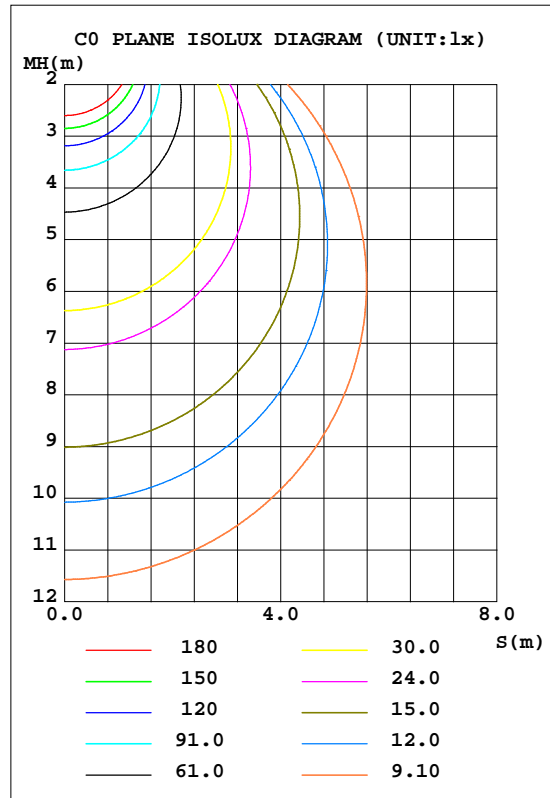
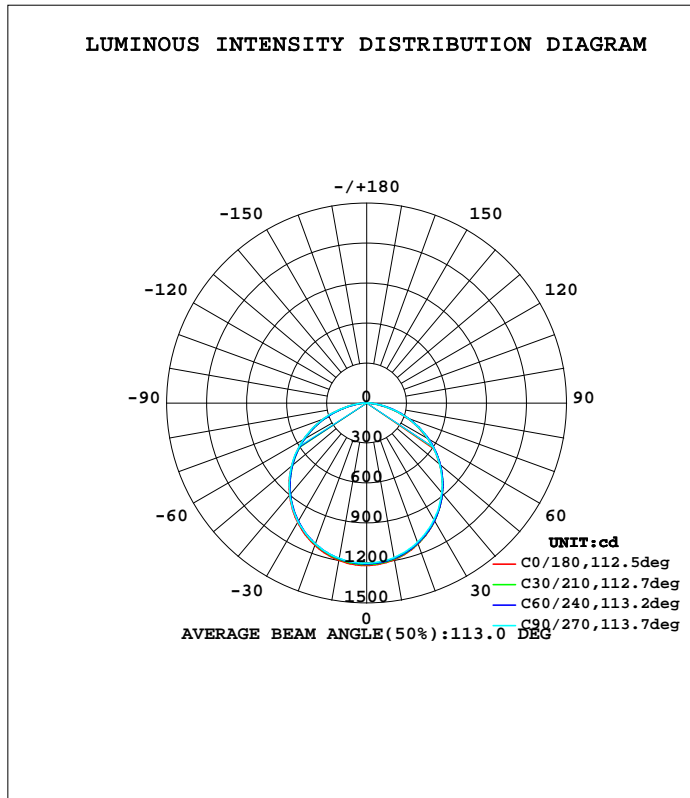


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.3407A P:40.79W PF:0.9958 Lamp Flux:3449.87x1 lm		
NAME: ZE-41-I35DD	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1280*33*55	SERIAL No.:1
MFR.: EVERFINE	SUR.:1280*33	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 84.57 lm/W
MODEL	ZE-41-I35DD	I _{max} (cd)	1218	S/MH(C0/180)		1.26
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)		1.27
RATED VOLTAGE(V)	110-277	TOTAL FLUX(lm)	3449.9	η UP, DN(C0-180)		0.1,49.2
NOMINAL FLUX(lm)	3449.87	CIE CLASS	DIRECT	η UP, DN(C180-360)		0.1,50.5
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM		1.25
TEST VOLTAGE(V)	120	η down(%)	99.7	CIBSE SHR MAX		1.35



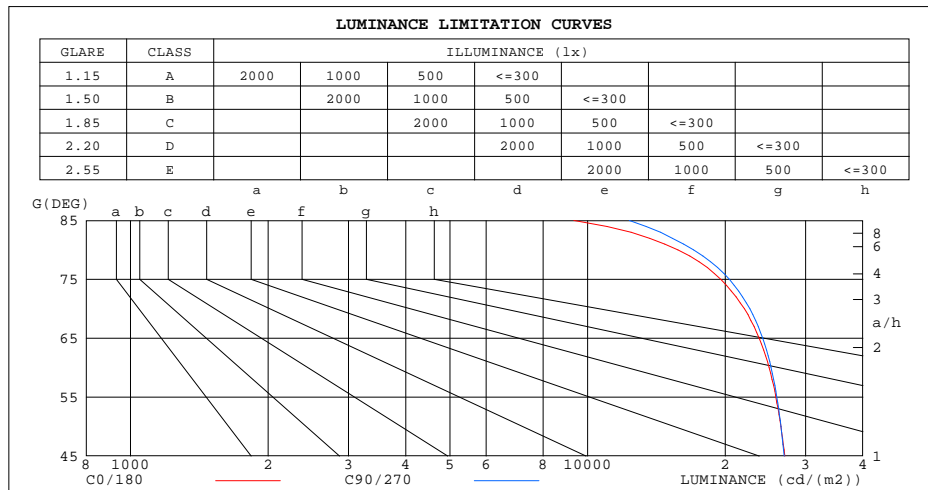
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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	$\$lum, lamp$
10	1193	1186	1177	1171	1199	1188	1184	1180	0- 10	113.9	113.9	3.3,3.3
20	1126	1122	1113	1104	1136	1124	1125	1122	10- 20	326.2	440.1	12.8,12.8
30	1020	1021	1011	1000	1035	1023	1028	1025	20- 30	494.7	934.9	27.1,27.1
40	882.0	886.8	877.5	864.0	900.1	887.8	897.5	894.8	30- 40	597.7	1533	44.4,44.4
50	714.9	723.7	715.4	700.0	736.1	723.5	736.8	735.2	40- 50	621.9	2154	62.5,62.5
60	523.8	536.8	529.0	513.0	547.0	534.1	549.9	550.0	50- 60	563.5	2718	78.8,78.8
70	316.6	332.5	325.4	310.1	340.7	326.9	343.2	346.0	60- 70	428.3	3146	91.2,91.2
80	115.0	129.6	124.3	112.7	137.0	124.2	136.9	142.2	70- 80	238.4	3385	98.1,98.1
90	0.2721	0.3603	0.3044	0.2797	0.9174	0.4628	1.131	0.9099	80- 90	55.86	3441	99.7,99.7
100	0.5231	0.5415	0.5587	0.5685	0.5099	0.5095	0.5731	0.5001	90-100	0.4276	3441	99.7,99.7
110	0.9507	0.9653	1.019	0.9924	0.9025	0.9285	1.020	0.8880	100-110	0.7745	3442	99.8,99.8
120	1.392	1.434	1.510	1.452	1.349	1.375	1.498	1.366	110-120	1.172	3443	99.8,99.8
130	1.817	1.890	1.957	1.885	1.773	1.799	1.926	1.785	120-130	1.465	3444	99.8,99.8
140	2.249	2.309	2.358	2.291	2.183	2.200	2.318	2.182	130-140	1.589	3446	99.9,99.9
150	2.583	2.656	2.656	2.620	2.553	2.530	2.629	2.525	140-150	1.520	3447	99.9,99.9
160	2.971	2.931	2.890	2.900	2.886	2.814	2.886	2.809	150-160	1.263	3449	100,100
170	3.206	3.134	3.071	3.098	3.188	3.048	3.075	3.030	160-170	0.8450	3450	100,100
180	3.251	3.170	3.111	3.139	3.251	3.175	3.139	3.139	170-180	0.2982	3450	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9337	12338
80	15763	17046
75	19569	20420
70	22039	22652
65	23744	24161
60	24944	25190
55	25825	25946
50	26482	26500
45	26996	26925

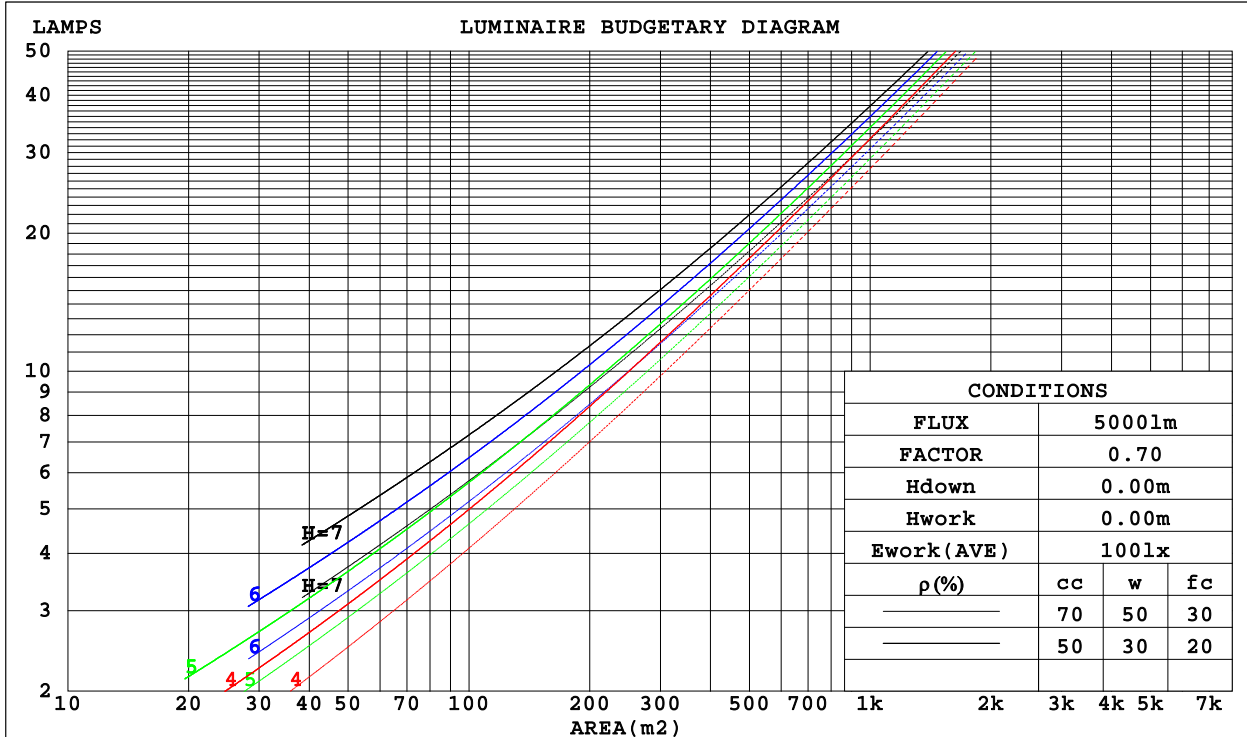
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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:0.3407A P:40.79W PF:0.9958 Lamp Flux:3449.87x1 lm		
NAME: ZE-41-I35DD	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1280*33*55	SERIAL No.:1
MFR.: EVERFINE	SUR.:1280*33	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	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.39	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:0.3407A P:40.79W PF:0.9958 Lamp Flux:3449.87x1 lm		
NAME: ZE-41-I35DD	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1280*33*55	SERIAL No.:1
MFR.: EVERFINE	SUR.:1280*33	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	.307	.175	.055	.300	.171	.054	.287	.164	.053	.274	.158	.051	.263	.152	.049	
2.0	.290	.159	.049	.284	.157	.048	.272	.151	.047	.261	.147	.046	.251	.142	.045	
3.0	.269	.143	.043	.264	.141	.043	.253	.137	.042	.244	.133	.041	.235	.130	.040	
4.0	.249	.129	.038	.244	.128	.038	.235	.124	.037	.226	.121	.037	.218	.118	.036	
5.0	.230	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.108	.033	
6.0	.214	.107	.031	.210	.106	.030	.202	.104	.030	.195	.102	.030	.189	.099	.030	
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.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	.193	.193	.193	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.182	.158	.137	.156	.136	.118	.107	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.174	.134	.100	.149	.115	.087	.102	.080	.060	.059	.046	.035	.019	.015	.012	
3.0	.166	.116	.076	.143	.100	.066	.098	.070	.047	.057	.041	.027	.018	.013	.009	
4.0	.159	.103	.060	.136	.089	.053	.094	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.151	.093	.049	.130	.080	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.041	.124	.073	.036	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.077	.035	.118	.067	.031	.082	.047	.022	.047	.028	.013	.015	.009	.004	
8.0	.131	.072	.031	.113	.062	.027	.078	.044	.019	.045	.026	.011	.015	.008	.004	
9.0	.125	.067	.027	.108	.058	.024	.075	.041	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.025	.103	.054	.021	.071	.038	.015	.042	.023	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:0.3407A P:40.79W PF:0.9958 Lamp Flux:3449.87x1 lm										
NAME: ZE-41-I35DD					TYPE:LED			WEIGHT:		
SPEC.:					DIM.: 1280*33*55			SERIAL No.:1		
MFR.: EVERFINE					SUR.:1280*33			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	24.2	25.7	24.5	25.9	26.1	24.2	25.8	24.5	26.0	26.2
3H	25.6	27.1	26.0	27.3	27.5	25.7	27.1	26.0	27.4	27.6
4H	26.2	27.5	26.5	27.8	28.0	26.3	27.6	26.6	27.9	28.2
6H	26.5	27.8	26.8	28.0	28.3	26.7	27.9	27.0	28.2	28.5
8H	26.6	27.8	26.9	28.1	28.4	26.8	28.0	27.1	28.3	28.6
12H	26.6	27.8	26.9	28.1	28.4	26.8	28.0	27.2	28.3	28.6
4H 2H	24.8	26.1	25.1	26.4	26.7	24.9	26.2	25.2	26.4	26.7
3H	26.5	27.6	26.8	27.9	28.2	26.5	27.7	26.9	28.0	28.3
4H	27.1	28.2	27.5	28.5	28.8	27.2	28.3	27.6	28.6	29.0
6H	27.5	28.5	28.0	28.9	29.2	27.7	28.7	28.1	29.0	29.4
8H	27.7	28.5	28.1	28.9	29.3	27.9	28.7	28.3	29.1	29.5
12H	27.7	28.5	28.1	28.9	29.3	27.9	28.7	28.4	29.1	29.5
8H 4H	27.4	28.2	27.8	28.6	29.0	27.5	28.4	27.9	28.7	29.1
6H	27.9	28.7	28.4	29.1	29.5	28.1	28.8	28.5	29.2	29.7
8H	28.1	28.8	28.6	29.2	29.7	28.3	29.0	28.8	29.4	29.8
12H	28.2	28.8	28.7	29.2	29.7	28.4	29.0	28.9	29.4	29.9
12H 4H	27.4	28.2	27.8	28.6	29.0	27.5	28.3	27.9	28.7	29.1
6H	28.0	28.6	28.5	29.1	29.5	28.1	28.8	28.6	29.2	29.7
8H	28.2	28.8	28.7	29.2	29.7	28.4	28.9	28.9	29.4	29.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 3450 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.3)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:0.3407A P:40.79W PF:0.9958 Lamp Flux:3449.87x1 lm		
NAME: ZE-41-I35DD	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1280*33*55	SERIAL No.:1
MFR.: EVERFINE	SUR.:1280*33	PROTECTION ANGLE:

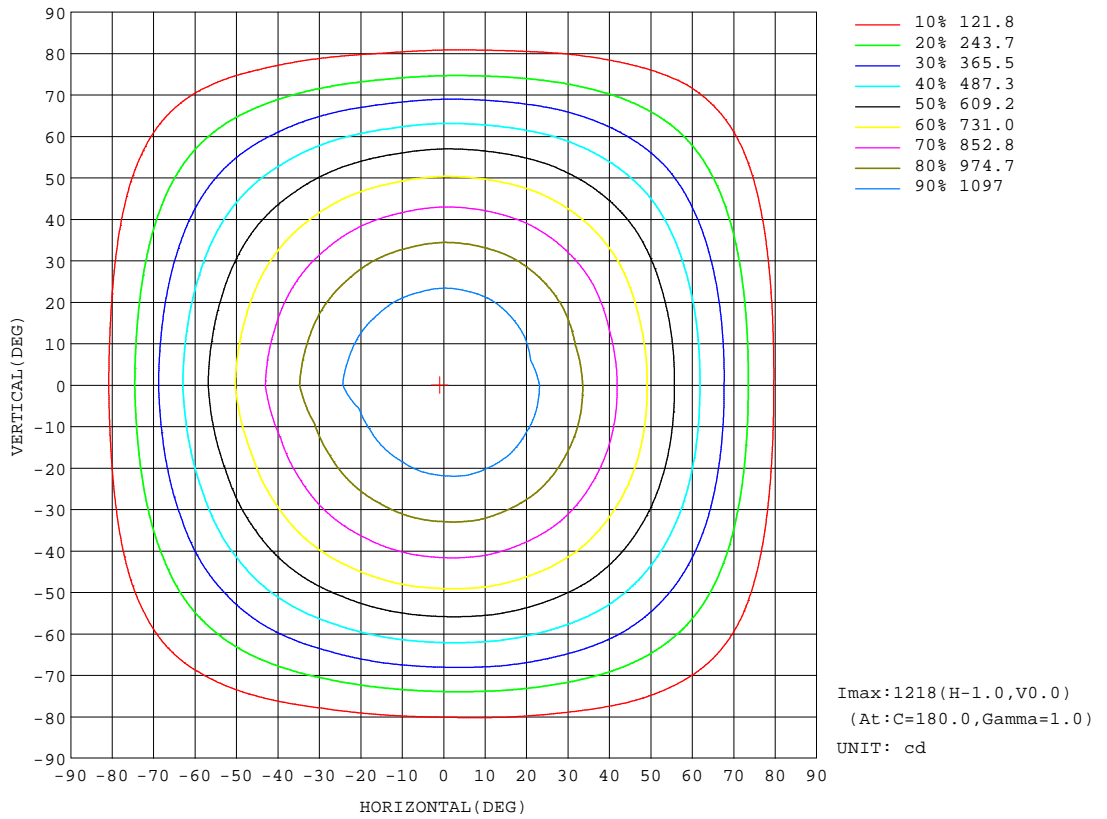
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	57	46	39	55	45	38	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	70	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:0.3407A P:40.79W PF:0.9958 Lamp Flux:3449.87x1 lm		
NAME: ZE-41-I35DD	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1280*33*55	SERIAL No.:1
MFR.: EVERFINE	SUR.:1280*33	PROTECTION ANGLE:



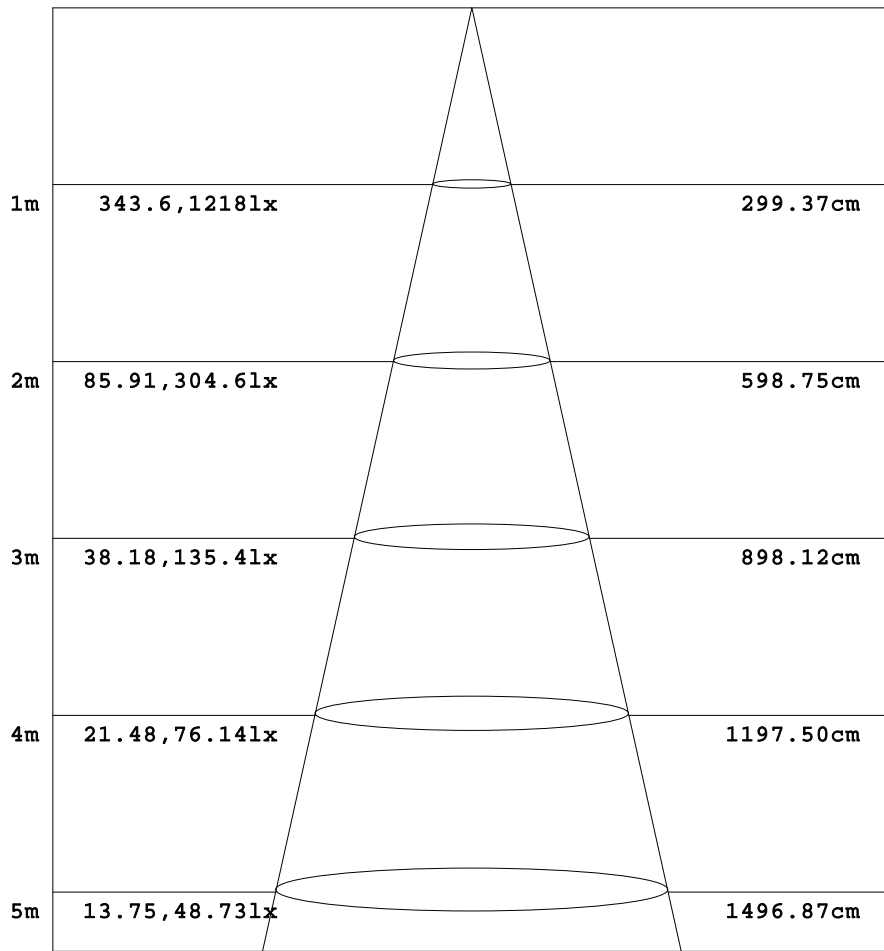
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:0.3407A P:40.79W PF:0.9958 Lamp Flux:3449.87x1 lm		
NAME: ZE-41-I35DD	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1280*33*55	SERIAL No.:1
MFR.: EVERFINE	SUR.:1280*33	PROTECTION ANGLE:

Flux out:2560 lm



Height Eavg, Emax Angle:112.51deg Diameter

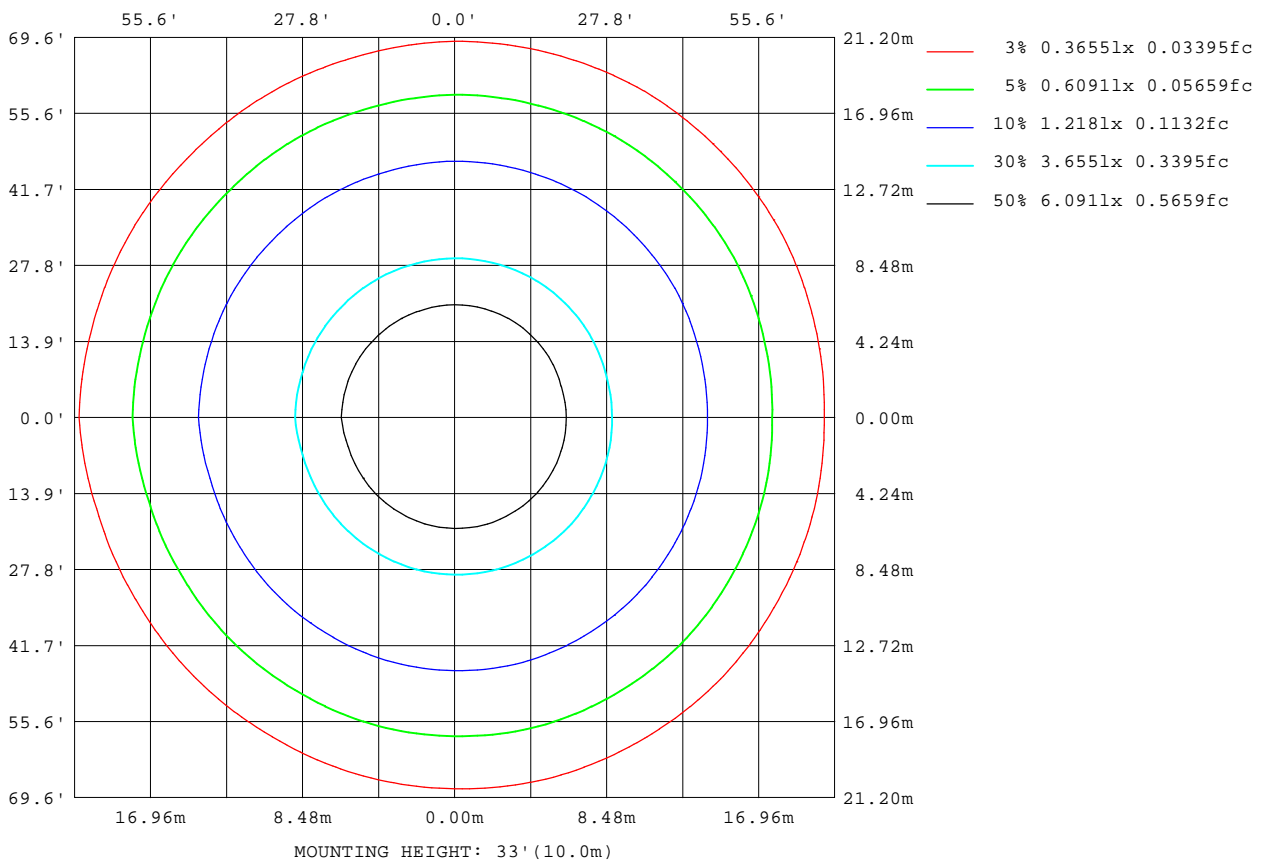
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:0.3407A P:40.79W PF:0.9958 Lamp Flux:3449.87x1 lm		
NAME: ZE-41-I35DD	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1280*33*55	SERIAL No.:1
MFR.: EVERFINE	SUR.:1280*33	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:0.3407A P:40.79W PF:0.9958 Lamp Flux:3449.87x1 lm		
NAME: ZE-41-I35DD	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1280*33*55	SERIAL No.:1
MFR.: EVERFINE	SUR.:1280*33	PROTECTION ANGLE:

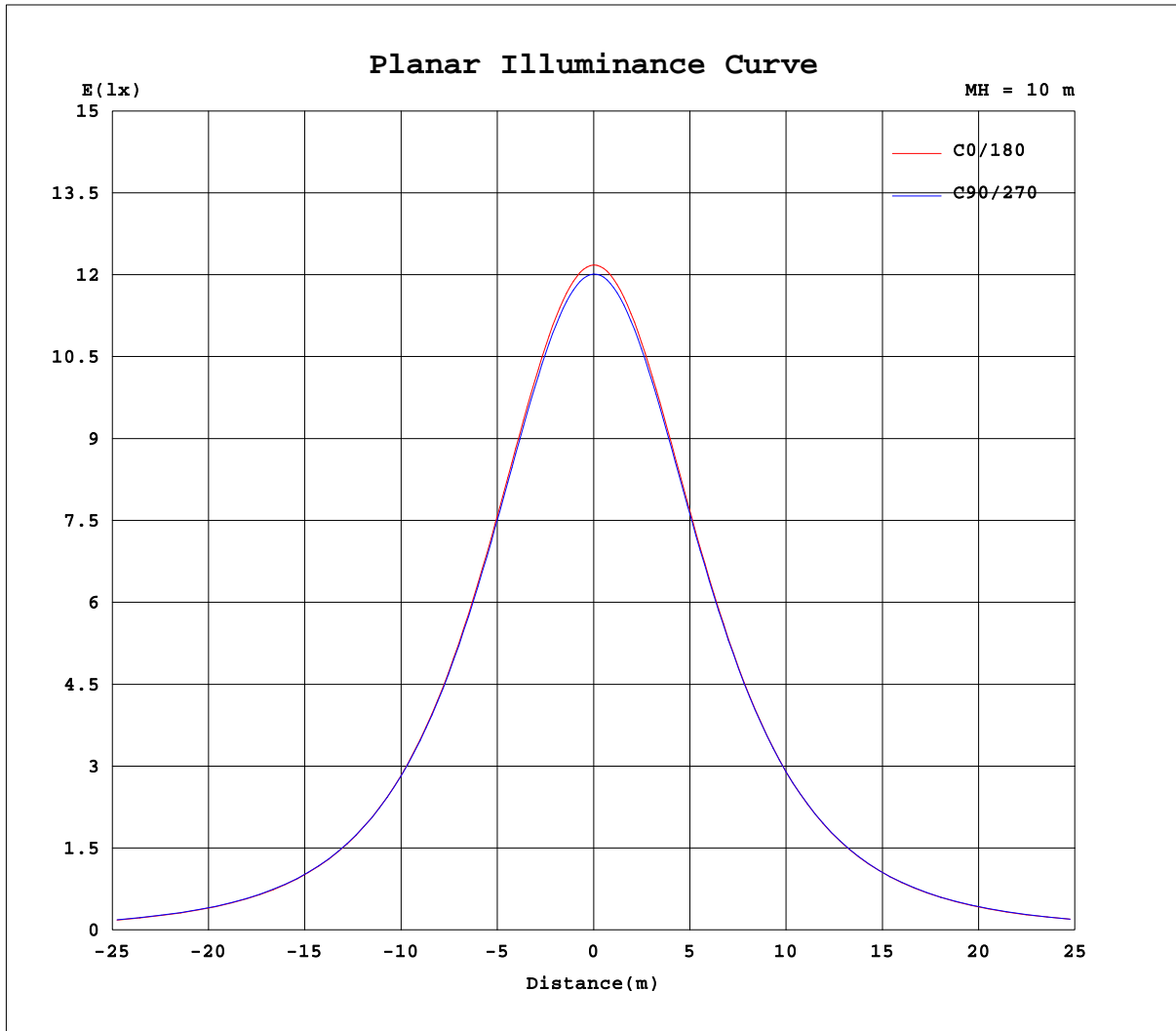
AvgL	cd/m2
L_0~180(65)av	24414
L_0~180(75)av	20584
L_0~180(85)av	11694
L_90~270(65)av	24708
L_90~270(75)av	21061
L_90~270(85)av	13554
L_45(65)av	24352
L_45(75)av	20645
L_45(85)av	12477

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:0.3407A P:40.79W PF:0.9958 Lamp Flux:3449.87x1 lm		
NAME: ZE-41-I35DD	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1280*33*55	SERIAL No.:1
MFR.: EVERFINE	SUR.:1280*33	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1218	1215	1211	1209	1206	1204	1202	1200	1198	1197	1196	1195	1218	1215	1211	1209	1206	1204	1202
5	1211	1208	1205	1203	1200	1198	1195	1193	1190	1189	1188	1188	1214	1210	1207	1203	1201	1199	1198
10	1193	1191	1188	1186	1183	1181	1177	1175	1172	1171	1170	1171	1199	1194	1191	1188	1186	1184	1184
15	1164	1163	1160	1159	1156	1154	1150	1147	1143	1142	1141	1144	1173	1167	1164	1161	1160	1159	1160
20	1126	1125	1123	1122	1119	1118	1113	1110	1105	1104	1103	1106	1136	1130	1128	1124	1125	1123	1125
25	1077	1078	1075	1076	1073	1072	1066	1063	1057	1056	1055	1060	1090	1084	1082	1078	1079	1078	1081
30	1020	1021	1020	1021	1018	1017	1011	1008	1001	1000	999	1004	1035	1029	1026	1023	1025	1025	1028
35	955	957	956	957	955	954	948	944	937	936	934	940	972	965	963	960	962	962	967
40	882	885	884	887	884	884	877	873	865	864	863	869	900	893	891	888	891	892	898
45	802	805	805	808	806	806	800	795	786	785	784	791	821	814	812	809	813	814	821
50	715	719	720	724	722	722	715	710	701	700	699	706	736	728	727	723	728	729	737
55	622	627	628	633	632	632	625	620	610	609	608	616	644	636	635	632	636	638	646
60	524	530	531	537	535	536	529	524	514	513	511	520	547	539	538	534	539	541	550
65	421	428	430	436	435	436	429	423	414	412	411	420	445	436	435	432	437	438	448
70	317	323	326	332	331	333	325	320	310	310	309	318	341	332	331	327	331	333	343
75	213	218	223	227	228	227	222	215	208	206	207	214	235	228	225	223	225	228	236
80	115	121	125	130	129	130	124	120	113	113	113	120	137	130	128	124	127	128	137
85	34.2	39.2	42.2	47.3	48.0	49.3	45.2	42.2	36.7	35.5	34.1	39.4	51.4	45.8	45.1	43.1	46.6	47.6	54.1
90	0.27	0.30	0.35	0.36	0.43	0.40	0.30	0.28	0.30	0.28	0.29	0.27	0.92	0.51	0.42	0.46	0.43	0.48	1.13
95	0.38	0.38	0.37	0.38	0.35	0.39	0.37	0.41	0.37	0.40	0.37	0.36	0.35	0.38	0.37	0.36	0.39	0.35	0.38
100	0.52	0.53	0.52	0.54	0.52	0.57	0.56	0.59	0.56	0.57	0.52	0.52	0.51	0.52	0.53	0.51	0.56	0.53	0.57
105	0.70	0.72	0.69	0.74	0.72	0.78	0.78	0.79	0.76	0.77	0.71	0.71	0.69	0.66	0.72	0.72	0.76	0.73	0.79
110	0.95	0.93	0.95	0.97	0.95	1.01	1.02	1.04	1.00	0.99	0.95	0.92	0.90	0.88	0.93	0.93	0.98	1.00	1.02
115	1.17	1.18	1.16	1.20	1.20	1.26	1.28	1.29	1.22	1.22	1.15	1.15	1.12	1.10	1.17	1.16	1.21	1.21	1.26
120	1.39	1.39	1.38	1.43	1.44	1.51	1.51	1.53	1.47	1.45	1.38	1.38	1.35	1.35	1.39	1.38	1.44	1.45	1.50
125	1.59	1.62	1.60	1.67	1.67	1.75	1.74	1.75	1.68	1.67	1.60	1.59	1.57	1.54	1.59	1.59	1.66	1.66	1.71
130	1.82	1.84	1.83	1.89	1.89	1.97	1.96	1.98	1.90	1.89	1.81	1.80	1.77	1.74	1.80	1.80	1.88	1.88	1.93
135	2.02	2.06	2.05	2.11	2.11	2.18	2.16	2.18	2.11	2.09	2.01	2.01	1.98	1.97	2.00	2.01	2.08	2.08	2.13
140	2.25	2.28	2.25	2.31	2.30	2.37	2.36	2.37	2.30	2.29	2.25	2.21	2.18	2.15	2.20	2.20	2.27	2.27	2.32
145	2.39	2.47	2.43	2.48	2.47	2.53	2.51	2.54	2.47	2.46	2.39	2.39	2.36	2.32	2.38	2.37	2.44	2.44	2.48
150	2.58	2.65	2.61	2.66	2.62	2.68	2.66	2.69	2.63	2.62	2.54	2.55	2.55	2.54	2.55	2.53	2.60	2.58	2.63
155	2.74	2.84	2.79	2.80	2.76	2.81	2.80	2.81	2.75	2.76	2.67	2.69	2.71	2.67	2.70	2.67	2.74	2.73	2.76
160	2.97	2.99	2.94	2.93	2.88	2.94	2.89	2.93	2.88	2.90	2.83	2.84	2.89	2.83	2.85	2.81	2.87	2.85	2.89
165	3.11	3.13	3.03	3.04	3.01	3.03	2.98	3.02	2.97	3.01	2.97	2.98	3.06	2.97	2.99	2.95	2.99	2.95	2.99
170	3.21	3.22	3.12	3.13	3.08	3.11	3.07	3.10	3.06	3.10	3.03	3.08	3.19	3.12	3.10	3.05	3.08	3.03	3.08
175	3.25	3.22	3.17	3.16	3.11	3.13	3.09	3.12	3.09	3.14	3.11	3.14	3.24	3.17	3.16	3.10	3.14	3.09	3.12
180	3.25	3.24	3.17	3.17	3.13	3.14	3.11	3.12	3.12	3.14	3.12	3.17	3.25	3.21	3.20	3.17	3.17	3.12	3.14

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:0.3407A P:40.79W PF:0.9958 Lamp Flux:3449.87x1 lm		
NAME: ZE-41-I35DD	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 1280*33*55	SERIAL No.:1
MFR.: EVERFINE	SUR.:1280*33	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1200	1198	1197	1196	1195														
5	1196	1195	1194	1192	1190														
10	1183	1182	1180	1178	1174														
15	1159	1158	1156	1153	1148														
20	1124	1125	1122	1119	1112														
25	1081	1082	1078	1074	1066														
30	1028	1029	1025	1021	1012														
35	967	968	964	960	950														
40	898	899	895	891	879														
45	821	823	818	814	802														
50	738	740	735	731	718														
55	647	651	645	641	627														
60	551	555	550	546	532														
65	450	454	449	445	431														
70	346	350	346	342	329														
75	241	244	242	237	226														
80	140	144	142	139	128														
85	55.8	59.4	56.8	54.5	45.3														
90	0.88	1.53	0.91	0.69	0.30														
95	0.35	0.36	0.35	0.35	0.32														
100	0.51	0.53	0.50	0.51	0.49														
105	0.72	0.73	0.67	0.69	0.66														
110	0.95	0.95	0.89	0.90	0.86														
115	1.21	1.18	1.12	1.12	1.09														
120	1.42	1.43	1.37	1.35	1.31														
125	1.65	1.65	1.58	1.58	1.52														
130	1.86	1.85	1.79	1.79	1.74														
135	2.07	2.07	2.01	1.99	1.94														
140	2.25	2.25	2.18	2.19	2.16														
145	2.42	2.43	2.37	2.38	2.35														
150	2.57	2.58	2.53	2.55	2.51														
155	2.71	2.72	2.68	2.71	2.68														
160	2.82	2.86	2.81	2.86	2.83														
165	2.94	2.97	2.93	2.99	2.98														
170	3.02	3.05	3.03	3.09	3.08														
175	3.09	3.11	3.10	3.13	3.11														
180	3.11	3.13	3.14	3.16	3.16														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	1218	1215	1211	1209	1206	1204	1202	1200	1198	1197
3.0	1215	1212	1209	1206	1204	1201	1199	1197	1195	1194
6.0	1208	1206	1203	1200	1197	1195	1192	1190	1187	1186
9.0	1197	1195	1192	1190	1187	1185	1182	1179	1176	1175
12.0	1183	1181	1178	1177	1174	1172	1168	1165	1161	1160
15.0	1164	1163	1160	1159	1156	1154	1150	1147	1143	1142
18.0	1142	1141	1139	1138	1135	1134	1129	1126	1121	1120
21.0	1117	1116	1114	1114	1111	1109	1104	1101	1096	1095
24.0	1088	1088	1086	1086	1083	1082	1076	1073	1067	1066
27.0	1056	1056	1054	1055	1052	1051	1045	1042	1036	1035
30.0	1020	1021	1020	1021	1018	1017	1011	1008	1001	1000
33.0	981.9	983.5	982.0	983.9	980.9	980.6	974.1	970.3	963.1	962.4
36.0	940.9	942.8	941.7	944.0	941.1	941.0	934.4	930.4	922.8	921.9
39.0	897.2	899.5	898.9	901.4	898.9	898.7	892.1	887.8	880.1	878.9
42.0	850.7	853.5	853.4	856.1	853.7	853.9	847.1	842.4	834.5	833.4
45.0	801.7	805.1	805.2	808.4	806.3	806.4	799.6	794.8	786.5	785.2
48.0	750.4	754.3	754.8	758.6	756.6	756.7	749.9	744.9	736.3	735.1
51.0	696.8	700.9	702.1	706.1	704.4	704.6	697.8	692.5	683.7	682.4
54.0	640.9	645.9	647.1	651.7	650.2	650.6	643.6	638.2	629.1	627.9
57.0	583.6	588.6	590.2	595.3	593.8	594.5	587.3	582.1	572.6	571.6
60.0	523.8	529.7	531.4	536.8	535.4	536.4	529.0	523.8	514.0	513.0
63.0	462.8	469.3	471.3	477.1	475.9	476.9	469.5	464.0	454.4	453.5
66.0	400.5	407.0	409.5	415.5	414.3	415.7	408.2	402.8	393.1	392.3
69.0	337.5	344.1	346.9	353.0	352.2	353.6	346.0	340.8	331.0	330.3
72.0	274.4	280.3	284.1	290.4	289.6	291.0	283.4	277.4	269.1	267.6
75.0	212.7	217.7	222.6	226.6	227.8	227.2	222.0	215.3	208.2	206.2
78.0	153.2	158.6	162.9	167.2	167.9	167.6	162.4	156.7	149.8	148.7
81.0	96.99	103.3	106.5	111.8	111.3	112.3	106.6	102.6	95.70	95.82
84.0	48.42	53.60	56.97	61.91	62.55	63.37	59.02	55.52	50.03	49.17
87.0	10.52	14.15	16.69	20.88	22.24	24.34	21.51	18.59	12.86	11.67
90.0	0.2721	0.3020	0.3529	0.3603	0.4319	0.4004	0.3044	0.2841	0.3037	0.2797
93.0	0.3067	0.3158	0.3021	0.3159	0.3066	0.3250	0.3108	0.3430	0.3244	0.3340
96.0	0.3788	0.3971	0.3743	0.4016	0.3695	0.4153	0.4188	0.4422	0.4099	0.4287
99.0	0.5266	0.4963	0.5088	0.5009	0.4776	0.5324	0.5138	0.5459	0.5094	0.5324
102.0	0.5907	0.6045	0.5863	0.6136	0.5948	0.6498	0.6444	0.6633	0.6397	0.6452
105.0	0.6986	0.7174	0.6896	0.7354	0.7215	0.7761	0.7752	0.7941	0.7616	0.7671
108.0	0.8384	0.8438	0.8339	0.8707	0.8562	0.9204	0.9193	0.9429	0.8878	0.9023
111.0	0.9515	0.9744	0.9470	1.006	1.001	1.060	1.068	1.087	1.028	1.038
114.0	1.100	1.114	1.091	1.155	1.149	1.213	1.213	1.236	1.172	1.182
117.0	1.244	1.254	1.240	1.299	1.298	1.367	1.361	1.385	1.316	1.313
120.0	1.392	1.394	1.380	1.434	1.438	1.511	1.510	1.534	1.469	1.452
123.0	1.532	1.542	1.520	1.583	1.605	1.660	1.641	1.664	1.596	1.588
126.0	1.672	1.660	1.659	1.709	1.713	1.791	1.785	1.800	1.727	1.709
129.0	1.781	1.791	1.798	1.849	1.866	1.921	1.929	1.930	1.853	1.845
132.0	1.884	1.930	1.952	1.984	1.979	2.052	2.047	2.061	2.001	1.975
135.0	2.015	2.061	2.047	2.111	2.105	2.178	2.160	2.178	2.110	2.088
138.0	2.146	2.192	2.160	2.237	2.218	2.296	2.286	2.296	2.227	2.210
141.0	2.250	2.318	2.290	2.350	2.344	2.404	2.385	2.408	2.362	2.327
144.0	2.394	2.431	2.399	2.453	2.444	2.503	2.484	2.503	2.439	2.426
147.0	2.466	2.553	2.534	2.566	2.530	2.593	2.574	2.598	2.534	2.521
150.0	2.583	2.647	2.606	2.656	2.620	2.679	2.656	2.688	2.629	2.620
153.0	2.683	2.756	2.719	2.738	2.714	2.760	2.737	2.764	2.714	2.701
156.0	2.826	2.850	2.818	2.828	2.795	2.841	2.805	2.837	2.795	2.792
159.0	2.886	2.949	2.881	2.904	2.859	2.913	2.872	2.909	2.868	2.868
162.0	2.994	3.044	2.972	2.985	2.935	2.981	2.953	2.967	2.935	2.940
165.0	3.111	3.130	3.030	3.039	3.012	3.026	2.976	3.021	2.967	3.008
168.0	3.161	3.184	3.102	3.103	3.044	3.080	3.035	3.071	3.030	3.067
171.0	3.246	3.215	3.120	3.143	3.093	3.112	3.093	3.116	3.080	3.107
174.0	3.247	3.215	3.161	3.161	3.098	3.134	3.093	3.116	3.093	3.139
177.0	3.251	3.224	3.170	3.166	3.111	3.143	3.102	3.116	3.102	3.139
180.0	3.251	3.242	3.170	3.170	3.134	3.143	3.111	3.116	3.125	3.139
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	1196	1195	1218	1215	1211	1209	1206	1204	1202	1200
3.0	1192	1192	1217	1213	1210	1207	1205	1202	1201	1199
6.0	1185	1186	1212	1208	1204	1201	1199	1197	1196	1195
9.0	1174	1176	1203	1198	1195	1192	1190	1188	1188	1186
12.0	1160	1161	1190	1185	1182	1178	1177	1175	1176	1174
15.0	1141	1144	1173	1167	1164	1161	1160	1159	1160	1159
18.0	1119	1122	1152	1146	1144	1140	1140	1139	1140	1139
21.0	1094	1098	1128	1122	1119	1116	1116	1115	1117	1117
24.0	1065	1070	1100	1094	1092	1088	1089	1088	1091	1090
27.0	1034	1039	1069	1063	1061	1057	1058	1058	1061	1061
30.0	998.7	1004	1035	1029	1026	1023	1025	1025	1028	1028

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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]

33.0	960.9	966.9	997.9	991.2	989.3	985.8	987.9	988.0	992.5	992.5
36.0	920.5	927.0	957.7	950.8	949.0	945.6	948.2	948.6	953.7	953.8
39.0	877.5	884.0	915.0	907.9	906.2	902.9	905.7	906.5	912.1	912.6
42.0	831.9	838.8	869.3	862.0	860.5	857.3	860.5	861.6	867.8	868.3
45.0	783.9	790.9	821.4	813.9	812.4	809.2	812.8	813.9	820.6	821.3
48.0	733.7	741.1	771.0	763.2	761.8	758.7	762.5	764.0	771.2	772.1
51.0	681.1	688.6	717.8	710.2	708.7	705.7	709.7	711.5	719.0	720.2
54.0	626.4	634.3	662.9	655.0	653.8	650.4	654.8	656.5	664.8	665.9
57.0	569.9	578.3	606.2	597.9	596.8	593.4	597.9	599.8	608.6	609.8
60.0	511.4	520.2	547.0	538.6	537.5	534.1	538.8	540.8	549.9	551.4
63.0	451.8	460.6	486.6	478.2	477.1	473.3	478.3	480.2	489.7	491.4
66.0	390.7	399.7	424.6	416.2	414.7	411.1	415.9	418.1	427.6	429.8
69.0	329.1	337.8	361.8	353.3	351.7	348.0	352.7	354.6	364.6	366.9
72.0	267.3	275.3	298.7	290.3	288.7	284.6	289.1	291.0	300.8	303.4
75.0	207.1	214.0	234.8	228.5	224.8	222.8	224.8	228.4	235.9	240.6
78.0	149.2	156.2	174.9	168.5	165.3	162.6	164.8	167.7	175.2	179.2
81.0	95.38	102.7	118.8	111.4	109.9	106.0	109.3	110.3	118.5	120.9
84.0	48.12	53.54	67.13	61.25	60.05	57.96	60.67	61.93	68.65	70.91
87.0	10.77	14.51	24.11	19.61	19.07	17.59	21.06	23.29	28.78	29.91
90.0	0.2859	0.2661	0.9174	0.5117	0.4231	0.4628	0.4316	0.4772	1.131	0.8820
93.0	0.2930	0.2979	0.3158	0.3202	0.3293	0.3382	0.3250	0.3111	0.3250	0.2886
96.0	0.3787	0.3927	0.3836	0.3743	0.3928	0.3786	0.4198	0.3830	0.4198	0.3696
99.0	0.5177	0.4873	0.4649	0.4419	0.4964	0.5045	0.5235	0.4957	0.5281	0.4910
102.0	0.5904	0.5821	0.5821	0.5901	0.6001	0.5907	0.6273	0.6173	0.6499	0.5950
105.0	0.7076	0.7083	0.6949	0.6629	0.7219	0.7166	0.7580	0.7349	0.7852	0.7212
108.0	0.8518	0.8346	0.8212	0.8071	0.8438	0.8741	0.8843	0.8745	0.9205	0.8564
111.0	0.9871	0.9698	0.9607	0.9419	0.9790	0.9602	1.020	1.014	1.065	0.9962
114.0	1.109	1.101	1.083	1.095	1.114	1.113	1.164	1.159	1.205	1.145
117.0	1.245	1.245	1.214	1.239	1.254	1.235	1.304	1.307	1.353	1.289
120.0	1.380	1.376	1.349	1.352	1.394	1.375	1.443	1.447	1.498	1.425
123.0	1.528	1.506	1.489	1.452	1.511	1.506	1.583	1.600	1.637	1.573
126.0	1.672	1.637	1.624	1.582	1.642	1.641	1.705	1.709	1.755	1.695
129.0	1.798	1.755	1.737	1.704	1.755	1.754	1.831	1.857	1.885	1.817
132.0	1.885	1.890	1.863	1.826	1.872	1.885	1.966	1.957	2.007	1.939
135.0	2.006	2.012	1.985	1.966	2.003	2.006	2.084	2.083	2.129	2.074
138.0	2.146	2.133	2.115	2.092	2.120	2.119	2.197	2.191	2.242	2.173
141.0	2.246	2.246	2.219	2.173	2.237	2.227	2.305	2.299	2.345	2.286
144.0	2.376	2.341	2.341	2.299	2.341	2.340	2.404	2.399	2.449	2.385
147.0	2.435	2.444	2.431	2.394	2.449	2.439	2.499	2.502	2.539	2.484
150.0	2.539	2.548	2.553	2.538	2.553	2.530	2.598	2.584	2.629	2.575
153.0	2.615	2.634	2.647	2.588	2.638	2.624	2.679	2.665	2.710	2.660
156.0	2.719	2.724	2.751	2.678	2.724	2.728	2.769	2.742	2.787	2.724
159.0	2.831	2.814	2.846	2.822	2.814	2.800	2.846	2.818	2.864	2.800
162.0	2.881	2.895	2.954	2.868	2.891	2.868	2.922	2.886	2.922	2.877
165.0	2.967	2.981	3.062	2.967	2.985	2.949	2.985	2.954	2.985	2.940
168.0	3.012	3.044	3.143	3.030	3.058	3.025	3.053	3.017	3.040	2.990
171.0	3.048	3.098	3.206	3.116	3.112	3.071	3.098	3.044	3.085	3.035
174.0	3.111	3.134	3.238	3.147	3.148	3.098	3.130	3.093	3.112	3.084
177.0	3.111	3.157	3.256	3.170	3.175	3.116	3.157	3.098	3.139	3.098
180.0	3.120	3.175	3.251	3.211	3.202	3.175	3.166	3.116	3.139	3.111
G/C	300.0	315.0	330.0	345.0						
0.0	1198	1197	1196	1195						
3.0	1198	1196	1195	1193						
6.0	1194	1192	1190	1187						
9.0	1186	1184	1182	1178						
12.0	1174	1172	1169	1165						
15.0	1158	1156	1153	1148						
18.0	1140	1136	1134	1127						
21.0	1117	1114	1110	1103						
24.0	1091	1087	1084	1076						
27.0	1062	1058	1054	1045						
30.0	1029	1025	1021	1012						
33.0	993.6	989.4	985.4	975.5						
36.0	955.0	950.8	946.6	936.2						
39.0	913.8	909.4	905.1	894.1						
42.0	869.8	865.3	860.9	849.2						
45.0	823.3	818.5	814.1	801.9						
48.0	774.3	769.4	764.8	752.2						
51.0	722.7	717.9	712.9	700.2						
54.0	668.8	663.8	659.3	645.7						
57.0	613.1	608.0	603.6	589.8						
60.0	555.0	550.0	545.6	531.9						
63.0	495.3	490.3	486.2	472.3						
66.0	433.6	429.4	425.1	411.2						

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2020-07-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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]

69.0	371.2	367.0	363.1	349.2
72.0	308.0	304.1	300.4	287.2
75.0	243.5	242.0	236.8	226.4
78.0	182.7	181.1	177.2	166.8
81.0	125.7	123.2	121.0	110.1
84.0	74.58	72.53	69.94	60.47
87.0	31.87	29.21	26.79	19.25
90.0	1.528	0.9099	0.6853	0.2980
93.0	0.3023	0.2841	0.2979	0.2840
96.0	0.3972	0.3651	0.3836	0.3470
99.0	0.4830	0.4461	0.4694	0.4462
102.0	0.6003	0.5633	0.5776	0.5588
105.0	0.7265	0.6716	0.6949	0.6582
108.0	0.8573	0.7935	0.8212	0.7798
111.0	1.001	0.9375	0.9385	0.9239
114.0	1.141	1.086	1.078	1.055
117.0	1.286	1.221	1.214	1.181
120.0	1.425	1.366	1.349	1.312
123.0	1.565	1.492	1.489	1.443
126.0	1.687	1.610	1.624	1.578
129.0	1.818	1.740	1.741	1.695
132.0	1.939	1.866	1.872	1.817
135.0	2.066	2.006	1.989	1.939
138.0	2.179	2.110	2.115	2.074
141.0	2.287	2.218	2.228	2.182
144.0	2.390	2.331	2.345	2.295
147.0	2.485	2.435	2.445	2.417
150.0	2.580	2.525	2.553	2.512
153.0	2.670	2.611	2.656	2.615
156.0	2.746	2.710	2.738	2.728
159.0	2.828	2.787	2.832	2.809
162.0	2.895	2.872	2.918	2.890
165.0	2.967	2.931	2.994	2.980
168.0	3.021	3.003	3.053	3.039
171.0	3.071	3.039	3.098	3.089
174.0	3.098	3.093	3.130	3.107
177.0	3.130	3.098	3.143	3.125
180.0	3.134	3.139	3.161	3.161

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2020-07-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 8.190m [K=1.0000]
Remarks: