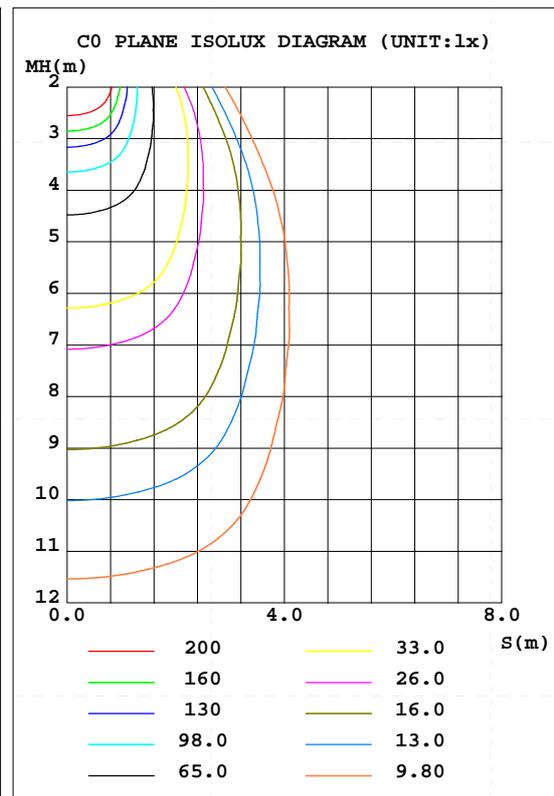
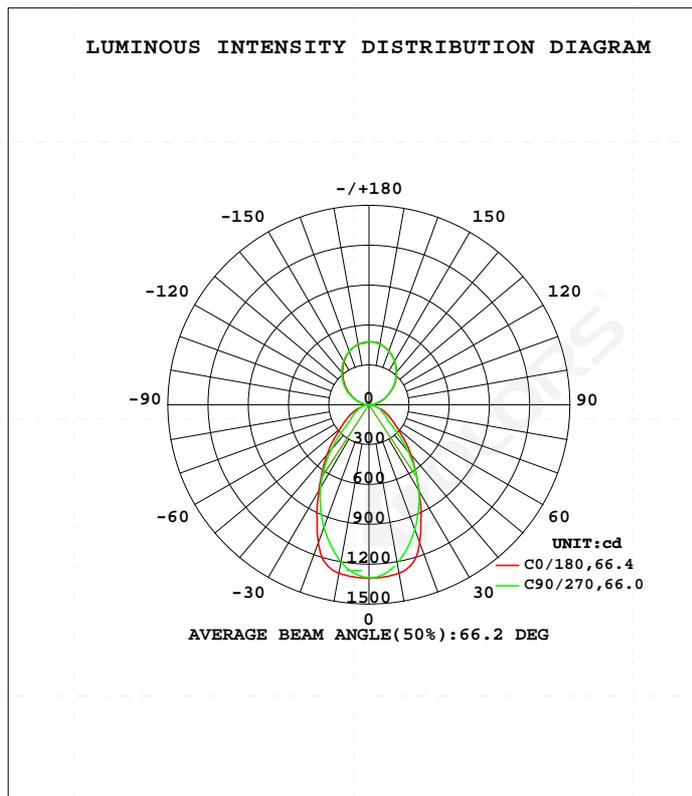


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.1800A P:39.00W PF:0.9000 Freq:50.00Hz Lamp Flux:3058.94x1 lm		
NAME: LLS-LH40BDFWS1200(N)-T39NWSN-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*38mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 78.43 lm/W
MODEL		I _{max} (cd)	1304	S/MH(C0/180)		0.97
NOMINAL POWER(W)	39	LOR(%)	100.0	S/MH(C90/270)		0.92
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	3058.9	h UP, DN(C0-180)		20.5, 30.0
NOMINAL FLUX(lm)	3058.94	CIE CLASS	DIFFUSE	h UP, DN(C180-360)		19.8, 29.6
LAMPS INSIDE	1	h up(%)	40.3	CIBSE SHR NOM		1.00
TEST VOLTAGE(V)	220.0	h down(%)	59.7	CIBSE SHR MAX		1.00



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

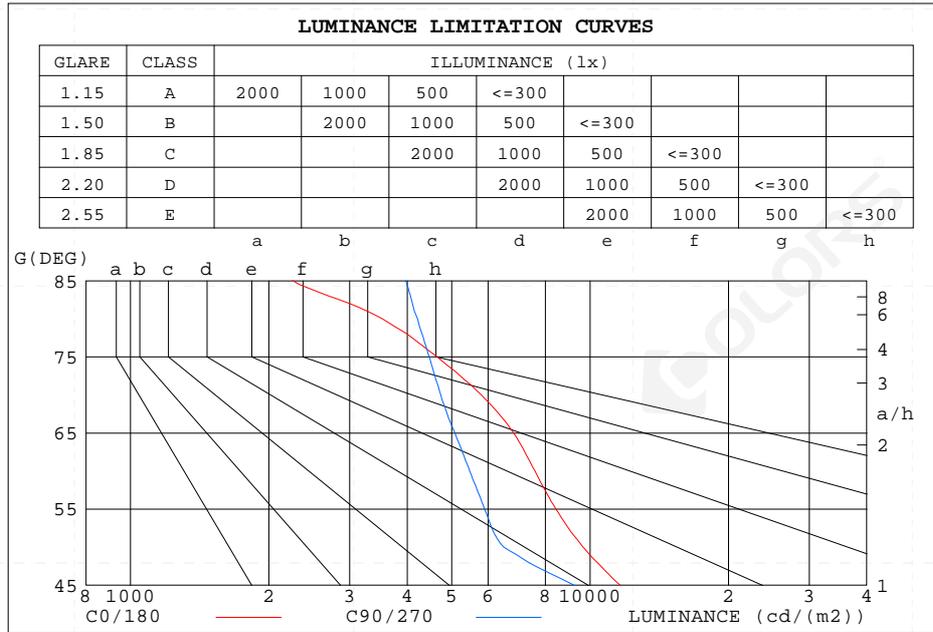
ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1287	1253	1210	1254	1287	1243	1202	1242	0- 10	121.7	121.7	3.98,3.98
20	1107	1084	1001	1085	1107	1073	982.9	1072	10- 20	328.5	450.2	14.7,14.7
30	750.7	734.5	743.7	736.3	750.7	719.9	723.9	718.7	20- 30	413.2	863.4	28.2,28.2
40	487.8	440.7	450.3	442.7	487.8	431.4	436.4	429.8	30- 40	364.4	1228	40.1,40.1
50	283.2	240.7	190.4	242.8	283.2	239.1	186.6	237.4	40- 50	255.5	1483	48.5,48.5
60	173.0	130.2	124.8	132.2	172.8	130.3	122.3	128.7	50- 60	163.0	1646	53.8,53.8
70	90.39	76.17	73.77	78.12	90.27	77.20	72.65	76.04	60- 70	106.5	1753	57.3,57.3
80	27.98	28.82	33.35	30.51	28.05	30.46	34.23	29.64	70- 80	56.39	1809	59.1,59.1
90	8.319	21.76	1.967	2.550	2.836	2.850	3.574	14.04	80- 90	15.95	1825	59.7,59.7
100	50.58	79.56	41.29	18.67	35.47	12.09	35.80	66.83	90-100	23.93	1849	60.4,60.4
110	111.3	149.2	107.5	74.66	97.29	66.46	102.5	133.2	100-110	78.19	1927	63,63
120	174.7	222.6	179.1	144.9	164.9	135.8	174.8	208.2	110-120	140.1	2067	67.6,67.6
130	254.6	292.1	251.4	217.9	237.7	207.5	248.5	274.3	120-130	191.2	2258	73.8,73.8
140	321.4	358.2	318.4	286.5	308.1	278.8	318.1	346.7	130-140	219.6	2478	81,81
150	383.0	415.7	382.1	355.6	375.5	345.3	381.1	410.1	140-150	220.0	2698	88.2,88.2
160	432.6	458.2	431.2	413.9	428.4	404.9	430.4	453.0	150-160	188.6	2887	94.4,94.4
170	467.2	480.3	463.6	457.6	462.3	454.5	463.6	478.8	160-170	127.4	3014	98.5,98.5
180	474.4	474.4	474.4	474.4	474.4	474.4	474.4	474.4	170-180	45.02	3059	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



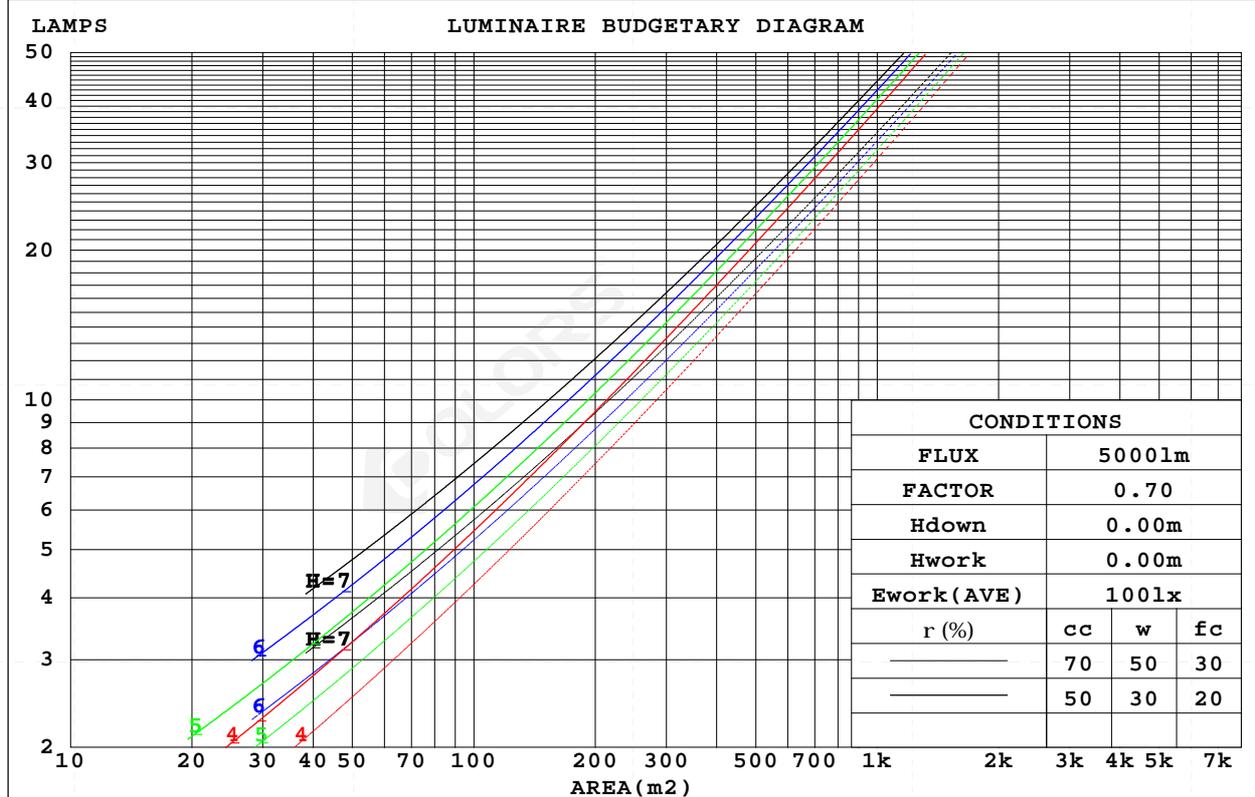
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2255	3969
80	3533	4212
75	4647	4468
70	5796	4730
65	6815	5078
60	7588	5473
55	8435	5896
50	9662	6495
45	11640	9262

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:

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	1.09	1.09	1.09	1.02	1.02	1.02	.89	.89	.89	.76	.76	.76	.65	.65	.65	.60
1.0	.97	.94	.91	.91	.88	.86	.80	.78	.76	.69	.68	.66	.60	.58	.58	.53
2.0	.87	.81	.77	.82	.77	.73	.72	.68	.65	.63	.60	.58	.54	.52	.51	.47
3.0	.78	.71	.66	.73	.67	.63	.65	.60	.57	.57	.54	.51	.50	.47	.45	.42
4.0	.70	.63	.57	.66	.60	.55	.59	.54	.50	.52	.48	.45	.46	.43	.40	.37
5.0	.64	.56	.51	.60	.53	.49	.54	.48	.44	.48	.44	.40	.42	.39	.36	.34
6.0	.58	.50	.45	.55	.48	.43	.49	.44	.40	.44	.40	.36	.39	.36	.33	.31
7.0	.53	.46	.40	.50	.44	.39	.45	.40	.36	.41	.36	.33	.36	.33	.30	.28
8.0	.49	.41	.37	.46	.40	.35	.42	.37	.33	.38	.33	.30	.34	.30	.28	.26
9.0	.45	.38	.33	.43	.36	.32	.39	.34	.30	.35	.31	.28	.31	.28	.26	.24
10.0	.42	.35	.30	.40	.34	.29	.36	.31	.28	.33	.29	.26	.30	.26	.24	.22



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	.248	.141	.045	.229	.131	.041	.193	.111	.035	.160	.092	.030	.130	.075	.024	
2.0	.233	.128	.039	.216	.119	.037	.183	.102	.032	.153	.086	.027	.126	.071	.022	
3.0	.217	.116	.035	.201	.108	.032	.172	.093	.028	.145	.079	.024	.119	.066	.020	
4.0	.203	.105	.031	.188	.099	.029	.161	.086	.026	.136	.073	.022	.113	.061	.019	
5.0	.189	.096	.028	.176	.090	.026	.151	.079	.023	.128	.068	.020	.107	.057	.017	
6.0	.177	.089	.025	.165	.083	.024	.142	.073	.021	.121	.063	.019	.101	.053	.016	
7.0	.166	.082	.023	.155	.077	.022	.134	.068	.020	.114	.059	.017	.096	.050	.015	
8.0	.157	.077	.022	.146	.072	.020	.127	.063	.018	.108	.055	.016	.091	.047	.014	
9.0	.148	.072	.020	.138	.067	.019	.120	.059	.017	.103	.052	.015	.087	.044	.013	
10.0	.140	.067	.019	.131	.063	.018	.114	.056	.016	.098	.049	.014	.083	.042	.012	

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	.498	.498	.498	.425	.425	.425	.290	.290	.290	.167	.167	.167	.053	.053	.053	
1.0	.486	.467	.449	.416	.400	.387	.284	.275	.267	.164	.159	.155	.052	.051	.050	
2.0	.476	.444	.417	.408	.382	.361	.280	.265	.251	.161	.154	.147	.052	.050	.048	
3.0	.468	.428	.395	.401	.369	.343	.275	.256	.240	.159	.150	.142	.051	.049	.046	
4.0	.460	.415	.380	.395	.359	.330	.272	.250	.233	.157	.146	.138	.051	.048	.045	
5.0	.453	.405	.369	.389	.350	.321	.268	.245	.227	.155	.144	.135	.050	.047	.044	
6.0	.447	.397	.361	.384	.344	.315	.265	.241	.223	.154	.142	.132	.050	.046	.044	
7.0	.441	.391	.355	.379	.339	.310	.262	.237	.219	.152	.140	.131	.049	.046	.043	
8.0	.435	.385	.351	.375	.334	.306	.259	.235	.217	.151	.138	.129	.049	.045	.043	
9.0	.430	.381	.347	.371	.330	.303	.257	.232	.215	.150	.137	.128	.048	.045	.043	
10.0	.425	.377	.344	.367	.327	.301	.254	.230	.214	.148	.136	.127	.048	.045	.042	

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	12.5	13.4	13.2	14.1	15.0	11.4	12.3	12.2	13.1	14.0
3H	13.3	14.1	14.1	14.9	15.8	12.2	13.0	13.0	13.8	14.7
4H	13.6	14.3	14.4	15.1	16.1	12.5	13.3	13.3	14.1	15.0
6H	13.7	14.4	14.5	15.2	16.2	12.8	13.5	13.6	14.3	15.3
8H	13.7	14.3	14.5	15.2	16.2	12.9	13.5	13.7	14.4	15.4
12H	13.6	14.3	14.5	15.1	16.1	12.9	13.6	13.8	14.4	15.4
4H 2H	12.5	13.3	13.3	14.1	15.0	11.6	12.4	12.4	13.2	14.1
3H	13.5	14.1	14.3	15.0	16.0	12.6	13.2	13.4	14.0	15.1
4H	13.9	14.4	14.7	15.3	16.3	13.0	13.6	13.9	14.4	15.5
6H	14.1	14.6	14.9	15.4	16.5	13.4	13.9	14.3	14.8	15.9
8H	14.1	14.5	15.0	15.4	16.5	13.5	14.0	14.4	14.9	16.0
12H	14.0	14.5	15.0	15.4	16.5	13.6	14.0	14.5	14.9	16.1
8H 4H	13.8	14.3	14.7	15.2	16.3	13.1	13.5	14.0	14.4	15.5
6H	14.1	14.5	15.0	15.4	16.6	13.6	13.9	14.5	14.8	16.0
8H	14.2	14.5	15.1	15.4	16.6	13.8	14.1	14.7	15.0	16.2
12H	14.2	14.5	15.1	15.4	16.6	13.9	14.2	14.9	15.1	16.3
12H 4H	13.8	14.2	14.7	15.1	16.2	13.0	13.5	13.9	14.3	15.5
6H	14.1	14.4	15.0	15.4	16.5	13.5	13.9	14.5	14.8	16.0
8H	14.2	14.5	15.1	15.4	16.6	13.8	14.0	14.7	15.0	16.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.5 / - 0.7				
1.5H	+ 0.5 / - 0.4					+ 0.7 / - 0.7				
2.0H	+ 1.1 / - 0.8					+ 0.8 / - 0.5				

CIE Pub.117, 3059 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.9)

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:

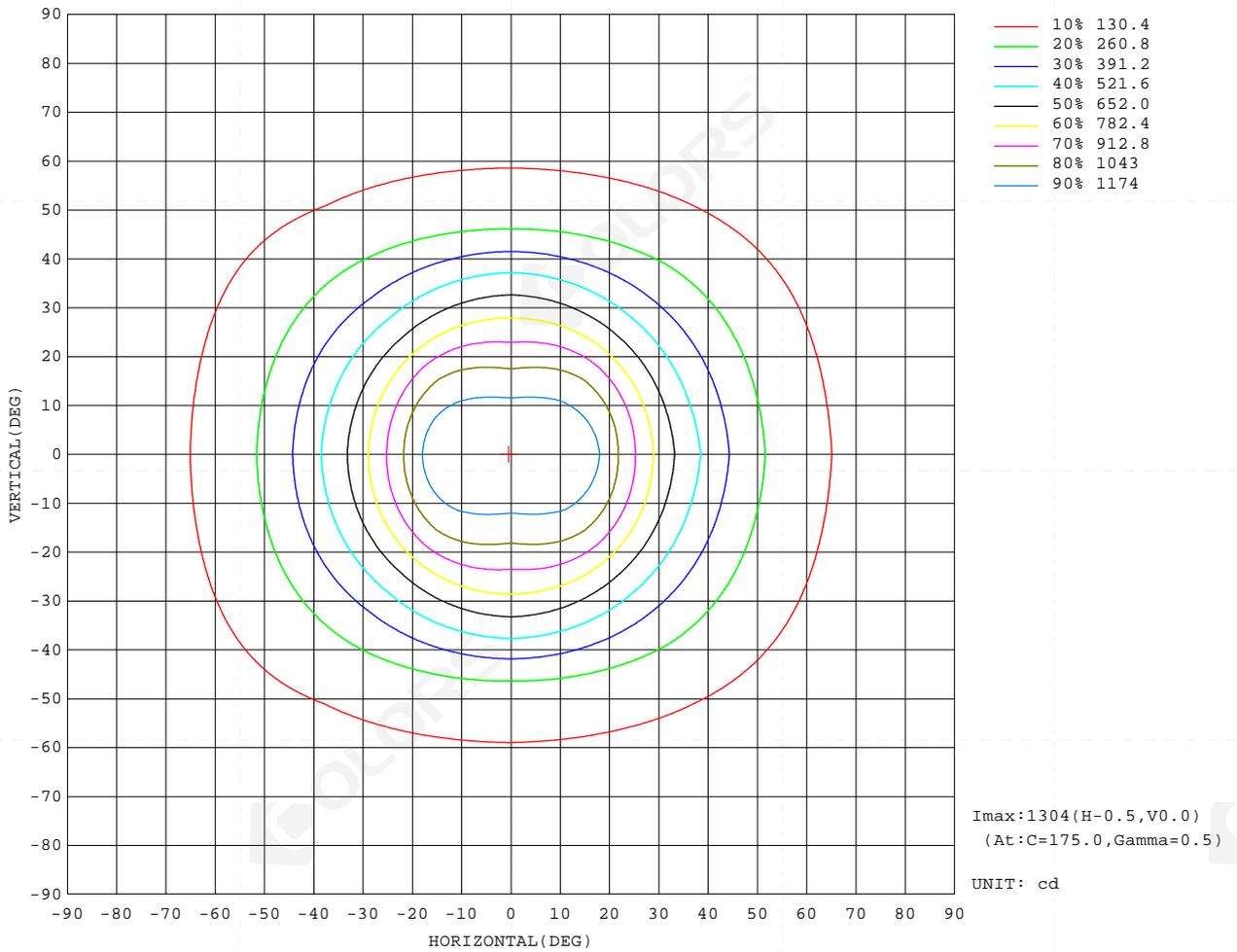
UTILIZATION FACTORS TABLE

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	55	45	39	53	44	39	49	42	37	30
0.80	64	54	48	61	52	47	56	49	44	36
1.00	71	61	55	67	59	53	61	55	50	40
1.25	77	67	61	73	65	59	66	60	55	43
1.50	81	72	66	77	69	64	69	63	59	46
2.00	87	79	73	82	76	70	73	68	64	49
2.50	91	84	78	86	80	75	76	71	68	50
3.00	94	87	82	88	83	78	78	74	71	52
4.00	98	92	88	91	87	83	81	77	75	54
5.00	100	95	91	94	90	86	82	79	77	55
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:

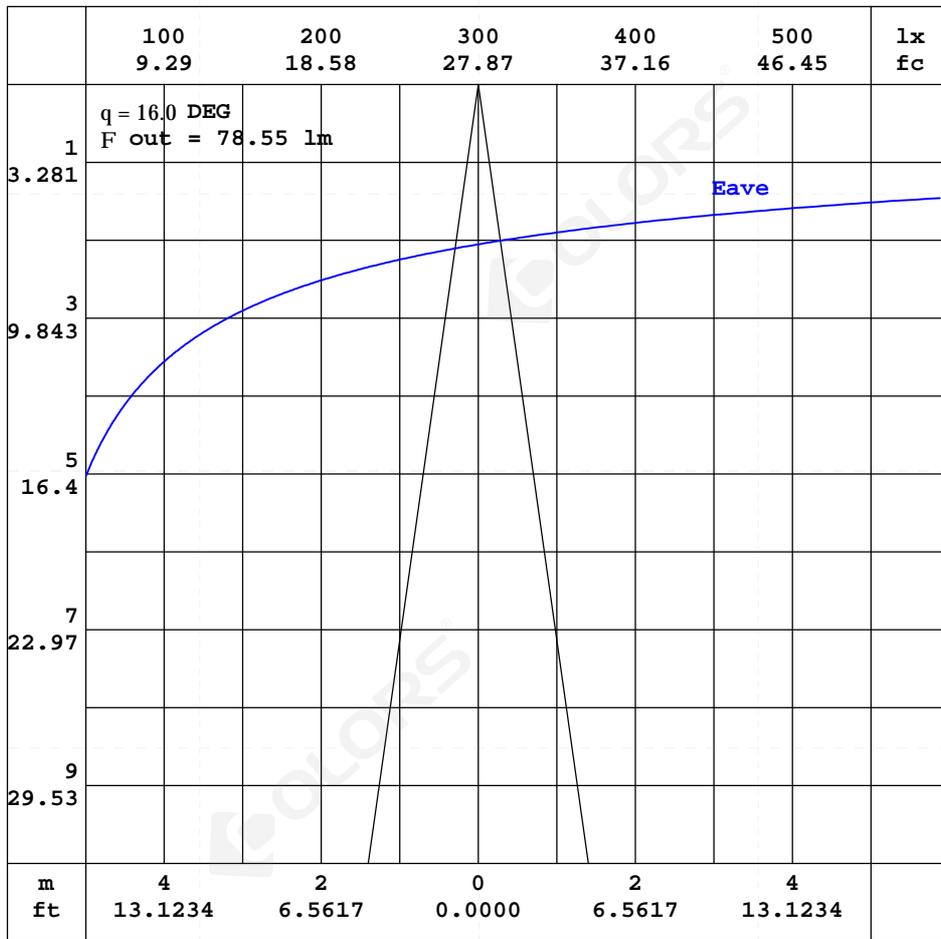
ISOCANDELA DIAGRAM



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

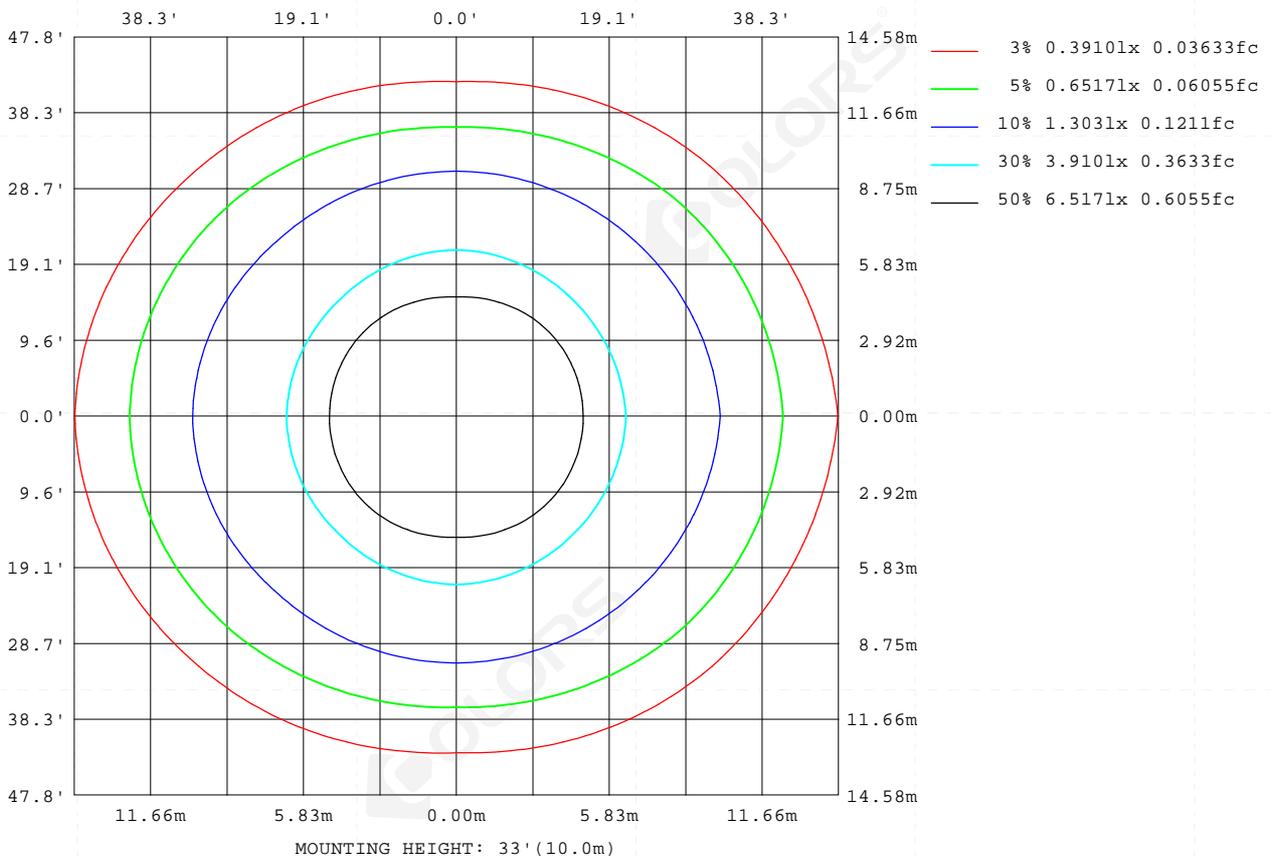


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:

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:220.0V I:0.1800A P:39.00W PF:0.9000 Freq:50.00Hz Lamp Flux:3058.94x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*38mm	Shielding Angle:

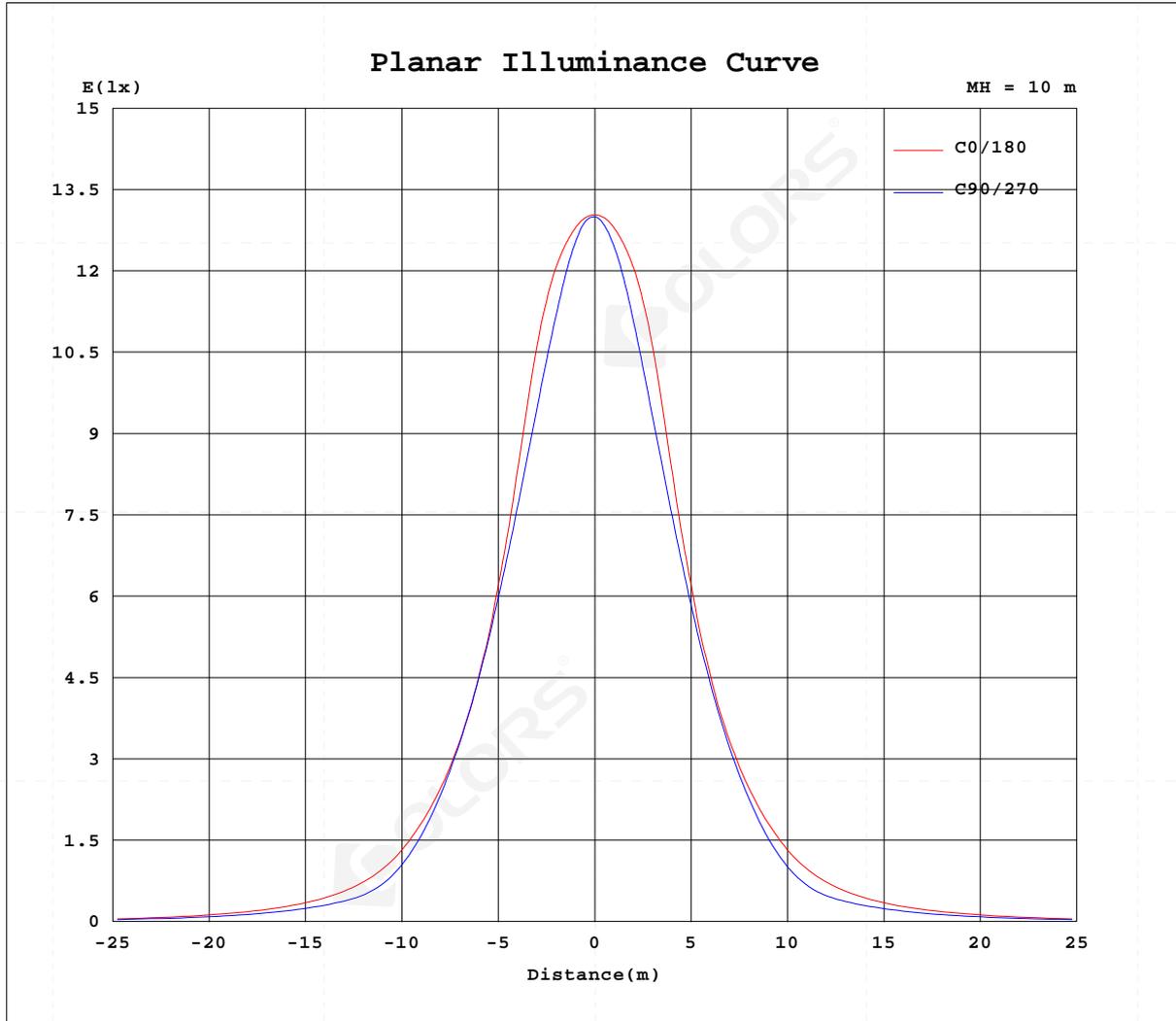
AvgL	cd/m2
L_0~180(65)av	6811
L_0~180(75)av	4643
L_0~180(85)av	2279
L_90~270(65)av	5030
L_90~270(75)av	4481
L_90~270(85)av	4188
L_45(65)av	5310
L_45(75)av	4417
L_45(85)av	2917

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	1303	1303	1303	1303	1303	1303	1303	1303	1302	1302	1302	1302	1301	1301	1301	1301	1300	1300	1300
5	1300	1300	1299	1299	1298	1297	1296	1295	1294	1293	1292	1290	1288	1286	1285	1283	1282	1281	1280
10	1287	1284	1280	1277	1273	1269	1265	1261	1257	1253	1247	1241	1235	1229	1224	1220	1216	1213	1210
15	1240	1235	1230	1224	1218	1212	1206	1200	1193	1186	1176	1166	1156	1147	1138	1130	1123	1118	1114
20	1107	1107	1107	1106	1104	1101	1098	1094	1089	1084	1073	1063	1052	1041	1030	1021	1013	1006	1001
25	920	923	925	926	927	927	927	926	924	922	917	911	905	899	893	888	883	879	876
30	751	748	745	742	740	739	737	736	735	734	735	736	737	738	739	740	742	743	744
35	607	601	595	590	586	582	579	577	576	575	577	580	583	587	590	593	597	600	602
40	488	480	472	466	460	455	450	446	443	441	440	440	441	442	444	445	447	449	450
45	375	369	362	356	351	345	340	335	330	326	321	317	313	309	306	303	301	300	299
50	283	279	274	270	265	261	256	251	246	241	233	226	219	213	207	201	197	193	190
55	221	215	209	204	199	194	189	185	181	177	173	169	166	163	160	158	156	155	154
60	173	166	160	155	149	145	140	136	133	130	128	127	125	125	124	124	124	124	125
65	131	127	123	119	115	112	109	106	104	102	100	99.3	98.4	97.8	97.5	97.3	97.3	97.5	97.9
70	90.4	88.2	86.2	84.3	82.6	81.0	79.6	78.3	77.2	76.2	75.4	74.8	74.3	73.9	73.7	73.6	73.5	73.6	73.8
75	54.8	54.2	53.6	53.1	52.6	52.2	51.9	51.6	51.4	51.2	51.3	51.4	51.5	51.6	51.8	52.1	52.3	52.5	52.7
80	28.0	27.9	27.8	27.8	27.9	28.0	28.1	28.3	28.5	28.8	29.3	29.9	30.5	31.0	31.6	32.1	32.6	33.0	33.4
85	8.96	9.50	10.0	10.5	11.0	11.5	11.9	12.3	12.8	13.1	13.6	14.1	14.5	14.9	15.2	15.4	15.6	15.7	15.8
90	8.32	11.5	14.2	16.5	18.4	19.9	21.0	21.6	21.9	21.8	20.2	18.3	16.2	13.9	11.4	8.95	6.49	4.14	1.97
95	25.0	30.3	34.9	38.8	42.1	44.6	46.5	47.7	48.2	48.0	45.8	43.0	39.7	36.0	32.1	28.0	23.8	19.7	15.7
100	50.6	57.1	62.8	67.7	71.8	75.0	77.4	78.9	79.7	79.6	77.1	73.9	70.2	65.9	61.3	56.4	51.4	46.3	41.3
105	81.0	88.3	94.6	100	105	108	111	113	114	114	111	108	104	99.5	94.6	89.3	83.9	78.4	72.9
110	111	119	127	133	138	142	145	148	149	149	147	144	140	135	130	125	119	113	107
115	143	152	160	167	173	177	181	184	185	186	184	180	176	172	167	161	155	149	143
120	175	185	193	201	207	213	217	220	222	223	220	217	213	209	203	198	192	185	179
125	215	224	232	239	244	249	253	255	257	257	255	252	248	244	238	233	227	221	215
130	255	263	270	276	281	285	288	291	292	292	290	287	283	279	274	268	263	257	251
135	286	295	302	309	314	319	322	325	326	326	324	321	317	313	308	302	296	291	285
140	321	329	336	342	347	351	354	357	358	358	356	353	349	345	340	335	330	324	318
145	352	360	367	373	378	383	386	388	389	390	387	384	381	376	371	366	361	355	350
150	383	390	396	401	406	409	412	414	415	416	414	411	408	405	401	396	392	387	382
155	410	416	422	426	430	433	436	438	439	439	437	435	432	429	425	421	417	413	409
160	433	438	443	447	451	453	456	457	458	458	457	455	452	449	446	442	439	435	431
165	451	456	459	463	466	468	470	471	472	472	471	469	467	464	462	459	456	453	450
170	467	470	473	475	477	478	479	480	480	480	479	478	476	474	472	470	468	466	464
175	474	476	478	479	480	481	482	482	483	483	482	481	480	479	477	476	475	473	472
180	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474

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	1300	1300	1301	1301	1301	1301	1302	1302	1302	1302	1303	1303	1303	1303	1303	1303	1303	1303	1303
5	1281	1282	1283	1285	1287	1289	1290	1292	1294	1296	1297	1298	1299	1299	1300	1300	1301	1300	1299
10	1213	1216	1220	1225	1230	1236	1242	1248	1254	1260	1265	1270	1274	1278	1281	1284	1286	1287	1285
15	1118	1124	1131	1139	1148	1157	1167	1177	1187	1196	1204	1212	1219	1225	1231	1235	1238	1240	1236
20	1006	1013	1022	1031	1042	1053	1064	1075	1085	1091	1095	1099	1102	1104	1106	1107	1107	1107	1106
25	879	884	889	894	900	906	913	918	924	925	926	926	926	926	925	923	922	920	920
30	743	742	741	740	739	738	737	737	736	738	740	742	744	746	748	749	750	751	748
35	600	597	594	591	588	585	582	579	577	580	584	588	592	596	599	603	605	607	604
40	449	448	446	445	444	443	442	442	443	448	454	459	465	471	476	481	485	488	484
45	300	302	304	307	310	314	319	323	328	335	341	348	354	360	365	369	373	375	372
50	193	197	202	208	214	221	228	235	243	249	255	261	267	271	276	279	282	283	281
55	155	157	159	161	164	168	171	175	179	185	191	196	202	207	211	215	218	220	218
60	125	125	125	125	126	127	128	130	132	137	142	148	153	158	163	167	170	173	170
65	97.8	97.9	98.2	98.7	99.3	100	101	102	104	107	111	114	118	121	125	127	130	131	129
70	73.9	74.1	74.4	74.8	75.3	75.9	76.5	77.3	78.1	79.7	81.3	82.9	84.5	86.0	87.4	88.6	89.6	90.3	89.4
75	52.8	52.8	52.8	52.9	52.9	52.9	53.0	53.0	53.1	53.3	53.5	53.7	54.0	54.2	54.4	54.5	54.7	54.8	54.6
80	33.3	33.1	32.8	32.5	32.2	31.8	31.4	30.9	30.5	30.1	29.8	29.4	29.1	28.8	28.5	28.3	28.2	28.1	28.1
85	15.4	15.0	14.5	13.9	13.3	12.7	12.1	11.5	10.9	10.6	10.2	9.96	9.72	9.52	9.37	9.25	9.18	9.15	9.15
90	1.40	1.06	0.92	0.94	1.10	1.37	1.72	2.12	2.55	2.60	2.64	2.68	2.71	2.74	2.77	2.80	2.82	2.84	2.83
95	13.3	11.2	9.26	7.61	6.21	5.07	4.19	3.58	3.22	3.92	4.82	5.88	7.04	8.24	9.43	10.6	11.5	12.4	11.5
100	37.6	34.1	30.8	27.9	25.3	23.0	21.1	19.7	18.7	20.0	21.8	23.8	26.0	28.2	30.4	32.4	34.1	35.5	33.3
105	68.4	64.2	60.2	56.5	53.2	50.3	47.8	45.8	44.4	46.0	48.1	50.6	53.2	55.9	58.6	61.0	63.1	64.7	61.9
110	103	97.8	93.2	89.0	85.2	81.7	78.8	76.4	74.7	76.4	78.7	81.4	84.4	87.4	90.3	93.1	95.4	97.3	94.3
115	138	133	129	124	121	117	114	112	110	111	113	116	118	121	124	126	128	130	127
120	174	169	164	160	156	153	149	147	145	146	148	151	153	156	159	161	163	165	162
125	210	205	201	197	193	189	186	184	182	183	185	188	190	193	196	198	200	202	199
130	246	242	237	233	229	225	222	220	218	219	221	224	226	229	232	234	236	238	235
135	281	276	272	269	265	263	260	258	256	258	259	262	264	266	268	270	272	273	270
140	314	309	305	301	297	293	291	288	287	288	290	293	296	299	301	304	306	308	305
145	346	342	338	335	332	329	327	325	323	325	327	329	331	334	336	338	340	342	339
150	378	374	371	367	364	361	359	357	356	357	359	362	364	367	370	372	374	375	372
155	405	402	399	396	393	391	389	387	386	387	389	391	394	396	398	400	402	404	402
160	428	426	423	421	419	417	416	415	414	415	417	419	421	422	424	426	427	428	426
165	448	446	444	443	441	440	439	438	438	439	440	441	442	444	445	446	447	448	447
170	462	461	460	460	459	458	458	458	458	458	459	459	460	460	461	462	462	462	462
175	472	471	471	471	471	471	471	471	471	471	471	470	470	469	469	468	468	467	467
180	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474

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	1303	1303	1303	1303	1303	1303	1302	1302	1302	1302	1301	1301	1301	1301	1300	1300	1300	1300	1300
5	1298	1296	1295	1293	1291	1289	1287	1285	1283	1281	1279	1277	1276	1275	1273	1272	1272	1273	1273
10	1281	1277	1272	1267	1261	1255	1249	1243	1237	1231	1225	1219	1215	1210	1207	1204	1202	1204	1206
15	1231	1225	1218	1211	1202	1193	1183	1174	1163	1152	1142	1132	1123	1114	1107	1102	1098	1102	1107
20	1104	1101	1098	1095	1090	1085	1079	1073	1061	1049	1037	1026	1015	1005	996	988	983	988	995
25	920	919	919	918	916	915	912	910	903	897	890	883	876	870	865	860	857	860	864
30	745	741	738	734	730	727	723	720	719	719	720	720	721	721	722	723	724	723	722
35	599	594	588	583	577	572	567	563	564	566	568	571	574	577	579	582	584	582	579
40	478	472	466	459	451	444	438	431	430	430	430	430	431	432	434	435	436	435	433
45	368	363	357	350	343	336	329	322	316	311	306	302	298	294	291	289	288	289	291
50	278	274	269	264	258	252	246	239	232	224	217	210	204	198	193	189	187	189	193
55	214	210	205	200	194	188	182	176	172	168	164	161	158	155	153	152	151	152	153
60	166	162	157	152	146	141	135	130	128	126	125	124	123	122	122	122	122	122	122
65	127	124	121	117	113	110	106	102	101	99.5	98.4	97.5	96.8	96.3	96.1	96.0	96.0	95.8	95.7
70	88.4	87.1	85.6	84.0	82.3	80.6	78.9	77.2	76.3	75.5	74.8	74.2	73.7	73.3	73.0	72.8	72.6	72.6	72.6
75	54.4	54.2	53.9	53.6	53.4	53.1	52.9	52.6	52.6	52.7	52.7	52.8	52.8	52.9	53.0	53.0	53.0	52.9	52.6
80	28.3	28.5	28.7	29.0	29.3	29.7	30.1	30.5	31.0	31.5	32.0	32.5	33.0	33.4	33.8	34.0	34.2	33.9	33.5
85	9.19	9.27	9.41	9.59	9.83	10.1	10.5	10.9	11.7	12.5	13.4	14.3	15.1	15.8	16.5	17.1	17.5	17.2	16.7
90	2.83	2.82	2.82	2.81	2.81	2.82	2.83	2.85	2.73	2.63	2.57	2.55	2.59	2.70	2.89	3.18	3.57	4.73	5.97
95	10.4	9.19	7.91	6.61	5.34	4.15	3.11	2.26	2.49	2.95	3.65	4.57	5.70	7.03	8.56	10.3	12.2	15.0	17.9
100	30.7	27.8	24.9	21.9	19.0	16.3	14.0	12.1	13.1	14.7	16.7	19.2	22.0	25.1	28.5	32.1	35.8	39.9	44.0
105	58.7	55.2	51.5	47.8	44.2	41.0	38.2	35.9	37.5	39.7	42.5	45.9	49.6	53.7	58.0	62.6	67.3	72.0	76.6
110	90.8	87.0	83.0	79.1	75.3	71.8	68.8	66.5	68.5	71.2	74.6	78.5	82.9	87.5	92.4	97.5	103	107	111
115	123	120	116	112	108	105	102	100	102	106	109	113	118	123	128	133	139	143	148
120	159	155	151	147	144	140	138	136	138	141	145	149	154	159	164	169	175	180	185
125	195	192	188	184	180	177	174	172	174	178	181	186	191	196	202	207	213	217	222
130	231	227	223	219	216	212	210	208	210	214	218	222	227	232	238	243	248	253	257
135	267	263	259	255	252	249	246	244	246	250	253	258	262	267	273	278	283	288	293
140	302	298	294	290	287	284	281	279	281	284	288	293	297	302	308	313	318	323	327
145	336	332	329	325	322	319	317	315	317	320	323	327	331	336	341	346	351	356	360
150	369	365	361	357	354	350	348	345	347	350	354	357	362	366	371	376	381	386	390
155	399	396	393	390	388	385	383	381	382	384	387	390	393	396	400	404	407	411	415
160	423	420	417	414	412	409	407	405	406	408	411	413	416	420	423	427	430	434	437
165	445	443	441	440	438	436	435	434	435	436	437	439	441	443	445	447	449	452	455
170	461	460	459	458	457	456	455	454	455	455	456	457	458	459	461	462	464	466	468
175	467	468	468	468	468	468	469	469	469	469	470	470	470	471	471	472	472	473	475
180	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474

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	1301	1301	1301	1301	1302	1302	1302	1302	1303	1303	1303	1303	1303	1303	1303				
5	1275	1276	1277	1279	1281	1283	1285	1287	1288	1290	1292	1293	1295	1297	1299				
10	1210	1214	1219	1225	1230	1236	1242	1247	1252	1257	1262	1267	1272	1277	1282				
15	1114	1122	1131	1141	1151	1162	1173	1181	1189	1196	1204	1211	1218	1226	1233				
20	1004	1014	1025	1037	1048	1060	1072	1078	1084	1089	1094	1098	1101	1104	1106				
25	870	876	882	889	896	902	909	912	915	917	919	920	921	921	921				
30	721	720	719	719	718	718	719	720	723	725	728	732	736	740	745				
35	576	573	570	567	564	562	561	563	565	569	573	578	584	591	599				
40	432	430	429	429	428	429	430	433	437	442	448	454	461	469	478				
45	293	297	300	305	310	315	320	325	331	336	342	348	354	361	368				
50	197	203	209	216	223	230	237	243	248	253	258	263	268	273	278				
55	155	157	160	163	166	170	174	178	183	187	192	197	203	208	214				
60	122	122	123	124	125	127	129	132	135	139	144	149	154	160	166				
65	95.8	96.0	96.6	97.3	98.3	99.6	101	103	106	108	111	115	118	122	127				
70	72.7	73.0	73.4	73.8	74.4	75.2	76.0	77.1	78.3	79.6	81.1	82.7	84.4	86.3	88.3				
75	52.4	52.2	52.0	51.9	51.7	51.6	51.6	51.7	51.9	52.1	52.5	52.8	53.2	53.7	54.2				
80	33.1	32.6	32.0	31.4	30.8	30.2	29.6	29.3	29.0	28.8	28.5	28.4	28.2	28.1	28.0				
85	16.1	15.4	14.7	13.9	13.1	12.2	11.4	11.0	10.6	10.2	9.90	9.62	9.39	9.20	9.06				
90	7.26	8.56	9.84	11.1	12.2	13.2	14.0	14.2	14.2	13.9	13.5	12.9	12.0	11.0	9.75				
95	20.8	23.7	26.5	29.2	31.6	33.8	35.6	36.1	36.1	35.8	35.1	33.9	32.3	30.3	27.9				
100	48.0	51.9	55.6	59.0	62.1	64.7	66.8	67.4	67.3	66.7	65.4	63.6	61.3	58.3	54.7				
105	81.2	85.5	89.6	93.3	96.5	99.3	101	102	102	101	99.1	96.8	93.9	90.2	86.0				
110	116	120	123	126	129	131	133	133	133	132	130	127	124	121	116				
115	152	156	160	163	165	168	169	169	168	167	164	161	158	154	149				
120	190	194	198	201	204	207	208	208	207	204	202	198	193	188	182				
125	226	230	234	237	240	242	243	243	242	240	238	235	231	226	221				
130	260	264	267	269	271	273	274	274	274	273	271	269	266	263	259				
135	298	302	306	310	313	315	317	316	315	313	311	307	303	298	293				
140	331	335	338	341	344	345	347	347	346	344	342	339	336	332	327				
145	364	369	372	376	378	380	382	382	381	379	376	373	369	364	359				
150	394	398	401	404	407	409	410	410	409	407	405	402	398	394	389				
155	419	422	425	428	431	433	434	434	433	432	430	427	424	420	415				
160	440	443	446	448	450	452	453	453	452	451	449	447	444	441	437				
165	457	459	461	463	465	466	467	467	467	466	464	463	460	458	455				
170	470	472	473	475	477	478	479	479	479	478	477	476	474	472	470				
175	476	477	478	479	480	481	481	481	481	481	480	479	478	477	476				
180	474	474	474	474	474	474	474	474	474	474	474	474	474	474	474				

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: