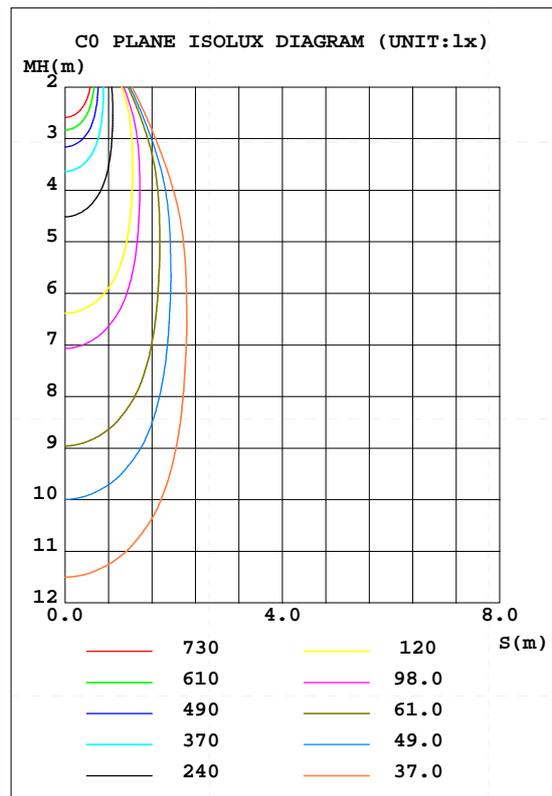
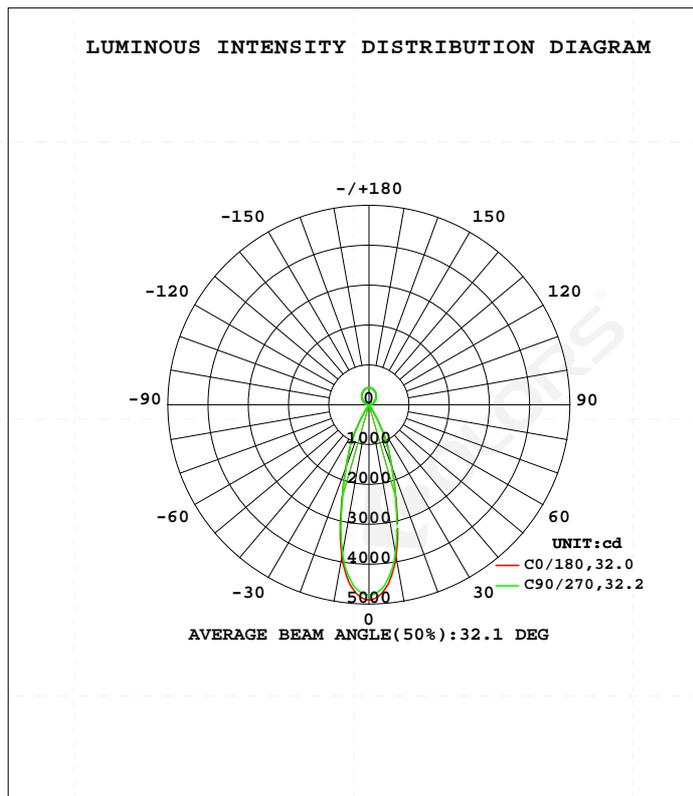


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:1.617A P:38.60W PF:1.000 Freq:0Hz Lamp Flux:2822.97x1 lm		
NAME: LLS-LH25GFXBS1100(A)-R40NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1100*20mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.13 lm/W			
MODEL		I _{max} (cd)	4893	S/MH(C0/180)	0.53
NOMINAL POWER(W)	38.6	LOR(%)	100.0	S/MH(C90/270)	0.54
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2823.0	h UP, DN(C0-180)	19.4, 30.6
NOMINAL FLUX(lm)	2822.97	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	19.4, 30.6
LAMPS INSIDE	1	h up(%)	38.8	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	h down(%)	61.2	CIBSE SHR MAX	0.60



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:

ZONAL FLUX DIAGRAM

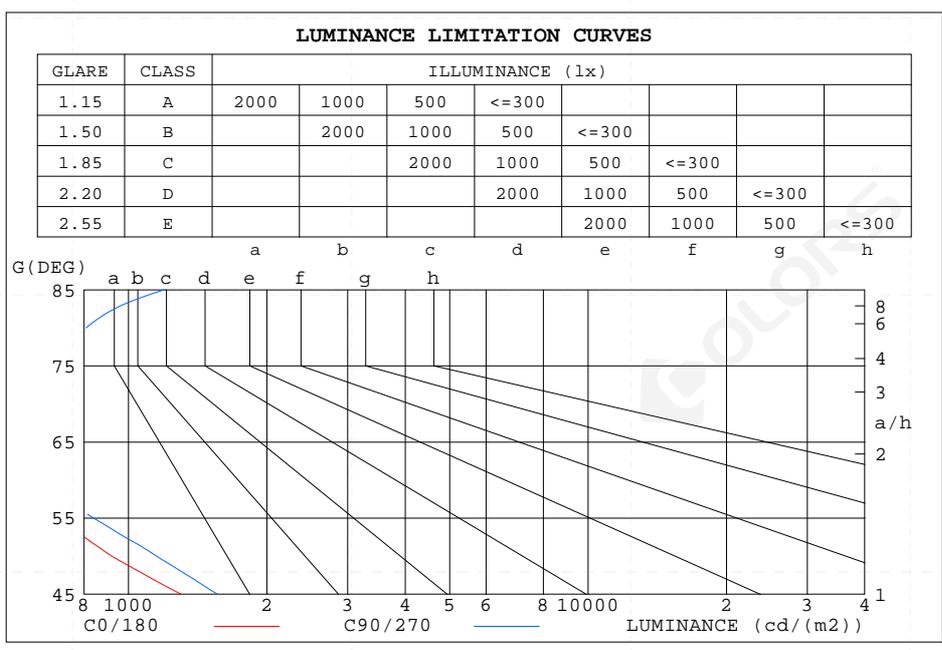
ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	3880	3851	3782	3851	3880	3851	3782	3851	0- 10	414.6	414.6	14.7,14.7
20	1685	1709	1684	1709	1685	1709	1684	1709	10- 20	733.9	1148	40.7,40.7
30	392.6	422.8	423.2	422.8	392.6	422.8	423.2	422.8	20- 30	458.6	1607	56.9,56.9
40	32.98	37.63	38.31	37.63	32.98	37.63	38.31	37.63	30- 40	83.55	1691	59.9,59.9
50	13.02	15.02	16.27	15.02	13.02	15.02	16.27	15.02	40- 50	18.14	1709	60.5,60.5
60	5.228	5.948	6.956	5.948	5.228	5.948	6.956	5.948	50- 60	8.731	1717	60.8,60.8
70	3.390	3.932	4.805	3.932	3.390	3.932	4.805	3.932	60- 70	4.831	1722	61,61
80	2.060	2.468	3.090	2.468	2.060	2.468	3.090	2.468	70- 80	3.433	1726	61.1,61.1
90	1.128	1.402	1.469	1.402	1.128	1.402	1.469	1.402	80- 90	2.071	1728	61.2,61.2
100	21.00	31.22	35.52	31.22	21.00	31.22	35.52	31.22	90-100	12.03	1740	61.6,61.6
110	80.96	93.23	96.87	93.23	80.96	93.23	96.87	93.23	100-110	62.81	1803	63.9,63.9
120	150.9	160.6	163.8	160.6	150.9	160.6	163.8	160.6	110-120	124.1	1927	68.3,68.3
130	218.3	226.9	230.3	226.9	218.3	226.9	230.3	226.9	120-130	172.5	2099	74.4,74.4
140	281.4	288.7	292.1	288.7	281.4	288.7	292.1	288.7	130-140	198.7	2298	81.4,81.4
150	339.2	344.6	347.3	344.6	339.2	344.6	347.3	344.6	140-150	198.3	2496	88.4,88.4
160	390.0	392.3	393.2	392.3	390.0	392.3	393.2	392.3	150-160	170.3	2667	94.5,94.5
170	424.6	422.6	422.4	422.6	424.6	422.6	422.4	422.6	160-170	115.5	2782	98.6,98.6
180	438.2	438.2	438.2	438.2	438.2	438.2	438.2	438.2	170-180	40.92	2823	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



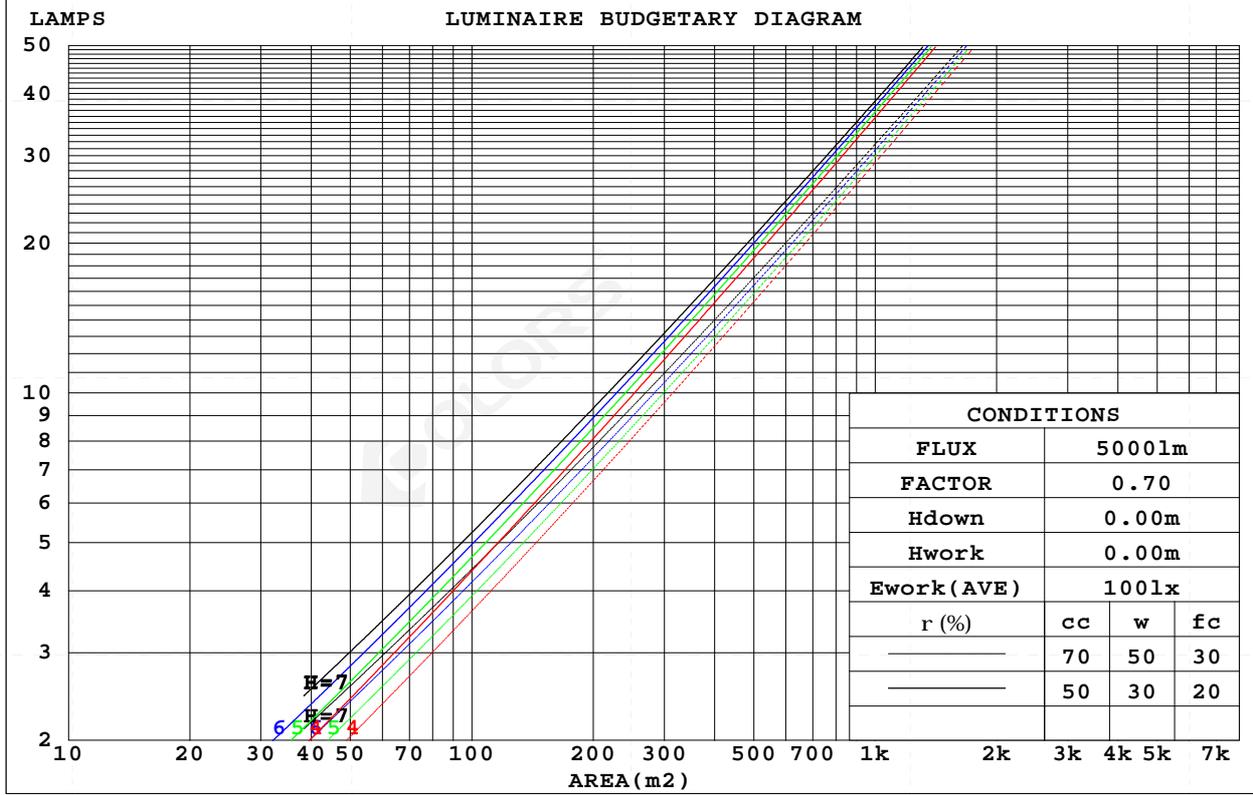
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	822	1200
80	539	809
75	476	695
70	451	639
65	448	618
60	475	632
55	688	841
50	920	1151
45	1305	1565

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

rcc	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	1.10	1.10	1.10	1.03	1.03	1.03	.90	.90	.90	.77	.77	.77	.66	.66	.66	.61
1.0	1.01	.98	.96	.95	.93	.90	.84	.82	.81	.73	.72	.71	.64	.63	.63	.58
2.0	.93	.89	.85	.88	.84	.81	.78	.76	.74	.70	.68	.66	.62	.61	.60	.56
3.0	.86	.81	.77	.82	.78	.74	.74	.71	.68	.66	.64	.62	.59	.58	.57	.53
4.0	.80	.75	.71	.77	.72	.68	.70	.66	.63	.63	.61	.59	.57	.55	.54	.51
5.0	.75	.70	.65	.72	.67	.63	.66	.62	.59	.60	.58	.55	.55	.53	.52	.49
6.0	.71	.65	.61	.68	.63	.59	.63	.59	.56	.58	.55	.53	.53	.51	.49	.47
7.0	.67	.61	.57	.64	.59	.56	.60	.56	.53	.55	.52	.50	.51	.49	.47	.45
8.0	.63	.58	.54	.61	.56	.53	.57	.53	.50	.53	.50	.48	.49	.47	.45	.44
9.0	.60	.55	.51	.58	.53	.50	.55	.51	.48	.51	.48	.46	.48	.45	.44	.42
10.0	.57	.52	.49	.56	.51	.48	.52	.48	.46	.49	.46	.44	.46	.44	.42	.41



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

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	.192	.109	.035	.174	.099	.031	.139	.080	.025	.107	.062	.020	.078	.045	.015	
2.0	.178	.098	.030	.161	.089	.027	.130	.072	.023	.102	.057	.018	.075	.043	.013	
3.0	.166	.088	.026	.151	.081	.024	.123	.066	.020	.097	.053	.016	.072	.040	.012	
4.0	.155	.080	.024	.141	.074	.022	.116	.061	.018	.092	.049	.015	.070	.038	.012	
5.0	.145	.074	.021	.133	.068	.020	.109	.057	.017	.088	.046	.014	.067	.036	.011	
6.0	.136	.068	.020	.125	.063	.018	.104	.053	.015	.084	.043	.013	.065	.034	.010	
7.0	.129	.064	.018	.118	.059	.017	.099	.050	.014	.080	.041	.012	.063	.032	.010	
8.0	.122	.060	.017	.112	.055	.016	.094	.047	.013	.077	.039	.011	.060	.031	.009	
9.0	.116	.056	.016	.107	.052	.015	.090	.044	.013	.074	.037	.011	.058	.030	.009	
10.0	.110	.053	.015	.102	.049	.014	.086	.042	.012	.071	.035	.010	.056	.028	.008	

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	.486	.486	.486	.415	.415	.415	.284	.284	.284	.163	.163	.163	.052	.052	.052	
1.0	.470	.455	.442	.402	.391	.380	.275	.269	.263	.158	.156	.153	.051	.050	.049	
2.0	.457	.432	.412	.391	.372	.356	.268	.258	.248	.155	.150	.146	.050	.048	.047	
3.0	.446	.415	.391	.382	.358	.339	.262	.249	.238	.152	.145	.140	.049	.047	.046	
4.0	.436	.402	.375	.375	.347	.326	.258	.242	.230	.149	.142	.136	.048	.046	.045	
5.0	.428	.391	.364	.368	.338	.317	.253	.236	.224	.147	.139	.133	.047	.045	.044	
6.0	.421	.383	.355	.362	.331	.309	.250	.232	.219	.145	.136	.130	.047	.045	.043	
7.0	.415	.376	.348	.357	.326	.304	.246	.228	.215	.143	.135	.128	.046	.044	.042	
8.0	.409	.370	.343	.352	.321	.299	.244	.225	.212	.142	.133	.126	.046	.044	.042	
9.0	.404	.365	.339	.348	.317	.296	.241	.223	.210	.140	.132	.125	.045	.043	.041	
10.0	.399	.361	.335	.344	.313	.293	.239	.221	.208	.139	.130	.124	.045	.043	.041	

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

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	-0.9	-0.2	-0.2	0.4	1.2	-0.2	0.5	0.5	1.2	2.0
	3H	-1.0	-0.4	-0.2	0.3	1.2	-0.2	0.4	0.6	1.2	2.0
	4H	-1.0	-0.4	-0.2	0.3	1.2	-0.1	0.5	0.7	1.2	2.1
	6H	-1.0	-0.4	-0.2	0.3	1.3	0.1	0.6	0.9	1.4	2.3
	8H	-0.9	-0.4	-0.1	0.4	1.3	0.2	0.7	1.0	1.4	2.4
	12H	-0.9	-0.4	-0.0	0.4	1.4	0.3	0.8	1.1	1.6	2.5
4H	2H	-1.2	-0.6	-0.4	0.1	1.0	-0.5	0.1	0.3	0.8	1.7
	3H	-1.2	-0.7	-0.4	0.1	1.0	-0.4	0.1	0.4	0.9	1.8
	4H	-1.1	-0.7	-0.3	0.1	1.1	-0.2	0.2	0.6	1.0	2.0
	6H	-1.0	-0.6	-0.1	0.2	1.3	0.1	0.4	0.9	1.3	2.3
	8H	-0.9	-0.5	-0.0	0.3	1.4	0.2	0.6	1.1	1.5	2.5
	12H	-0.8	-0.4	0.1	0.4	1.5	0.5	0.8	1.4	1.7	2.8
8H	4H	-1.2	-0.8	-0.3	0.0	1.1	-0.3	0.0	0.6	0.9	1.9
	6H	-0.9	-0.7	-0.0	0.2	1.3	0.1	0.4	1.0	1.3	2.4
	8H	-0.8	-0.5	0.2	0.4	1.5	0.4	0.6	1.3	1.5	2.7
	12H	-0.5	-0.3	0.4	0.6	1.8	0.8	1.0	1.7	1.9	3.1
12H	4H	-1.2	-0.9	-0.3	-0.0	1.0	-0.4	-0.1	0.5	0.8	1.9
	6H	-0.9	-0.7	-0.0	0.2	1.4	0.1	0.3	1.0	1.2	2.4
	8H	-0.7	-0.5	0.2	0.4	1.6	0.4	0.6	1.3	1.5	2.7
Variations with the observer position at spacings:											
S = 1.0H		+ 1.0 / - 1.2					+ 1.0 / - 0.9				
1.5H		+ 1.9 / - 0.9					+ 1.9 / - 0.8				
2.0H		+ 1.4 / - 0.8					+ 1.3 / - 0.6				

CIE Pub.117, 2823 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.6)

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:

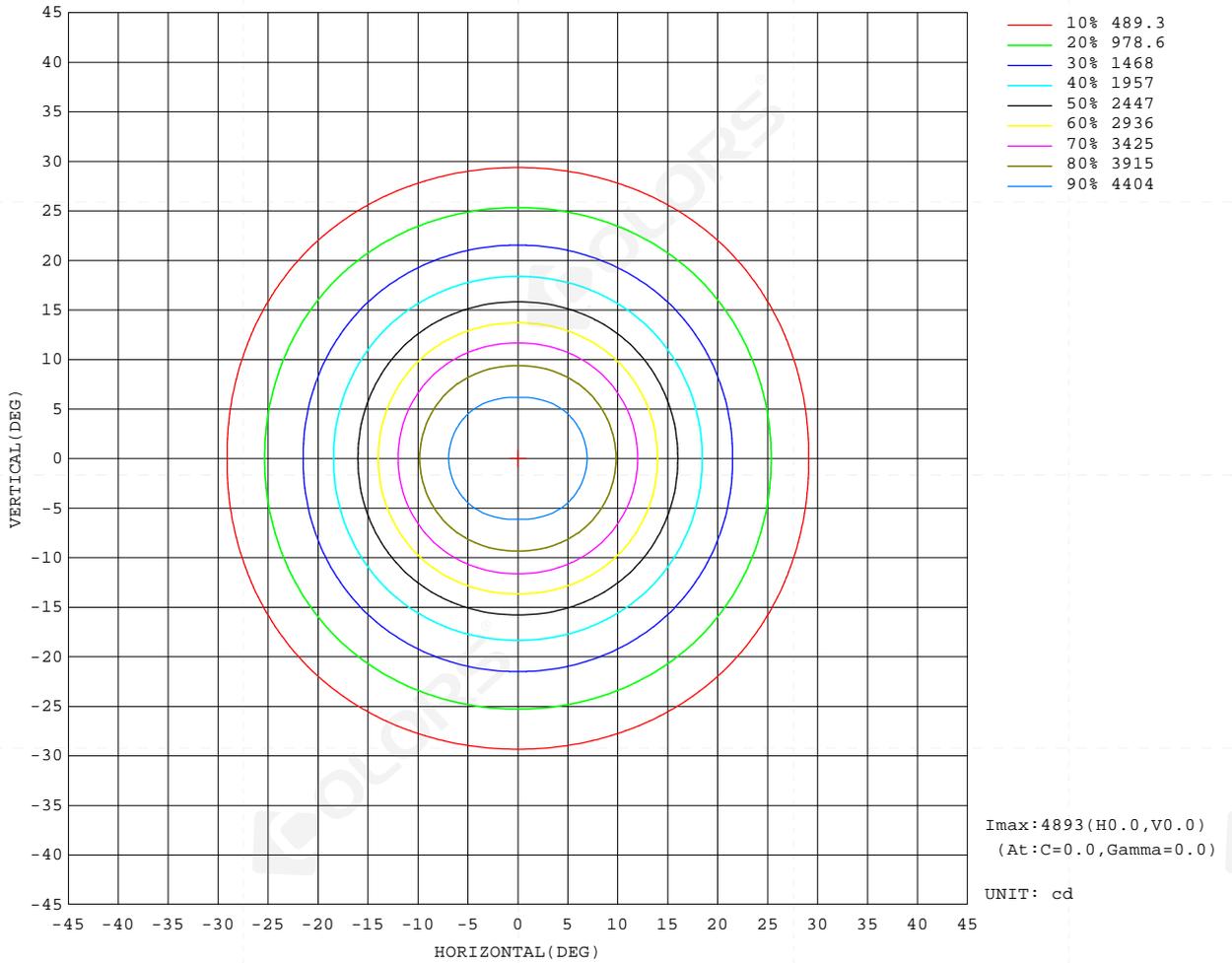
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
k = 0.60	67	59	55	65	58	54	62	56	53	47
0.80	75	67	62	72	65	61	68	62	59	52
1.00	80	72	67	77	70	66	71	66	63	54
1.25	85	77	73	81	75	70	74	70	67	56
1.50	88	81	77	84	78	74	77	73	70	58
2.00	93	86	82	88	83	79	79	76	73	58
2.50	95	90	85	90	86	82	81	78	75	59
3.00	98	93	88	92	88	85	82	80	77	59
4.00	101	96	93	95	91	89	84	82	80	60
5.00	103	99	96	97	94	91	86	84	82	61
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:

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:

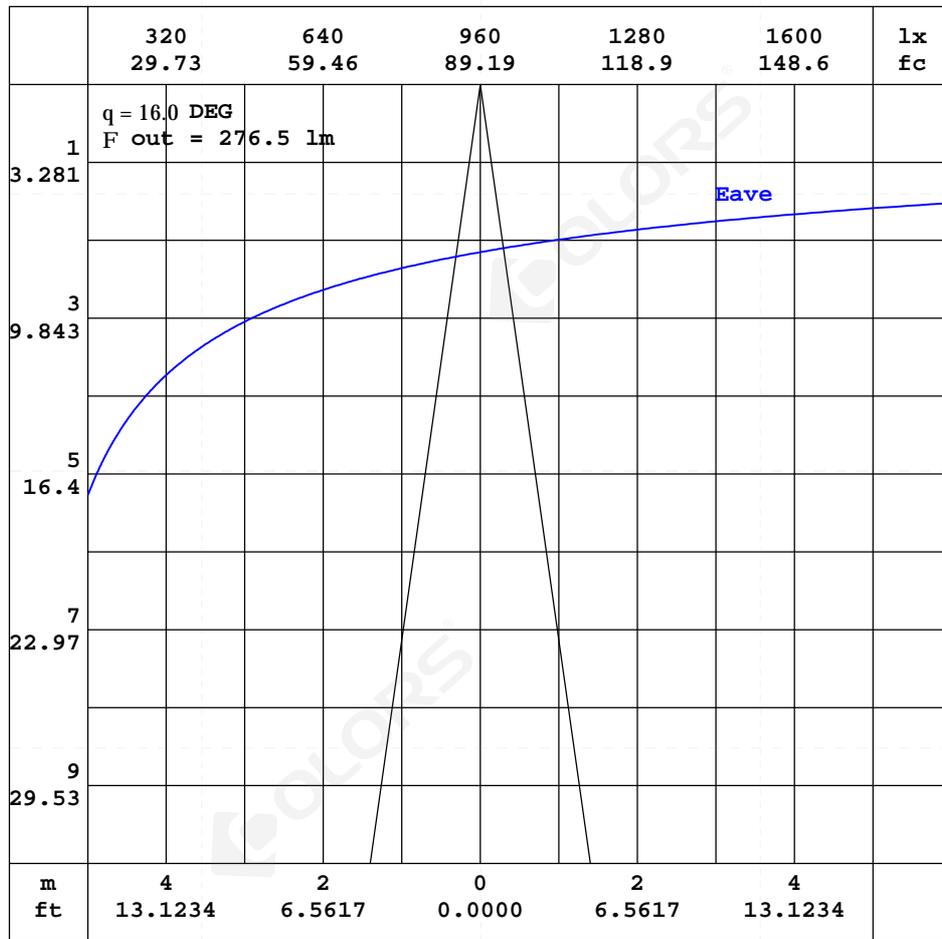
ISOCANDELA DIAGRAM



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:

AAI CURVES

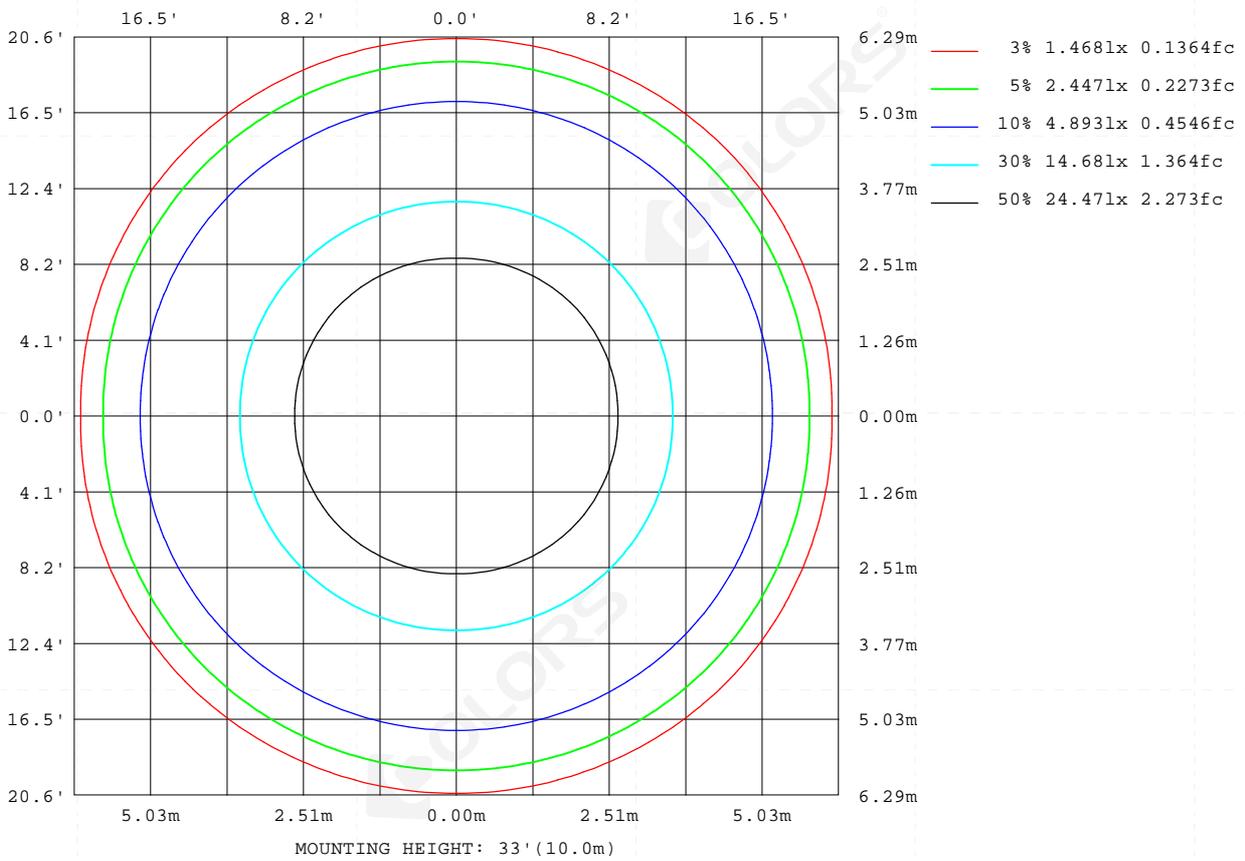


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

deg 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



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:1.617A P:38.60W PF:1.000 Freq:0Hz Lamp Flux:2822.97x1 lm		
NAME: LLS-LH25GFXBS1100(A)-F40NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1100*20mm	Shielding Angle:

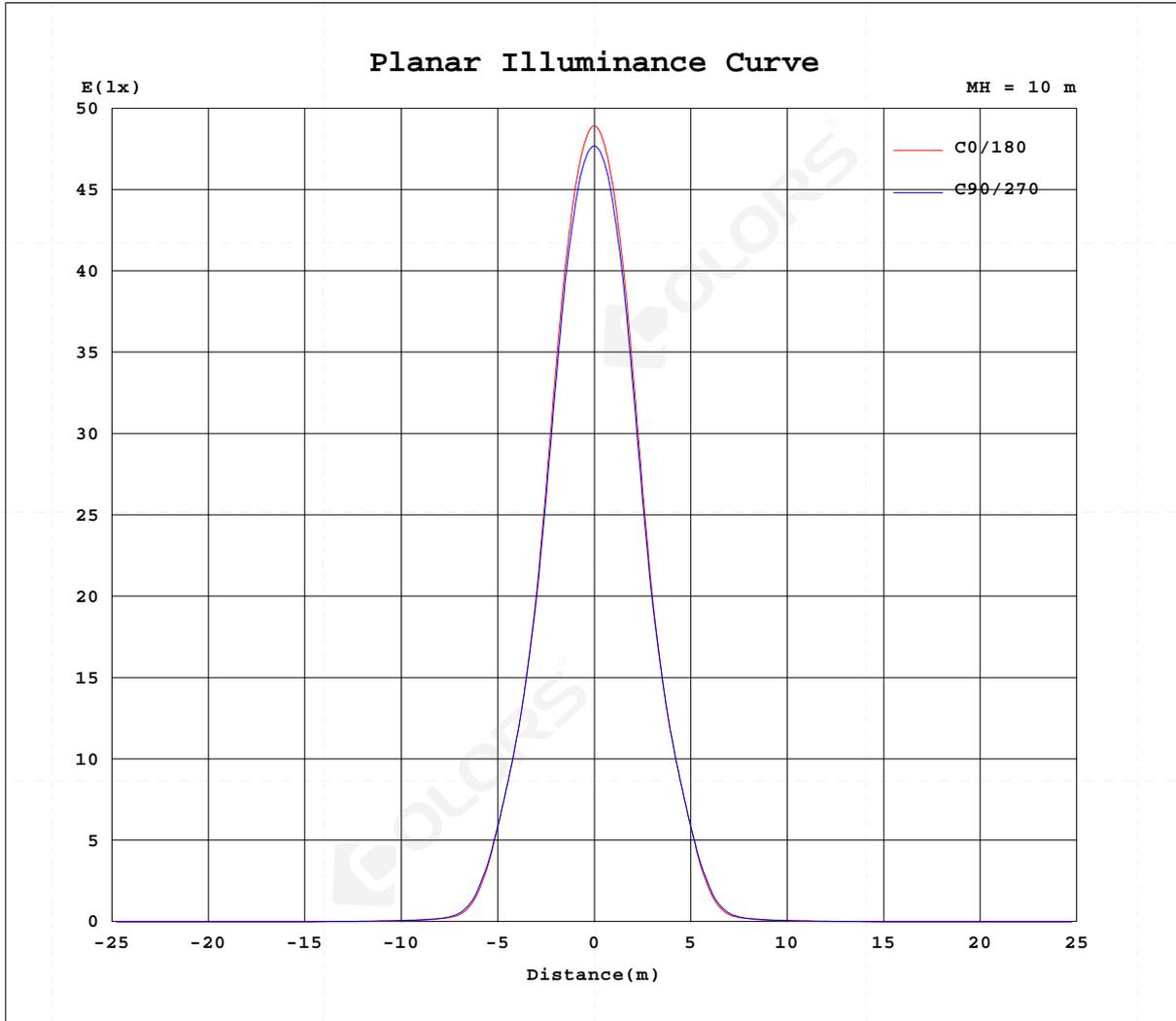
AvgL	cd/m2
L_0~180(65)av	448
L_0~180(75)av	476
L_0~180(85)av	822
L_90~270(65)av	618
L_90~270(75)av	695
L_90~270(85)av	1200
L_45(65)av	510
L_45(75)av	559
L_45(85)av	969

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

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	4893	4889	4885	4880	4874	4868	4861	4854	4847	4839	4830	4820	4811	4801	4793	4786	4779	4774	4770
5	4639	4636	4633	4628	4624	4619	4613	4608	4602	4595	4587	4579	4572	4564	4557	4551	4546	4541	4538
10	3880	3879	3878	3876	3873	3870	3866	3862	3857	3851	3842	3833	3824	3815	3806	3798	3792	3786	3782
15	2683	2685	2687	2688	2688	2688	2688	2687	2685	2683	2676	2668	2661	2653	2646	2639	2633	2628	2624
20	1685	1688	1692	1695	1699	1702	1704	1706	1708	1709	1707	1704	1701	1698	1695	1692	1689	1686	1684
25	1023	1024	1025	1026	1027	1028	1029	1029	1029	1029	1028	1027	1025	1024	1022	1021	1019	1018	1017
30	393	396	400	403	407	410	414	417	420	423	424	424	425	425	425	425	424	424	423
35	80.4	83.3	86.3	89.2	92.1	95.0	97.6	100	102	104	104	104	103	102	101	100	99.0	98.0	97.1
40	33.0	33.5	34.0	34.5	35.0	35.6	36.1	36.7	37.2	37.6	37.9	38.0	38.2	38.3	38.3	38.4	38.4	38.4	38.3
45	20.3	20.6	20.9	21.2	21.5	21.8	22.2	22.5	22.9	23.2	23.4	23.6	23.8	23.9	24.1	24.2	24.3	24.3	24.3
50	13.0	13.2	13.4	13.6	13.8	14.0	14.3	14.5	14.8	15.0	15.2	15.4	15.6	15.8	15.9	16.0	16.1	16.2	16.3
55	8.69	8.71	8.76	8.82	8.90	8.99	9.10	9.21	9.33	9.46	9.62	9.78	9.93	10.1	10.2	10.4	10.5	10.5	10.6
60	5.23	5.26	5.30	5.36	5.43	5.52	5.61	5.72	5.83	5.95	6.09	6.23	6.37	6.50	6.62	6.73	6.82	6.90	6.96
65	4.17	4.18	4.21	4.25	4.30	4.37	4.45	4.54	4.64	4.74	4.87	5.01	5.15	5.28	5.40	5.51	5.61	5.69	5.74
70	3.39	3.40	3.43	3.47	3.53	3.59	3.67	3.75	3.84	3.93	4.05	4.17	4.29	4.40	4.51	4.61	4.69	4.76	4.81
75	2.71	2.72	2.75	2.78	2.83	2.88	2.95	3.02	3.10	3.18	3.29	3.39	3.50	3.60	3.69	3.78	3.85	3.91	3.96
80	2.06	2.07	2.09	2.13	2.17	2.22	2.27	2.33	2.40	2.47	2.55	2.64	2.72	2.80	2.88	2.95	3.01	3.06	3.09
85	1.58	1.58	1.59	1.61	1.64	1.68	1.72	1.76	1.81	1.86	1.92	1.98	2.04	2.10	2.15	2.20	2.24	2.28	2.30
90	1.13	1.14	1.17	1.19	1.23	1.26	1.30	1.33	1.37	1.40	1.42	1.43	1.44	1.45	1.46	1.47	1.47	1.47	1.47
95	3.10	3.69	4.32	4.98	5.66	6.36	7.06	7.76	8.45	9.11	9.70	10.2	10.8	11.2	11.6	12.0	12.2	12.4	12.6
100	21.0	22.2	23.4	24.6	25.8	26.9	28.1	29.2	30.2	31.2	32.0	32.8	33.4	34.0	34.5	34.9	35.2	35.4	35.5
105	48.6	50.0	51.5	52.9	54.3	55.6	56.9	58.1	59.3	60.4	61.3	62.0	62.7	63.3	63.8	64.2	64.4	64.6	64.7
110	81.0	82.5	84.0	85.5	86.9	88.3	89.7	91.0	92.1	93.2	94.0	94.7	95.3	95.8	96.2	96.5	96.7	96.9	96.9
115	116	117	118	120	121	123	124	125	126	127	128	128	129	129	130	130	130	130	130
120	151	152	153	155	156	157	158	159	160	161	161	162	162	163	163	163	164	164	164
125	185	186	187	188	190	191	192	193	194	194	195	196	196	197	197	197	198	198	198
130	218	219	220	221	223	223	224	225	226	227	228	228	229	229	230	230	230	230	230
135	251	252	253	254	255	255	256	257	258	258	259	260	260	261	261	261	262	262	262
140	281	282	283	284	285	286	287	287	288	289	289	290	290	291	291	292	292	292	292
145	311	312	313	314	314	315	316	316	317	318	318	319	319	320	320	320	321	321	321
150	339	340	341	341	342	342	343	344	344	345	345	346	346	346	347	347	347	347	347
155	367	367	368	369	369	369	370	370	371	371	371	372	372	372	372	372	373	373	373
160	390	390	391	391	391	392	392	392	392	392	393	393	393	393	393	393	393	393	393
165	410	410	410	410	410	410	410	410	410	409	410	410	410	410	410	410	410	410	410
170	425	424	424	424	424	424	423	423	423	423	422	422	422	422	422	422	422	422	422
175	435	434	434	434	433	433	432	432	431	431	431	430	430	430	430	430	430	430	430
180	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438

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

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	4774	4779	4786	4793	4801	4811	4820	4830	4839	4847	4854	4861	4868	4874	4880	4885	4889	4893	4889
5	4541	4546	4551	4557	4564	4572	4579	4587	4595	4602	4608	4613	4619	4624	4628	4633	4636	4639	4636
10	3786	3792	3798	3806	3815	3824	3833	3842	3851	3857	3862	3866	3870	3873	3876	3878	3879	3880	3879
15	2628	2633	2639	2646	2653	2661	2668	2676	2683	2685	2687	2688	2688	2688	2688	2687	2685	2683	2685
20	1686	1689	1692	1695	1698	1701	1704	1707	1709	1708	1706	1704	1702	1699	1695	1692	1688	1685	1688
25	1018	1019	1021	1022	1024	1025	1027	1028	1029	1029	1029	1029	1028	1027	1026	1025	1024	1023	1024
30	424	424	425	425	425	425	424	424	423	420	417	414	410	407	403	400	396	393	396
35	98.0	99.0	100	101	102	103	104	104	104	102	100	97.6	95.0	92.1	89.2	86.3	83.3	80.4	83.3
40	38.4	38.4	38.4	38.3	38.3	38.2	38.0	37.9	37.6	37.2	36.7	36.1	35.6	35.0	34.5	34.0	33.5	33.0	33.5
45	24.3	24.3	24.2	24.1	23.9	23.8	23.6	23.4	23.2	22.9	22.5	22.2	21.8	21.5	21.2	20.9	20.6	20.3	20.6
50	16.2	16.1	16.0	15.9	15.8	15.6	15.4	15.2	15.0	14.8	14.5	14.3	14.0	13.8	13.6	13.4	13.2	13.0	13.2
55	10.5	10.5	10.4	10.2	10.1	9.93	9.78	9.62	9.46	9.33	9.21	9.10	8.99	8.90	8.82	8.76	8.71	8.69	8.71
60	6.90	6.82	6.73	6.62	6.50	6.37	6.23	6.09	5.95	5.83	5.72	5.61	5.52	5.43	5.36	5.30	5.26	5.23	5.26
65	5.69	5.61	5.51	5.40	5.28	5.15	5.01	4.87	4.74	4.64	4.54	4.45	4.37	4.30	4.25	4.21	4.18	4.17	4.18
70	4.76	4.69	4.61	4.51	4.40	4.29	4.17	4.05	3.93	3.84	3.75	3.67	3.59	3.53	3.47	3.43	3.40	3.39	3.40
75	3.91	3.85	3.78	3.69	3.60	3.50	3.39	3.29	3.18	3.10	3.02	2.95	2.88	2.83	2.78	2.75	2.72	2.71	2.72
80	3.06	3.01	2.95	2.88	2.80	2.72	2.64	2.55	2.47	2.40	2.33	2.27	2.22	2.17	2.13	2.09	2.07	2.06	2.07
85	2.28	2.24	2.20	2.15	2.10	2.04	1.98	1.92	1.86	1.81	1.76	1.72	1.68	1.64	1.61	1.59	1.58	1.58	1.58
90	1.47	1.47	1.47	1.46	1.45	1.44	1.43	1.42	1.40	1.37	1.33	1.30	1.26	1.23	1.19	1.17	1.14	1.13	1.14
95	12.4	12.2	12.0	11.6	11.2	10.8	10.2	9.70	9.11	8.45	7.76	7.06	6.36	5.66	4.98	4.32	3.69	3.10	3.69
100	35.4	35.2	34.9	34.5	34.0	33.4	32.8	32.0	31.2	30.2	29.2	28.1	26.9	25.8	24.6	23.4	22.2	21.0	22.2
105	64.6	64.4	64.2	63.8	63.3	62.7	62.0	61.3	60.4	59.3	58.1	56.9	55.6	54.3	52.9	51.5	50.0	48.6	50.0
110	96.9	96.7	96.5	96.2	95.8	95.3	94.7	94.0	93.2	92.1	91.0	89.7	88.3	86.9	85.5	84.0	82.5	81.0	82.5
115	130	130	130	130	129	129	128	128	127	126	125	124	123	121	120	118	117	116	117
120	164	164	163	163	163	162	162	161	161	160	159	158	157	156	155	153	152	151	152
125	198	198	197	197	197	196	196	195	194	194	193	192	191	190	188	187	186	185	186
130	230	230	230	230	229	229	228	228	227	226	225	224	223	223	221	220	219	218	219
135	262	262	261	261	261	260	260	259	258	258	257	256	255	255	254	253	252	251	252
140	292	292	292	291	291	290	290	289	289	288	287	287	286	285	284	283	282	281	282
145	321	321	320	320	320	319	319	318	318	317	316	316	315	314	314	313	312	311	312
150	347	347	347	347	346	346	346	345	345	344	344	343	342	342	341	341	340	339	340
155	373	373	372	372	372	372	372	371	371	371	370	370	369	369	369	368	367	367	367
160	393	393	393	393	393	393	393	393	392	392	392	392	392	391	391	391	390	390	390
165	410	410	410	410	410	410	410	410	409	410	410	410	410	410	410	410	410	410	410
170	422	422	422	422	422	422	422	422	423	423	423	423	424	424	424	424	424	425	424
175	430	430	430	430	430	430	430	431	431	431	432	432	433	433	434	434	434	435	434
180	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438

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

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	4885	4880	4874	4868	4861	4854	4847	4839	4830	4820	4811	4801	4793	4786	4779	4774	4770	4774	4779
5	4633	4628	4624	4619	4613	4608	4602	4595	4587	4579	4572	4564	4557	4551	4546	4541	4538	4541	4546
10	3878	3876	3873	3870	3866	3862	3857	3851	3842	3833	3824	3815	3806	3798	3792	3786	3782	3786	3792
15	2687	2688	2688	2688	2688	2687	2685	2683	2676	2668	2661	2653	2646	2639	2633	2628	2624	2628	2633
20	1692	1695	1699	1702	1704	1706	1708	1709	1707	1704	1701	1698	1695	1692	1689	1686	1684	1686	1689
25	1025	1026	1027	1028	1029	1029	1029	1029	1028	1027	1025	1024	1022	1021	1019	1018	1017	1018	1019
30	400	403	407	410	414	417	420	423	424	424	425	425	425	425	424	424	423	424	424
35	86.3	89.2	92.1	95.0	97.6	100	102	104	104	104	103	102	101	100	99.0	98.0	97.1	98.0	99.0
40	34.0	34.5	35.0	35.6	36.1	36.7	37.2	37.6	37.9	38.0	38.2	38.3	38.3	38.4	38.4	38.4	38.3	38.4	38.4
45	20.9	21.2	21.5	21.8	22.2	22.5	22.9	23.2	23.4	23.6	23.8	23.9	24.1	24.2	24.3	24.3	24.3	24.3	24.3
50	13.4	13.6	13.8	14.0	14.3	14.5	14.8	15.0	15.2	15.4	15.6	15.8	15.9	16.0	16.1	16.2	16.3	16.2	16.1
55	8.76	8.82	8.90	8.99	9.10	9.21	9.33	9.46	9.62	9.78	9.93	10.1	10.2	10.4	10.5	10.5	10.6	10.5	10.5
60	5.30	5.36	5.43	5.52	5.61	5.72	5.83	5.95	6.09	6.23	6.37	6.50	6.62	6.73	6.82	6.90	6.96	6.90	6.82
65	4.21	4.25	4.30	4.37	4.45	4.54	4.64	4.74	4.87	5.01	5.15	5.28	5.40	5.51	5.61	5.69	5.74	5.69	5.61
70	3.43	3.47	3.53	3.59	3.67	3.75	3.84	3.93	4.05	4.17	4.29	4.40	4.51	4.61	4.69	4.76	4.81	4.76	4.69
75	2.75	2.78	2.83	2.88	2.95	3.02	3.10	3.18	3.29	3.39	3.50	3.60	3.69	3.78	3.85	3.91	3.96	3.91	3.85
80	2.09	2.13	2.17	2.22	2.27	2.33	2.40	2.47	2.55	2.64	2.72	2.80	2.88	2.95	3.01	3.06	3.09	3.06	3.01
85	1.59	1.61	1.64	1.68	1.72	1.76	1.81	1.86	1.92	1.98	2.04	2.10	2.15	2.20	2.24	2.28	2.30	2.28	2.24
90	1.17	1.19	1.23	1.26	1.30	1.33	1.37	1.40	1.42	1.43	1.44	1.45	1.46	1.47	1.47	1.47	1.47	1.47	1.47
95	4.32	4.98	5.66	6.36	7.06	7.76	8.45	9.11	9.70	10.2	10.8	11.2	11.6	12.0	12.2	12.4	12.6	12.4	12.2
100	23.4	24.6	25.8	26.9	28.1	29.2	30.2	31.2	32.0	32.8	33.4	34.0	34.5	34.9	35.2	35.4	35.5	35.4	35.2
105	51.5	52.9	54.3	55.6	56.9	58.1	59.3	60.4	61.3	62.0	62.7	63.3	63.8	64.2	64.4	64.6	64.7	64.6	64.4
110	84.0	85.5	86.9	88.3	89.7	91.0	92.1	93.2	94.0	94.7	95.3	95.8	96.2	96.5	96.7	96.9	96.9	96.9	96.7
115	118	120	121	123	124	125	126	127	128	128	129	129	130	130	130	130	130	130	130
120	153	155	156	157	158	159	160	161	161	162	162	163	163	163	164	164	164	164	164
125	187	188	190	191	192	193	194	194	195	196	196	197	197	197	198	198	198	198	198
130	220	221	223	223	224	225	226	227	228	228	229	229	230	230	230	230	230	230	230
135	253	254	255	255	256	257	258	258	259	260	260	261	261	261	262	262	262	262	262
140	283	284	285	286	287	287	288	289	289	290	290	291	291	292	292	292	292	292	292
145	313	314	314	315	316	316	317	318	318	319	319	320	320	320	321	321	321	321	321
150	341	341	342	342	343	344	344	345	345	346	346	346	347	347	347	347	347	347	347
155	368	369	369	369	370	370	371	371	371	372	372	372	372	372	373	373	373	373	373
160	391	391	391	392	392	392	392	392	393	393	393	393	393	393	393	393	393	393	393
165	410	410	410	410	410	410	410	409	410	410	410	410	410	410	410	410	410	410	410
170	424	424	424	424	423	423	423	423	422	422	422	422	422	422	422	422	422	422	422
175	434	434	433	433	432	432	431	431	431	430	430	430	430	430	430	430	430	430	430
180	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438

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

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	4786	4793	4801	4811	4820	4830	4839	4847	4854	4861	4868	4874	4880	4885	4889				
5	4551	4557	4564	4572	4579	4587	4595	4602	4608	4613	4619	4624	4628	4633	4636				
10	3798	3806	3815	3824	3833	3842	3851	3857	3862	3866	3870	3873	3876	3878	3879				
15	2639	2646	2653	2661	2668	2676	2683	2685	2687	2688	2688	2688	2688	2687	2685				
20	1692	1695	1698	1701	1704	1707	1709	1708	1706	1704	1702	1699	1695	1692	1688				
25	1021	1022	1024	1025	1027	1028	1029	1029	1029	1029	1028	1027	1026	1025	1024				
30	425	425	425	425	424	424	423	420	417	414	410	407	403	400	396				
35	100	101	102	103	104	104	104	102	100	97.6	95.0	92.1	89.2	86.3	83.3				
40	38.4	38.3	38.3	38.2	38.0	37.9	37.6	37.2	36.7	36.1	35.6	35.0	34.5	34.0	33.5				
45	24.2	24.1	23.9	23.8	23.6	23.4	23.2	22.9	22.5	22.2	21.8	21.5	21.2	20.9	20.6				
50	16.0	15.9	15.8	15.6	15.4	15.2	15.0	14.8	14.5	14.3	14.0	13.8	13.6	13.4	13.2				
55	10.4	10.2	10.1	9.93	9.78	9.62	9.46	9.33	9.21	9.10	8.99	8.90	8.82	8.76	8.71				
60	6.73	6.62	6.50	6.37	6.23	6.09	5.95	5.83	5.72	5.61	5.52	5.43	5.36	5.30	5.26				
65	5.51	5.40	5.28	5.15	5.01	4.87	4.74	4.64	4.54	4.45	4.37	4.30	4.25	4.21	4.18				
70	4.61	4.51	4.40	4.29	4.17	4.05	3.93	3.84	3.75	3.67	3.59	3.53	3.47	3.43	3.40				
75	3.78	3.69	3.60	3.50	3.39	3.29	3.18	3.10	3.02	2.95	2.88	2.83	2.78	2.75	2.72				
80	2.95	2.88	2.80	2.72	2.64	2.55	2.47	2.40	2.33	2.27	2.22	2.17	2.13	2.09	2.07				
85	2.20	2.15	2.10	2.04	1.98	1.92	1.86	1.81	1.76	1.72	1.68	1.64	1.61	1.59	1.58				
90	1.47	1.46	1.45	1.44	1.43	1.42	1.40	1.37	1.33	1.30	1.26	1.23	1.19	1.17	1.14				
95	12.0	11.6	11.2	10.8	10.2	9.70	9.11	8.45	7.76	7.06	6.36	5.66	4.98	4.32	3.69				
100	34.9	34.5	34.0	33.4	32.8	32.0	31.2	30.2	29.2	28.1	26.9	25.8	24.6	23.4	22.2				
105	64.2	63.8	63.3	62.7	62.0	61.3	60.4	59.3	58.1	56.9	55.6	54.3	52.9	51.5	50.0				
110	96.5	96.2	95.8	95.3	94.7	94.0	93.2	92.1	91.0	89.7	88.3	86.9	85.5	84.0	82.5				
115	130	130	129	129	128	128	127	126	125	124	123	121	120	118	117				
120	163	163	163	162	162	161	161	160	159	158	157	156	155	153	152				
125	197	197	197	196	196	195	194	194	193	192	191	190	188	187	186				
130	230	230	229	229	228	228	227	226	225	224	223	223	221	220	219				
135	261	261	261	260	260	259	258	258	257	256	255	255	254	253	252				
140	292	291	291	290	290	289	289	288	287	287	286	285	284	283	282				
145	320	320	320	319	319	318	318	317	316	316	315	314	314	313	312				
150	347	347	346	346	346	345	345	344	344	343	342	342	341	341	340				
155	372	372	372	372	372	371	371	371	370	370	369	369	369	368	367				
160	393	393	393	393	393	393	392	392	392	392	392	391	391	391	390				
165	410	410	410	410	410	410	409	410	410	410	410	410	410	410	410				
170	422	422	422	422	422	422	423	423	423	423	424	424	424	424	424				
175	430	430	430	430	430	431	431	431	432	432	433	433	434	434	434				
180	438	438	438	438	438	438	438	438	438	438	438	438	438	438	438				

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: