040	1035
45.0	1068	1059	1053	1048	1040	1020	996.0	974.2	952.7	940.1
47.5	1009	1001	994.5	988.2	975.1	950.1	921.1	892.0	866.1	849.3
50.0	951.6	944.5	936.6	927.2	908.6	875.1	840.7	807.0	780.3	763.4
52.5	888.6	882.8	876.8	865.1	840.1	798.1	760.4	726.8	698.7	683.6
55.0	824.7	818.3	811.2	794.4	766.4	720.5	682.0	651.6	626.9	609.4
57.5	760.8	753.9	744.5	722.2	687.8	644.0	608.2	581.9	560.7	544.1
60.0	696.9	689.8	676.9	649.0	610.5	572.1	542.3	517.6	499.2	484.1
62.5	630.1	622.8	607.7	575.6	535.6	504.5	480.0	458.3	441.1	427.1
65.0	562.8	554.1	537.5	507.6	469.7	441.1	421.0	401.8	384.8	371.3
67.5	495.5	485.4	468.1	441.7	410.1	384.0	364.7	347.1	330.2	316.6
70.0	428.3	416.6	399.9	377.4	352.5	328.2	309.8	293.3	277.4	264.6
72.5	364.8	353.8	337.4	316.2	296.4	273.6	256.1	241.3	228.0	216.5
75.0	301.9	293.5	278.9	259.1	240.9	221.1	204.5	191.1	180.6	173.7
77.5	239.0	233.5	220.8	202.6	186.3	170.4	157.6	146.7	136.9	133.8
80.0	176.3	173.8	163.0	146.6	132.5	120.8	111.9	105.0	98.98	98.34
82.5	132.1	129.3	119.4	104.3	90.27	78.51	68.85	64.51	62.46	64.32
85.0	89.17	87.25	80.41	70.31	60.97	53.15	46.72	41.68	37.42	35.87
87.5	46.23	45.24	41.66	36.66	32.04	28.17	24.97	22.40	20.25	19.46
90.0	3.292	3.256	3.026	3.170	3.301	3.387	3.405	3.319	3.256	3.170
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674
2.5	1667	1667	1668	1669	1669	1670	1671	1670	1670	1669
5.0	1657	1658	1659	1660	1661	1662	1664	1663	1662	1661
7.5	1644	1645	1646	1647	1649	1650	1653	1651	1650	1649
10.0	1629	1629	1630	1631	1633	1635	1638	1636	1634	1633
12.5	1611	1610	1611	1612	1613	1616	1619	1617	1615	1615
15.0	1590	1588	1588	1588	1590	1593	1597	1594	1593	1592
17.5	1566	1564	1562	1563	1563	1566	1570	1568	1566	1567
20.0	1537	1535	1533	1532	1533	1536	1541	1538	1537	1538
22.5	1500	1505	1501	1499	1499	1502	1508	1505	1504	1506
25.0	1460	1464	1465	1462	1462	1465	1472	1468	1468	1471
27.5	1417	1420	1426	1422	1422	1425	1432	1429	1429	1434
30.0	1373	1374	1379	1380	1379	1382	1389	1386	1388	1393
32.5	1327	1327	1330	1335	1333	1335	1343	1341	1344	1351
35.0	1280	1277	1279	1286	1284	1286	1295	1293	1297	1305
37.5	1219	1225	1224	1231	1233	1235	1244	1242	1247	1253
40.0	1140	1166	1163	1171	1180	1182	1191	1190	1196	1199
42.5	1050	1082	1094	1105	1125	1126	1135	1135	1143	1143
45.0	952.0	983.9	1015	1031	1069	1068	1077	1078	1088	1086
47.5	849.9	879.1	919.9	945.0	998.7	1007	1017	1019	1028	1027
50.0	752.6	775.0	810.5	847.2	914.8	941.1	954.6	957.5	965.4	966.8
52.5	672.5	678.5	707.1	740.7	821.3	869.8	890.0	894.8	901.0	905.7
55.0	600.9	597.4	616.1	635.2	722.2	791.9	823.5	830.1	835.4	842.3
57.5	534.0	530.6	535.7	549.2	621.1	706.6	755.8	764.5	768.6	774.2
60.0	471.3	465.6	464.2	472.5	520.1	610.0	686.0	697.1	700.7	706.0
62.5	413.5	403.6	399.5	402.6	426.2	505.5	615.6	629.3	632.2	637.9
65.0	357.6	346.1	339.9	339.8	348.6	404.8	544.5	559.4	562.8	570.9
67.5	304.7	293.8	285.2	283.9	289.3	319.6	473.2	487.9	491.7	499.3
70.0	255.9	249.3	244.4	239.3	236.4	250.3	401.6	416.8	422.5	427.7
72.5	213.2	213.3	213.7	208.5	192.7	193.7	318.6	347.0	356.3	358.7
75.0	175.6	180.2	183.2	179.3	163.9	148.7	226.0	279.9	287.5	289.8
77.5	138.8	144.9	147.3	148.7	139.2	114.0	135.6	215.0	220.2	224.5

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2019-08-28

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	102.7	107.7	111.0	112.1	109.9	92.53	76.61	155.0	158.6	160.3
82.5	68.09	71.51	74.29	75.04	75.56	69.31	43.81	100.1	102.8	103.4
85.0	33.90	36.14	38.56	38.81	37.72	35.56	18.91	49.79	51.21	53.43
87.5	18.37	16.26	13.16	9.850	9.718	8.443	3.141	11.94	13.65	13.48
90.0	3.111	3.260	3.112	2.877	2.235	1.347	0.8658	0.5005	0.5498	0.5862
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674
2.5	1669	1668	1668	1668	1668	1667	1667	1667	1667	1667
5.0	1660	1660	1659	1659	1659	1659	1659	1659	1659	1659
7.5	1648	1648	1648	1648	1648	1649	1649	1650	1651	1651
10.0	1633	1633	1634	1634	1636	1637	1638	1640	1641	1643
12.5	1615	1615	1617	1618	1621	1623	1626	1627	1626	1625
15.0	1593	1595	1597	1600	1604	1603	1602	1602	1602	1602
17.5	1568	1571	1575	1578	1576	1576	1576	1576	1577	1578
20.0	1540	1545	1548	1547	1546	1546	1548	1549	1552	1554
22.5	1510	1516	1514	1513	1514	1516	1518	1522	1525	1526
25.0	1477	1478	1477	1477	1480	1483	1488	1489	1488	1489
27.5	1440	1438	1438	1440	1444	1449	1448	1448	1449	1451
30.0	1396	1395	1397	1401	1406	1405	1406	1408	1410	1413
32.5	1350	1350	1354	1361	1359	1360	1363	1366	1370	1374
35.0	1302	1304	1310	1311	1312	1315	1319	1325	1325	1325
37.5	1252	1256	1261	1261	1264	1269	1274	1273	1273	1274
40.0	1200	1206	1207	1209	1215	1219	1219	1220	1221	1224
42.5	1146	1151	1152	1158	1164	1163	1164	1166	1170	1174
45.0	1092	1094	1097	1105	1104	1105	1108	1113	1115	1116
47.5	1034	1035	1042	1044	1045	1048	1053	1054	1055	1057
50.0	971.7	975.9	982.8	982.1	985.2	990.5	991.0	992.8	995.4	998.3
52.5	908.4	916.2	917.7	920.0	926.0	926.5	928.6	931.9	935.8	939.8
55.0	845.0	852.2	852.6	857.9	859.9	862.5	866.6	871.4	873.2	874.2
57.5	781.3	784.0	787.7	791.3	794.2	799.0	804.3	804.8	806.3	808.1
60.0	715.2	715.5	720.8	723.5	728.9	734.0	735.2	737.1	739.6	742.1
62.5	643.1	647.4	650.9	656.6	661.9	663.6	666.5	669.8	673.2	676.3
65.0	572.0	576.5	581.7	588.0	590.2	593.9	598.2	602.4	604.9	607.2
67.5	502.4	506.3	513.4	515.5	519.5	524.8	528.8	532.5	535.6	538.5
70.0	431.6	438.2	440.8	444.6	449.5	454.2	458.6	462.8	466.8	469.9
72.5	363.3	367.1	370.4	374.7	379.3	384.4	389.1	393.8	398.2	401.9
75.0	295.6	297.8	301.4	305.4	309.9	315.7	320.4	325.9	331.0	335.0
77.5	226.8	230.2	233.4	237.6	242.6	248.5	253.2	258.8	264.0	268.2
80.0	163.0	165.6	168.3	174.3	178.3	182.1	186.6	192.0	197.3	201.6
82.5	105.5	107.9	111.1	113.8	115.2	116.5	122.3	132.0	140.1	146.4
85.0	55.31	55.98	56.29	63.06	69.02	74.57	81.38	87.94	93.53	97.86
87.5	18.61	23.99	28.15	31.64	34.68	37.50	40.93	44.29	47.18	49.51
90.0	0.5862	0.5952	0.6133	0.6494	0.6494	0.7258	0.7395	0.8162	0.9288	1.226
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674
2.5	1667	1667	1667	1667	1667	1667	1667	1667	1668	1668
5.0	1660	1660	1660	1660	1660	1661	1661	1661	1661	1661
7.5	1652	1653	1653	1653	1654	1654	1654	1654	1654	1654
10.0	1644	1645	1646	1647	1647	1647	1647	1647	1646	1645
12.5	1625	1625	1625	1626	1626	1626	1627	1627	1628	1629
15.0	1603	1603	1604	1604	1605	1605	1605	1605	1606	1606
17.5	1580	1581	1582	1583	1583	1584	1584	1583	1583	1583
20.0	1556	1558	1560	1561	1562	1562	1562	1561	1560	1559
22.5	1526	1526	1526	1527	1527	1528	1528	1529	1530	1532
25.0	1489	1490	1491	1491	1492	1492	1493	1493	1493	1494
27.5	1452	1454	1455	1456	1457	1457	1457	1457	1456	1456
30.0	1415	1418	1420	1421	1422	1422	1422	1421	1419	1418
32.5	1374	1374	1374	1375	1375	1376	1376	1377	1378	1379
35.0	1325	1326	1327	1328	1328	1329	1329	1329	1329	1330
37.5	1276	1278	1279	1280	1281	1282	1282	1281	1281	1280
40.0	1227	1229	1232	1233	1235	1235	1234	1234	1232	1230
42.5	1175	1176	1176	1177	1178	1179	1179	1180	1181	1181
45.0	1117	1118	1120	1121	1122	1122	1122	1123	1123	1123
47.5	1059	1061	1063	1064	1065	1066	1066	1065	1065	1064
50.0	1001	1004	1006	1008	1009	1009	1009	1008	1006	1005
52.5	941.2	942.0	943.0	943.9	944.7	945.4	945.7	946.1	946.2	945.9
55.0	875.6	877.0	878.4	879.6	880.6	881.2	881.4	881.5	881.2	880.9
57.5	810.1	812.1	813.8	815.3	816.5	817.0	817.2	817.0	816.4	815.6
60.0	744.7	747.3	749.3	751.1	752.3	752.9	753.0	752.7	751.7	750.2
62.5	678.0	679.8	681.2	682.5	683.6	684.3	684.9	685.2	685.2	685.0
65.0	609.2	611.0	612.5	613.8	614.8	615.6	616.1	616.3	616.2	615.8
67.5	540.5	542.3	543.8	545.1	546.1	546.8	547.3	547.5	547.3	546.8
70.0	472.1	473.8	475.2	476.4	477.3	478.1	478.6	478.8	478.6	478.1

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2019-08-28

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	404.7	407.0	408.7	410.0	411.0	411.7	412.2	412.1	411.4	410.2
75.0	338.2	340.9	342.6	343.7	344.6	345.4	346.0	346.2	345.4	343.9
77.5	271.9	274.9	276.6	277.4	278.2	279.1	279.9	280.3	279.5	277.6
80.0	205.6	209.0	210.5	211.1	211.9	212.9	213.9	214.5	213.6	211.5
82.5	151.6	155.7	157.9	159.1	160.0	160.6	160.8	160.4	158.5	155.1
85.0	101.5	104.5	106.2	107.2	108.2	108.6	108.7	108.2	106.7	104.4
87.5	51.57	53.27	54.47	55.39	56.30	56.59	56.47	55.93	55.02	53.73
90.0	1.659	2.101	2.754	3.547	4.440	4.573	4.289	3.717	3.369	3.157
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	1674	1674	1674	1674	1674	1674	1674	1674	1674	1674
2.5	1668	1668	1668	1669	1669	1670	1670	1670	1671	1671
5.0	1661	1661	1662	1662	1662	1662	1663	1663	1664	1665
7.5	1653	1653	1653	1653	1653	1653	1653	1653	1654	1655
10.0	1644	1643	1642	1642	1641	1640	1640	1640	1641	1641
12.5	1630	1631	1631	1629	1627	1625	1624	1624	1624	1624
15.0	1606	1607	1608	1609	1610	1608	1606	1604	1603	1603
17.5	1582	1582	1582	1583	1584	1586	1584	1581	1580	1579
20.0	1558	1556	1555	1555	1555	1556	1559	1556	1553	1552
22.5	1532	1529	1527	1525	1524	1524	1525	1527	1523	1521
25.0	1495	1497	1497	1494	1491	1489	1489	1491	1491	1487
27.5	1456	1456	1458	1460	1457	1453	1451	1452	1455	1450
30.0	1416	1415	1415	1416	1419	1415	1411	1410	1412	1410
32.5	1376	1374	1372	1371	1372	1376	1370	1366	1367	1368
35.0	1330	1332	1328	1325	1324	1326	1327	1321	1320	1322
37.5	1280	1280	1281	1278	1276	1275	1277	1274	1271	1272
40.0	1229	1228	1227	1229	1226	1223	1223	1226	1219	1219
42.5	1178	1175	1173	1173	1174	1170	1168	1170	1167	1164
45.0	1124	1123	1119	1117	1116	1117	1112	1112	1113	1108
47.5	1064	1064	1065	1060	1057	1057	1055	1053	1056	1050
50.0	1003	1002	1002	1004	998.6	995.6	996.0	992.3	993.0	990.9
52.5	943.2	941.0	939.2	938.8	940.2	934.5	932.0	931.6	929.2	930.7
55.0	880.7	880.0	876.6	874.3	873.9	873.8	868.5	867.8	864.8	868.3
57.5	814.6	813.6	813.8	810.2	807.6	807.3	805.2	801.0	799.8	800.1
60.0	748.7	747.1	745.6	745.2	742.0	739.2	739.7	734.2	733.0	730.5
62.5	683.2	680.8	678.5	676.4	675.0	671.3	668.7	668.3	662.5	660.5
65.0	615.2	614.4	611.9	608.3	605.2	603.1	598.6	597.2	593.2	590.9
67.5	546.0	544.6	543.2	541.0	536.3	532.2	529.7	525.6	525.6	520.2
70.0	477.1	475.1	473.0	470.5	467.9	463.1	458.9	455.6	453.4	449.7
72.5	408.5	406.1	403.4	400.5	397.4	394.4	390.4	386.0	383.0	382.6
75.0	341.7	338.3	334.7	331.4	328.2	324.6	322.3	318.5	313.9	312.5
77.5	275.2	271.4	267.6	263.9	260.4	256.4	253.5	251.5	247.0	244.8
80.0	209.0	204.9	200.9	197.2	194.7	191.8	187.3	185.2	183.4	181.4
82.5	150.7	144.0	136.3	131.2	130.2	129.8	128.3	126.0	124.1	124.0
85.0	101.3	96.64	91.24	85.25	80.43	76.13	71.58	72.62	73.11	71.55
87.5	52.09	49.57	46.64	43.43	40.91	38.67	36.26	33.90	31.56	27.93
90.0	2.954	2.652	2.251	1.872	1.673	1.565	1.421	1.263	1.186	1.146
G/C	350.0	355.0								
0.0	1674	1674								
2.5	1672	1672								
5.0	1666	1667								
7.5	1656	1658								
10.0	1643	1644								
12.5	1625	1627								
15.0	1605	1607								
17.5	1580	1582								
20.0	1552	1554								
22.5	1521	1523								
25.0	1486	1488								
27.5	1449	1450								
30.0	1408	1409								
32.5	1365	1365								
35.0	1318	1319								
37.5	1270	1269								
40.0	1219	1217								
42.5	1166	1163								
45.0	1110	1107								
47.5	1051	1049								
50.0	989.4	988.4								
52.5	926.7	926.3								
55.0	862.7	862.7								
57.5	796.7	797.1								
60.0	729.9	729.3								
62.5	662.6	660.5								

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2019-08-28

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	593.3	589.8
67.5	520.2	518.8
70.0	448.3	448.3
72.5	378.3	379.2
75.0	309.7	311.7
77.5	243.1	244.7
80.0	180.0	180.0
82.5	122.6	121.8
85.0	71.75	70.27
87.5	27.14	25.69
90.0	1.096	1.064

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2019-08-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.190m [K=1.0000]  
Remarks: