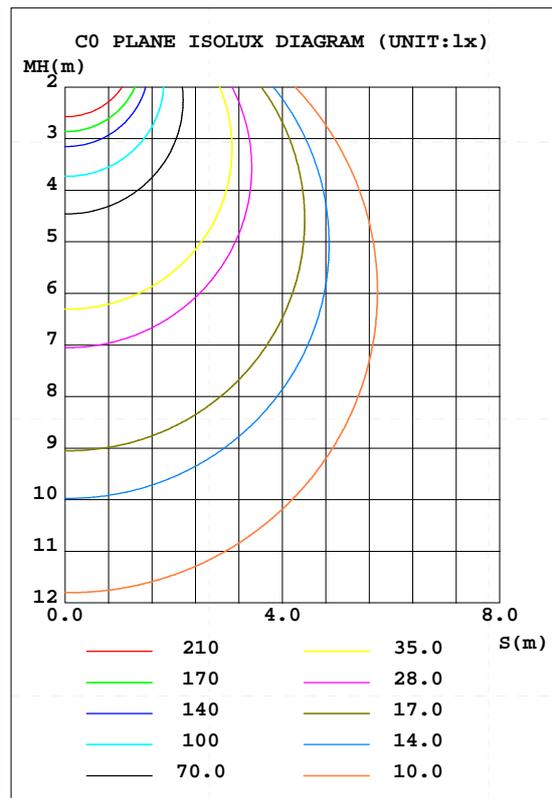
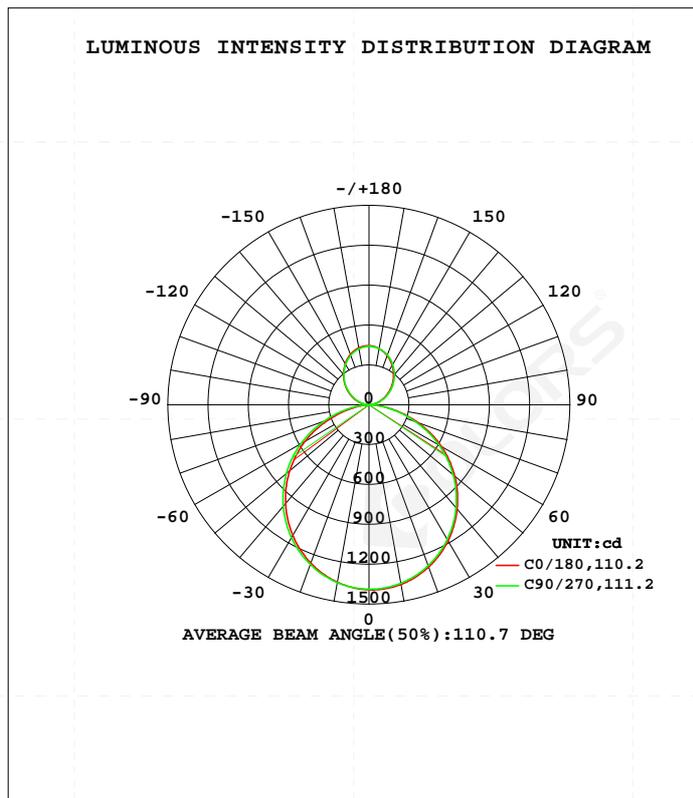


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.2120A P:46.00W PF:0.9000 Freq:50.00Hz Lamp Flux:5006.55x1 lm		
NAME: LLS-LH40DFWS1200(N)-T46NWSN-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*38mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.84 lm/W			
MODEL		I _{max} (cd)	1394	S/MH(C0/180)	1.26
NOMINAL POWER(W)	46	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	5006.6	h UP, DN(C0-180)	11.7, 38.8
NOMINAL FLUX(lm)	5006.55	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	11.0, 38.5
LAMPS INSIDE	1	h up(%)	22.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.0	h down(%)	77.3	CIBSE SHR MAX	1.35



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

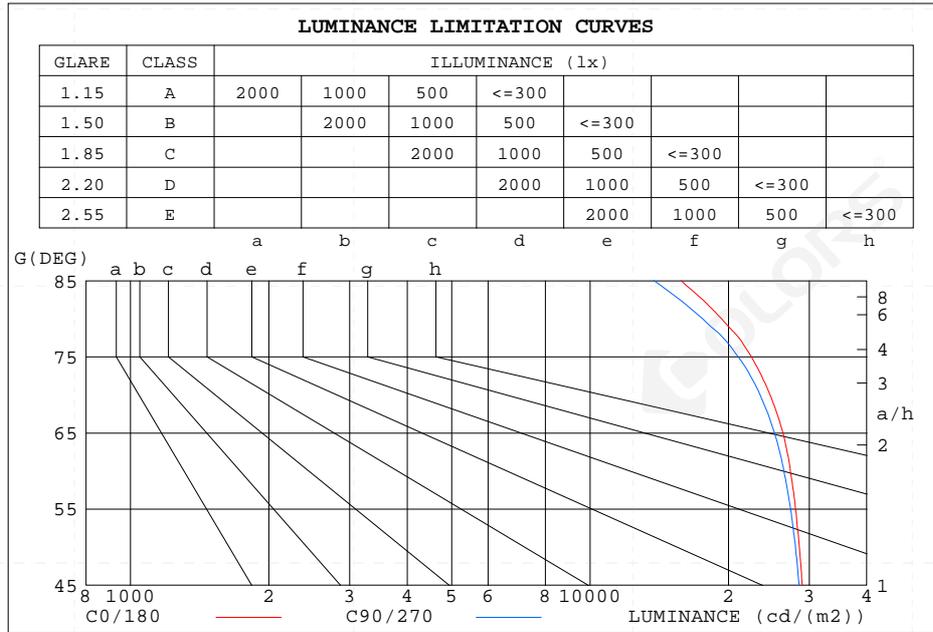
ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1373	1379	1364	1351	1356	1351	1359	1377	0- 10	131.4	131.4	2.63,2.63
20	1300	1315	1289	1261	1269	1259	1279	1309	10- 20	375.5	507.0	10.1,10.1
30	1182	1202	1170	1128	1137	1125	1156	1197	20- 30	566.5	1073	21.4,21.4
40	1024	1050	1011	958.0	969.0	955.6	996.3	1044	30- 40	679.7	1753	35,35
50	836.3	864.4	820.2	758.2	772.3	756.9	805.5	858.6	40- 50	701.4	2455	49,49
60	622.2	651.0	602.2	534.3	551.2	534.9	588.5	646.6	50- 60	629.1	3084	61.6,61.6
70	384.4	416.9	365.8	294.0	308.1	300.4	352.1	415.9	60- 70	470.4	3554	71,71
80	153.1	179.7	139.2	80.67	92.85	86.87	132.8	184.4	70- 80	253.8	3808	76.1,76.1
90	3.394	14.26	1.821	1.786	3.143	2.054	1.703	3.718	80- 90	61.75	3870	77.3,77.3
100	36.36	63.90	38.67	34.51	42.24	18.21	31.22	41.31	90-100	19.86	3890	77.7,77.7
110	93.37	126.8	100.4	93.31	102.4	71.23	92.21	102.2	100-110	71.46	3961	79.1,79.1
120	157.2	194.1	167.2	158.8	167.4	135.9	159.7	169.0	110-120	130.0	4091	81.7,81.7
130	223.7	259.2	233.6	222.5	232.7	202.4	228.9	235.4	120-130	176.9	4268	85.2,85.2
140	287.4	320.7	296.8	284.7	296.4	267.6	293.4	299.1	130-140	202.7	4471	89.3,89.3
150	346.5	374.8	353.2	340.3	356.0	328.7	351.9	357.3	140-150	202.5	4673	93.3,93.3
160	396.4	416.4	401.1	388.6	405.5	384.0	398.1	406.0	150-160	174.0	4847	96.8,96.8
170	431.4	439.8	430.5	423.9	436.6	422.3	429.2	435.6	160-170	117.8	4965	99.2,99.2
180	445.7	445.7	445.7	445.7	445.7	445.7	445.7	445.7	170-180	41.70	5007	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



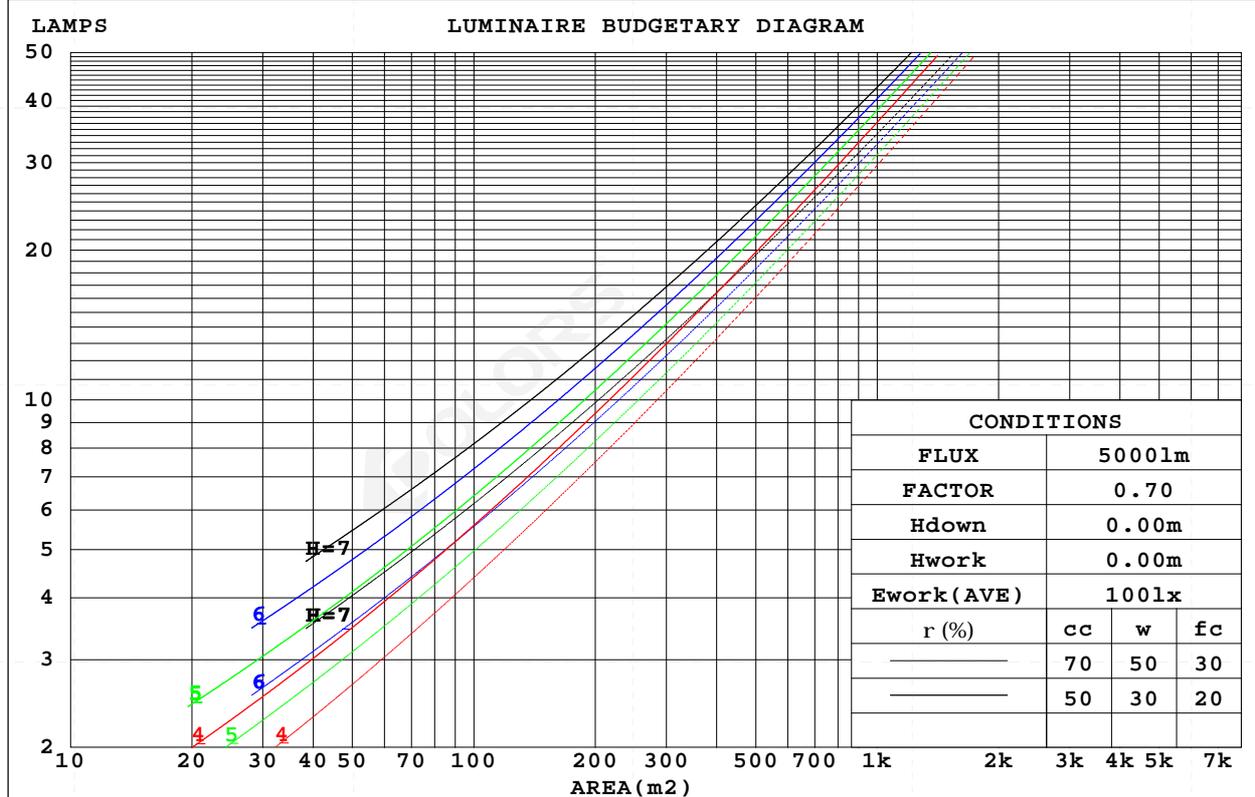
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	15783	13766
80	19332	17581
75	22445	21009
70	24648	23451
65	26286	25183
60	27287	26411
55	28003	27308
50	28534	27981
45	28954	28510

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	1.14	1.14	1.14	1.08	1.08	1.08	.98	.98	.98	.89	.89	.89	.81	.81	.81	.77
1.0	.99	.95	.92	.95	.91	.88	.86	.84	.81	.79	.77	.75	.72	.70	.69	.65
2.0	.87	.80	.75	.83	.77	.72	.76	.71	.67	.69	.65	.62	.63	.60	.57	.54
3.0	.76	.68	.62	.73	.66	.60	.67	.61	.56	.61	.56	.52	.56	.52	.49	.46
4.0	.67	.59	.52	.64	.57	.51	.59	.53	.48	.54	.49	.45	.50	.45	.42	.39
5.0	.60	.51	.45	.58	.50	.44	.53	.46	.41	.49	.43	.39	.45	.40	.36	.34
6.0	.54	.45	.39	.52	.44	.38	.48	.41	.36	.44	.38	.34	.40	.36	.32	.29
7.0	.49	.40	.34	.47	.39	.34	.43	.37	.32	.40	.34	.30	.37	.32	.28	.26
8.0	.44	.36	.31	.43	.35	.30	.40	.33	.28	.37	.31	.27	.34	.29	.25	.23
9.0	.41	.33	.27	.39	.32	.27	.36	.30	.25	.34	.28	.24	.31	.26	.23	.21
10.0	.37	.30	.25	.36	.29	.24	.34	.27	.23	.31	.26	.22	.29	.24	.21	.19



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	.293	.167	.053	.279	.159	.051	.253	.145	.046	.230	.132	.042	.207	.120	.039	
2.0	.276	.151	.046	.264	.145	.045	.240	.134	.041	.218	.123	.038	.198	.112	.035	
3.0	.256	.136	.041	.245	.131	.039	.223	.121	.037	.204	.112	.034	.185	.103	.032	
4.0	.237	.123	.036	.227	.119	.035	.207	.110	.033	.189	.102	.031	.173	.094	.029	
5.0	.219	.112	.032	.210	.108	.031	.192	.100	.029	.176	.093	.028	.161	.086	.026	
6.0	.204	.102	.029	.195	.099	.028	.179	.092	.027	.164	.085	.025	.150	.079	.023	
7.0	.190	.094	.027	.182	.091	.026	.167	.085	.024	.153	.079	.023	.140	.073	.021	
8.0	.178	.087	.024	.171	.084	.024	.157	.078	.022	.144	.073	.021	.132	.068	.020	
9.0	.167	.081	.023	.160	.078	.022	.147	.073	.021	.135	.068	.019	.124	.063	.018	
10.0	.157	.075	.021	.151	.073	.020	.139	.068	.019	.128	.063	.018	.117	.059	.017	

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	.363	.363	.363	.311	.311	.311	.212	.212	.212	.122	.122	.122	.039	.039	.039	
1.0	.354	.331	.310	.303	.284	.267	.207	.195	.185	.119	.113	.107	.038	.036	.035	
2.0	.346	.308	.276	.296	.265	.238	.203	.183	.166	.117	.107	.097	.038	.034	.032	
3.0	.338	.291	.253	.290	.251	.219	.199	.174	.154	.115	.102	.091	.037	.033	.030	
4.0	.331	.278	.237	.284	.240	.206	.195	.167	.145	.113	.098	.086	.036	.032	.028	
5.0	.324	.268	.227	.278	.232	.197	.192	.162	.139	.111	.095	.083	.036	.031	.027	
6.0	.317	.260	.219	.273	.225	.191	.188	.158	.135	.109	.093	.080	.035	.030	.026	
7.0	.311	.254	.213	.268	.220	.186	.185	.154	.132	.107	.091	.078	.035	.030	.026	
8.0	.305	.248	.209	.263	.215	.182	.182	.151	.129	.106	.089	.077	.034	.029	.026	
9.0	.299	.243	.206	.258	.211	.179	.179	.148	.127	.104	.088	.076	.034	.029	.025	
10.0	.294	.239	.203	.253	.208	.177	.176	.146	.126	.102	.086	.075	.033	.028	.025	

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	17.9	19.1	18.4	19.6	20.3	17.7	19.0	18.3	19.5	20.1
3H	19.4	20.5	20.0	21.0	21.7	19.2	20.3	19.8	20.8	21.5
4H	19.9	21.0	20.5	21.6	22.2	19.7	20.7	20.3	21.3	22.0
6H	20.3	21.2	20.9	21.9	22.6	20.0	21.0	20.6	21.6	22.3
8H	20.4	21.3	21.0	21.9	22.7	20.1	21.0	20.7	21.6	22.4
12H	20.4	21.3	21.1	21.9	22.7	20.1	21.0	20.8	21.6	22.4
4H 2H	18.4	19.5	19.1	20.1	20.8	18.3	19.4	19.0	20.0	20.7
3H	20.1	21.0	20.8	21.6	22.4	20.0	20.8	20.6	21.5	22.2
4H	20.8	21.6	21.5	22.3	23.0	20.6	21.4	21.3	22.1	22.8
6H	21.3	22.0	22.0	22.7	23.5	21.0	21.7	21.7	22.4	23.2
8H	21.4	22.1	22.1	22.8	23.6	21.2	21.8	21.9	22.5	23.3
12H	21.5	22.1	22.2	22.8	23.7	21.2	21.8	21.9	22.5	23.4
8H 4H	21.0	21.7	21.7	22.4	23.2	20.8	21.5	21.6	22.2	23.0
6H	21.7	22.2	22.4	22.9	23.8	21.4	22.0	22.2	22.7	23.6
8H	21.9	22.4	22.7	23.1	24.0	21.6	22.1	22.4	22.9	23.8
12H	22.1	22.5	22.8	23.2	24.2	21.8	22.2	22.6	23.0	23.9
12H 4H	21.0	21.6	21.7	22.3	23.2	20.8	21.4	21.6	22.2	23.0
6H	21.7	22.2	22.5	22.9	23.8	21.5	22.0	22.3	22.7	23.6
8H	22.0	22.4	22.8	23.2	24.1	21.7	22.1	22.5	22.9	23.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 5007 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.6)

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:

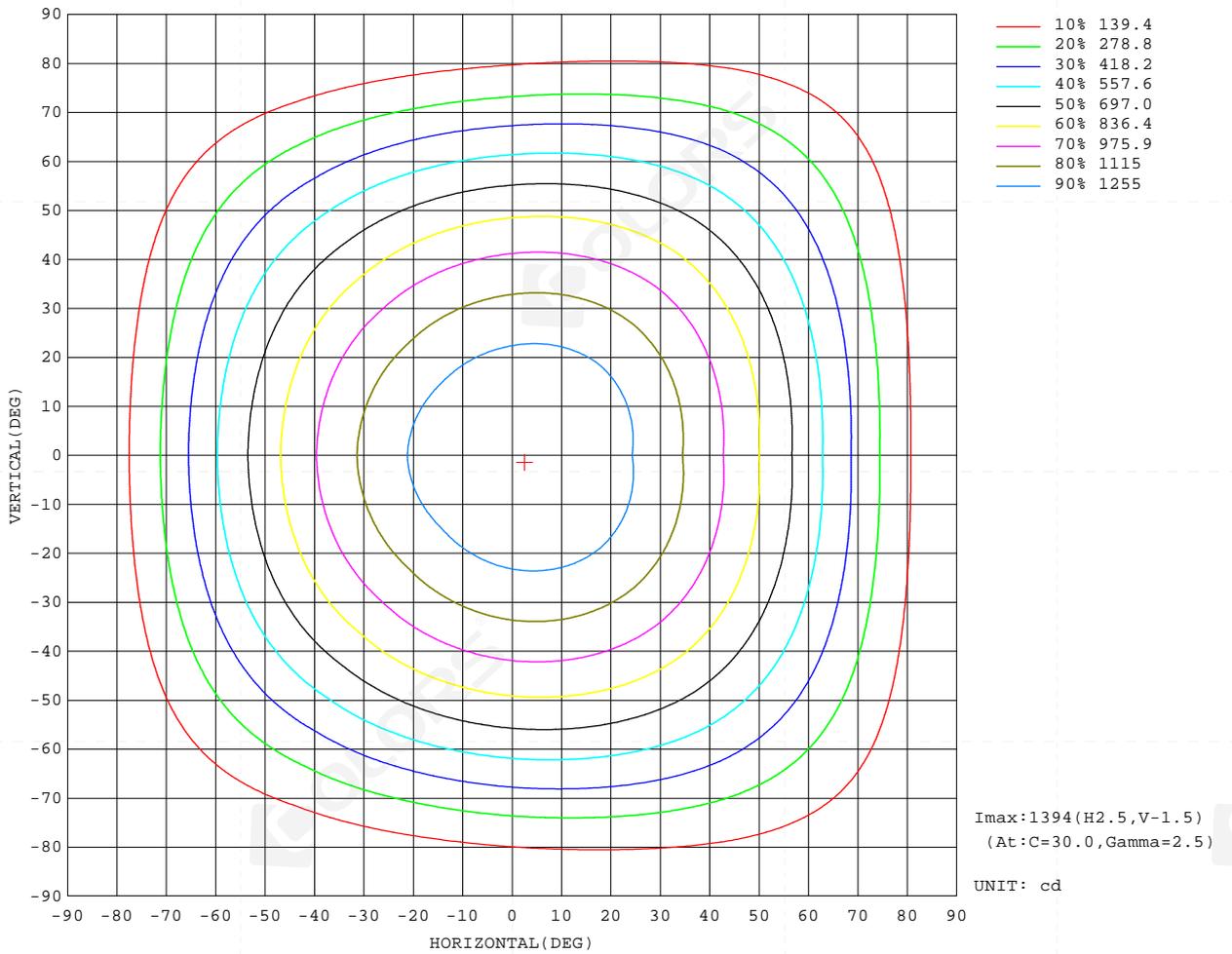
UTILIZATION FACTORS TABLE

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	52	40	34	50	40	33	47	38	32	25
0.80	61	50	43	59	49	42	56	47	40	32
1.00	70	58	51	67	57	50	63	56	48	39
1.25	77	66	59	74	64	57	68	61	55	45
1.50	82	72	64	78	69	63	73	65	60	49
2.00	89	80	73	85	77	71	78	72	67	54
2.50	93	85	79	89	82	76	82	76	71	58
3.00	96	89	83	92	86	81	84	79	75	61
4.00	100	94	90	96	91	86	88	84	80	65
5.00	103	98	94	98	94	90	90	86	83	67
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:

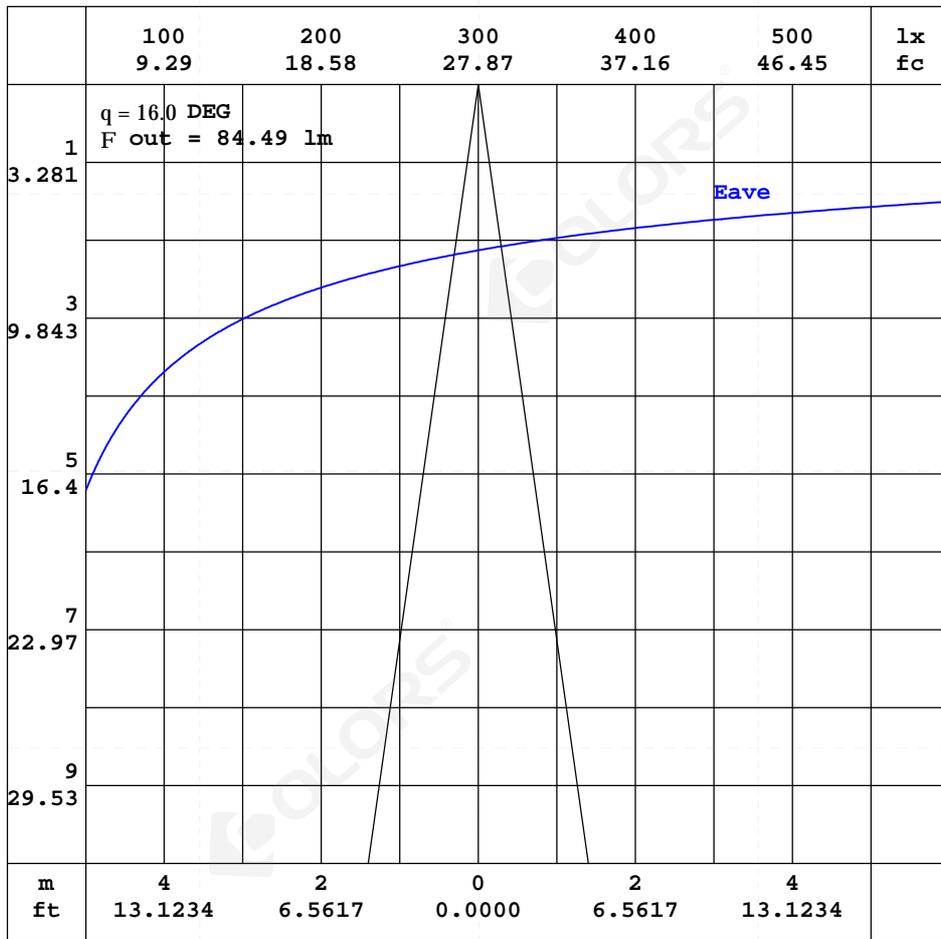
ISOCANDELA DIAGRAM



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

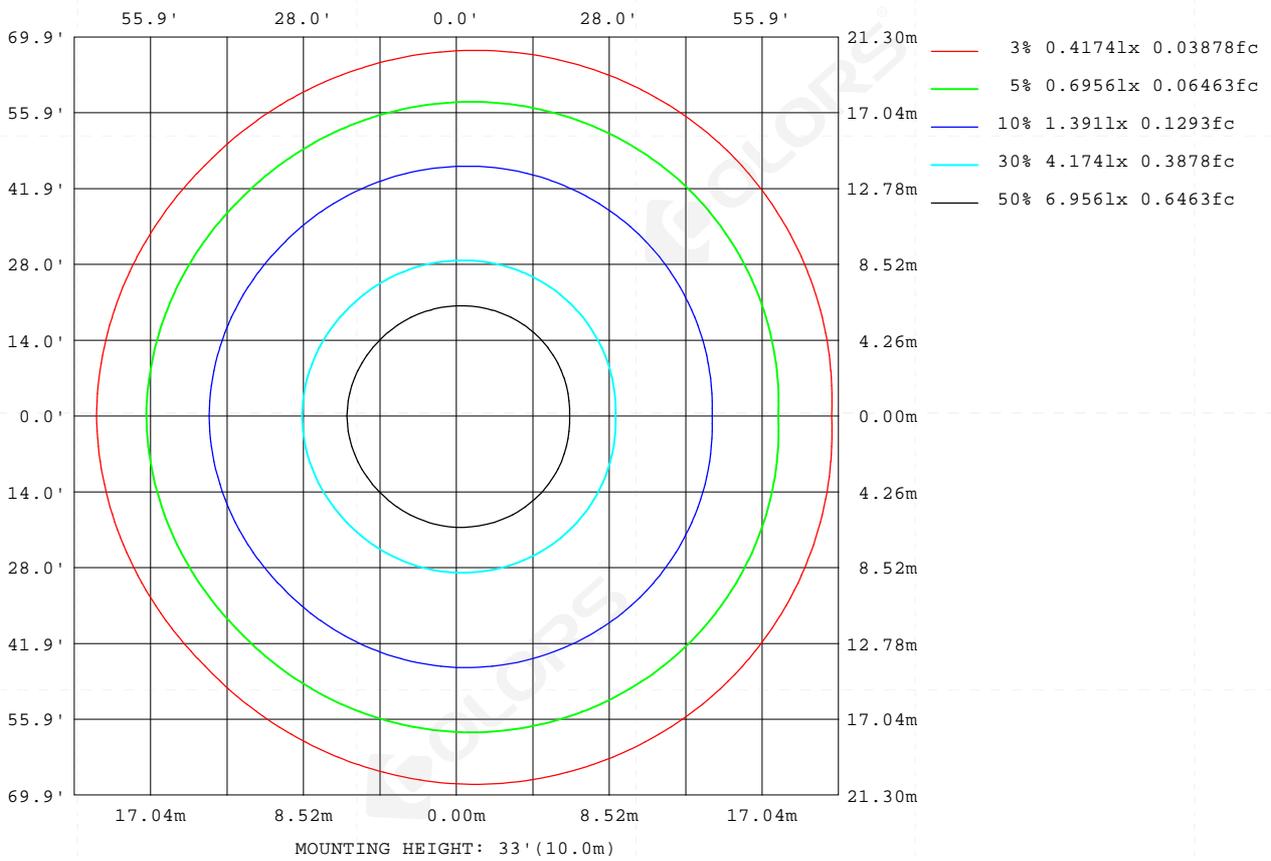


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2120A P:46.00W PF:0.9000 Freq:50.00Hz Lamp Flux:5006.55x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*38mm	Shielding Angle:

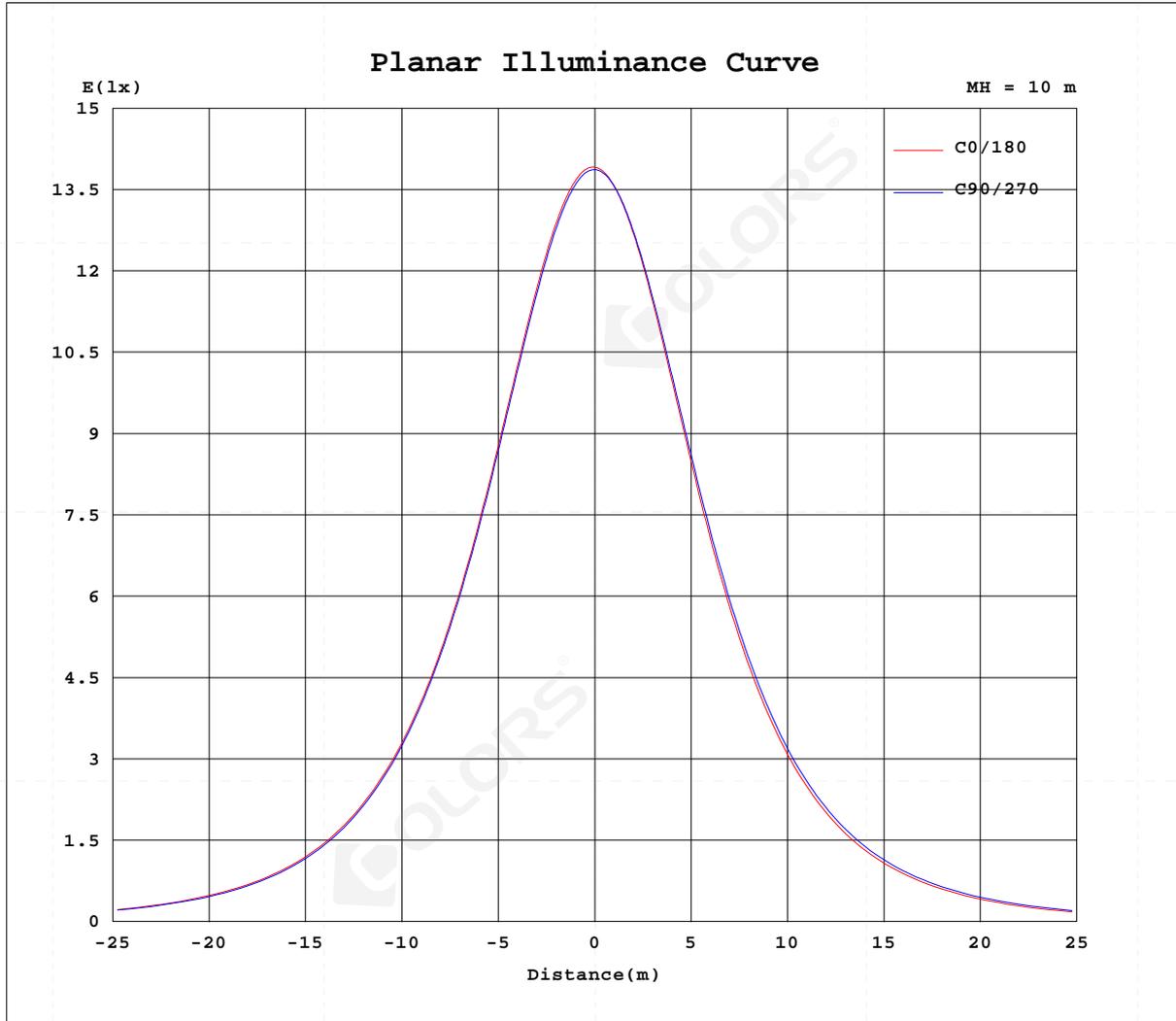
AvgL	cd/m2
L_0~180(65)av	24344
L_0~180(75)av	19387
L_0~180(85)av	10559
L_90~270(65)av	24847
L_90~270(75)av	20572
L_90~270(85)av	13173
L_45(65)av	24666
L_45(75)av	20272
L_45(85)av	12627

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	1391	1392	1392	1392	1392	1392	1392	1392	1392	1392	1391	1391	1390	1390	1389	1389	1388	1388	1387
5	1389	1390	1391	1392	1392	1392	1393	1393	1392	1392	1391	1390	1389	1388	1387	1386	1384	1383	1382
10	1373	1374	1376	1377	1378	1379	1379	1380	1380	1379	1378	1377	1375	1373	1372	1370	1368	1366	1364
15	1343	1346	1348	1350	1351	1352	1353	1354	1354	1353	1352	1350	1348	1346	1344	1341	1338	1335	1332
20	1300	1304	1307	1309	1312	1313	1314	1315	1315	1315	1313	1311	1309	1306	1303	1300	1296	1293	1289
25	1246	1251	1254	1257	1260	1262	1263	1264	1264	1264	1262	1260	1257	1254	1251	1247	1243	1239	1234
30	1182	1187	1191	1194	1197	1200	1201	1202	1202	1202	1200	1198	1195	1192	1188	1184	1179	1174	1170
35	1107	1113	1118	1122	1125	1128	1129	1131	1131	1131	1129	1126	1123	1119	1115	1110	1105	1100	1095
40	1024	1030	1036	1040	1044	1046	1048	1050	1050	1050	1048	1045	1041	1037	1033	1028	1022	1017	1011
45	934	940	945	950	954	957	959	960	961	960	958	955	952	948	943	937	932	926	919
50	836	843	849	854	858	861	863	864	865	864	862	859	855	850	845	840	833	827	820
55	732	739	745	750	754	757	759	760	761	760	758	754	750	746	740	734	728	721	714
60	622	629	635	640	645	648	650	651	652	651	648	645	640	635	630	623	617	610	602
65	507	514	520	525	530	533	535	536	537	536	533	530	525	520	514	507	500	493	485
70	384	392	399	405	409	413	415	417	417	417	414	411	406	401	395	388	381	374	366
75	265	272	278	283	288	291	293	295	295	295	292	289	285	280	275	269	262	255	248
80	153	159	165	169	173	176	178	180	180	180	178	175	171	167	162	157	151	145	139
85	62.7	67.5	71.6	75.1	78.0	80.3	82.0	83.1	83.5	83.4	82.0	80.0	77.5	74.5	71.2	67.5	63.4	59.2	54.7
90	3.39	5.75	7.82	9.61	11.1	12.3	13.2	13.9	14.2	14.3	13.4	12.3	10.9	9.49	7.94	6.35	4.77	3.24	1.82
95	15.2	19.6	23.5	26.9	29.8	32.1	33.9	35.2	35.9	36.2	34.8	32.9	30.7	28.2	25.6	22.8	20.0	17.3	14.8
100	36.4	42.0	47.0	51.4	55.1	58.2	60.6	62.3	63.4	63.9	62.4	60.3	57.7	54.8	51.7	48.4	45.1	41.8	38.7
105	63.4	69.7	75.3	80.2	84.4	87.8	90.6	92.6	94.0	94.6	93.1	91.0	88.3	85.3	82.0	78.6	75.0	71.5	68.2
110	93.4	100	106	111	116	119	122	125	126	127	125	123	121	118	114	111	107	104	100
115	125	132	138	143	148	152	155	157	159	160	158	156	154	151	148	144	141	137	134
120	157	164	171	177	182	186	189	191	193	194	193	191	188	185	182	178	175	171	167
125	191	198	204	210	215	219	222	224	226	227	226	224	221	218	215	211	208	204	201
130	224	231	237	242	247	251	254	257	258	259	258	256	254	251	248	244	241	237	234
135	256	263	269	274	279	282	285	288	289	290	289	287	285	282	279	276	273	269	266
140	287	294	300	305	309	313	316	318	320	321	320	318	316	313	310	307	303	300	297
145	318	324	329	334	338	342	345	347	348	349	348	346	344	342	339	336	332	329	326
150	347	352	357	361	365	368	371	373	374	375	374	372	370	368	365	362	359	356	353
155	373	378	382	386	389	392	394	396	397	397	397	396	394	392	390	388	385	383	380
160	396	400	404	407	410	412	414	415	416	416	416	415	413	412	410	408	406	403	401
165	416	419	422	424	426	428	429	430	430	431	430	429	428	427	425	423	422	420	418
170	431	433	435	436	437	438	439	439	440	440	439	439	438	437	435	434	433	432	430
175	441	442	443	443	443	444	444	444	444	444	443	443	442	442	441	440	440	439	438
180	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446

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	1387	1388	1388	1388	1388	1389	1389	1389	1390	1390	1390	1390	1391	1391	1391	1391	1391	1391	1391
5	1381	1380	1380	1379	1378	1378	1377	1377	1377	1377	1377	1378	1378	1379	1379	1380	1380	1381	1380
10	1362	1360	1358	1356	1355	1354	1352	1351	1351	1351	1351	1352	1352	1353	1354	1355	1355	1356	1355
15	1330	1327	1324	1321	1319	1317	1315	1313	1311	1312	1312	1313	1314	1315	1316	1317	1317	1318	1318
20	1285	1282	1278	1275	1271	1268	1265	1263	1261	1261	1261	1262	1263	1264	1265	1266	1268	1269	1267
25	1230	1225	1221	1217	1213	1209	1205	1202	1200	1199	1200	1201	1202	1203	1204	1205	1207	1208	1206
30	1164	1159	1154	1148	1144	1139	1135	1131	1128	1128	1128	1129	1130	1131	1133	1134	1136	1137	1135
35	1089	1083	1077	1071	1065	1060	1055	1051	1047	1047	1047	1048	1049	1051	1052	1054	1056	1057	1055
40	1004	998	991	984	978	972	967	962	958	958	958	959	960	962	964	966	967	969	967
45	912	905	898	891	884	877	871	866	862	861	862	863	864	866	868	870	872	874	872
50	812	805	797	789	782	775	769	763	758	758	758	760	761	763	766	768	770	772	770
55	706	698	690	682	674	667	660	654	649	649	649	651	653	655	657	660	662	665	663
60	594	585	577	568	560	553	546	540	534	534	535	536	538	541	543	546	549	551	549
65	476	467	458	450	441	433	426	420	414	414	415	416	418	421	423	426	429	432	430
70	357	348	339	330	322	314	306	300	294	293	294	294	296	298	300	303	306	308	307
75	239	231	222	214	205	198	190	184	178	178	178	179	181	183	185	188	190	193	192
80	132	125	117	110	103	96.7	90.7	85.3	80.7	80.2	80.4	81.3	82.6	84.4	86.4	88.6	90.8	92.8	91.8
85	49.7	44.6	39.5	34.5	29.7	25.1	20.9	17.1	13.9	13.4	13.4	13.9	14.7	15.8	17.1	18.5	19.9	21.2	20.5
90	1.41	1.13	0.97	0.93	0.97	1.10	1.29	1.52	1.79	1.94	2.10	2.27	2.45	2.61	2.77	2.92	3.04	3.14	3.08
95	13.8	13.0	12.5	12.1	11.9	11.9	12.0	12.3	12.7	13.5	14.4	15.3	16.2	17.0	17.7	18.3	18.7	18.8	17.4
100	37.3	36.2	35.4	34.8	34.3	34.1	34.1	34.2	34.5	35.6	36.7	37.9	39.1	40.1	41.0	41.7	42.2	42.2	39.9
105	66.6	65.2	64.1	63.3	62.6	62.2	62.0	62.0	62.1	63.4	64.8	66.2	67.6	68.9	70.0	70.8	71.3	71.5	68.5
110	98.7	97.3	96.0	95.0	94.3	93.7	93.4	93.2	93.3	94.6	95.9	97.3	98.7	100.0	101	102	102	102	99.2
115	132	130	129	128	127	127	126	126	126	127	128	130	131	132	133	134	135	135	131
120	165	164	162	161	160	160	159	159	159	160	161	163	164	165	166	167	167	167	164
125	199	197	196	194	193	192	192	191	191	192	194	195	196	198	199	200	200	200	197
130	232	230	228	226	225	224	223	223	222	224	225	227	228	229	231	232	232	233	230
135	264	262	260	258	257	256	255	255	254	256	257	258	260	262	263	264	265	265	262
140	295	293	291	289	288	287	286	285	285	286	288	289	291	292	294	295	296	296	293
145	324	322	320	318	317	316	315	314	314	315	317	318	320	322	324	325	326	327	324
150	351	349	347	345	344	342	341	341	340	342	344	346	348	350	352	354	355	356	353
155	378	376	374	372	370	368	367	366	366	367	370	372	374	376	379	381	382	383	381
160	399	397	395	394	392	391	390	389	389	390	392	394	397	399	401	403	404	406	404
165	417	415	414	412	411	410	409	409	408	410	412	414	416	418	419	421	422	424	422
170	429	428	427	426	425	425	424	424	424	425	427	428	430	432	433	434	436	437	435
175	438	437	436	436	435	435	435	434	434	435	437	438	439	440	441	442	443	444	443
180	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446

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	1392	1392	1392	1392	1392	1392	1392	1392	1391	1391	1390	1390	1389	1389	1388	1388	1387	1387	1388
5	1380	1380	1379	1379	1379	1378	1378	1378	1378	1378	1378	1378	1378	1378	1379	1379	1380	1381	1382
10	1355	1354	1354	1353	1352	1352	1351	1351	1351	1352	1352	1353	1354	1355	1356	1358	1359	1361	1363
15	1317	1316	1315	1314	1313	1312	1311	1311	1312	1312	1314	1315	1317	1319	1320	1323	1325	1328	1331
20	1266	1265	1264	1263	1261	1260	1260	1259	1260	1262	1264	1266	1268	1271	1273	1276	1279	1283	1287
25	1205	1203	1202	1200	1199	1198	1197	1197	1198	1200	1203	1206	1209	1212	1215	1219	1223	1227	1232
30	1134	1132	1130	1129	1127	1126	1125	1125	1127	1129	1132	1136	1139	1143	1147	1152	1156	1162	1167
35	1054	1052	1050	1048	1047	1046	1045	1044	1047	1050	1053	1057	1061	1066	1070	1075	1081	1086	1092
40	965	963	961	960	958	957	956	956	958	962	965	970	975	980	985	991	996	1003	1009
45	870	868	866	864	862	861	860	860	863	867	871	875	881	886	892	898	904	911	918
50	768	766	764	761	760	758	757	757	760	764	769	774	780	786	792	799	805	813	820
55	660	658	655	653	651	650	649	648	652	656	661	667	673	679	686	693	700	707	715
60	547	544	542	540	538	536	535	535	539	543	548	554	560	567	574	581	588	596	604
65	428	426	424	422	420	419	418	418	422	427	432	438	444	451	458	465	472	480	489
70	305	304	303	301	300	300	300	300	304	308	313	319	325	331	338	345	352	361	369
75	190	189	188	186	186	185	185	186	190	194	199	205	211	217	224	231	238	246	254
80	90.6	89.4	88.3	87.3	86.6	86.2	86.3	86.9	90.3	94.2	98.7	104	109	115	120	127	133	140	147
85	19.6	18.8	18.0	17.4	16.9	16.7	16.9	17.4	19.8	22.6	25.8	29.3	33.1	37.1	41.3	45.6	50.0	55.0	59.9
90	3.00	2.89	2.77	2.64	2.49	2.34	2.20	2.05	1.95	1.85	1.77	1.71	1.66	1.64	1.63	1.65	1.70	1.90	2.11
95	15.7	13.9	12.0	10.1	8.16	6.36	4.70	3.25	3.25	3.49	3.95	4.59	5.40	6.34	7.38	8.50	9.66	10.7	11.7
100	37.2	34.4	31.4	28.4	25.5	22.8	20.3	18.2	18.6	19.3	20.4	21.8	23.4	25.2	27.2	29.2	31.2	32.7	34.1
105	65.3	61.7	58.1	54.4	50.9	47.6	44.6	42.1	42.8	43.9	45.5	47.5	49.7	52.1	54.7	57.3	59.9	61.6	63.2
110	95.7	91.9	88.0	84.1	80.4	76.9	73.8	71.2	72.1	73.6	75.5	77.9	80.5	83.3	86.3	89.3	92.2	94.0	95.6
115	128	124	120	116	112	109	106	103	104	106	108	110	113	116	120	123	126	128	129
120	160	157	153	149	145	141	138	136	137	139	141	144	147	150	153	157	160	162	163
125	193	189	185	182	178	174	171	169	171	173	175	178	182	185	189	192	195	197	199
130	226	222	218	215	211	208	205	202	204	206	209	212	215	219	222	226	229	231	232
135	259	255	251	247	244	241	238	235	237	239	242	245	248	251	255	258	262	263	265
140	290	287	283	279	276	273	270	268	269	271	274	277	280	283	287	290	293	295	296
145	321	317	314	310	307	304	301	299	300	303	305	308	311	314	318	321	324	326	327
150	350	347	344	340	337	334	331	329	330	332	334	337	340	343	346	349	352	353	355
155	378	375	372	369	365	362	359	357	358	360	362	364	366	369	372	374	377	379	380
160	401	399	396	394	391	388	386	384	385	385	387	388	390	392	394	396	398	399	401
165	420	418	416	414	411	409	407	405	406	406	407	408	410	411	413	414	416	417	418
170	434	432	431	429	427	425	424	422	422	423	423	424	425	426	427	428	429	430	431
175	443	442	441	439	438	437	436	435	435	435	435	435	436	436	437	437	438	438	439
180	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446

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	1388	1388	1388	1389	1389	1389	1390	1390	1390	1390	1391	1391	1391	1391	1391				
5	1383	1384	1386	1387	1388	1389	1390	1390	1391	1391	1391	1391	1391	1390	1390				
10	1365	1368	1370	1372	1374	1375	1377	1377	1378	1378	1378	1377	1376	1375	1374				
15	1334	1337	1340	1343	1345	1348	1350	1350	1351	1351	1350	1350	1349	1347	1345				
20	1291	1294	1298	1301	1304	1307	1309	1310	1311	1311	1310	1309	1308	1306	1303				
25	1236	1241	1245	1249	1253	1256	1258	1259	1260	1260	1259	1257	1256	1253	1250				
30	1172	1177	1182	1186	1190	1194	1197	1198	1198	1198	1197	1195	1193	1190	1186				
35	1098	1103	1108	1113	1118	1122	1125	1126	1126	1126	1125	1123	1120	1116	1112				
40	1015	1021	1027	1032	1036	1040	1044	1045	1045	1045	1043	1041	1038	1035	1030				
45	924	931	937	942	947	952	955	956	957	956	955	952	949	945	940				
50	827	833	840	845	850	855	859	860	860	860	858	856	852	848	843				
55	722	729	735	742	747	752	755	757	757	757	755	752	749	744	739				
60	612	619	626	632	638	643	647	648	648	648	646	643	639	635	629				
65	496	504	511	518	524	529	533	534	535	534	532	529	525	520	514				
70	377	385	393	400	406	412	416	417	417	416	414	410	405	400	393				
75	262	269	277	283	289	294	298	299	299	297	295	291	286	280	273				
80	154	160	166	172	177	181	184	185	185	183	181	177	173	167	161				
85	64.8	69.4	73.7	77.6	81.0	83.9	86.1	86.4	86.1	84.9	83.1	80.5	77.1	73.1	68.3				
90	2.34	2.59	2.83	3.07	3.31	3.52	3.72	3.80	3.85	3.87	3.86	3.83	3.76	3.67	3.55				
95	12.8	13.8	14.7	15.6	16.4	17.2	17.8	18.0	18.1	18.1	17.9	17.7	17.2	16.7	16.0				
100	35.5	36.8	38.0	39.0	39.9	40.7	41.3	41.5	41.5	41.3	41.0	40.4	39.7	38.8	37.7				
105	64.7	66.0	67.2	68.2	69.1	69.8	70.2	70.3	70.2	69.9	69.3	68.5	67.6	66.4	65.0				
110	97.1	98.5	99.6	101	101	102	102	102	102	101	101	99.6	98.4	97.0	95.3				
115	131	132	133	134	135	135	135	135	135	134	133	132	131	129	127				
120	165	166	167	168	169	169	169	169	168	167	166	165	164	162	160				
125	200	201	202	202	202	203	202	202	201	201	199	198	197	195	193				
130	233	234	235	235	236	236	235	235	234	233	232	231	230	228	226				
135	266	267	267	268	268	268	268	267	267	266	265	263	262	260	258				
140	297	298	299	299	299	299	299	299	298	297	296	295	293	291	290				
145	328	328	329	329	329	329	329	328	328	327	326	325	323	322	320				
150	356	356	357	357	358	358	357	357	356	356	355	353	352	350	349				
155	381	382	383	384	384	384	384	384	383	383	382	380	379	377	375				
160	402	403	404	405	405	406	406	406	405	405	404	403	402	400	398				
165	419	420	421	422	422	423	423	423	423	423	422	421	420	419	418				
170	432	433	433	434	435	435	436	436	436	435	435	435	434	433	432				
175	439	440	440	441	441	442	442	442	442	442	442	442	442	442	442				
180	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446				

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: