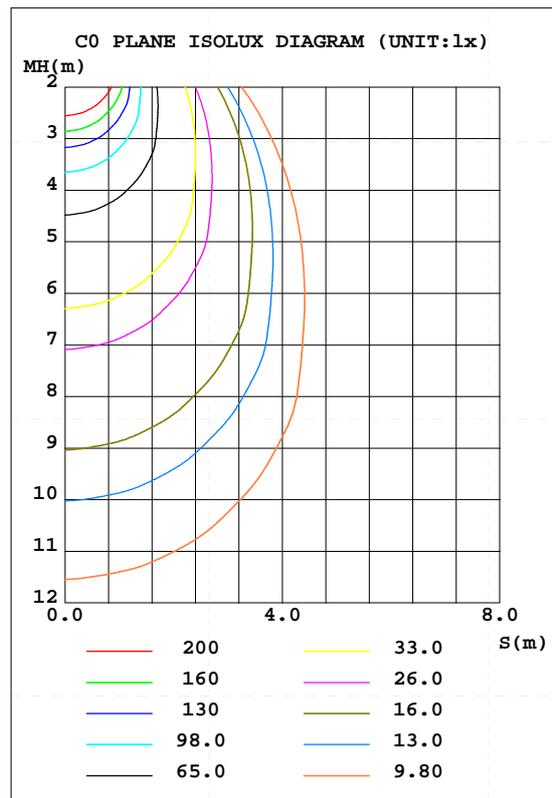
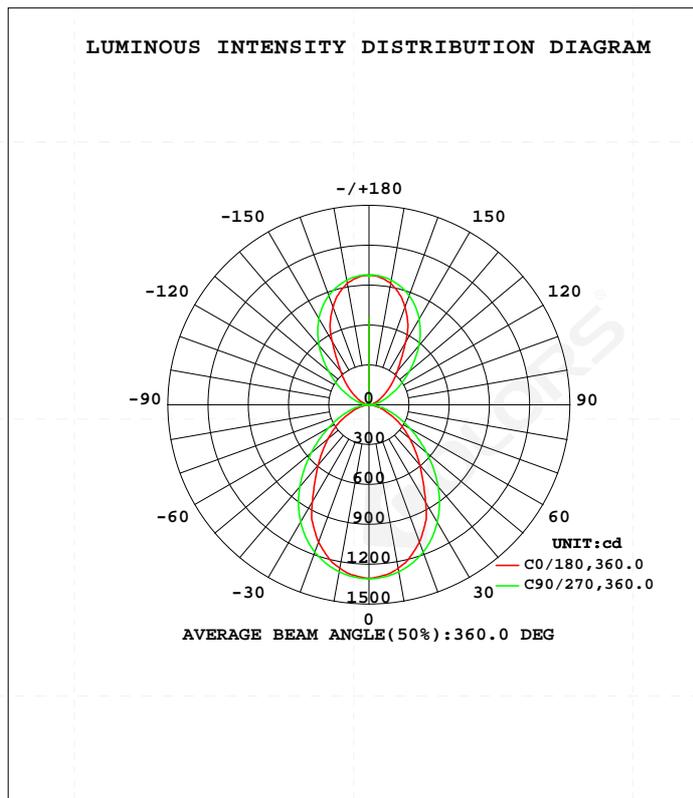


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME: LLS-LH25FPXBS1200-F40NW8X-DC	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.06 lm/W			
MODEL		I <sub>max</sub> (cd)	1309	S/MH(C0/180)	1.04
NOMINAL POWER(W)	47.8	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	4290.2	h UP, DN(C0-180)	19.8, 30.2
NOMINAL FLUX(lm)	4290.15	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	19.8, 30.2
LAMPS INSIDE	1	h up(%)	39.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	24	h down(%)	60.4	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

Page Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

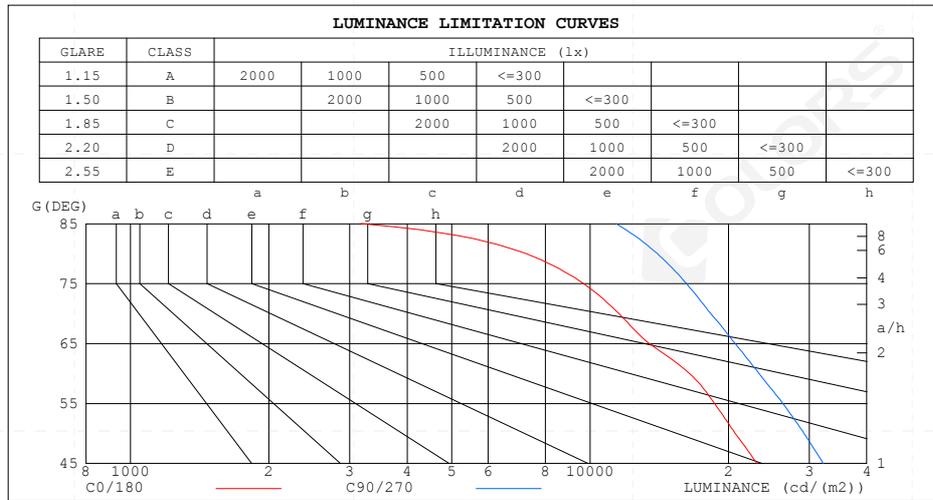
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1250	1264	1276	1264	1250	1264	1276	1264	0- 10	122.6	122.6	2.86,2.86
20	1100	1140	1180	1140	1100	1140	1180	1140	10- 20	340.5	463.0	10.8,10.8
30	847.6	944.8	1020	944.8	847.6	944.8	1020	944.8	20- 30	481.8	944.8	22,22
40	590.1	692.8	803.5	692.8	590.1	692.8	803.5	692.8	30- 40	513.5	1458	34,34
50	399.3	463.7	563.7	463.7	399.3	463.7	563.7	463.7	40- 50	447.3	1906	44.4,44.4
60	246.9	290.6	349.8	290.6	246.9	290.6	349.8	290.6	50- 60	340.6	2246	52.4,52.4
70	118.6	150.0	187.8	150.0	118.6	150.0	187.8	150.0	60- 70	217.9	2464	57.4,57.4
80	37.82	53.10	72.99	53.10	37.82	53.10	72.99	53.10	70- 80	105.1	2569	59.9,59.9
90	1.060	1.598	2.257	1.598	1.060	1.598	2.257	1.598	80- 90	23.33	2593	60.4,60.4
100	15.49	26.48	46.47	26.48	15.49	26.48	46.47	26.48	90-100	12.24	2605	60.7,60.7
110	53.03	75.97	122.6	75.97	53.03	75.97	122.6	75.97	100-110	56.89	2662	62,62
120	103.1	156.7	238.5	156.7	103.1	156.7	238.5	156.7	110-120	119.1	2781	64.8,64.8
130	197.3	269.5	394.6	269.5	197.3	269.5	394.6	269.5	120-130	197.6	2978	69.4,69.4
140	329.7	445.1	579.3	445.1	329.7	445.1	579.3	445.1	130-140	278.3	3257	75.9,75.9
150	551.3	659.9	748.7	659.9	551.3	659.9	748.7	659.9	140-150	346.2	3603	84,84
160	784.8	830.6	876.2	830.6	784.8	830.6	876.2	830.6	150-160	344.7	3947	92,92
170	928.8	939.8	952.6	939.8	928.8	939.8	952.6	939.8	160-170	251.1	4199	97.9,97.9
180	958.9	958.9	958.9	958.9	958.9	958.9	958.9	958.9	170-180	91.52	4290	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

g Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3180	11399
80	7260	14011
75	9684	16218
70	11562	18303
65	13461	20694
60	16460	23319
55	18666	26280
50	20709	29234
45	23088	32167

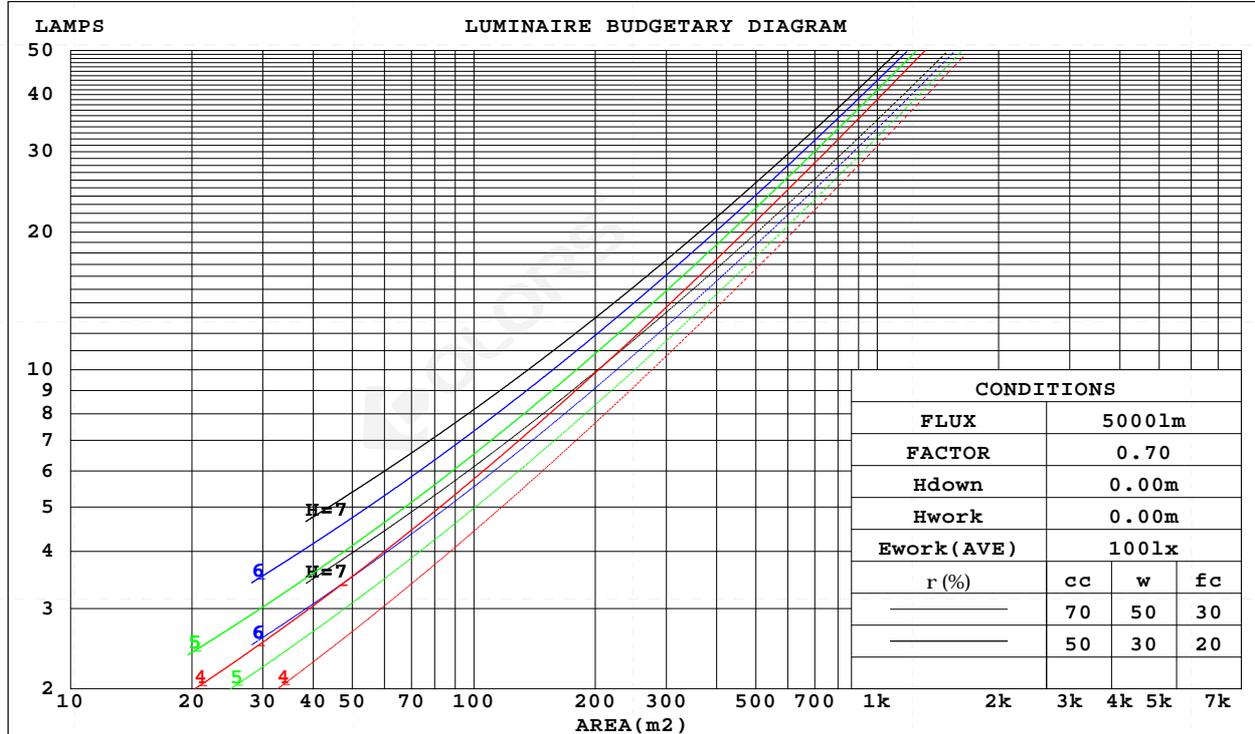
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

G Range: 0 - 180DEG  
 G Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.10	1.10	1.10	1.02	1.02	1.02	.89	.89	.89	.77	.77	.77	.66	.66	.66	.60
1.0	.97	.93	.90	.91	.88	.85	.79	.77	.75	.69	.67	.66	.59	.58	.57	.53
2.0	.85	.80	.75	.80	.75	.71	.70	.67	.63	.61	.59	.56	.53	.51	.49	.45
3.0	.76	.69	.63	.71	.65	.60	.63	.58	.54	.55	.51	.48	.48	.45	.43	.39
4.0	.68	.60	.54	.64	.57	.52	.56	.51	.47	.50	.45	.42	.43	.40	.38	.34
5.0	.61	.53	.47	.57	.50	.45	.51	.45	.41	.45	.41	.37	.39	.36	.33	.30
6.0	.55	.47	.41	.52	.45	.40	.46	.41	.36	.41	.36	.33	.36	.32	.30	.27
7.0	.50	.42	.37	.47	.40	.35	.42	.36	.32	.37	.33	.29	.33	.29	.27	.24
8.0	.46	.38	.33	.43	.36	.31	.39	.33	.29	.35	.30	.27	.31	.27	.24	.22
9.0	.42	.34	.29	.40	.33	.28	.36	.30	.26	.32	.27	.24	.28	.25	.22	.20
10.0	.39	.31	.27	.37	.30	.26	.33	.28	.24	.30	.25	.22	.26	.23	.20	.18



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.263	.149	.047	.244	.139	.044	.208	.120	.038	.176	.101	.033	.146	.085	.027	
2.0	.248	.136	.042	.231	.127	.039	.198	.110	.034	.169	.095	.030	.141	.080	.025	
3.0	.231	.123	.037	.215	.115	.035	.186	.101	.031	.159	.087	.027	.134	.074	.023	
4.0	.215	.112	.033	.201	.105	.031	.174	.092	.028	.149	.080	.024	.126	.069	.021	
5.0	.201	.102	.030	.188	.096	.028	.163	.085	.025	.140	.074	.022	.119	.063	.019	
6.0	.187	.094	.027	.175	.089	.026	.153	.078	.023	.132	.068	.020	.112	.059	.017	
7.0	.176	.087	.025	.164	.082	.023	.144	.073	.021	.124	.064	.018	.105	.055	.016	
8.0	.165	.081	.023	.155	.076	.022	.135	.068	.019	.117	.059	.017	.100	.051	.015	
9.0	.155	.075	.021	.146	.071	.020	.128	.063	.018	.111	.055	.016	.094	.048	.014	
10.0	.147	.070	.020	.138	.066	.019	.121	.059	.017	.105	.052	.015	.090	.045	.013	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.492	.492	.492	.420	.420	.420	.287	.287	.287	.165	.165	.165	.053	.053	.053	
1.0	.481	.461	.442	.412	.395	.380	.282	.272	.263	.162	.157	.153	.052	.051	.049	
2.0	.472	.438	.409	.405	.377	.354	.277	.261	.247	.160	.152	.145	.051	.049	.047	
3.0	.465	.422	.387	.398	.364	.336	.273	.253	.236	.158	.148	.139	.051	.048	.045	
4.0	.457	.409	.372	.393	.354	.324	.270	.246	.228	.156	.144	.135	.050	.047	.044	
5.0	.451	.400	.362	.387	.346	.315	.267	.241	.222	.154	.142	.132	.050	.046	.043	
6.0	.444	.392	.354	.382	.339	.308	.264	.237	.218	.153	.140	.130	.049	.046	.043	
7.0	.438	.385	.348	.377	.334	.303	.261	.234	.215	.151	.138	.128	.049	.045	.042	
8.0	.433	.380	.344	.373	.330	.300	.258	.231	.213	.150	.137	.127	.049	.045	.042	
9.0	.427	.375	.340	.368	.326	.297	.255	.229	.211	.149	.135	.126	.048	.044	.042	
10.0	.422	.372	.338	.364	.323	.295	.253	.227	.209	.147	.134	.125	.048	.044	.041	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm										
NAME:					TYPE:01			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: COLORS					SUR.:1200*25			Shielding 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	14.8	15.7	15.5	16.5	17.4	16.3	17.3	17.0	18.0	18.9
3H	15.4	16.3	16.2	17.1	18.0	17.2	18.1	18.0	18.9	19.8
4H	15.6	16.5	16.4	17.2	18.2	17.6	18.4	18.4	19.2	20.2
6H	15.7	16.5	16.5	17.3	18.3	17.8	18.6	18.6	19.4	20.4
8H	15.7	16.4	16.5	17.2	18.2	17.9	18.6	18.7	19.4	20.4
12H	15.6	16.3	16.5	17.1	18.2	17.9	18.6	18.7	19.4	20.4
4H 2H	15.2	16.0	16.0	16.8	17.7	16.4	17.2	17.2	18.0	19.0
3H	16.0	16.7	16.8	17.5	18.5	17.5	18.2	18.3	19.0	20.0
4H	16.3	16.9	17.1	17.7	18.8	18.0	18.6	18.8	19.4	20.5
6H	16.4	16.9	17.3	17.8	18.9	18.3	18.8	19.2	19.7	20.8
8H	16.4	16.9	17.3	17.8	18.9	18.4	18.9	19.3	19.8	20.9
12H	16.3	16.8	17.2	17.7	18.8	18.4	18.9	19.3	19.8	20.9
8H 4H	16.3	16.8	17.2	17.7	18.8	17.9	18.4	18.8	19.3	20.4
6H	16.6	17.0	17.5	17.9	19.0	18.3	18.7	19.2	19.6	20.8
8H	16.6	17.0	17.5	17.9	19.0	18.5	18.8	19.4	19.8	20.9
12H	16.6	16.9	17.5	17.8	19.0	18.6	18.9	19.5	19.8	21.0
12H 4H	16.3	16.8	17.2	17.6	18.8	17.8	18.3	18.7	19.2	20.3
6H	16.6	16.9	17.5	17.8	19.0	18.3	18.6	19.2	19.6	20.7
8H	16.6	16.9	17.6	17.9	19.0	18.5	18.8	19.4	19.7	20.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.4 / - 0.7					+ 0.6 / - 0.7				

CIE Pub.117, 4290 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.1)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

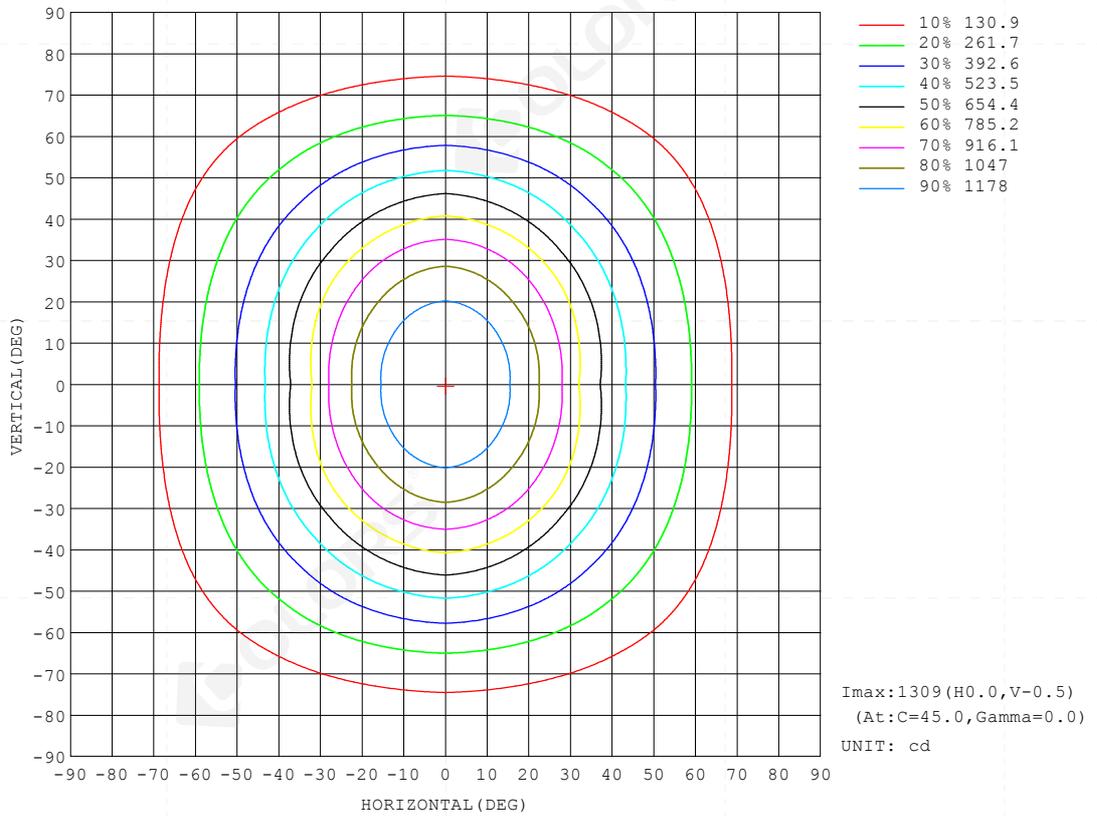
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	51	41	35	49	40	34	45	37	32	25
0.80	61	50	43	58	48	42	52	45	40	31
1.00	68	58	51	65	55	49	58	52	46	36
1.25	75	65	58	71	62	56	64	57	52	40
1.50	80	70	64	75	67	61	67	61	56	43
2.00	86	78	72	81	74	68	72	67	62	46
2.50	90	82	77	85	78	73	75	70	66	48
3.00	93	86	81	87	82	77	77	73	69	50
4.00	97	91	87	91	86	82	80	77	74	53
5.00	99	95	91	93	89	86	82	79	76	54
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: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:



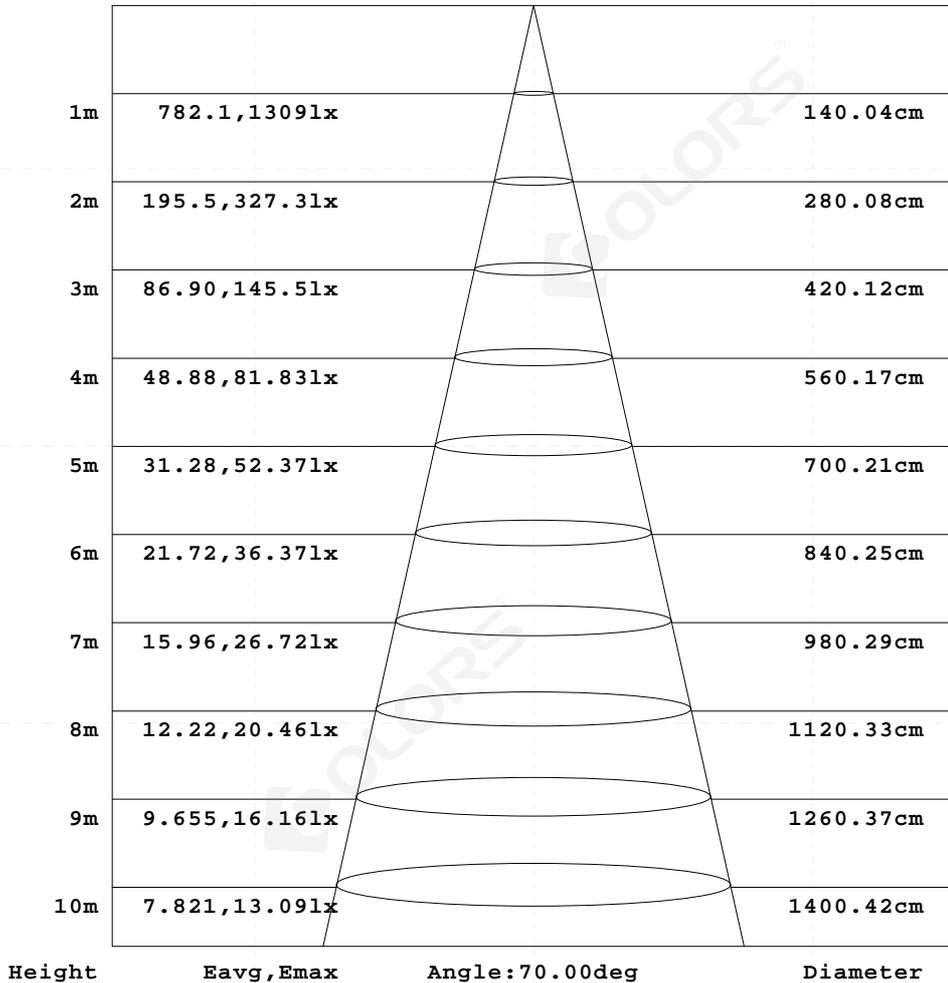
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:JYH  
Test Date:01

Range: 0 - 180DEG  
Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.000m [K=1.0000]  
Remarks:

**AAI Figure**

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

Flux out:1205 lm



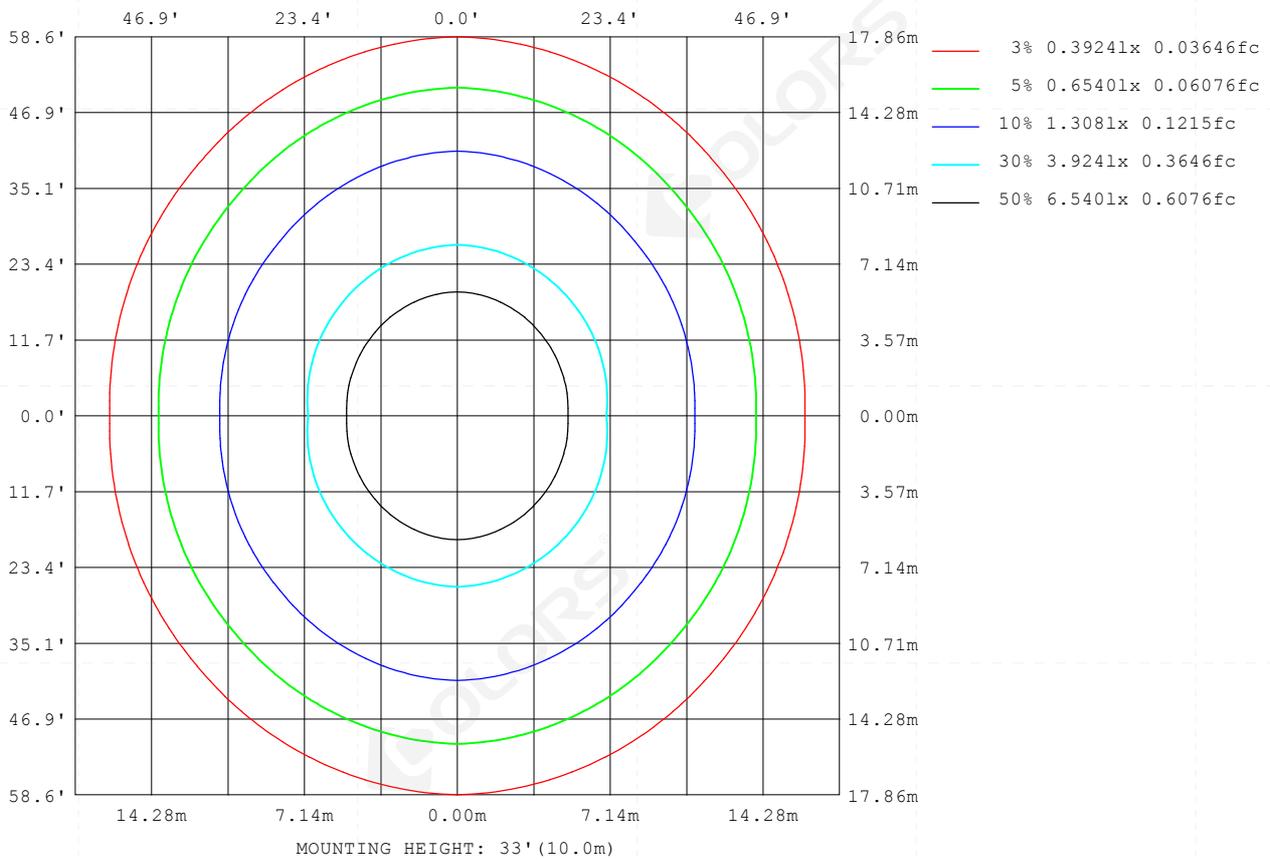
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: JYH  
Test Date: 01

Range: 0 - 180DEG  
Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.000m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

Page Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

LED Avg.L Report

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

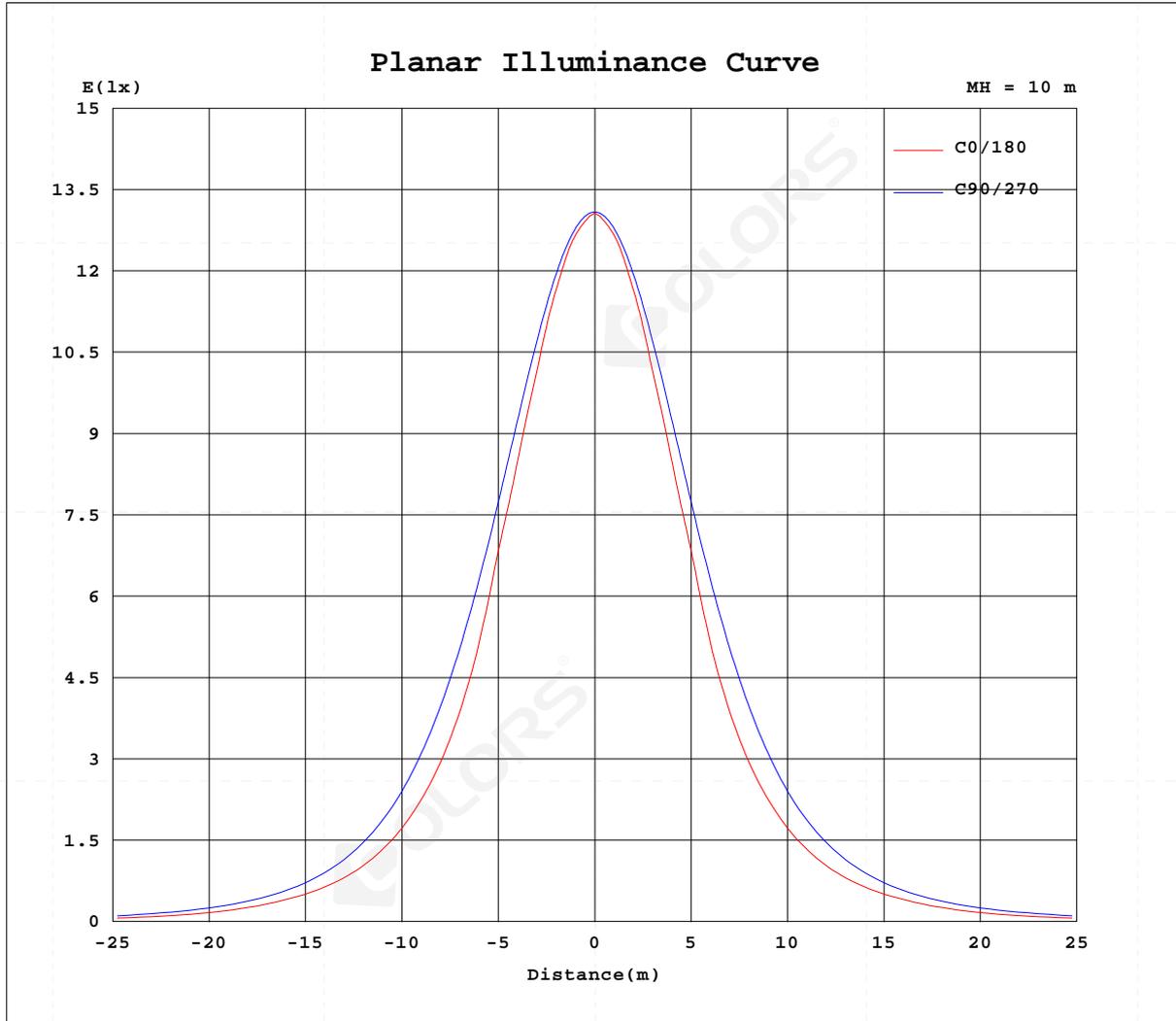
AvgL	cd/m2
L_0~180(65)av	13461
L_0~180(75)av	9684
L_0~180(85)av	3180
L_90~270(65)av	20694
L_90~270(75)av	16218
L_90~270(85)av	11399
L_45(65)av	17247
L_45(75)av	12202
L_45(85)av	6686

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators: JYH  
 Test Date: 01

Page Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 10.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

Table--1

UNIT: cd

C( DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1308	1308	1308	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309
5	1288	1288	1288	1289	1289	1289	1290	1291	1291	1292	1293	1294	1295	1297	1298	1299	1299	1300	1301
10	1250	1251	1252	1253	1255	1257	1258	1260	1262	1264	1266	1267	1269	1271	1272	1274	1275	1276	1276
15	1186	1188	1190	1192	1194	1197	1200	1202	1205	1208	1212	1216	1220	1223	1227	1230	1232	1234	1236
20	1100	1103	1106	1110	1115	1119	1124	1129	1135	1140	1146	1152	1157	1163	1168	1172	1176	1178	1180
25	992	996	1001	1007	1013	1019	1026	1032	1040	1047	1056	1065	1073	1081	1088	1095	1101	1105	1108
30	848	857	866	877	888	899	910	922	933	945	957	968	979	989	998	1006	1012	1017	1020
35	706	719	731	745	759	774	788	803	817	831	845	859	871	883	893	902	909	914	918
40	590	598	608	618	629	641	653	666	679	693	709	725	740	755	768	780	790	798	804
45	490	495	501	508	517	526	535	546	557	569	584	600	616	630	644	657	667	676	682
50	399	403	408	414	421	428	436	445	454	464	477	491	505	518	530	541	550	558	564
55	321	324	328	333	338	343	350	357	364	371	382	394	404	415	425	434	441	448	452
60	247	250	253	258	262	267	273	278	284	291	299	307	315	323	330	337	342	347	350
65	171	175	179	184	189	195	201	207	213	219	225	232	238	244	249	253	257	260	262
70	119	121	124	127	130	134	138	142	146	150	155	161	166	171	175	180	183	186	188
75	75.2	76.4	77.9	79.6	81.6	83.9	86.3	89.0	91.8	94.7	99.0	103	107	112	115	119	122	124	126
80	37.8	38.9	40.2	41.7	43.3	45.1	46.9	48.9	51.0	53.1	55.9	58.7	61.4	64.0	66.4	68.6	70.4	71.9	73.0
85	8.31	8.99	9.77	10.7	11.6	12.7	13.8	15.0	16.2	17.5	19.2	20.9	22.6	24.2	25.7	27.1	28.2	29.1	29.8
90	1.06	1.08	1.12	1.16	1.22	1.28	1.35	1.43	1.51	1.60	1.69	1.78	1.88	1.96	2.04	2.11	2.17	2.22	2.26
95	2.36	2.52	2.77	3.13	3.58	4.13	4.78	5.52	6.35	7.27	8.84	10.4	12.1	13.6	15.1	16.5	17.7	18.6	19.4
100	15.5	16.1	16.9	17.8	18.9	20.1	21.5	23.1	24.7	26.5	29.2	31.9	34.6	37.2	39.6	41.8	43.8	45.3	46.5
105	32.8	33.7	34.8	36.1	37.8	39.6	41.7	44.1	46.6	49.3	53.5	57.8	62.0	66.1	69.9	73.5	76.5	79.0	80.8
110	53.0	54.1	55.5	57.3	59.6	62.2	65.1	68.4	72.0	76.0	82.1	88.4	94.6	101	106	112	116	120	123
115	75.3	77.5	80.3	83.5	87.2	91.4	96.1	101	106	112	121	129	138	146	153	160	166	171	174
120	103	107	111	116	121	128	134	141	149	157	168	179	190	201	211	220	228	234	239
125	146	150	155	160	167	174	182	190	200	209	223	237	251	265	277	289	298	306	312
130	197	201	206	213	220	228	237	247	258	270	286	303	320	337	352	366	378	388	395
135	258	263	269	276	285	294	305	317	329	343	362	382	401	419	437	453	466	478	486
140	330	338	348	359	372	385	399	414	429	445	464	483	502	520	536	550	563	572	579
145	420	432	446	461	477	494	510	528	545	562	579	595	610	624	637	648	657	664	669
150	551	561	571	582	595	607	620	633	647	660	674	687	700	711	722	731	739	745	749
155	686	692	698	704	711	719	727	735	743	752	761	771	780	789	797	804	810	815	818
160	785	788	792	797	802	807	813	819	825	831	837	844	850	856	862	867	871	874	876
165	869	871	873	876	878	881	884	887	891	894	898	902	905	909	912	915	917	919	920
170	929	929	930	931	933	934	935	937	938	940	942	943	945	947	948	950	951	952	953
175	963	963	964	964	965	966	966	967	968	968	969	970	970	971	971	972	972	972	972
180	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

g Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1308	1308	1308	1308
5	1300	1299	1299	1298	1297	1295	1294	1293	1292	1291	1291	1290	1289	1289	1289	1288	1288	1288	1288
10	1276	1275	1274	1272	1271	1269	1267	1266	1264	1262	1260	1258	1257	1255	1253	1252	1251	1250	1251
15	1234	1232	1230	1227	1223	1220	1216	1212	1208	1205	1202	1200	1197	1194	1192	1190	1188	1186	1188
20	1178	1176	1172	1168	1163	1157	1152	1146	1140	1135	1129	1124	1119	1115	1110	1106	1103	1100	1103
25	1105	1101	1095	1088	1081	1073	1065	1056	1047	1040	1032	1026	1019	1013	1007	1001	996	992	996
30	1017	1012	1006	998	989	979	968	957	945	933	922	910	899	888	877	866	857	848	857
35	914	909	902	893	883	871	859	845	831	817	803	788	774	759	745	731	719	706	719
40	798	790	780	768	755	740	725	709	693	679	666	653	641	629	618	608	598	590	598
45	676	667	657	644	630	616	600	584	569	557	546	535	526	517	508	501	495	490	495
50	558	550	541	530	518	505	491	477	464	454	445	436	428	421	414	408	403	399	403
55	448	441	434	425	415	404	394	382	371	364	357	350	343	338	333	328	324	321	324
60	347	342	337	330	323	315	307	299	291	284	278	273	267	262	258	253	250	247	250
65	260	257	253	249	244	238	232	225	219	213	207	201	195	189	184	179	175	171	175
70	186	183	180	175	171	166	161	155	150	146	142	138	134	130	127	124	121	119	121
75	124	122	119	115	112	107	103	99.0	94.7	91.8	89.0	86.3	83.9	81.6	79.6	77.9	76.4	75.2	76.4
80	71.9	70.4	68.6	66.4	64.0	61.4	58.7	55.9	53.1	51.0	48.9	46.9	45.1	43.3	41.7	40.2	38.9	37.8	38.9
85	29.1	28.2	27.1	25.7	24.2	22.6	20.9	19.2	17.5	16.2	15.0	13.8	12.7	11.6	10.7	9.77	8.99	8.31	8.99
90	2.22	2.17	2.11	2.04	1.96	1.88	1.78	1.69	1.60	1.51	1.43	1.35	1.28	1.22	1.16	1.12	1.08	1.06	1.08
95	18.6	17.7	16.5	15.1	13.6	12.1	10.4	8.84	7.27	6.35	5.52	4.78	4.13	3.58	3.13	2.77	2.52	2.36	2.52
100	45.3	43.8	41.8	39.6	37.2	34.6	31.9	29.2	26.5	24.7	23.1	21.5	20.1	18.9	17.8	16.9	16.1	15.5	16.1
105	79.0	76.5	73.5	69.9	66.1	62.0	57.8	53.5	49.3	46.6	44.1	41.7	39.6	37.8	36.1	34.8	33.7	32.8	33.7
110	120	116	112	106	101	94.6	88.4	82.1	76.0	72.0	68.4	65.1	62.2	59.6	57.3	55.5	54.1	53.0	54.1
115	171	166	160	153	146	138	129	121	112	106	101	96.1	91.4	87.2	83.5	80.3	77.5	75.3	77.5
120	234	228	220	211	201	190	179	168	157	149	141	134	128	121	116	111	107	103	107
125	306	298	289	277	265	251	237	223	209	200	190	182	174	167	160	155	150	146	150
130	388	378	366	352	337	320	303	286	270	258	247	237	228	220	213	206	201	197	201
135	478	466	453	437	419	401	382	362	343	329	317	305	294	285	276	269	263	258	263
140	572	563	550	536	520	502	483	464	445	429	414	399	385	372	359	348	338	330	338
145	664	657	648	637	624	610	595	579	562	545	528	510	494	477	461	446	432	420	432
150	745	739	731	722	711	700	687	674	660	647	633	620	607	595	582	571	561	551	561
155	815	810	804	797	789	780	771	761	752	743	735	727	719	711	704	698	692	686	692
160	874	871	867	862	856	850	844	837	831	825	819	813	807	802	797	792	788	785	788
165	919	917	915	912	909	905	902	898	894	891	887	884	881	878	876	873	871	869	871
170	952	951	950	948	947	945	943	942	940	938	937	935	934	933	931	930	929	929	929
175	972	972	972	971	971	970	970	969	968	968	967	966	966	965	964	964	963	963	963
180	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

g Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

Table--3

UNIT: cd

C( DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1308	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309
5	1288	1289	1289	1289	1290	1291	1291	1292	1293	1294	1295	1297	1298	1299	1299	1300	1301	1300	1299
10	1252	1253	1255	1257	1258	1260	1262	1264	1266	1267	1269	1271	1272	1274	1275	1276	1276	1276	1275
15	1190	1192	1194	1197	1200	1202	1205	1208	1212	1216	1220	1223	1227	1230	1232	1234	1236	1234	1232
20	1106	1110	1115	1119	1124	1129	1135	1140	1146	1152	1157	1163	1168	1172	1176	1178	1180	1178	1176
25	1001	1007	1013	1019	1026	1032	1040	1047	1056	1065	1073	1081	1088	1095	1101	1105	1108	1105	1101
30	866	877	888	899	910	922	933	945	957	968	979	989	998	1006	1012	1017	1020	1017	1012
35	731	745	759	774	788	803	817	831	845	859	871	883	893	902	909	914	918	914	909
40	608	618	629	641	653	666	679	693	709	725	740	755	768	780	790	798	804	798	790
45	501	508	517	526	535	546	557	569	584	600	616	630	644	657	667	676	682	676	667
50	408	414	421	428	436	445	454	464	477	491	505	518	530	541	550	558	564	558	550
55	328	333	338	343	350	357	364	371	382	394	404	415	425	434	441	448	452	448	441
60	253	258	262	267	273	278	284	291	299	307	315	323	330	337	342	347	350	347	342
65	179	184	189	195	201	207	213	219	225	232	238	244	249	253	257	260	262	260	257
70	124	127	130	134	138	142	146	150	155	161	166	171	175	180	183	186	188	186	183
75	77.9	79.6	81.6	83.9	86.3	89.0	91.8	94.7	99.0	103	107	112	115	119	122	124	126	124	122
80	40.2	41.7	43.3	45.1	46.9	48.9	51.0	53.1	55.9	58.7	61.4	64.0	66.4	68.6	70.4	71.9	73.0	71.9	70.4
85	9.77	10.7	11.6	12.7	13.8	15.0	16.2	17.5	19.2	20.9	22.6	24.2	25.7	27.1	28.2	29.1	29.8	29.1	28.2
90	1.12	1.16	1.22	1.28	1.35	1.43	1.51	1.60	1.69	1.78	1.88	1.96	2.04	2.11	2.17	2.22	2.26	2.22	2.17
95	2.77	3.13	3.58	4.13	4.78	5.52	6.35	7.27	8.84	10.4	12.1	13.6	15.1	16.5	17.7	18.6	19.4	18.6	17.7
100	16.9	17.8	18.9	20.1	21.5	23.1	24.7	26.5	29.2	31.9	34.6	37.2	39.6	41.8	43.8	45.3	46.5	45.3	43.8
105	34.8	36.1	37.8	39.6	41.7	44.1	46.6	49.3	53.5	57.8	62.0	66.1	69.9	73.5	76.5	79.0	80.8	79.0	76.5
110	55.5	57.3	59.6	62.2	65.1	68.4	72.0	76.0	82.1	88.4	94.6	101	106	112	116	120	123	120	116
115	80.3	83.5	87.2	91.4	96.1	101	106	112	121	129	138	146	153	160	166	171	174	171	166
120	111	116	121	128	134	141	149	157	168	179	190	201	211	220	228	234	239	234	228
125	155	160	167	174	182	190	200	209	223	237	251	265	277	289	298	306	312	306	298
130	206	213	220	228	237	247	258	270	286	303	320	337	352	366	378	388	395	388	378
135	269	276	285	294	305	317	329	343	362	382	401	419	437	453	466	478	486	478	466
140	348	359	372	385	399	414	429	445	464	483	502	520	536	550	563	572	579	572	563
145	446	461	477	494	510	528	545	562	579	595	610	624	637	648	657	664	669	664	657
150	571	582	595	607	620	633	647	660	674	687	700	711	722	731	739	745	749	745	739
155	698	704	711	719	727	735	743	752	761	771	780	789	797	804	810	815	818	815	810
160	792	797	802	807	813	819	825	831	837	844	850	856	862	867	871	874	876	874	871
165	873	876	878	881	884	887	891	894	898	902	905	909	912	915	917	919	920	919	917
170	930	931	933	934	935	937	938	940	942	943	945	947	948	950	951	952	953	952	951
175	964	964	965	966	966	967	968	968	969	970	970	971	971	972	972	972	972	972	972
180	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

g Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:2.030A P:48.72W PF:1.000 Freq:0Hz Lamp Flux:4290.15x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1308	1308				
5	1299	1298	1297	1295	1294	1293	1292	1291	1291	1290	1289	1289	1289	1288	1288				
10	1274	1272	1271	1269	1267	1266	1264	1262	1260	1258	1257	1255	1253	1252	1251				
15	1230	1227	1223	1220	1216	1212	1208	1205	1202	1200	1197	1194	1192	1190	1188				
20	1172	1168	1163	1157	1152	1146	1140	1135	1129	1124	1119	1115	1110	1106	1103				
25	1095	1088	1081	1073	1065	1056	1047	1040	1032	1026	1019	1013	1007	1001	996				
30	1006	998	989	979	968	957	945	933	922	910	899	888	877	866	857				
35	902	893	883	871	859	845	831	817	803	788	774	759	745	731	719				
40	780	768	755	740	725	709	693	679	666	653	641	629	618	608	598				
45	657	644	630	616	600	584	569	557	546	535	526	517	508	501	495				
50	541	530	518	505	491	477	464	454	445	436	428	421	414	408	403				
55	434	425	415	404	394	382	371	364	357	350	343	338	333	328	324				
60	337	330	323	315	307	299	291	284	278	273	267	262	258	253	250				
65	253	249	244	238	232	225	219	213	207	201	195	189	184	179	175				
70	180	175	171	166	161	155	150	146	142	138	134	130	127	124	121				
75	119	115	112	107	103	99.0	94.7	91.8	89.0	86.3	83.9	81.6	79.6	77.9	76.4				
80	68.6	66.4	64.0	61.4	58.7	55.9	53.1	51.0	48.9	46.9	45.1	43.3	41.7	40.2	38.9				
85	27.1	25.7	24.2	22.6	20.9	19.2	17.5	16.2	15.0	13.8	12.7	11.6	10.7	9.77	8.99				
90	2.11	2.04	1.96	1.88	1.78	1.69	1.60	1.51	1.43	1.35	1.28	1.22	1.16	1.12	1.08				
95	16.5	15.1	13.6	12.1	10.4	8.84	7.27	6.35	5.52	4.78	4.13	3.58	3.13	2.77	2.52				
100	41.8	39.6	37.2	34.6	31.9	29.2	26.5	24.7	23.1	21.5	20.1	18.9	17.8	16.9	16.1				
105	73.5	69.9	66.1	62.0	57.8	53.5	49.3	46.6	44.1	41.7	39.6	37.8	36.1	34.8	33.7				
110	112	106	101	94.6	88.4	82.1	76.0	72.0	68.4	65.1	62.2	59.6	57.3	55.5	54.1				
115	160	153	146	138	129	121	112	106	101	96.1	91.4	87.2	83.5	80.3	77.5				
120	220	211	201	190	179	168	157	149	141	134	128	121	116	111	107				
125	289	277	265	251	237	223	209	200	190	182	174	167	160	155	150				
130	366	352	337	320	303	286	270	258	247	237	228	220	213	206	201				
135	453	437	419	401	382	362	343	329	317	305	294	285	276	269	263				
140	550	536	520	502	483	464	445	429	414	399	385	372	359	348	338				
145	648	637	624	610	595	579	562	545	528	510	494	477	461	446	432				
150	731	722	711	700	687	674	660	647	633	620	607	595	582	571	561				
155	804	797	789	780	771	761	752	743	735	727	719	711	704	698	692				
160	867	862	856	850	844	837	831	825	819	813	807	802	797	792	788				
165	915	912	909	905	902	898	894	891	887	884	881	878	876	873	871				
170	950	948	947	945	943	942	940	938	937	935	934	933	931	930	929				
175	972	971	971	970	970	969	968	968	967	966	966	965	964	964	963				
180	959	959	959	959	959	959	959	959	959	959	959	959	959	959	959				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:01

g Range: 0 - 180DEG  
 Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks: