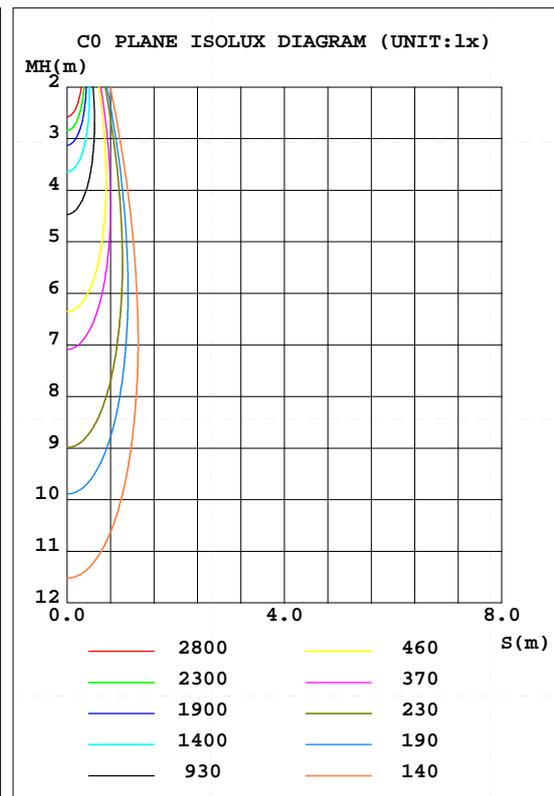
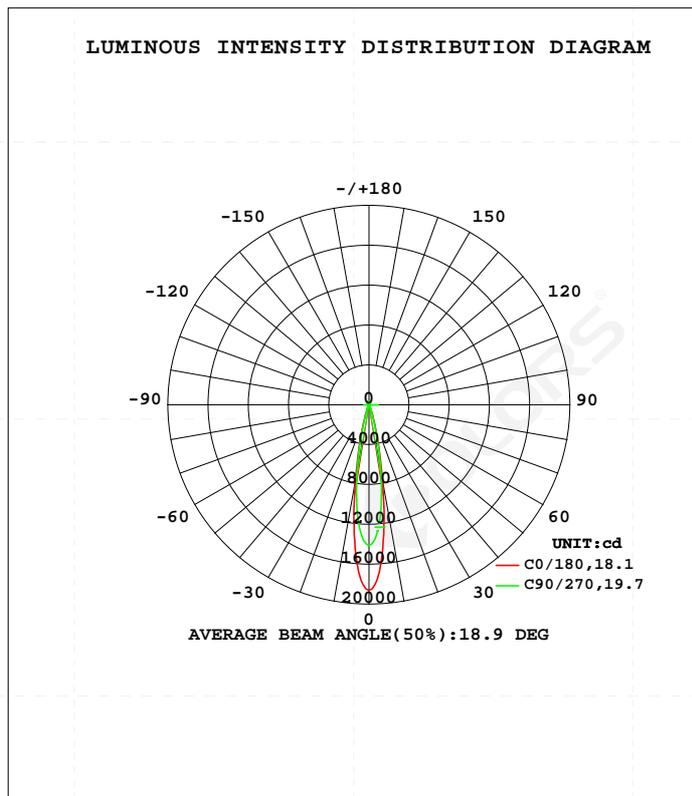


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.1890A P:41.00W PF:0.9000 Freq:50.00Hz Lamp Flux:3551x1 lm		
NAME:LLS-LH40GEFWS1200 (N)-T41NWSN-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1140*38	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		I _{max} (cd)	18582	S/MH(C0/180)	0.31
NOMINAL POWER(W)	41	LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	3551.0	h UP, DN(C0-180)	14.4, 35.8
NOMINAL FLUX(lm)	3551	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	14.1, 35.8
LAMPS INSIDE	1	h up(%)	28.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220.0	h down(%)	71.6	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

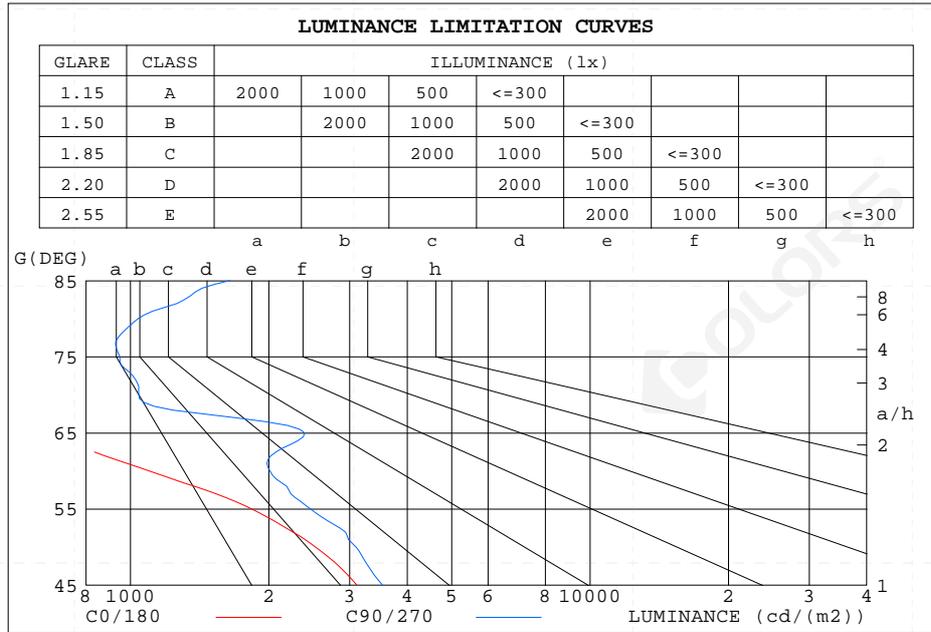
ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	801.1	851.9	689.8	852.0	801.0	852.0	689.7	851.9	0- 10	1104	1104	31.1,31.1
20	94.91	117.8	91.66	117.9	94.85	117.9	91.66	117.8	10- 20	930.2	2034	57.3,57.3
30	24.75	27.98	26.84	28.11	24.67	28.13	26.84	28.06	20- 30	232.8	2267	63.8,63.8
40	11.78	13.34	13.49	13.48	11.72	13.52	13.52	13.43	30- 40	114.5	2382	67.1,67.1
50	6.989	7.653	8.566	7.793	6.903	7.850	8.610	7.746	40- 50	79.49	2461	69.3,69.3
60	2.370	3.143	4.328	3.257	2.304	3.326	4.375	3.222	50- 60	47.65	2509	70.7,70.7
70	0.5977	0.7338	1.534	0.8468	0.5725	0.8964	1.571	0.8052	60- 70	20.72	2530	71.2,71.2
80	0.3928	0.3120	0.7751	0.4282	0.3782	0.4572	0.8406	0.3798	70- 80	6.965	2537	71.4,71.4
90	0.3916	1.438	0.1413	0.1785	0.4004	0.2064	0.2394	0.8953	80- 90	5.128	2542	71.6,71.6
100	3.199	5.940	3.311	1.920	3.893	1.346	3.078	5.010	90-100	18.86	2561	72.1,72.1
110	8.258	11.56	8.684	6.715	9.152	5.994	8.495	10.23	100-110	63.96	2624	73.9,73.9
120	13.72	17.37	14.53	12.35	14.87	11.72	14.64	16.41	110-120	115.2	2740	77.2,77.2
130	19.40	23.22	20.31	18.15	20.64	17.63	20.79	22.24	120-130	156.5	2896	81.6,81.6
140	24.85	28.64	25.86	24.06	26.33	23.45	26.52	27.92	130-140	179.7	3076	86.6,86.6
150	30.28	33.40	30.86	29.47	31.58	28.94	31.61	32.76	140-150	179.6	3255	91.7,91.7
160	34.73	37.02	34.93	34.18	35.81	33.66	35.62	37.04	150-160	154.2	3410	96,96
170	37.84	39.03	37.91	37.65	38.20	37.40	38.18	39.21	160-170	104.5	3514	99,99
180	38.99	38.99	38.99	38.99	38.99	38.99	38.99	38.99	170-180	36.93	3551	100,100
DEG	LUMINOUS INTENSITY:×10cd								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



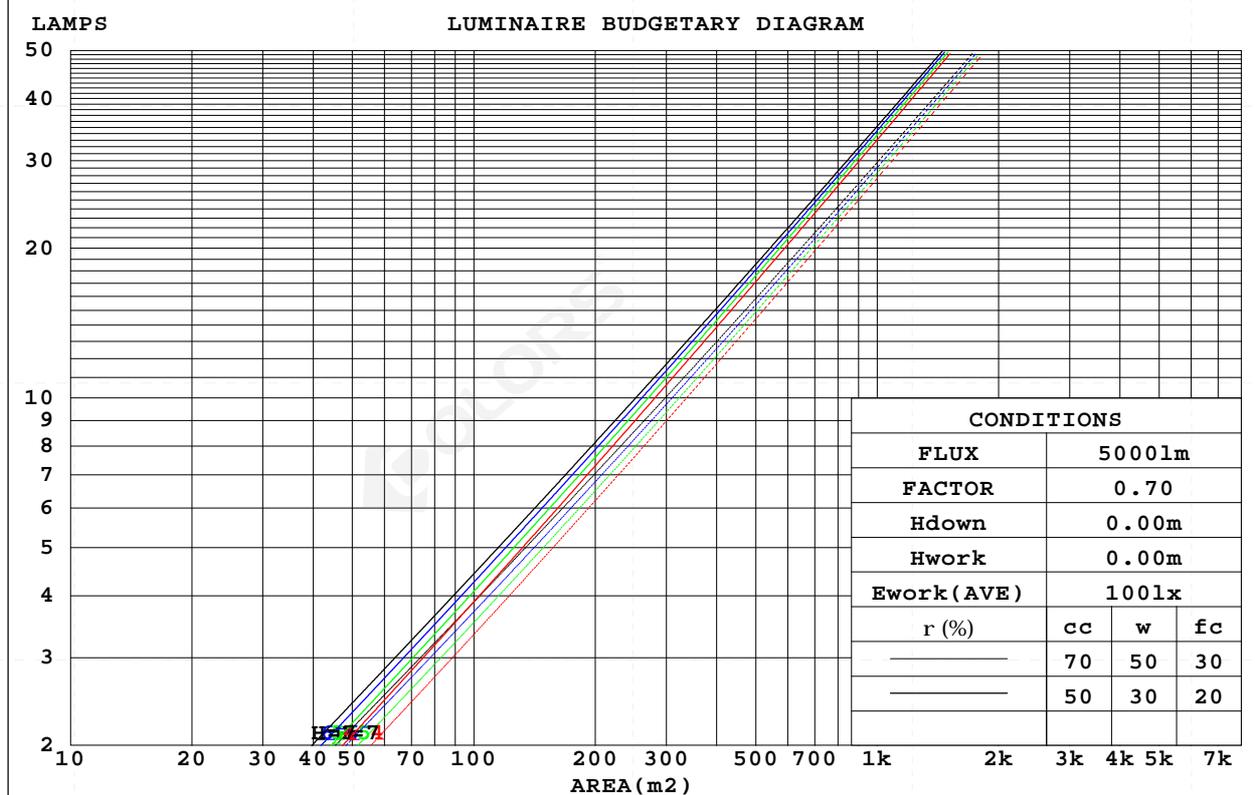
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	838	1644
80	526	1038
75	433	948
70	406	1043
65	670	2395
60	1103	2013
55	1839	2468
50	2529	3099
45	3111	3543

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	1.12	1.12	1.12	1.06	1.06	1.06	.95	.95	.95	.85	.85	.85	.76	.76	.76	.72
1.0	1.04	1.02	.99	.99	.97	.95	.90	.89	.87	.82	.81	.80	.74	.73	.73	.69
2.0	.97	.93	.90	.93	.90	.87	.85	.83	.81	.78	.76	.75	.72	.70	.69	.66
3.0	.91	.87	.83	.88	.84	.81	.81	.78	.76	.75	.73	.71	.69	.68	.67	.64
4.0	.86	.81	.78	.83	.79	.76	.78	.74	.72	.72	.70	.68	.67	.66	.64	.62
5.0	.82	.77	.73	.79	.75	.71	.74	.71	.68	.70	.67	.65	.66	.64	.62	.60
6.0	.78	.73	.69	.76	.71	.68	.72	.68	.65	.68	.65	.63	.64	.62	.60	.58
7.0	.75	.70	.66	.73	.68	.65	.69	.66	.63	.66	.63	.61	.62	.60	.59	.57
8.0	.72	.67	.64	.70	.66	.63	.67	.63	.61	.64	.61	.59	.61	.59	.57	.56
9.0	.69	.65	.61	.68	.63	.60	.65	.61	.59	.62	.59	.57	.59	.57	.56	.54
10.0	.67	.62	.59	.66	.61	.58	.63	.59	.57	.60	.58	.56	.58	.56	.54	.53



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	.175	.099	.031	.159	.091	.029	.131	.075	.024	.104	.060	.019	.080	.046	.015	
2.0	.161	.088	.027	.148	.081	.025	.122	.068	.021	.099	.055	.017	.077	.044	.014	
3.0	.149	.079	.024	.137	.073	.022	.114	.062	.019	.093	.051	.016	.074	.041	.013	
4.0	.139	.072	.021	.128	.067	.020	.107	.057	.017	.088	.047	.014	.070	.038	.012	
5.0	.129	.066	.019	.120	.061	.018	.101	.053	.015	.084	.044	.013	.067	.036	.011	
6.0	.121	.061	.017	.112	.057	.016	.095	.049	.014	.079	.041	.012	.064	.034	.010	
7.0	.114	.056	.016	.106	.053	.015	.090	.046	.013	.075	.039	.011	.062	.032	.009	
8.0	.108	.053	.015	.100	.049	.014	.086	.043	.012	.072	.036	.011	.059	.030	.009	
9.0	.102	.049	.014	.095	.046	.013	.081	.040	.011	.069	.034	.010	.057	.029	.008	
10.0	.097	.046	.013	.090	.043	.012	.078	.038	.011	.066	.033	.009	.055	.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	.407	.407	.407	.348	.348	.348	.237	.237	.237	.136	.136	.136	.044	.044	.044	
1.0	.389	.376	.363	.333	.322	.313	.228	.222	.216	.131	.128	.126	.042	.041	.041	
2.0	.375	.352	.334	.321	.303	.288	.220	.210	.201	.127	.122	.118	.041	.039	.038	
3.0	.362	.334	.312	.311	.289	.271	.213	.200	.190	.123	.117	.112	.040	.038	.037	
4.0	.352	.320	.297	.302	.277	.258	.207	.193	.182	.120	.113	.107	.039	.037	.035	
5.0	.342	.309	.285	.294	.268	.248	.203	.187	.175	.117	.110	.104	.038	.036	.034	
6.0	.334	.300	.276	.287	.260	.240	.198	.182	.170	.115	.107	.101	.037	.035	.033	
7.0	.327	.293	.269	.282	.254	.234	.195	.178	.166	.113	.105	.099	.037	.034	.033	
8.0	.321	.287	.263	.276	.249	.229	.191	.175	.163	.111	.103	.097	.036	.034	.032	
9.0	.316	.282	.259	.272	.244	.226	.188	.172	.160	.110	.101	.095	.036	.033	.032	
10.0	.311	.277	.255	.268	.241	.222	.186	.169	.158	.108	.100	.094	.035	.033	.031	

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	2.1	2.7	2.7	3.3	3.9	3.4	4.0	4.0	4.5	5.2
3H	2.0	2.6	2.6	3.1	3.8	3.8	4.4	4.5	5.0	5.7
4H	1.9	2.4	2.5	3.1	3.8	3.9	4.4	4.5	5.1	5.8
6H	1.8	2.3	2.5	3.0	3.7	3.9	4.5	4.6	5.1	5.8
8H	1.8	2.3	2.5	3.0	3.7	4.0	4.5	4.7	5.2	5.9
12H	1.8	2.3	2.5	3.0	3.7	4.1	4.6	4.8	5.2	6.0
4H 2H	2.1	2.6	2.7	3.2	3.9	3.3	3.8	3.9	4.4	5.1
3H	1.9	2.4	2.7	3.1	3.9	3.7	4.2	4.4	4.9	5.7
4H	1.9	2.3	2.6	3.0	3.8	3.8	4.2	4.5	4.9	5.8
6H	1.8	2.2	2.6	2.9	3.8	3.9	4.3	4.7	5.0	5.9
8H	1.8	2.2	2.6	2.9	3.8	4.0	4.4	4.8	5.1	6.0
12H	1.9	2.2	2.7	3.0	3.9	4.2	4.5	5.0	5.3	6.2
8H 4H	1.7	2.1	2.5	2.8	3.7	3.6	3.9	4.4	4.7	5.6
6H	1.7	2.0	2.5	2.7	3.7	3.7	4.0	4.6	4.8	5.8
8H	1.7	2.0	2.5	2.8	3.7	3.9	4.2	4.8	5.0	6.0
12H	1.9	2.1	2.7	2.9	3.9	4.3	4.5	5.1	5.3	6.3
12H 4H	1.6	2.0	2.4	2.7	3.6	3.5	3.8	4.3	4.6	5.5
6H	1.6	1.9	2.5	2.7	3.7	3.7	3.9	4.5	4.7	5.7
8H	1.7	1.9	2.5	2.7	3.7	3.9	4.1	4.7	4.9	5.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 1.7					+ 0.8 / - 1.0				
1.5H	+ 0.6 / - 0.9					+ 0.8 / - 0.8				
2.0H	+ 2.4 / - 3.3					+ 1.5 / - 1.3				

CIE Pub.117, 3551 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.4)

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:

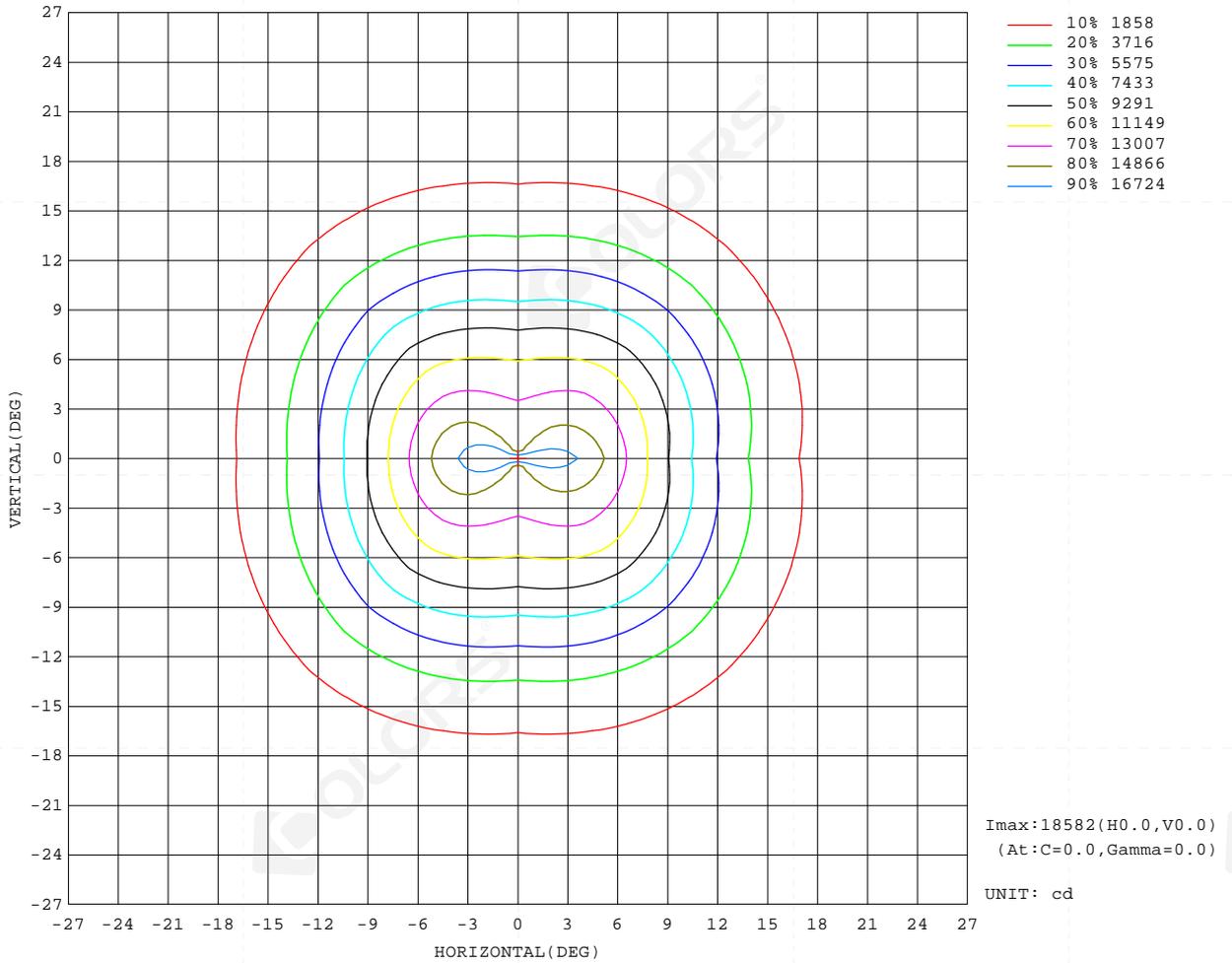
UTILIZATION FACTORS TABLE

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	71	64	60	70	63	59	67	61	58	53	
0.80	79	72	67	77	70	66	73	68	65	58	
1.00	84	77	72	82	75	71	77	73	69	61	
1.25	89	82	77	86	80	76	81	76	73	64	
1.50	92	86	81	89	83	79	83	79	76	66	
2.00	96	91	86	93	88	84	86	82	79	67	
2.50	99	94	90	95	90	87	87	84	81	68	
3.00	101	96	93	97	93	89	89	86	83	69	
4.00	104	100	97	99	96	93	90	88	86	70	
5.00	106	102	100	101	98	96	92	90	88	71	
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:

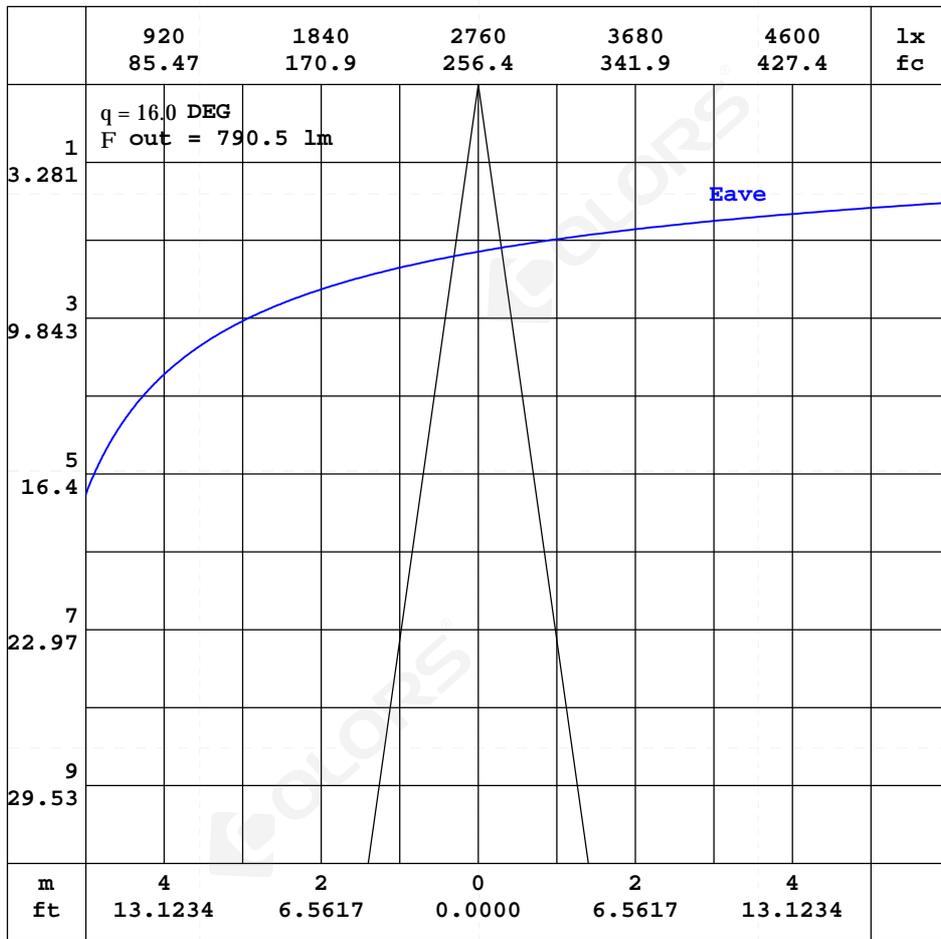
ISOCANDELA DIAGRAM



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

Phi Range: 0 - 180DEG
 Phi 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

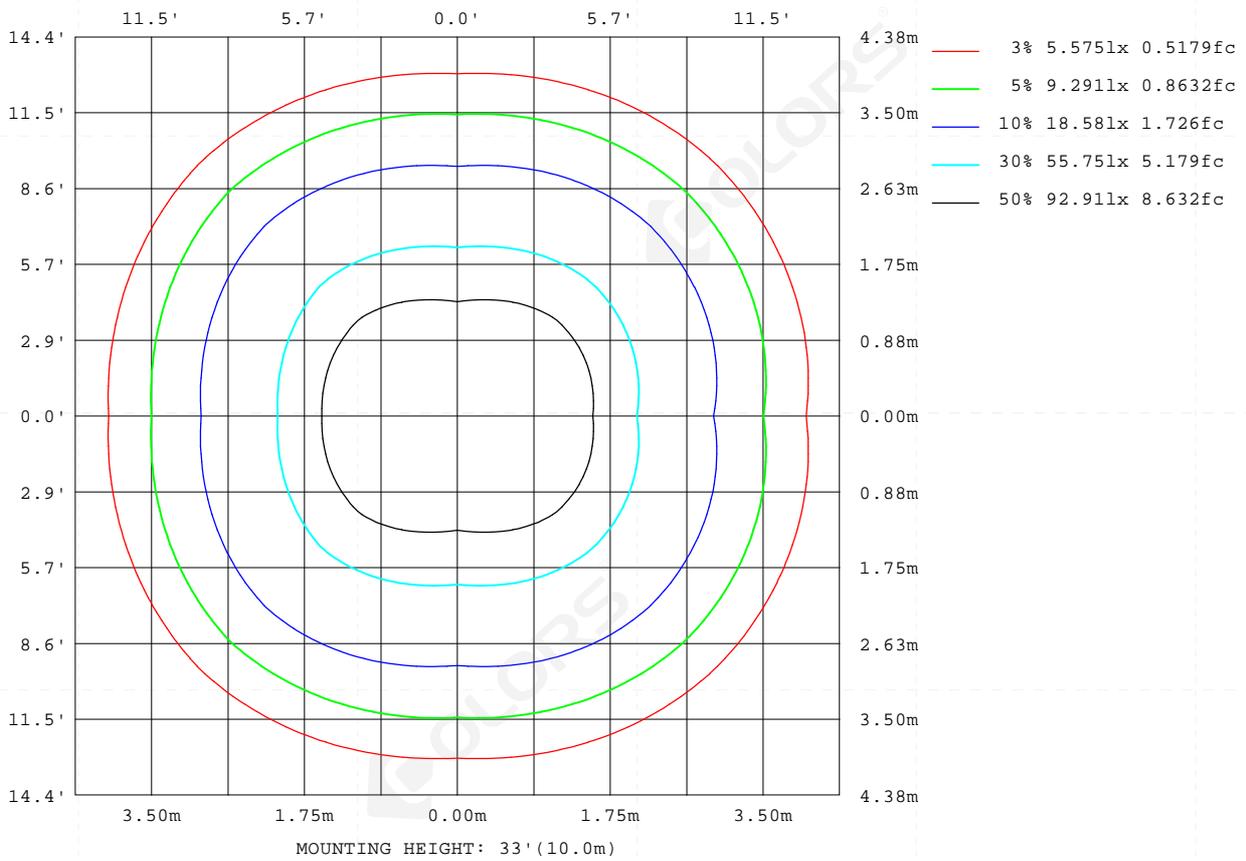


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1890A P:41.00W PF:0.9000 Freq:50.00Hz Lamp Flux:3551x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1140*38	Shielding Angle:

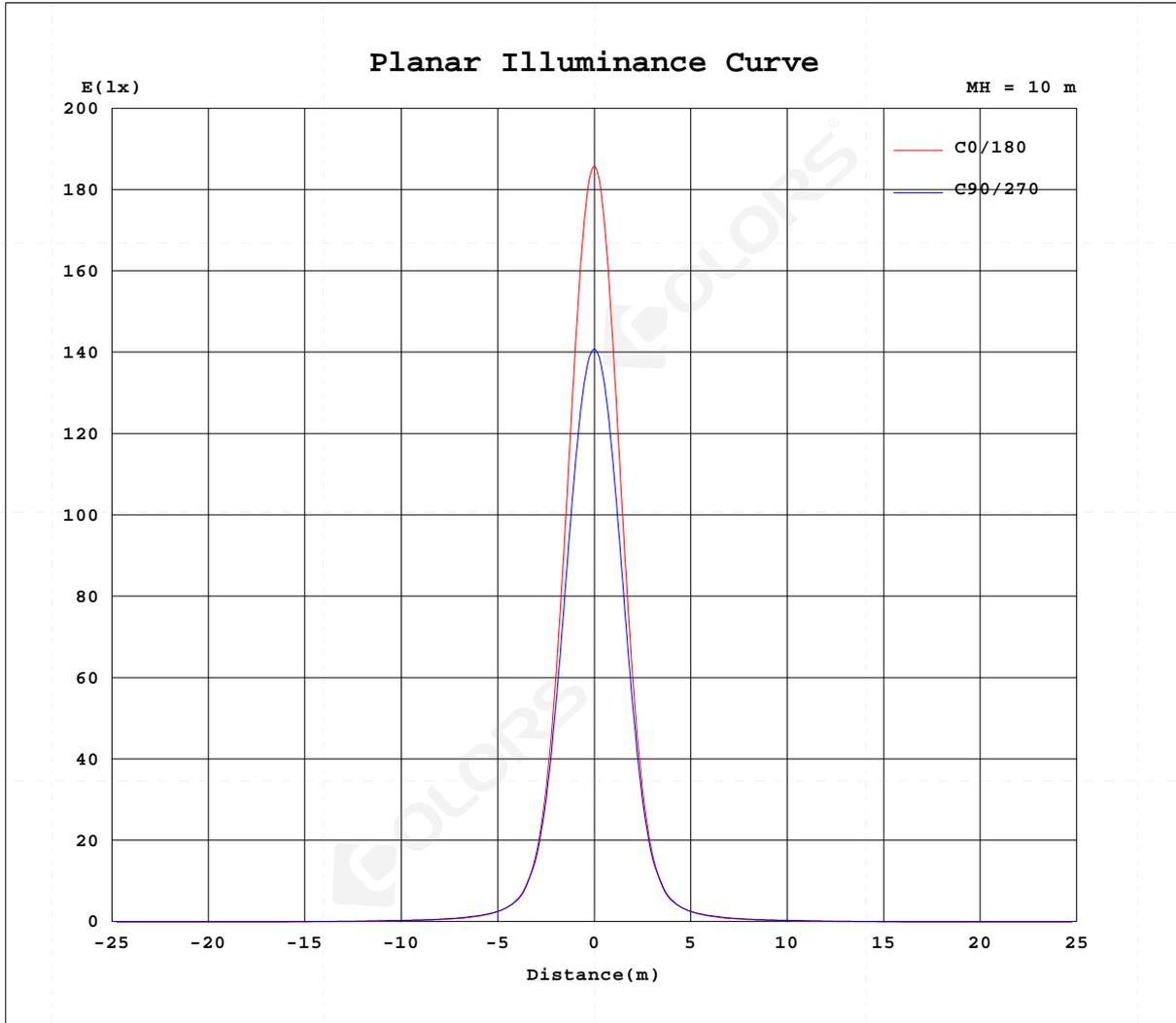
AvgL	cd/m2
L_0~180(65)av	660
L_0~180(75)av	425
L_0~180(85)av	826
L_90~270(65)av	2406
L_90~270(75)av	973
L_90~270(85)av	1761
L_45(65)av	965
L_45(75)av	451
L_45(85)av	982

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:

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: ×10cd

C(DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1858	1813	1769	1729	1690	1654	1621	1590	1561	1535	1510	1488	1468	1451	1437	1426	1417	1411	1409
5	1511	1493	1474	1456	1437	1419	1401	1383	1365	1348	1325	1302	1280	1260	1241	1225	1211	1200	1193
10	801	817	831	842	850	856	859	859	857	852	835	815	795	774	754	734	717	702	690
15	287	301	314	325	334	341	347	350	352	352	344	334	324	313	302	291	281	273	266
20	94.9	99.9	104	108	111	114	116	117	118	118	115	113	109	106	103	99.6	96.5	93.8	91.7
25	43.3	44.4	45.4	46.3	47.0	47.5	48.0	48.3	48.5	48.5	48.1	47.5	46.8	46.1	45.4	44.7	44.1	43.5	43.1
30	24.7	25.3	25.8	26.3	26.7	27.1	27.4	27.6	27.8	28.0	27.9	27.9	27.8	27.6	27.5	27.3	27.1	27.0	26.8
35	15.7	16.1	16.5	16.8	17.2	17.5	17.7	17.9	18.1	18.3	18.4	18.4	18.4	18.4	18.4	18.3	18.3	18.2	18.2
40	11.8	12.0	12.2	12.5	12.6	12.8	13.0	13.1	13.2	13.3	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
45	9.46	9.58	9.70	9.82	9.92	10.0	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.6	10.7	10.7	10.7	10.8	10.8
50	6.99	7.05	7.11	7.18	7.25	7.33	7.40	7.48	7.57	7.65	7.78	7.90	8.03	8.14	8.25	8.35	8.44	8.51	8.57
55	4.53	4.57	4.61	4.66	4.71	4.77	4.84	4.91	4.99	5.07	5.20	5.34	5.47	5.60	5.73	5.84	5.94	6.03	6.09
60	2.37	2.44	2.51	2.58	2.66	2.75	2.84	2.94	3.04	3.14	3.30	3.46	3.62	3.78	3.92	4.05	4.17	4.26	4.33
65	1.22	1.16	1.12	1.12	1.14	1.19	1.27	1.37	1.50	1.66	1.99	2.33	2.68	3.03	3.36	3.67	3.95	4.18	4.35
70	0.60	0.58	0.57	0.57	0.58	0.59	0.61	0.65	0.69	0.73	0.83	0.93	1.03	1.14	1.23	1.33	1.41	1.48	1.53
75	0.48	0.44	0.41	0.38	0.37	0.36	0.36	0.37	0.39	0.42	0.49	0.56	0.64	0.72	0.80	0.88	0.95	1.01	1.06
80	0.39	0.36	0.33	0.31	0.29	0.28	0.28	0.28	0.29	0.31	0.36	0.42	0.47	0.53	0.59	0.64	0.69	0.74	0.78
85	0.31	0.33	0.34	0.35	0.36	0.38	0.39	0.41	0.42	0.44	0.47	0.49	0.52	0.54	0.56	0.58	0.60	0.61	0.62
90	0.39	0.62	0.83	1.00	1.15	1.26	1.35	1.41	1.44	1.44	1.34	1.22	1.08	0.93	0.77	0.61	0.44	0.29	0.14
95	1.36	1.81	2.20	2.53	2.81	3.04	3.22	3.35	3.42	3.44	3.30	3.12	2.90	2.65	2.38	2.10	1.81	1.52	1.24
100	3.20	3.77	4.27	4.71	5.08	5.38	5.62	5.79	5.90	5.94	5.79	5.59	5.33	5.04	4.72	4.38	4.02	3.66	3.31
105	5.57	6.21	6.78	7.27	7.69	8.03	8.31	8.51	8.63	8.69	8.54	8.33	8.06	7.76	7.41	7.04	6.66	6.27	5.88
110	8.26	8.93	9.53	10.0	10.5	10.9	11.1	11.4	11.5	11.6	11.4	11.2	10.9	10.6	10.3	9.89	9.49	9.09	8.68
115	11.0	11.7	12.3	12.9	13.3	13.7	14.0	14.3	14.4	14.5	14.3	14.1	13.9	13.5	13.2	12.8	12.4	12.0	11.6
120	13.7	14.4	15.1	15.7	16.1	16.6	16.9	17.1	17.3	17.4	17.2	17.1	16.8	16.5	16.1	15.8	15.4	14.9	14.5
125	16.6	17.3	18.0	18.6	19.1	19.5	19.9	20.1	20.3	20.4	20.3	20.1	19.8	19.5	19.1	18.7	18.3	17.9	17.4
130	19.4	20.2	20.8	21.4	21.9	22.4	22.7	23.0	23.1	23.2	23.1	22.9	22.6	22.3	22.0	21.6	21.2	20.7	20.3
135	22.1	22.9	23.6	24.2	24.7	25.1	25.5	25.8	25.9	26.0	25.9	25.7	25.4	25.1	24.8	24.4	24.0	23.5	23.1
140	24.8	25.6	26.3	26.8	27.3	27.8	28.1	28.4	28.5	28.6	28.5	28.3	28.1	27.8	27.4	27.0	26.7	26.3	25.9
145	27.6	28.3	28.9	29.5	29.9	30.3	30.6	30.9	31.1	31.1	31.0	30.8	30.6	30.3	29.9	29.6	29.2	28.8	28.4
150	30.3	30.9	31.5	31.9	32.4	32.7	33.0	33.2	33.3	33.4	33.3	33.1	32.8	32.6	32.3	31.9	31.6	31.2	30.9
155	32.7	33.2	33.7	34.1	34.5	34.8	35.0	35.2	35.3	35.4	35.2	35.1	34.8	34.6	34.3	34.0	33.7	33.4	33.0
160	34.7	35.2	35.6	36.0	36.3	36.5	36.7	36.9	37.0	37.0	36.9	36.7	36.5	36.3	36.0	35.8	35.5	35.2	34.9
165	36.4	36.8	37.1	37.4	37.6	37.8	38.0	38.1	38.2	38.2	38.2	38.1	37.9	37.8	37.6	37.4	37.2	37.0	36.8
170	37.8	38.1	38.3	38.5	38.7	38.8	38.9	39.0	39.0	39.0	39.0	38.9	38.8	38.6	38.5	38.3	38.2	38.0	37.9
175	38.8	38.9	39.0	39.1	39.2	39.3	39.3	39.3	39.4	39.4	39.3	39.2	39.2	39.1	39.0	38.9	38.8	38.7	38.7
180	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0

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: ×10cd

C(DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1411	1417	1426	1437	1451	1468	1488	1510	1535	1577	1619	1662	1704	1744	1781	1813	1839	1858	1839
5	1200	1211	1225	1241	1260	1280	1302	1325	1348	1372	1395	1418	1439	1459	1476	1491	1503	1511	1503
10	702	717	734	754	774	795	815	835	852	851	848	843	837	830	822	815	807	801	807
15	273	281	291	302	313	324	334	344	352	347	340	333	325	316	308	300	293	287	293
20	93.8	96.5	99.6	103	106	110	113	116	118	116	114	111	108	105	102	99.3	96.9	94.8	96.9
25	43.6	44.1	44.8	45.5	46.2	46.9	47.6	48.2	48.7	48.2	47.6	47.0	46.3	45.6	44.9	44.3	43.7	43.3	43.7
30	27.0	27.2	27.3	27.5	27.7	27.9	28.0	28.1	28.1	27.7	27.3	26.9	26.5	26.0	25.6	25.3	24.9	24.7	24.9
35	18.2	18.3	18.4	18.5	18.5	18.5	18.5	18.4	18.1	17.8	17.4	17.0	16.7	16.3	16.0	15.8	15.6	15.6	15.8
40	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.5	13.5	13.3	13.1	12.8	12.6	12.4	12.2	12.0	11.8	11.7	11.8
45	10.8	10.8	10.8	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.2	10.1	9.92	9.79	9.66	9.54	9.45	9.38	9.46
50	8.53	8.48	8.42	8.34	8.24	8.14	8.03	7.91	7.79	7.66	7.54	7.41	7.30	7.19	7.09	7.01	6.95	6.90	6.95
55	6.05	5.98	5.90	5.81	5.70	5.58	5.46	5.33	5.20	5.08	4.97	4.86	4.77	4.68	4.60	4.53	4.48	4.45	4.49
60	4.28	4.20	4.10	3.99	3.86	3.72	3.57	3.41	3.26	3.11	2.97	2.83	2.71	2.59	2.49	2.41	2.35	2.30	2.36
65	4.19	3.98	3.72	3.43	3.11	2.78	2.44	2.10	1.78	1.63	1.50	1.40	1.32	1.25	1.21	1.18	1.17	1.18	1.18
70	1.50	1.44	1.38	1.30	1.21	1.12	1.03	0.94	0.85	0.79	0.74	0.70	0.66	0.63	0.61	0.59	0.58	0.57	0.58
75	1.03	0.98	0.93	0.87	0.81	0.74	0.67	0.60	0.54	0.51	0.49	0.48	0.46	0.46	0.45	0.46	0.46	0.46	0.46
80	0.76	0.73	0.69	0.66	0.61	0.57	0.52	0.47	0.43	0.41	0.40	0.39	0.38	0.37	0.37	0.37	0.37	0.38	0.38
85	0.59	0.57	0.54	0.51	0.47	0.44	0.40	0.37	0.34	0.32	0.31	0.31	0.30	0.30	0.30	0.30	0.30	0.30	0.30
90	0.10	0.07	0.06	0.06	0.07	0.09	0.11	0.14	0.18	0.21	0.23	0.26	0.29	0.32	0.34	0.37	0.39	0.40	0.39
95	1.06	0.90	0.76	0.64	0.55	0.47	0.42	0.39	0.39	0.53	0.68	0.85	1.02	1.20	1.36	1.52	1.65	1.75	1.63
100	3.06	2.82	2.60	2.41	2.25	2.11	2.01	1.95	1.92	2.12	2.35	2.59	2.85	3.11	3.35	3.57	3.75	3.89	3.67
105	5.58	5.30	5.03	4.80	4.59	4.41	4.28	4.18	4.13	4.35	4.62	4.90	5.20	5.50	5.78	6.04	6.26	6.42	6.16
110	8.36	8.05	7.75	7.49	7.25	7.05	6.90	6.78	6.72	6.95	7.23	7.53	7.85	8.17	8.47	8.74	8.97	9.15	8.87
115	11.2	10.9	10.6	10.3	10.1	9.87	9.69	9.57	9.49	9.73	10.0	10.3	10.6	11.0	11.3	11.6	11.8	12.0	11.7
120	14.2	13.8	13.5	13.2	13.0	12.8	12.6	12.4	12.4	12.6	12.9	13.2	13.5	13.8	14.1	14.4	14.7	14.9	14.6
125	17.1	16.7	16.4	16.1	15.9	15.7	15.5	15.3	15.3	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.8	17.5
130	20.0	19.6	19.3	19.0	18.8	18.5	18.4	18.2	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.2	20.4	20.6	20.4
135	22.8	22.5	22.2	22.0	21.7	21.5	21.4	21.3	21.2	21.4	21.7	22.0	22.3	22.6	22.8	23.1	23.3	23.5	23.2
140	25.6	25.3	25.0	24.8	24.5	24.4	24.2	24.1	24.1	24.3	24.5	24.8	25.1	25.4	25.7	25.9	26.2	26.3	26.1
145	28.2	27.9	27.6	27.4	27.2	27.1	27.0	26.9	26.8	27.1	27.3	27.6	27.9	28.1	28.4	28.7	28.9	29.0	28.8
150	30.6	30.4	30.2	30.0	29.8	29.7	29.6	29.5	29.5	29.7	29.9	30.2	30.5	30.7	31.0	31.2	31.4	31.6	31.3
155	32.8	32.6	32.5	32.3	32.2	32.1	32.0	31.9	31.9	32.1	32.4	32.6	32.9	33.1	33.4	33.6	33.7	33.9	33.7
160	34.8	34.6	34.5	34.4	34.3	34.2	34.2	34.2	34.2	34.4	34.5	34.8	35.0	35.2	35.4	35.6	35.7	35.8	35.6
165	36.6	36.5	36.4	36.3	36.2	36.1	36.1	36.1	36.1	36.2	36.4	36.6	36.7	36.9	37.1	37.2	37.3	37.4	37.3
170	37.8	37.8	37.7	37.7	37.7	37.6	37.6	37.6	37.7	37.7	37.8	37.9	37.9	38.0	38.1	38.1	38.2	38.2	38.1
175	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
180	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0

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: ×10cd

C(DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1813	1781	1744	1704	1662	1619	1577	1535	1510	1488	1468	1451	1437	1426	1417	1411	1409	1411	1417
5	1491	1476	1459	1439	1418	1395	1372	1348	1325	1302	1280	1260	1241	1225	1211	1200	1193	1200	1211
10	815	822	830	837	843	848	851	852	835	815	795	774	754	734	717	702	690	702	717
15	300	308	316	325	333	340	347	352	344	334	324	313	302	291	281	273	266	273	281
20	99.3	102	105	108	111	114	116	118	116	113	110	106	103	99.6	96.5	93.8	91.7	93.8	96.5
25	44.3	44.9	45.6	46.3	47.0	47.7	48.2	48.7	48.2	47.6	46.9	46.2	45.5	44.8	44.1	43.6	43.1	43.5	44.1
30	25.3	25.6	26.1	26.5	26.9	27.4	27.8	28.1	28.1	28.0	27.9	27.7	27.5	27.3	27.2	27.0	26.8	27.0	27.1
35	16.0	16.3	16.7	17.0	17.4	17.8	18.1	18.5	18.5	18.5	18.5	18.5	18.5	18.4	18.3	18.3	18.2	18.2	18.3
40	12.0	12.2	12.4	12.6	12.9	13.1	13.3	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5	13.5	13.6
45	9.56	9.68	9.81	9.96	10.1	10.3	10.4	10.6	10.6	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
50	7.03	7.11	7.22	7.33	7.45	7.58	7.72	7.85	7.97	8.09	8.19	8.30	8.39	8.47	8.53	8.58	8.61	8.56	8.50
55	4.55	4.62	4.71	4.81	4.91	5.03	5.14	5.27	5.39	5.52	5.64	5.76	5.86	5.95	6.03	6.09	6.13	6.08	6.00
60	2.43	2.52	2.63	2.75	2.89	3.03	3.18	3.33	3.48	3.64	3.78	3.92	4.05	4.16	4.25	4.33	4.37	4.31	4.22
65	1.20	1.23	1.28	1.35	1.44	1.55	1.68	1.83	2.15	2.49	2.83	3.16	3.47	3.77	4.02	4.23	4.39	4.22	3.99
70	0.60	0.63	0.66	0.69	0.74	0.79	0.84	0.90	0.99	1.08	1.17	1.26	1.34	1.42	1.48	1.53	1.57	1.52	1.46
75	0.46	0.47	0.47	0.49	0.50	0.52	0.54	0.57	0.64	0.71	0.78	0.85	0.92	0.98	1.03	1.08	1.11	1.07	1.01
80	0.38	0.38	0.39	0.39	0.41	0.42	0.44	0.46	0.51	0.56	0.61	0.66	0.71	0.75	0.79	0.82	0.84	0.81	0.76
85	0.30	0.30	0.31	0.31	0.32	0.33	0.35	0.36	0.40	0.45	0.49	0.54	0.58	0.62	0.65	0.68	0.70	0.68	0.65
90	0.37	0.35	0.33	0.30	0.28	0.25	0.23	0.21	0.19	0.18	0.17	0.17	0.17	0.18	0.19	0.21	0.24	0.31	0.39
95	1.48	1.31	1.12	0.93	0.74	0.55	0.38	0.23	0.23	0.25	0.30	0.38	0.47	0.58	0.71	0.85	1.00	1.21	1.42
100	3.41	3.11	2.80	2.47	2.15	1.85	1.58	1.35	1.40	1.51	1.65	1.83	2.04	2.28	2.53	2.80	3.08	3.35	3.63
105	5.84	5.49	5.12	4.74	4.37	4.02	3.70	3.44	3.52	3.66	3.86	4.09	4.36	4.66	4.98	5.31	5.64	5.95	6.25
110	8.54	8.17	7.77	7.37	6.97	6.60	6.27	5.99	6.11	6.29	6.52	6.79	7.10	7.43	7.78	8.14	8.50	8.78	9.05
115	11.4	11.0	10.6	10.2	9.79	9.41	9.08	8.81	8.95	9.15	9.40	9.70	10.0	10.4	10.8	11.2	11.5	11.8	12.1
120	14.2	13.9	13.5	13.1	12.7	12.3	12.0	11.7	11.9	12.1	12.4	12.7	13.1	13.4	13.8	14.2	14.6	15.0	15.2
125	17.1	16.8	16.4	16.0	15.6	15.2	14.9	14.7	14.8	15.1	15.4	15.7	16.1	16.5	16.9	17.3	17.7	18.0	18.2
130	20.0	19.7	19.3	18.9	18.5	18.2	17.9	17.6	17.8	18.1	18.4	18.7	19.1	19.5	20.0	20.4	20.8	21.1	21.3
135	22.9	22.5	22.2	21.8	21.4	21.1	20.8	20.6	20.7	21.0	21.3	21.7	22.1	22.5	22.9	23.3	23.7	24.0	24.3
140	25.7	25.4	25.0	24.7	24.3	24.0	23.7	23.5	23.6	23.9	24.2	24.5	24.9	25.3	25.7	26.1	26.5	26.8	27.1
145	28.5	28.1	27.8	27.4	27.1	26.8	26.5	26.3	26.4	26.7	27.0	27.3	27.6	28.0	28.4	28.8	29.2	29.4	29.7
150	31.1	30.7	30.4	30.1	29.7	29.4	29.2	28.9	29.1	29.3	29.6	29.9	30.2	30.6	30.9	31.3	31.6	31.9	32.1
155	33.4	33.1	32.8	32.5	32.2	31.9	31.6	31.4	31.6	31.7	32.0	32.2	32.5	32.8	33.1	33.5	33.8	34.0	34.2
160	35.4	35.1	34.9	34.6	34.3	34.1	33.8	33.7	33.8	33.9	34.1	34.3	34.5	34.8	35.1	35.3	35.6	35.9	36.1
165	37.1	36.8	36.6	36.4	36.1	35.9	35.7	35.6	35.7	35.8	35.9	36.1	36.3	36.5	36.7	36.9	37.1	37.3	37.5
170	38.0	37.9	37.8	37.7	37.6	37.5	37.5	37.4	37.4	37.5	37.6	37.6	37.7	37.8	37.9	38.1	38.2	38.3	38.5
175	38.7	38.7	38.7	38.6	38.6	38.6	38.5	38.5	38.5	38.5	38.6	38.6	38.6	38.6	38.7	38.7	38.8	38.9	39.0
180	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0

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: ×10cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1426	1437	1451	1468	1488	1510	1535	1561	1590	1621	1654	1690	1729	1769	1813				
5	1225	1241	1260	1280	1302	1325	1348	1366	1383	1401	1419	1438	1456	1474	1493				
10	734	754	774	795	815	835	852	857	859	859	856	850	842	831	817				
15	291	302	313	324	334	344	352	352	350	347	341	334	325	314	301				
20	99.6	103	106	110	113	115	118	118	117	116	114	111	108	104	99.9				
25	44.8	45.5	46.2	46.9	47.6	48.1	48.6	48.6	48.4	48.1	47.6	47.0	46.3	45.4	44.4				
30	27.3	27.5	27.7	27.8	27.9	28.0	28.1	27.9	27.7	27.5	27.1	26.8	26.4	25.9	25.3				
35	18.4	18.4	18.4	18.5	18.5	18.4	18.4	18.2	18.0	17.8	17.5	17.2	16.9	16.5	16.1				
40	13.6	13.6	13.6	13.6	13.5	13.5	13.4	13.3	13.2	13.1	12.9	12.7	12.5	12.3	12.0				
45	10.8	10.7	10.7	10.6	10.6	10.5	10.5	10.4	10.3	10.2	10.1	9.98	9.86	9.74	9.60				
50	8.42	8.32	8.22	8.11	7.99	7.87	7.75	7.66	7.57	7.48	7.40	7.31	7.23	7.15	7.07				
55	5.90	5.80	5.68	5.55	5.42	5.29	5.16	5.07	4.99	4.91	4.84	4.77	4.70	4.64	4.59				
60	4.11	3.99	3.85	3.70	3.54	3.38	3.22	3.11	3.01	2.90	2.81	2.71	2.62	2.53	2.45				
65	3.72	3.42	3.09	2.75	2.40	2.06	1.73	1.57	1.44	1.32	1.24	1.18	1.15	1.15	1.17				
70	1.38	1.29	1.20	1.10	1.00	0.90	0.81	0.75	0.71	0.67	0.64	0.62	0.60	0.60	0.59				
75	0.94	0.87	0.79	0.71	0.63	0.56	0.49	0.46	0.43	0.42	0.41	0.41	0.41	0.43	0.45				
80	0.72	0.66	0.60	0.55	0.49	0.43	0.38	0.36	0.34	0.33	0.33	0.33	0.34	0.35	0.37				
85	0.61	0.56	0.52	0.47	0.42	0.38	0.33	0.32	0.30	0.29	0.28	0.28	0.28	0.29	0.30				
90	0.48	0.56	0.64	0.72	0.79	0.85	0.90	0.90	0.88	0.86	0.81	0.76	0.69	0.60	0.50				
95	1.63	1.84	2.03	2.21	2.38	2.51	2.62	2.62	2.59	2.52	2.41	2.28	2.10	1.89	1.65				
100	3.89	4.15	4.38	4.59	4.77	4.91	5.01	4.99	4.93	4.82	4.67	4.47	4.22	3.92	3.58				
105	6.54	6.82	7.06	7.28	7.46	7.60	7.70	7.67	7.59	7.46	7.27	7.04	6.75	6.41	6.02				
110	9.30	9.53	9.74	9.92	10.1	10.2	10.2	10.2	10.1	9.98	9.81	9.59	9.33	9.01	8.66				
115	12.3	12.6	12.8	12.9	13.1	13.1	13.2	13.1	13.0	12.9	12.7	12.5	12.2	11.8	11.5				
120	15.5	15.8	16.0	16.2	16.3	16.4	16.4	16.3	16.2	16.0	15.8	15.5	15.1	14.7	14.2				
125	18.5	18.7	18.9	19.0	19.2	19.2	19.2	19.1	19.0	18.8	18.6	18.3	17.9	17.5	17.1				
130	21.6	21.8	22.0	22.1	22.2	22.2	22.2	22.1	22.0	21.8	21.5	21.2	20.8	20.4	19.9				
135	24.5	24.8	24.9	25.1	25.2	25.2	25.2	25.1	24.9	24.7	24.4	24.0	23.6	23.2	22.7				
140	27.3	27.5	27.7	27.8	27.9	27.9	27.9	27.8	27.6	27.4	27.1	26.8	26.4	25.9	25.4				
145	29.9	30.1	30.2	30.4	30.4	30.5	30.5	30.3	30.2	30.0	29.7	29.4	29.0	28.6	28.1				
150	32.3	32.4	32.6	32.7	32.7	32.8	32.8	32.7	32.5	32.3	32.1	31.8	31.5	31.1	30.7				
155	34.4	34.6	34.7	34.8	34.9	35.0	35.0	34.9	34.7	34.6	34.4	34.1	33.8	33.5	33.1				
160	36.3	36.5	36.7	36.8	36.9	37.0	37.0	37.0	36.9	36.7	36.5	36.2	35.9	35.6	35.2				
165	37.7	37.9	38.0	38.2	38.3	38.4	38.4	38.3	38.2	38.1	37.9	37.7	37.4	37.1	36.8				
170	38.6	38.8	38.9	39.0	39.1	39.2	39.2	39.2	39.1	39.0	38.9	38.7	38.6	38.3	38.1				
175	39.1	39.2	39.3	39.4	39.4	39.5	39.6	39.5	39.5	39.5	39.4	39.3	39.2	39.1	38.9				
180	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0				

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
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