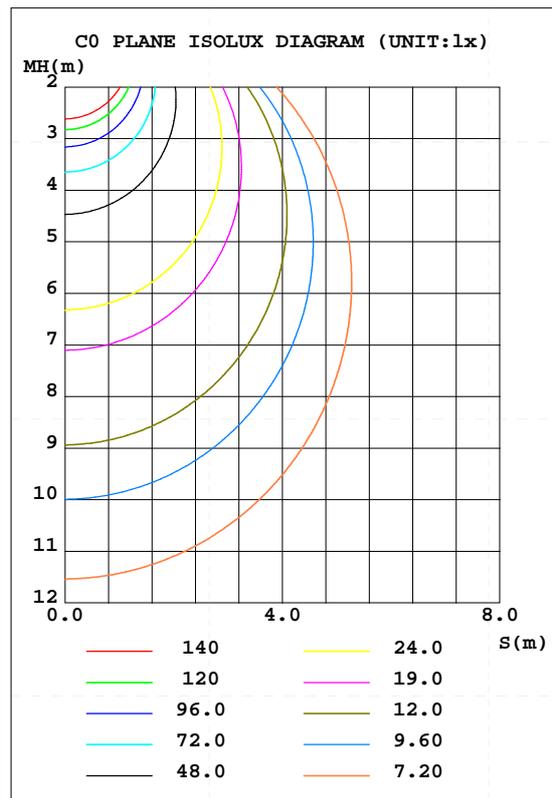
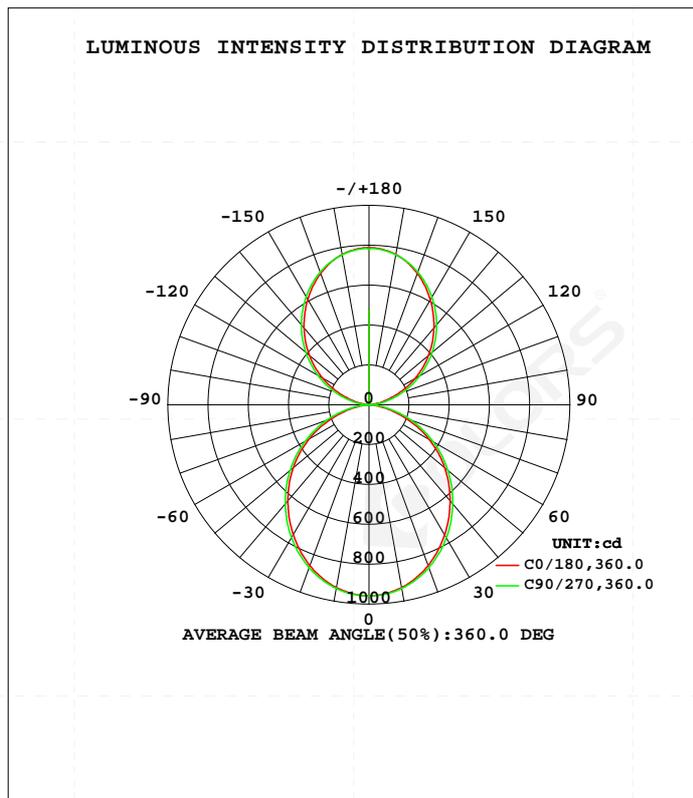


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 lm		
NAME: LLS-LH25FDXBS1200-F40NW8X-DC	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 90.76 lm/W			
MODEL		I _{max} (cd)	960.6	S/MH(C0/180)	1.18
NOMINAL POWER(W)	48.2	LOR(%)	100.0	S/MH(C90/270)	1.20
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	4374.5	h UP, DN(C0-180)	22.1, 27.9
NOMINAL FLUX(lm)	4374.49	CIE CLASS	DIFFUSE	h UP, DN(C180-360)	22.1, 27.9
LAMPS INSIDE	1	h up(%)	44.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	55.7	CIBSE SHR MAX	1.35



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

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:

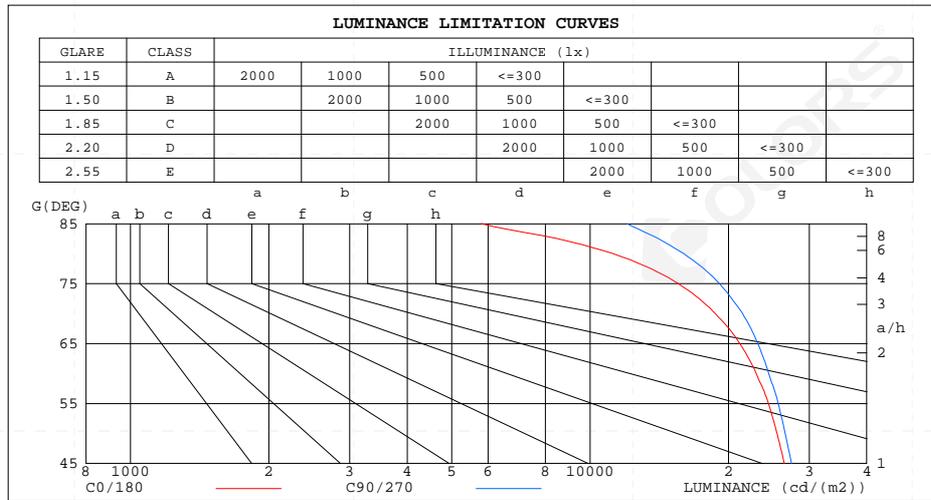
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	931.2	932.8	935.5	932.8	931.2	932.8	935.5	932.8	0- 10	90.29	90.29	2.06,2.06
20	859.0	863.0	870.3	863.0	859.0	863.0	870.3	863.0	10- 20	254.5	344.8	7.88,7.88
30	753.4	760.7	770.7	760.7	753.4	760.7	770.7	760.7	20- 30	375.7	720.6	16.5,16.5
40	628.2	637.2	648.6	637.2	628.2	637.2	648.6	637.2	30- 40	438.8	1159	26.5,26.5
50	492.0	501.9	512.9	501.9	492.0	501.9	512.9	501.9	40- 50	440.7	1600	36.6,36.6
60	344.9	357.8	367.4	357.8	344.9	357.8	367.4	357.8	50- 60	385.3	1985	45.4,45.4
70	192.3	208.8	220.4	208.8	192.3	208.8	220.4	208.8	60- 70	280.0	2265	51.8,51.8
80	58.44	69.77	83.31	69.77	58.44	69.77	83.31	69.77	70- 80	144.0	2409	55.1,55.1
90	1.800	2.251	2.171	2.251	1.800	2.251	2.171	2.251	80- 90	29.01	2438	55.7,55.7
100	33.54	45.89	62.86	45.89	33.54	45.89	62.86	45.89	90-100	17.83	2456	56.1,56.1
110	138.9	156.1	171.6	156.1	138.9	156.1	171.6	156.1	100-110	104.8	2561	58.5,58.5
120	265.2	278.9	291.9	278.9	265.2	278.9	291.9	278.9	110-120	215.5	2776	63.5,63.5
130	386.9	397.1	411.1	397.1	386.9	397.1	411.1	397.1	120-130	303.2	3080	70.4,70.4
140	503.0	511.7	524.0	511.7	503.0	511.7	524.0	511.7	130-140	352.4	3432	78.5,78.5
150	610.0	616.2	625.9	616.2	610.0	616.2	625.9	616.2	140-150	354.4	3786	86.6,86.6
160	702.5	704.3	709.5	704.3	702.5	704.3	709.5	704.3	150-160	305.7	4092	93.5,93.5
170	766.3	764.1	765.0	764.1	766.3	764.1	765.0	764.1	160-170	208.3	4300	98.3,98.3
180	776.0	776.0	776.0	776.0	776.0	776.0	776.0	776.0	170-180	74.03	4374	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:

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:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 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	5801	12030
80	11218	15991
75	15555	19123
70	18738	21483
65	21183	23178
60	22990	24496
55	24440	25662
50	25515	26596
45	26456	27441

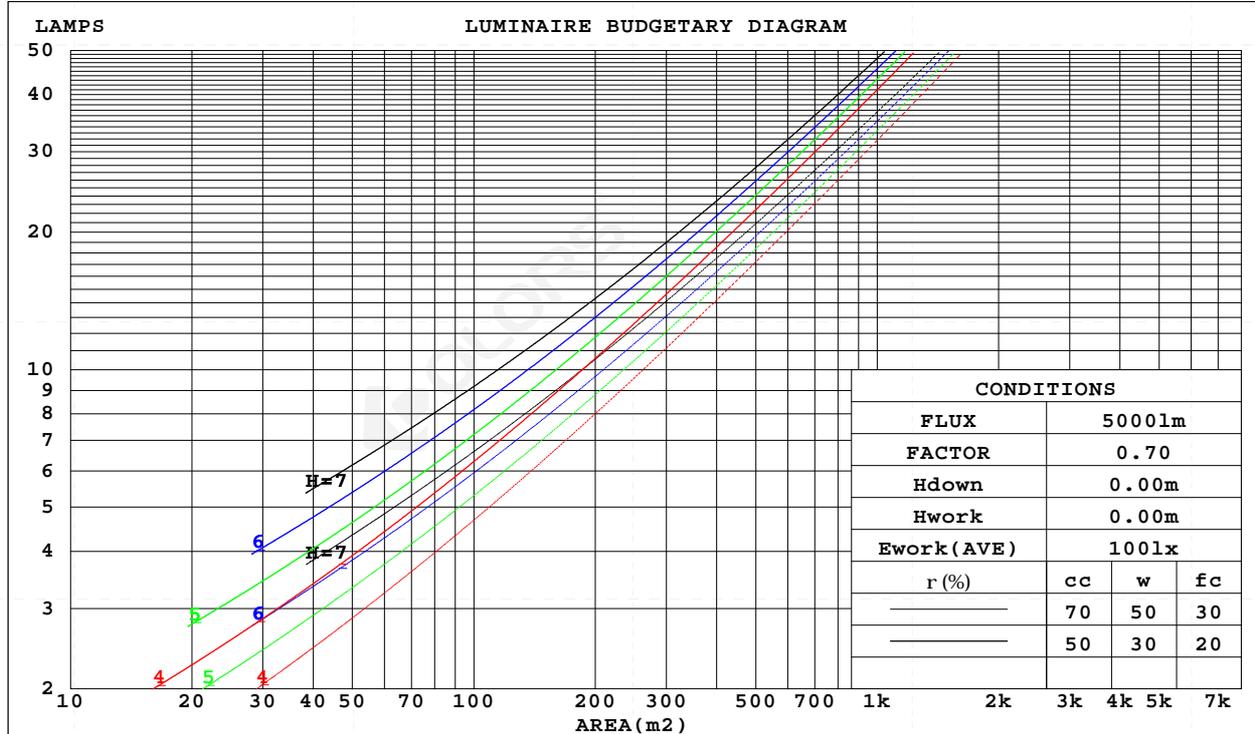
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:JYH
 Test Date:

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:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.09	1.09	1.09	1.01	1.01	1.01	.87	.87	.87	.73	.73	.73	.61	.61	.61	.56
1.0	.95	.91	.88	.88	.85	.82	.76	.74	.71	.65	.63	.62	.55	.53	.52	.47
2.0	.83	.77	.72	.77	.72	.67	.67	.63	.59	.57	.54	.52	.48	.46	.44	.40
3.0	.73	.66	.60	.68	.62	.56	.59	.54	.50	.51	.47	.44	.43	.40	.38	.34
4.0	.65	.57	.51	.60	.53	.48	.52	.47	.43	.45	.41	.37	.38	.35	.32	.29
5.0	.58	.49	.43	.54	.47	.41	.47	.41	.37	.40	.36	.32	.34	.31	.28	.25
6.0	.52	.44	.38	.48	.41	.36	.42	.36	.32	.37	.32	.28	.31	.28	.25	.22
7.0	.47	.39	.33	.44	.37	.31	.38	.33	.28	.33	.29	.25	.28	.25	.22	.20
8.0	.42	.35	.29	.40	.33	.28	.35	.29	.25	.30	.26	.22	.26	.23	.20	.18
9.0	.39	.31	.26	.37	.30	.25	.32	.27	.23	.28	.23	.20	.24	.21	.18	.16
10.0	.36	.28	.24	.34	.27	.22	.30	.24	.20	.26	.21	.18	.22	.19	.16	.14



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

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:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 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	.277	.158	.050	.257	.147	.047	.219	.126	.040	.184	.106	.034	.151	.088	.028	
2.0	.260	.143	.044	.242	.133	.041	.207	.115	.036	.175	.098	.031	.146	.082	.026	
3.0	.242	.129	.039	.225	.121	.036	.193	.105	.032	.164	.090	.028	.137	.076	.023	
4.0	.224	.117	.034	.209	.109	.032	.180	.095	.028	.153	.082	.025	.128	.069	.021	
5.0	.208	.106	.031	.194	.100	.029	.167	.087	.026	.142	.075	.022	.119	.064	.019	
6.0	.194	.097	.028	.181	.091	.026	.156	.080	.023	.133	.069	.020	.112	.059	.017	
7.0	.181	.089	.025	.169	.084	.024	.146	.074	.021	.125	.064	.019	.105	.054	.016	
8.0	.169	.083	.023	.158	.078	.022	.137	.069	.020	.117	.059	.017	.098	.051	.015	
9.0	.159	.077	.021	.149	.073	.020	.129	.064	.018	.110	.055	.016	.093	.047	.014	
10.0	.150	.072	.020	.140	.068	.019	.122	.060	.017	.104	.052	.015	.088	.044	.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	.528	.528	.528	.451	.451	.451	.308	.308	.308	.177	.177	.177	.057	.057	.057	
1.0	.518	.496	.477	.443	.426	.410	.303	.293	.284	.175	.170	.165	.056	.055	.053	
2.0	.510	.474	.444	.437	.408	.384	.300	.282	.268	.173	.164	.157	.055	.053	.051	
3.0	.503	.458	.422	.431	.395	.366	.296	.275	.257	.171	.160	.151	.055	.052	.050	
4.0	.496	.446	.408	.426	.385	.354	.293	.269	.249	.169	.157	.148	.055	.051	.049	
5.0	.490	.437	.397	.421	.378	.346	.290	.264	.244	.168	.155	.145	.054	.051	.048	
6.0	.483	.429	.390	.416	.372	.340	.287	.260	.240	.166	.153	.143	.054	.050	.047	
7.0	.477	.423	.384	.411	.366	.335	.284	.257	.237	.165	.151	.141	.053	.050	.047	
8.0	.472	.417	.380	.406	.362	.332	.281	.254	.235	.163	.150	.140	.053	.049	.046	
9.0	.466	.413	.377	.402	.358	.329	.278	.252	.233	.162	.149	.139	.053	.049	.046	
10.0	.461	.409	.374	.398	.355	.327	.276	.250	.232	.161	.148	.139	.052	.049	.046	

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

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:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 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	15.9	16.9	16.7	17.7	18.7	16.2	17.2	17.0	18.0	18.9
3H	17.1	18.0	17.9	18.8	19.8	17.5	18.3	18.3	19.2	20.2
4H	17.4	18.3	18.3	19.1	20.2	17.9	18.8	18.8	19.6	20.7
6H	17.6	18.3	18.4	19.2	20.3	18.2	19.0	19.1	19.8	20.9
8H	17.6	18.3	18.4	19.2	20.2	18.3	19.0	19.1	19.9	20.9
12H	17.5	18.2	18.4	19.1	20.2	18.3	19.0	19.1	19.8	20.9
4H 2H	16.4	17.2	17.2	18.0	19.1	16.5	17.4	17.4	18.2	19.3
3H	17.7	18.4	18.5	19.2	20.3	18.0	18.7	18.9	19.6	20.7
4H	18.1	18.7	19.0	19.6	20.7	18.6	19.2	19.5	20.1	21.2
6H	18.3	18.8	19.2	19.8	20.9	18.9	19.5	19.8	20.4	21.5
8H	18.3	18.8	19.2	19.7	20.9	19.0	19.5	19.9	20.4	21.6
12H	18.3	18.7	19.2	19.7	20.9	19.0	19.5	20.0	20.4	21.6
8H 4H	18.2	18.7	19.1	19.6	20.8	18.6	19.1	19.5	20.0	21.2
6H	18.5	18.9	19.4	19.8	21.1	19.1	19.5	20.0	20.4	21.6
8H	18.5	18.9	19.5	19.8	21.1	19.2	19.6	20.2	20.5	21.8
12H	18.5	18.8	19.5	19.8	21.0	19.3	19.6	20.2	20.5	21.8
12H 4H	18.1	18.6	19.1	19.5	20.7	18.5	19.0	19.5	19.9	21.1
6H	18.5	18.8	19.4	19.8	21.0	19.0	19.4	20.0	20.3	21.6
8H	18.5	18.8	19.5	19.8	21.1	19.2	19.5	20.2	20.5	21.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3				

CIE Pub.117, 4374 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:

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:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

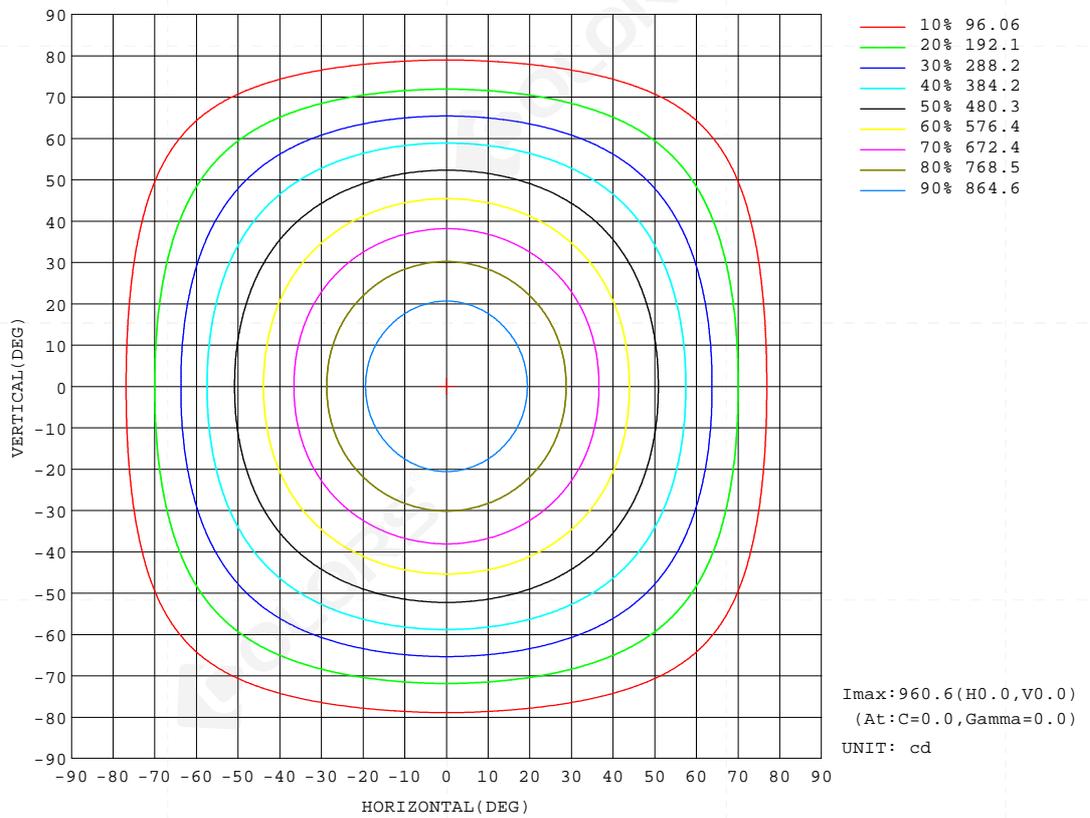
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	46	36	29	44	34	28	40	32	27	19
0.80	56	45	38	53	43	36	47	39	34	24
1.00	64	53	46	60	50	44	53	47	40	29
1.25	71	60	53	67	57	51	59	51	46	33
1.50	76	66	59	71	62	56	62	56	51	36
2.00	83	74	67	78	70	64	68	62	57	40
2.50	87	79	73	81	74	69	71	66	61	42
3.00	91	83	77	84	78	73	73	69	65	45
4.00	95	89	84	88	83	79	76	73	70	47
5.00	97	92	88	91	86	83	78	75	72	49
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:

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:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:



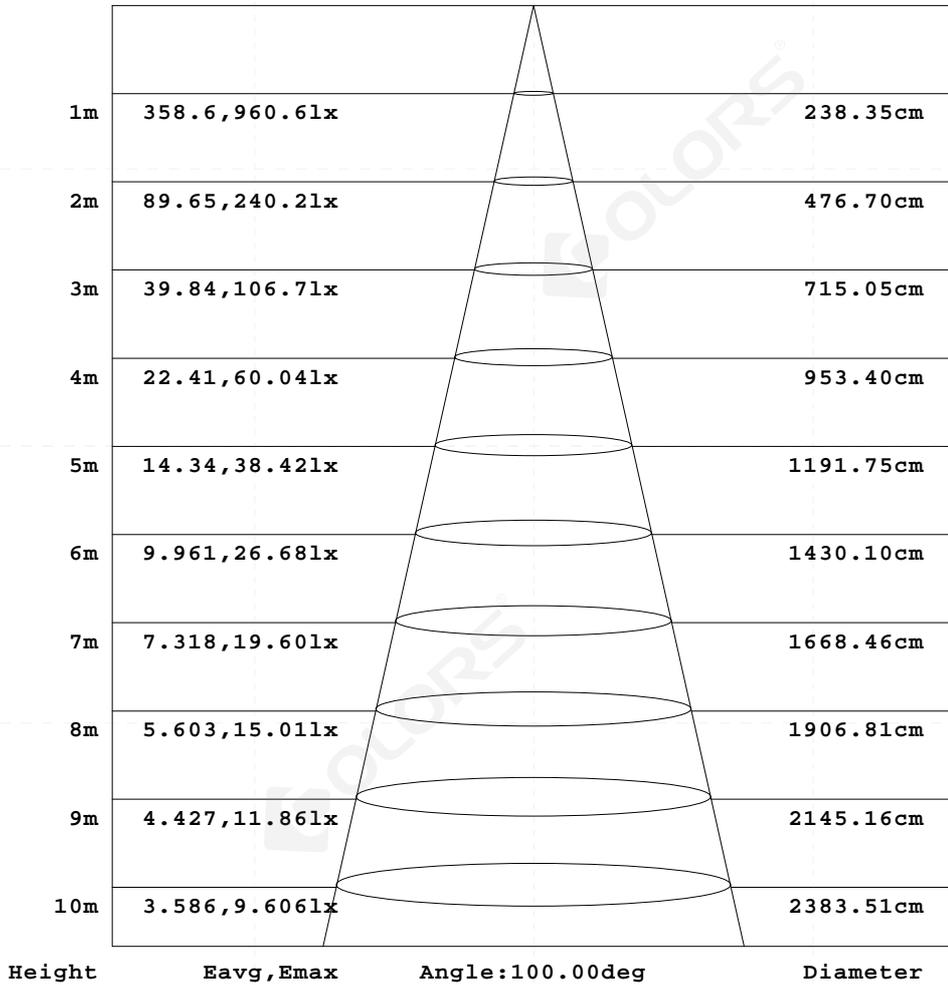
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:

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:

AAI Figure

Test:U:24.00V I:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

Flux out:1600 lm



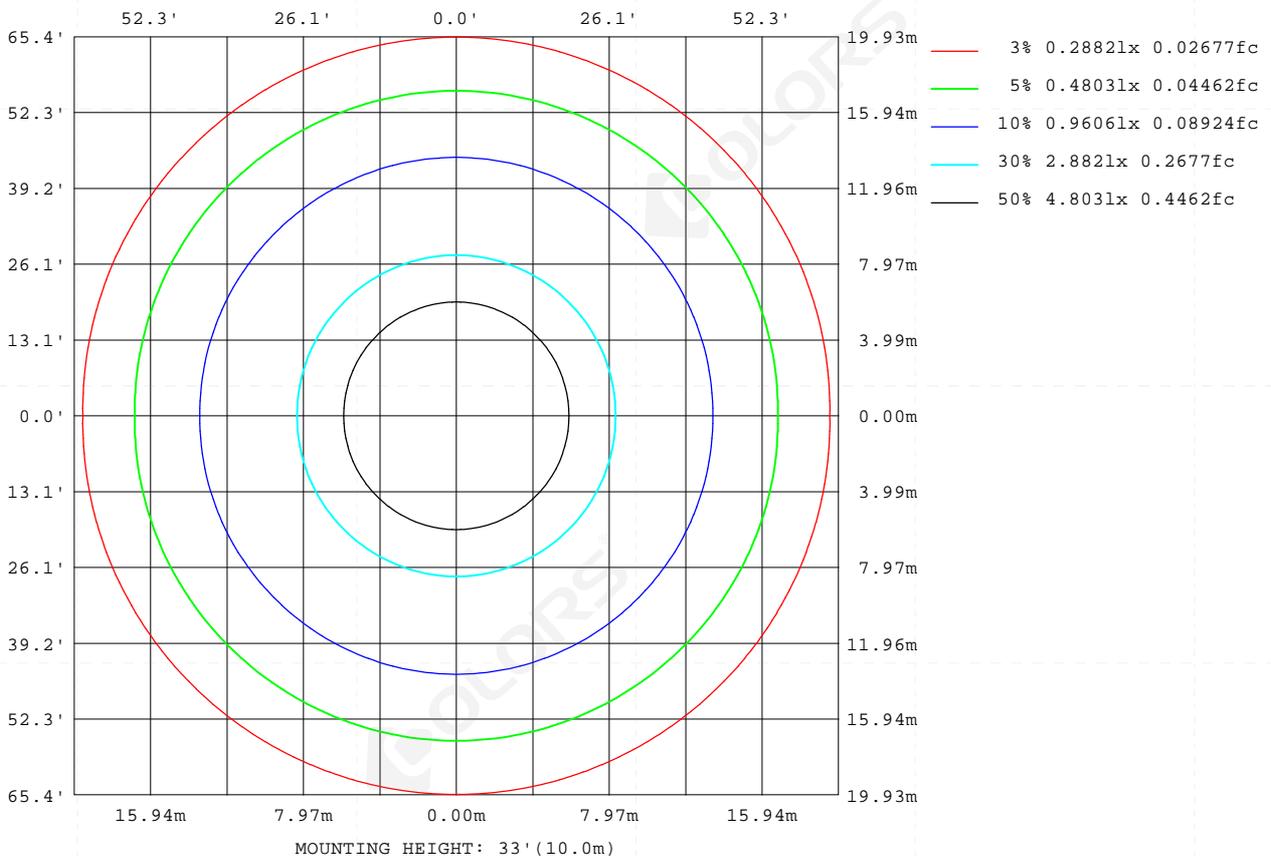
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 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:

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:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 lm		
NAME:	TYPE:01	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25	Shielding Angle:

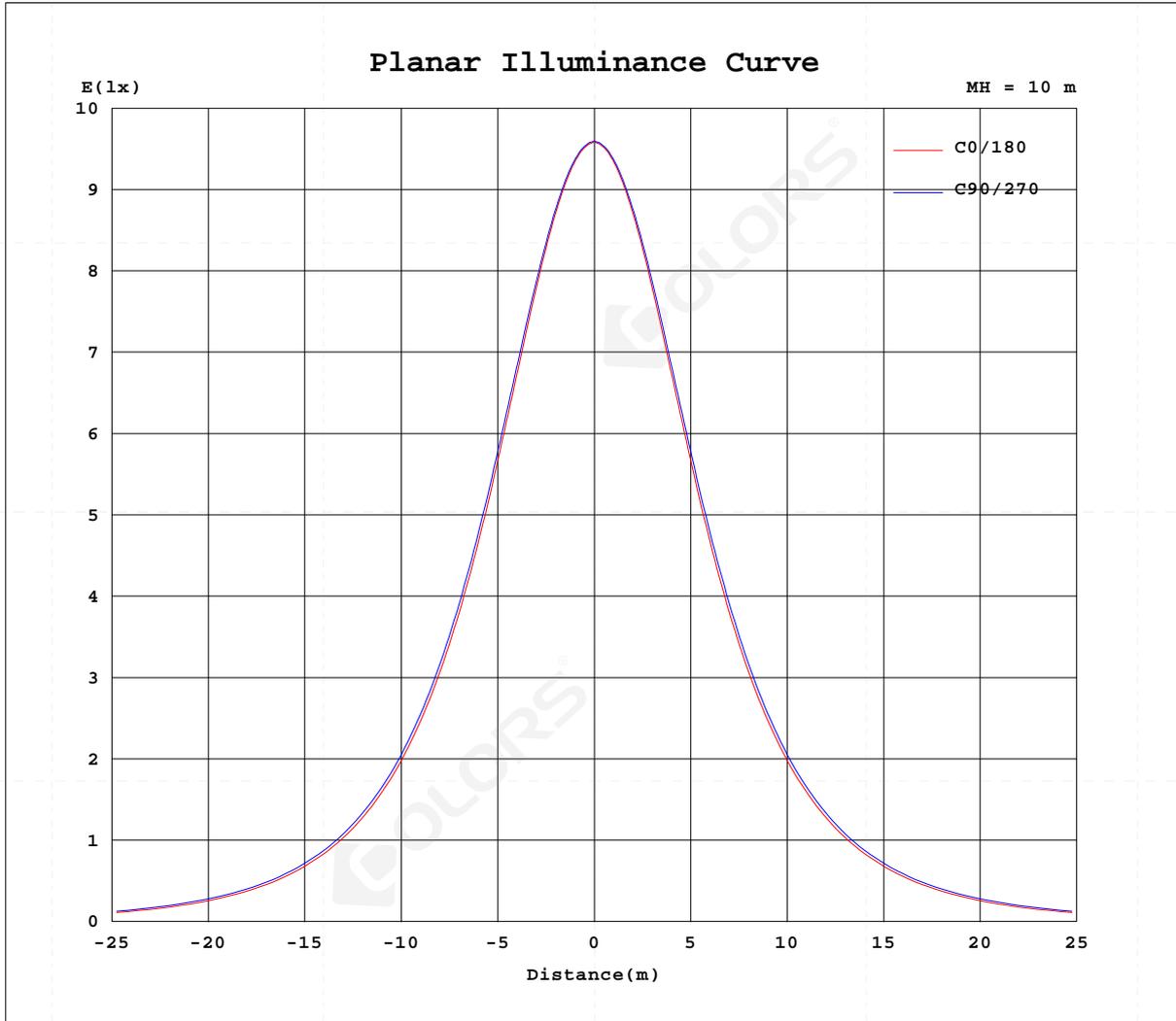
AvgL	cd/m2
L_0~180(65)av	21183
L_0~180(75)av	15555
L_0~180(85)av	5801
L_90~270(65)av	23178
L_90~270(75)av	19123
L_90~270(85)av	12030
L_45(65)av	22419
L_45(75)av	17436
L_45(85)av	7573

Standard: GB/T 29293-2012

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

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:

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:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 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	961	961	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	959
5	951	951	951	951	952	952	952	952	952	953	953	953	953	953	953	953	953	953	953
10	931	931	931	931	932	932	932	932	933	933	933	934	934	934	935	935	935	935	936
15	900	900	900	901	901	901	901	902	902	903	903	904	905	905	906	906	907	907	908
20	859	859	860	860	860	861	861	862	862	863	864	865	866	867	868	869	869	870	870
25	810	810	810	811	811	812	813	814	814	815	816	818	819	820	821	822	823	824	824
30	753	754	755	755	756	757	758	759	760	761	762	763	765	766	767	768	769	770	771
35	693	693	694	695	696	697	698	699	700	701	702	704	705	707	708	709	710	711	712
40	628	629	630	631	632	633	634	635	636	637	639	640	642	643	645	646	647	648	649
45	561	562	563	564	565	566	567	568	569	571	572	574	576	577	578	580	581	582	582
50	492	493	494	495	496	497	498	499	501	502	504	505	507	508	509	511	512	512	513
55	421	422	423	424	425	426	427	429	430	431	433	434	436	437	438	439	440	441	442
60	345	346	348	349	350	352	353	355	356	358	359	361	362	363	365	366	366	367	367
65	269	270	272	274	275	277	279	281	283	284	286	287	289	290	291	292	293	293	294
70	192	194	196	197	199	201	203	205	207	209	211	212	214	216	217	218	219	220	220
75	121	122	124	125	127	128	130	132	134	135	137	139	141	143	144	146	147	148	148
80	58.4	59.3	60.3	61.4	62.7	64.0	65.3	66.8	68.3	69.8	71.7	73.6	75.5	77.3	78.9	80.4	81.6	82.6	83.3
85	15.2	15.2	15.4	15.7	16.1	16.6	17.3	18.0	18.9	19.8	21.3	22.9	24.4	25.9	27.4	28.7	29.8	30.8	31.5
90	1.80	1.85	1.90	1.96	2.01	2.07	2.12	2.17	2.21	2.25	2.26	2.25	2.25	2.24	2.23	2.21	2.20	2.18	2.17
95	3.64	4.05	4.50	4.99	5.53	6.13	6.80	7.55	8.38	9.31	11.1	13.0	14.8	16.7	18.4	20.0	21.3	22.5	23.3
100	33.5	34.8	36.1	37.3	38.7	40.0	41.4	42.9	44.4	45.9	48.3	50.6	52.9	55.2	57.2	59.1	60.7	61.9	62.9
105	81.7	83.4	85.1	86.8	88.5	90.2	91.9	93.7	95.4	97.2	99.7	102	105	107	109	111	112	114	114
110	139	141	143	145	147	149	151	152	154	156	158	161	163	165	167	168	170	171	172
115	201	203	205	207	209	211	213	215	216	218	220	222	224	226	228	229	230	231	232
120	265	267	268	270	272	273	275	276	277	279	281	283	285	286	288	289	290	291	292
125	327	329	330	331	332	334	335	336	337	338	340	342	344	346	347	349	350	351	352
130	387	388	389	390	391	393	394	395	396	397	399	401	403	405	406	408	409	410	411
135	446	447	449	450	451	452	453	454	455	456	457	459	461	463	464	466	467	468	469
140	503	504	505	506	507	508	509	510	511	512	513	515	517	518	520	521	522	523	524
145	558	559	560	560	561	562	563	564	565	565	567	569	570	572	573	574	575	576	577
150	610	611	612	612	613	614	614	615	616	616	618	619	620	621	623	624	625	625	626
155	659	660	660	661	661	661	662	662	663	663	664	665	666	667	668	669	670	670	671
160	702	703	703	703	703	704	704	704	704	704	705	706	706	707	708	708	709	709	709
165	739	739	739	739	739	739	739	739	738	738	739	739	740	740	740	741	741	742	742
170	766	766	766	766	765	765	765	765	764	764	764	764	764	764	765	765	765	765	765
175	783	783	782	782	782	782	781	781	781	780	780	780	780	780	780	780	780	780	780
180	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776

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

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:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 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	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	961	961	961
5	953	953	953	953	953	953	953	953	953	952	952	952	952	952	951	951	951	951	951
10	935	935	935	935	934	934	934	933	933	933	932	932	932	932	931	931	931	931	931
15	907	907	906	906	905	905	904	903	903	902	902	901	901	901	901	900	900	900	900
20	870	869	869	868	867	866	865	864	863	862	862	861	861	860	860	860	859	859	859
25	824	823	822	821	820	819	818	816	815	814	814	813	812	811	811	810	810	810	810
30	770	769	768	767	766	765	763	762	761	760	759	758	757	756	755	755	754	753	754
35	711	710	709	708	707	705	704	702	701	700	699	698	697	696	695	694	693	693	693
40	648	647	646	645	643	642	640	639	637	636	635	634	633	632	631	630	629	628	629
45	582	581	580	578	577	576	574	572	571	569	568	567	566	565	564	563	562	561	562
50	512	512	511	509	508	507	505	504	502	501	499	498	497	496	495	494	493	492	493
55	441	440	439	438	437	436	434	433	431	430	429	427	426	425	424	423	422	421	422
60	367	366	366	365	363	362	361	359	358	356	355	353	352	350	349	348	346	345	346
65	293	293	292	291	290	289	287	286	284	283	281	279	277	275	274	272	270	269	270
70	220	219	218	217	216	214	212	211	209	207	205	203	201	199	197	196	194	192	194
75	148	147	146	144	143	141	139	137	135	134	132	130	128	127	125	124	122	121	122
80	82.6	81.6	80.4	78.9	77.3	75.5	73.6	71.7	69.8	68.3	66.8	65.3	64.0	62.7	61.4	60.3	59.3	58.4	59.3
85	30.8	29.8	28.7	27.4	25.9	24.4	22.9	21.3	19.8	18.9	18.0	17.3	16.6	16.1	15.7	15.4	15.2	15.2	15.2
90	2.18	2.20	2.21	2.23	2.24	2.25	2.25	2.26	2.25	2.21	2.17	2.12	2.07	2.01	1.96	1.90	1.85	1.80	1.85
95	22.5	21.3	20.0	18.4	16.7	14.8	13.0	11.1	9.31	8.38	7.55	6.80	6.13	5.53	4.99	4.50	4.05	3.64	4.05
100	61.9	60.7	59.1	57.2	55.2	52.9	50.6	48.3	45.9	44.4	42.9	41.4	40.0	38.7	37.3	36.1	34.8	33.5	34.8
105	114	112	111	109	107	105	102	99.7	97.2	95.4	93.7	91.9	90.2	88.5	86.8	85.1	83.4	81.7	83.4
110	171	170	168	167	165	163	161	158	156	154	152	151	149	147	145	143	141	139	141
115	231	230	229	228	226	224	222	220	218	216	215	213	211	209	207	205	203	201	203
120	291	290	289	288	286	285	283	281	279	277	276	275	273	272	270	268	267	265	267
125	351	350	349	347	346	344	342	340	338	337	336	335	334	332	331	330	329	327	329
130	410	409	408	406	405	403	401	399	397	396	395	394	393	391	390	389	388	387	388
135	468	467	466	464	463	461	459	457	456	455	454	453	452	451	450	449	447	446	447
140	523	522	521	520	518	517	515	513	512	511	510	509	508	507	506	505	504	503	504
145	576	575	574	573	572	570	569	567	565	565	564	563	562	561	560	560	559	558	559
150	625	625	624	623	621	620	619	618	616	616	615	614	614	613	612	612	611	610	611
155	670	670	669	668	667	666	665	664	663	663	662	662	661	661	661	660	660	659	660
160	709	709	708	708	707	706	706	705	704	704	704	704	704	703	703	703	703	702	703
165	742	741	741	740	740	740	739	739	738	738	739	739	739	739	739	739	739	739	739
170	765	765	765	765	764	764	764	764	764	764	765	765	765	765	766	766	766	766	766
175	780	780	780	780	780	780	780	780	780	781	781	781	782	782	782	782	783	783	783
180	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776

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

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:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 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	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	960	959	960	960
5	951	951	952	952	952	952	952	953	953	953	953	953	953	953	953	953	953	953	953
10	931	931	932	932	932	932	933	933	933	934	934	934	935	935	935	935	936	935	935
15	900	901	901	901	901	902	902	903	903	904	905	905	906	906	907	907	908	907	907
20	860	860	860	861	861	862	862	863	864	865	866	867	868	869	869	870	870	870	869
25	810	811	811	812	813	814	814	815	816	818	819	820	821	822	823	824	824	824	823
30	755	755	756	757	758	759	760	761	762	763	765	766	767	768	769	770	771	770	769
35	694	695	696	697	698	699	700	701	702	704	705	707	708	709	710	711	712	711	710
40	630	631	632	633	634	635	636	637	639	640	642	643	645	646	647	648	649	648	647
45	563	564	565	566	567	568	569	571	572	574	576	577	578	580	581	582	582	582	581
50	494	495	496	497	498	499	501	502	504	505	507	508	509	511	512	512	513	512	512
55	423	424	425	426	427	429	430	431	433	434	436	437	438	439	440	441	442	441	440
60	348	349	350	352	353	355	356	358	359	361	362	363	365	366	366	367	367	367	366
65	272	274	275	277	279	281	283	284	286	287	289	290	291	292	293	293	294	293	293
70	196	197	199	201	203	205	207	209	211	212	214	216	217	218	219	220	220	220	219
75	124	125	127	128	130	132	134	135	137	139	141	143	144	146	147	148	148	148	147
80	60.3	61.4	62.7	64.0	65.3	66.8	68.3	69.8	71.7	73.6	75.5	77.3	78.9	80.4	81.6	82.6	83.3	82.6	81.6
85	15.4	15.7	16.1	16.6	17.3	18.0	18.9	19.8	21.3	22.9	24.4	25.9	27.4	28.7	29.8	30.8	31.5	30.8	29.8
90	1.90	1.96	2.01	2.07	2.12	2.17	2.21	2.25	2.26	2.25	2.25	2.24	2.24	2.21	2.20	2.18	2.17	2.18	2.20
95	4.50	4.99	5.53	6.13	6.80	7.55	8.38	9.31	11.1	13.0	14.8	16.7	18.4	20.0	21.3	22.5	23.3	22.5	21.3
100	36.1	37.3	38.7	40.0	41.4	42.9	44.4	45.9	48.3	50.6	52.9	55.2	57.2	59.1	60.7	61.9	62.9	61.9	60.7
105	85.1	86.8	88.5	90.2	91.9	93.7	95.4	97.2	99.7	102	105	107	109	111	112	114	114	114	112
110	143	145	147	149	151	152	154	156	158	161	163	165	167	168	170	171	172	171	170
115	205	207	209	211	213	215	216	218	220	222	224	226	228	229	230	231	232	231	230
120	268	270	272	273	275	276	277	279	281	283	285	286	288	289	290	291	292	291	290
125	330	331	332	334	335	336	337	338	340	342	344	346	347	349	350	351	352	351	350
130	389	390	391	393	394	395	396	397	399	401	403	405	406	408	409	410	411	410	409
135	449	450	451	452	453	454	455	456	457	459	461	463	464	466	467	468	469	468	467
140	505	506	507	508	509	510	511	512	513	515	517	518	520	521	522	523	524	523	522
145	560	560	561	562	563	564	565	565	567	569	570	572	573	574	575	576	577	576	575
150	612	612	613	614	614	615	616	616	618	619	620	621	623	624	625	625	626	625	625
155	660	661	661	661	662	662	663	663	664	665	666	667	668	669	670	670	671	670	670
160	703	703	703	704	704	704	704	704	705	706	706	707	708	708	709	709	709	709	709
165	739	739	739	739	739	739	738	738	739	739	740	740	740	741	741	742	742	742	741
170	766	766	765	765	765	765	764	764	764	764	764	764	765	765	765	765	765	765	765
175	782	782	782	782	781	781	781	780	780	780	780	780	780	780	780	780	780	780	780
180	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776

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

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:2.010A P:48.20W PF:1.000 Freq:0Hz Lamp Flux:4374.49x1 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	960	960	960	960	960	960	960	960	960	960	960	960	960	960	961			
5	953	953	953	953	953	953	953	952	952	952	952	952	951	951	951			
10	935	935	934	934	934	933	933	933	932	932	932	932	931	931	931			
15	906	906	905	905	904	903	903	902	902	901	901	901	901	900	900			
20	869	868	867	866	865	864	863	862	862	861	861	860	860	860	859			
25	822	821	820	819	818	816	815	814	814	813	812	811	811	810	810			
30	768	767	766	765	763	762	761	760	759	758	757	756	755	755	754			
35	709	708	707	705	704	702	701	700	699	698	697	696	695	694	693			
40	646	645	643	642	640	639	637	636	635	634	633	632	631	630	629			
45	580	578	577	576	574	572	571	569	568	567	566	565	564	563	562			
50	511	509	508	507	505	504	502	501	499	498	497	496	495	494	493			
55	439	438	437	436	434	433	431	430	429	427	426	425	424	423	422			
60	366	365	363	362	361	359	358	356	355	353	352	350	349	348	346			
65	292	291	290	289	287	286	284	283	281	279	277	275	274	272	270			
70	218	217	216	214	212	211	209	207	205	203	201	199	197	196	194			
75	146	144	143	141	139	137	135	134	132	130	128	127	125	124	122			
80	80.4	78.9	77.3	75.5	73.6	71.7	69.8	68.3	66.8	65.3	64.0	62.7	61.4	60.3	59.3			
85	28.7	27.4	25.9	24.4	22.9	21.3	19.8	18.9	18.0	17.3	16.6	16.1	15.7	15.4	15.2			
90	2.21	2.23	2.24	2.25	2.25	2.26	2.25	2.21	2.17	2.12	2.07	2.01	1.96	1.90	1.85			
95	20.0	18.4	16.7	14.8	13.0	11.1	9.31	8.38	7.55	6.80	6.13	5.53	4.99	4.50	4.05			
100	59.1	57.2	55.2	52.9	50.6	48.3	45.9	44.4	42.9	41.4	40.0	38.7	37.3	36.1	34.8			
105	111	109	107	105	102	99.7	97.2	95.4	93.7	91.9	90.2	88.5	86.8	85.1	83.4			
110	168	167	165	163	161	158	156	154	152	151	149	147	145	143	141			
115	229	228	226	224	222	220	218	216	215	213	211	209	207	205	203			
120	289	288	286	285	283	281	279	277	276	275	273	272	270	268	267			
125	349	347	346	344	342	340	338	337	336	335	334	332	331	330	329			
130	408	406	405	403	401	399	397	396	395	394	393	391	390	389	388			
135	466	464	463	461	459	457	456	455	454	453	452	451	450	449	447			
140	521	520	518	517	515	513	512	511	510	509	508	507	506	505	504			
145	574	573	572	570	569	567	565	565	564	563	562	561	560	560	559			
150	624	623	621	620	619	618	616	616	615	614	614	613	612	612	611			
155	669	668	667	666	665	664	663	663	662	662	661	661	661	660	660			
160	708	708	707	706	706	705	704	704	704	704	704	703	703	703	703			
165	741	740	740	740	739	739	738	738	739	739	739	739	739	739	739			
170	765	765	764	764	764	764	764	764	765	765	765	765	766	766	766			
175	780	780	780	780	780	780	780	781	781	781	782	782	782	782	783			
180	776	776	776	776	776	776	776	776	776	776	776	776	776	776	776			

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

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: