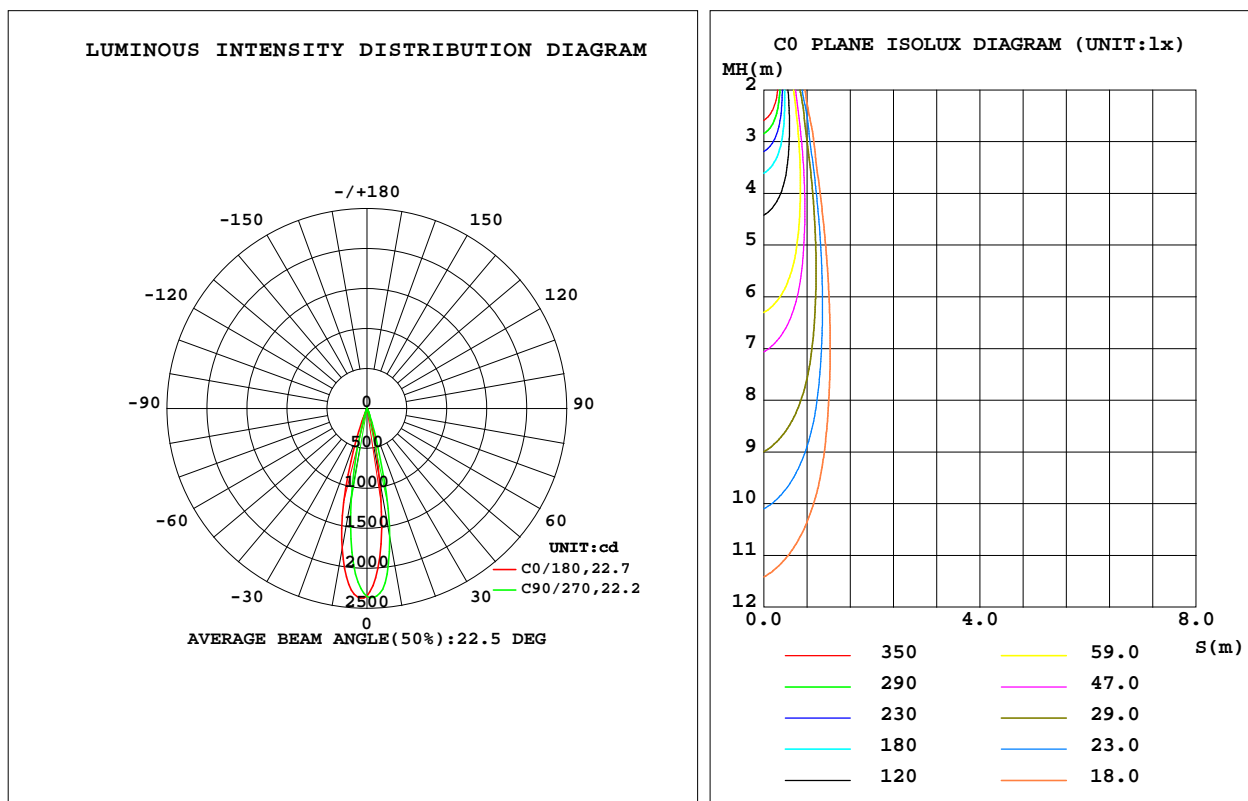


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.0312A P:6.351W PF:0.9208 Freq:49.99Hz Lamp Flux:393.118x1 lm		
NAME: LLS-M60SFXBS35RB	TYPE:	WEIGHT:
SPEC.:LLS-M60SFXBS35RB-T06NW9D-DC	DIM.: 300*50*25mm	SERIAL No.:
MFR.: COLORS	SUR.:300*50mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 61.90 lm/W			
MODEL	LLS-M60SFXBS35RB	I _{max} (cd)	2383	S/MH(C0/180)	0.30
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.32
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	393.12	h UP,DN(C0-180)	0.7,51.1
NOMINAL FLUX(lm)	393.118	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.5,47.7
LAMPS INSIDE	1	h up(%)	1.2	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	h down(%)	98.8	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-17

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

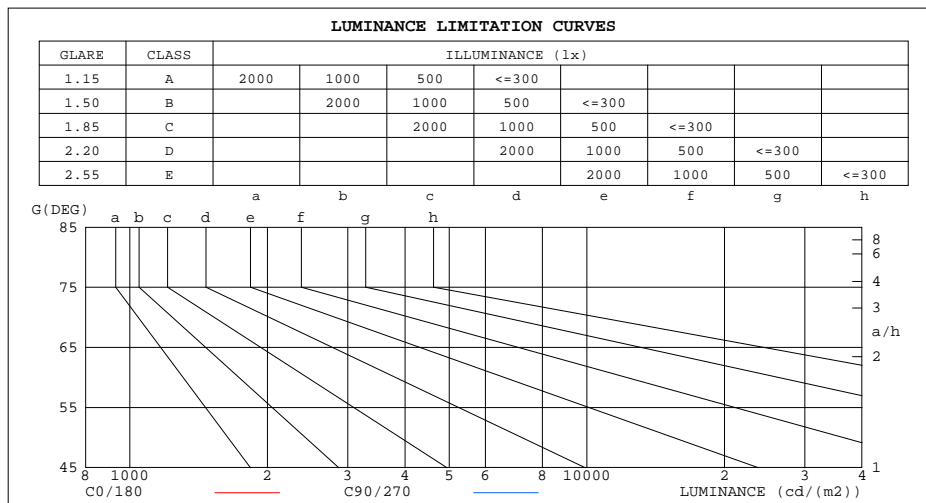
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	918.7	1307	1656	1772	1795	1522	1142	948.0	0- 10	176.3	176.3	44.8,44.8
20	101.4	136.6	190.8	263.1	309.4	188.8	86.19	64.08	10- 20	167.3	343.6	87.4,87.4
30	22.57	32.52	39.11	42.30	23.13	19.24	16.28	14.03	20- 30	30.00	373.6	95,95
40	5.509	7.079	8.288	9.486	7.454	6.446	5.451	4.695	30- 40	8.724	382.3	97.2,97.2
50	2.380	2.711	2.952	3.012	2.728	2.404	2.096	2.073	40- 50	3.178	385.5	98.1,98.1
60	1.185	1.261	1.391	1.287	1.246	1.091	0.9684	1.051	50- 60	1.576	387.0	98.5,98.5
70	0.5827	0.6181	0.6348	0.5128	0.5064	0.4947	0.4074	0.5157	60- 70	0.8208	387.9	98.7,98.7
80	0.2410	0.2070	0.1873	0.1136	0.1122	0.1540	0.1394	0.2076	70- 80	0.3517	388.2	98.8,98.8
90	0.0735	0.1131	0.0199	0	0.0136	0.0068	0.0002	0.0602	80- 90	0.0891	388.3	98.8,98.8
100	0.0134	0.0334	0	0	0.0134	0.0067	0.0067	0.0067	90-100	0.0254	388.3	98.8,98.8
110	0.0134	0.0401	0	0.0199	0.0200	0.0067	0.0200	0.0067	100-110	0.0135	388.3	98.8,98.8
120	0.0134	0.0468	0	0.0200	0.0267	0.0067	0.0269	0.0067	110-120	0.0176	388.4	98.8,98.8
130	0.1196	0.0869	0	0.0403	0.0468	0.0067	0.0741	0.0797	120-130	0.0243	388.4	98.8,98.8
140	0.4054	0.3207	0.1928	0.1672	0.1606	0.1665	0.2743	0.2796	130-140	0.1040	388.5	98.8,98.8
150	1.286	1.038	0.7206	0.6213	0.5619	0.6000	0.7219	0.9720	140-150	0.2875	388.8	98.9,98.9
160	7.425	4.718	2.772	2.260	2.069	2.409	2.730	5.011	150-160	0.8032	389.6	99.1,99.1
170	20.26	15.34	12.47	10.24	11.21	9.897	9.055	12.06	160-170	2.132	391.7	99.6,99.6
180	20.33	21.20	21.10	14.63	20.29	21.17	21.07	14.53	170-180	1.416	393.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-09-17

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.8V I:0.0312A P:6.351W PF:0.9208 Freq:49.99Hz Lamp Flux:393.118x1 lm		
NAME: LLS-M60SFXBS35RB	TYPE:	WEIGHT:
SPEC.:LLS-M60SFXBS35RB-T06NW9D-DC	DIM.: 300*50*25mm	SERIAL No.:
MFR.: COLORS	SUR.:300*50mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	102	36
80	93	72
75	99	96
70	114	124
65	139	155
60	158	185
55	192	236
50	247	306
45	327	431

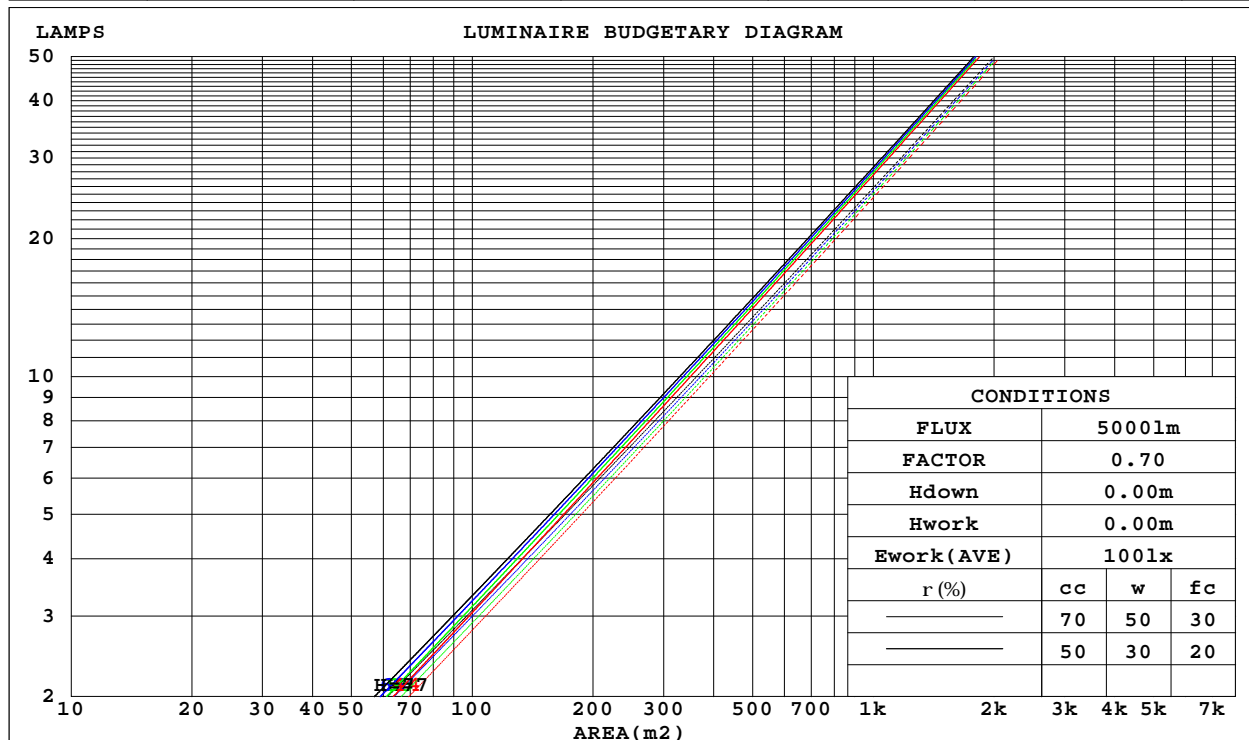
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-09-17

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.8V I:0.0312A P:6.351W PF:0.9208 Freq:49.99Hz Lamp Flux:393.118x1 lm		
NAME: LLS-M60SFXBS35RB	TYPE:	WEIGHT:
SPEC.:LLS-M60SFXBS35RB-T06NW9D-DC	DIM.: 300*50*25mm	SERIAL No.:
MFR.: COLORS	SUR.:300*50mm	Shielding Angle:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.8V I:0.0312A P:6.351W PF:0.9208 Freq:49.99Hz Lamp Flux:393.118x1 lm		
NAME: LLS-M60SFXBS35RB	TYPE:	WEIGHT:
SPEC.:LLS-M60SFXBS35RB-T06NW9D-DC	DIM.: 300*50*25mm	SERIAL No.:
MFR.: COLORS	SUR.:300*50mm	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															

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	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.177	.167	.158	.152	.143	.136	.104	.099	.094	.060	.057	.055	.019	.018	.018	
2.0	.159	.142	.128	.136	.122	.111	.093	.085	.077	.054	.049	.045	.017	.016	.015	
3.0	.143	.123	.106	.123	.106	.092	.084	.074	.065	.049	.043	.038	.016	.014	.012	
4.0	.130	.107	.090	.112	.093	.078	.077	.065	.055	.044	.038	.032	.014	.012	.011	
5.0	.119	.095	.077	.103	.082	.067	.071	.057	.047	.041	.034	.028	.013	.011	.009	
6.0	.110	.085	.066	.095	.073	.058	.065	.051	.041	.038	.030	.024	.012	.010	.008	
7.0	.102	.076	.058	.088	.066	.051	.061	.046	.036	.035	.027	.021	.011	.009	.007	
8.0	.096	.070	.052	.082	.060	.045	.057	.042	.032	.033	.025	.019	.011	.008	.006	
9.0	.090	.064	.046	.077	.055	.040	.054	.039	.029	.031	.023	.017	.010	.008	.006	
10.0	.085	.059	.042	.073	.051	.037	.051	.036	.026	.030	.021	.015	.010	.007	.005	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.8V I:0.0312A P:6.351W PF:0.9208 Freq:49.99Hz Lamp Flux:393.118x1 lm											
NAME: LLS-M60SFXBS35RB						TYPE:		WEIGHT:			
SPEC.:LLS-M60SFXBS35RB-T06NW9D-DC						DIM.: 300*50*25mm		SERIAL No.:			
MFR.: COLORS						SUR.:300*50mm		Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	0.6	1.2	0.8	1.4	1.5	2.4	3.0	2.6	3.1	3.3	
	3H	0.9	1.5	1.2	1.7	1.9	2.5	3.1	2.8	3.3	
	4H	1.0	1.5	1.3	1.8	2.0	2.6	3.1	2.8	3.3	
	6H	1.1	1.6	1.4	1.8	2.1	2.6	3.1	2.9	3.3	
	8H	1.1	1.6	1.4	1.8	2.1	2.5	3.0	2.9	3.3	
	12H	1.1	1.6	1.4	1.8	2.1	2.5	3.0	2.8	3.3	
4H	2H	0.7	1.2	1.0	1.4	1.7	2.3	2.9	2.6	3.1	
	3H	1.1	1.5	1.4	1.8	2.1	2.6	3.0	2.9	3.3	
	4H	1.2	1.7	1.6	2.0	2.3	2.6	3.1	3.0	3.4	
	6H	1.4	1.7	1.7	2.1	2.4	2.6	3.0	3.0	3.4	
	8H	1.4	1.8	1.8	2.1	2.5	2.6	3.0	3.0	3.4	
	12H	1.4	1.8	1.8	2.1	2.5	2.6	2.9	3.0	3.3	
8H	4H	1.2	1.6	1.6	1.9	2.3	2.6	2.9	3.0	3.3	
	6H	1.4	1.7	1.8	2.1	2.5	2.6	2.9	3.0	3.3	
	8H	1.5	1.7	1.9	2.2	2.6	2.6	2.9	3.1	3.3	
	12H	1.5	1.8	2.0	2.2	2.7	2.6	2.8	3.1	3.3	
12H	4H	1.2	1.5	1.6	1.9	2.3	2.5	2.8	2.9	3.2	
	6H	1.4	1.6	1.8	2.1	2.5	2.6	2.8	3.0	3.3	
	8H	1.5	1.7	1.9	2.2	2.6	2.6	2.8	3.1	3.3	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.2 / - 1.6					+ 2.2 / - 2.3					
1.5H	+ 1.8 / - 1.3					+ 3.7 / - 1.9					
2.0H	+ 1.6 / - 1.0					+ 2.4 / - 1.4					

CIE Pub.117, 393.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.2)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.8V I:0.0312A P:6.351W PF:0.9208 Freq:49.99Hz Lamp Flux:393.118x1 lm		
NAME: LLS-M60SFXBS35RB	TYPE:	WEIGHT:
SPEC.:LLS-M60SFXBS35RB-T06NW9D-DC	DIM.: 300*50*25mm	SERIAL No.:
MFR.: COLORS	SUR.:300*50mm	Shielding Angle:

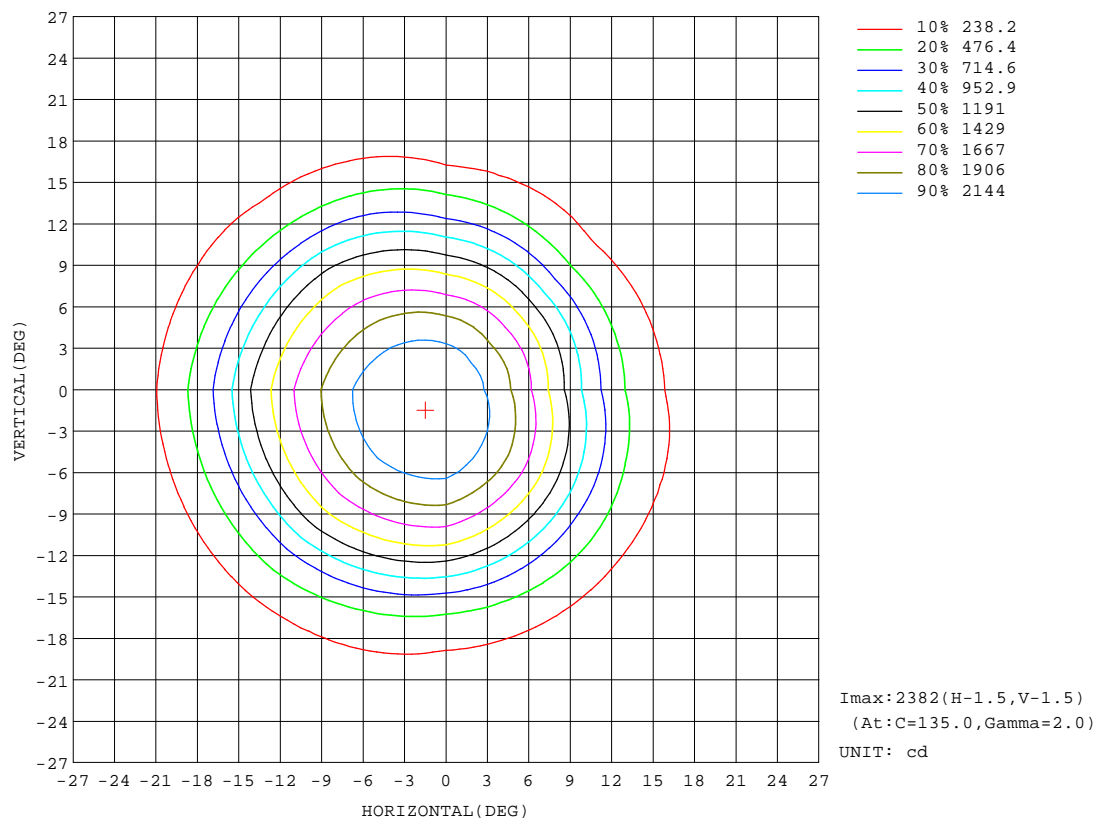
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	89	84	80	89	83	80	77
0.80	97	92	88	96	91	88	95	91	88	84
1.00	101	96	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-09-17

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.8V I:0.0312A P:6.351W PF:0.9208 Freq:49.99Hz Lamp Flux:393.118x1 lm		
NAME: LLS-M60SFXBS35RB	TYPE:	WEIGHT:
SPEC.:LLS-M60SFXBS35RB-T06NW9D-DC	DIM.: 300*50*25mm	SERIAL No.:
MFR.: COLORS	SUR.:300*50mm	Shielding Angle:



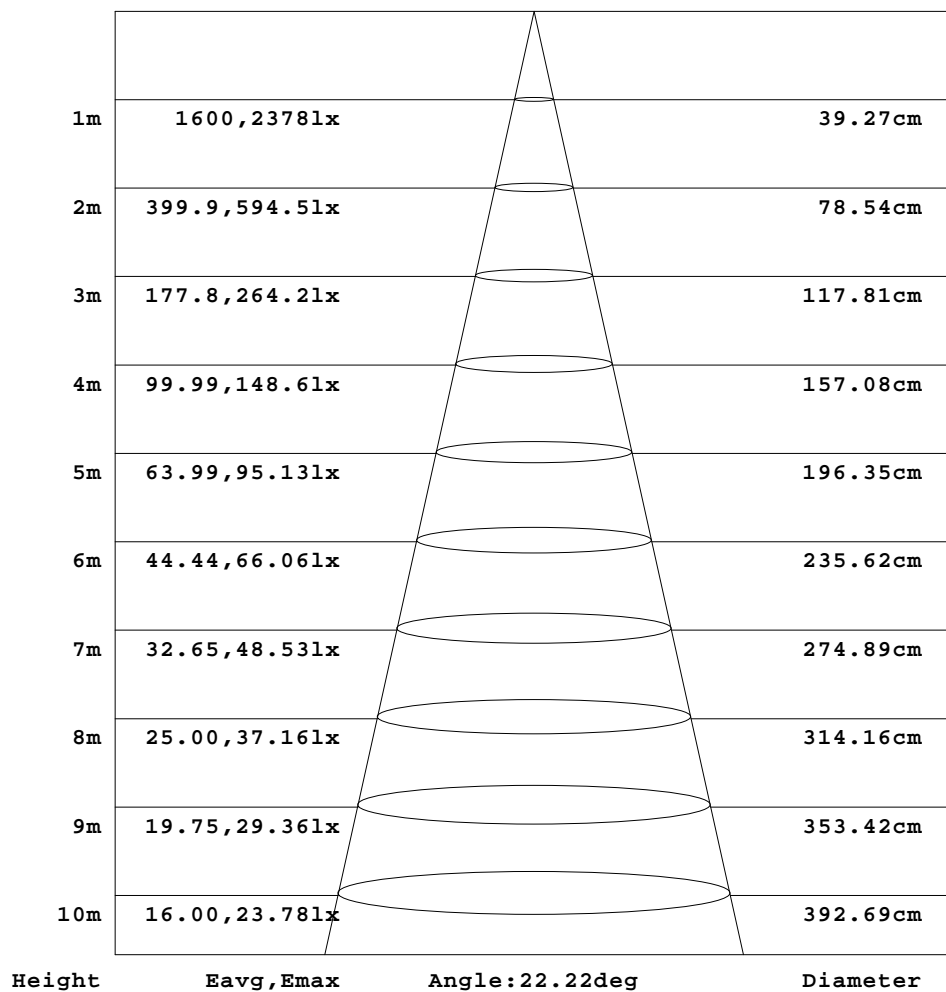
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-17

deg Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.8V I:0.0312A P:6.351W PF:0.9208 Freq:49.99Hz Lamp Flux:393.118x1 lm		
NAME: LLS-M60SFXBS35RB	TYPE:	WEIGHT:
SPEC.:LLS-M60SFXBS35RB-T06NW9D-DC	DIM.: 300*50*25mm	SERIAL No.:
MFR.: COLORS	SUR.:300*50mm	Shielding Angle:

Flux out:227.1 lm



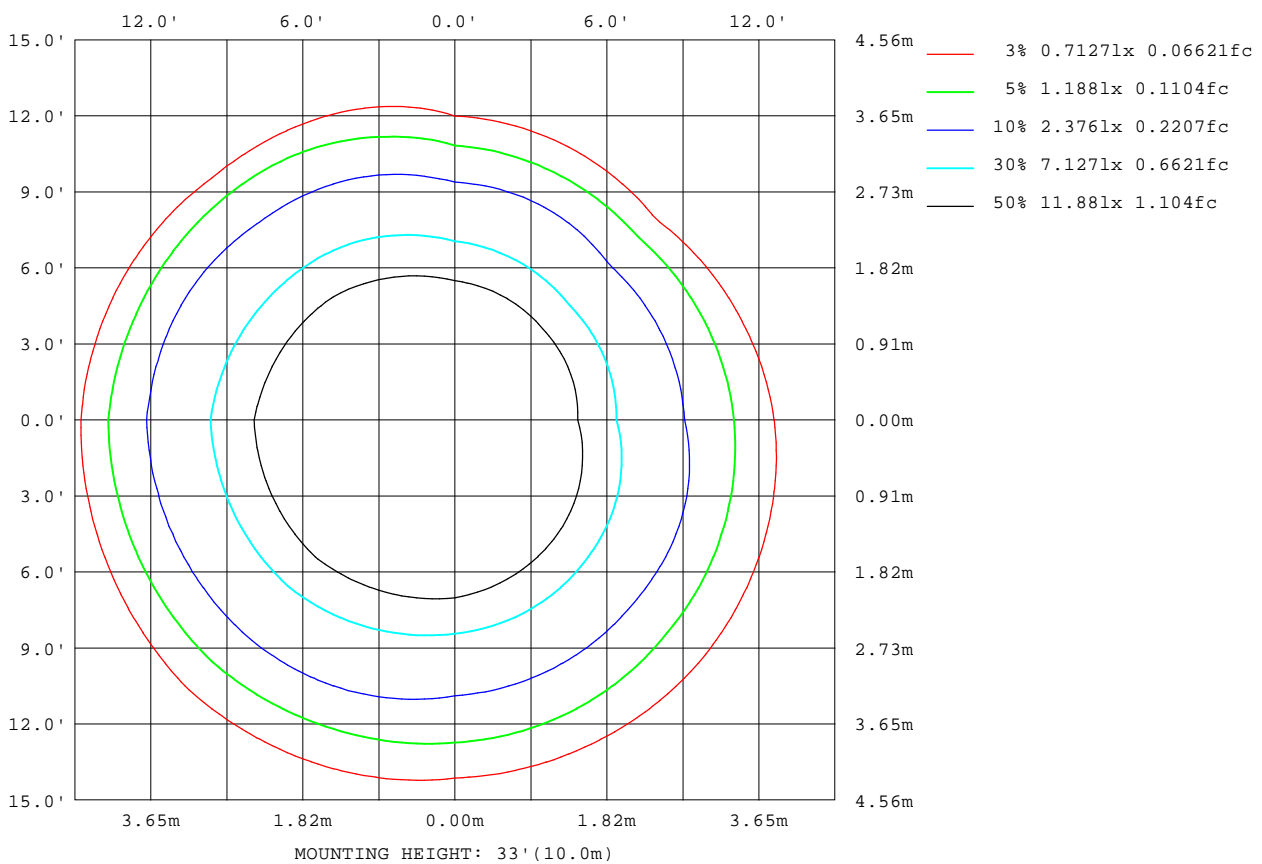
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

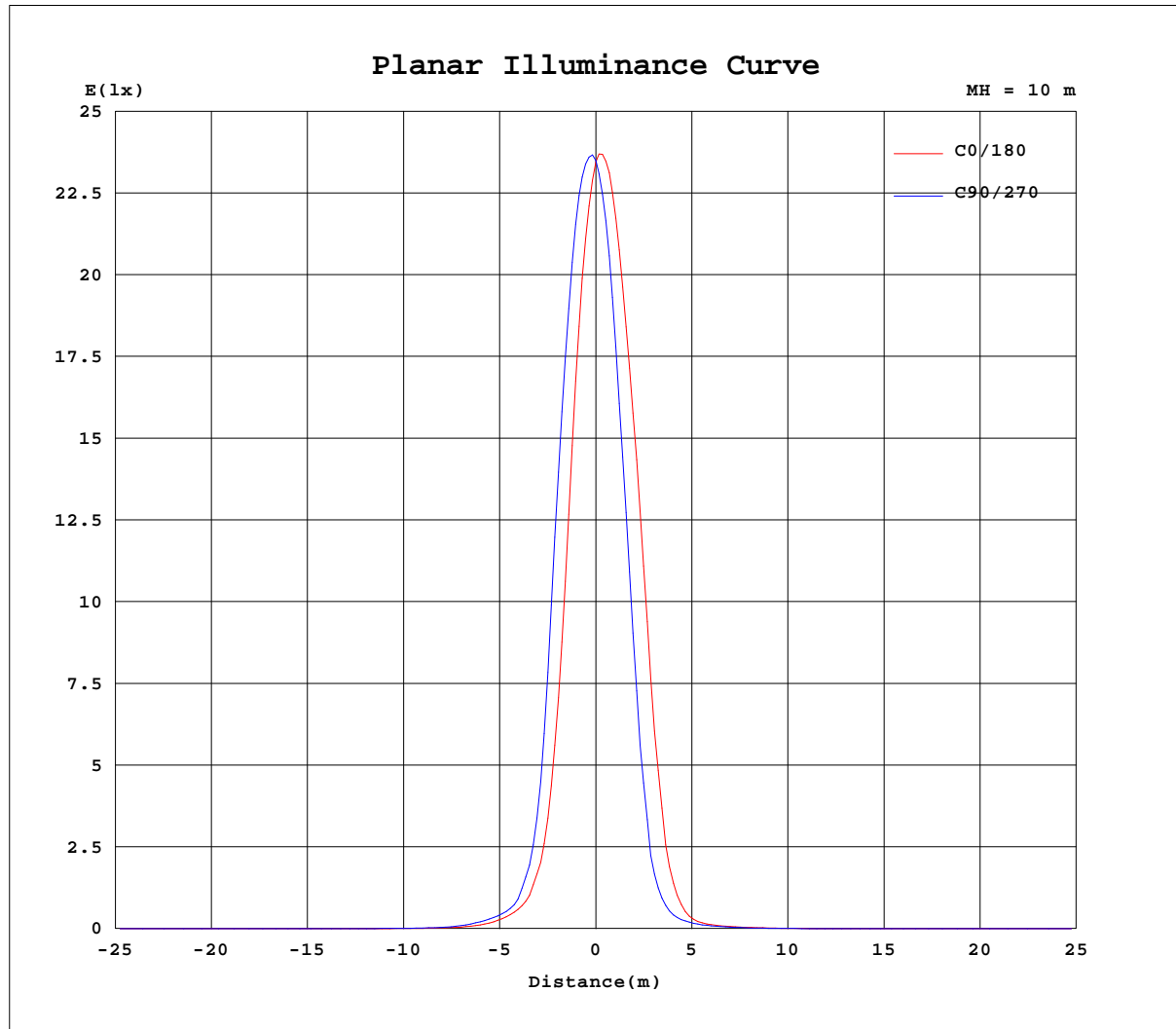
Test:U:220.8V I:0.0312A P:6.351W PF:0.9208 Freq:49.99Hz Lamp Flux:393.118x1 lm		
NAME: LLS-M60SFXBS35RB	TYPE:	WEIGHT:
SPEC.:LLS-M60SFXBS35RB-T06NW9D-DC	DIM.: 300*50*25mm	SERIAL No.:
MFR.: COLORS	SUR.:300*50mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-09-17

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JYH
Test Date: 2020-09-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.8V I:0.0312A P:6.351W PF:0.9208 Freq:49.99Hz Lamp Flux:393.118x1 lm		
NAME: LLS-M60SFXBS35RB	TYPE:	WEIGHT:
SPEC.:LLS-M60SFXBS35RB-T06NW9D-DC	DIM.: 300*50*25mm	SERIAL No.:
MFR.: COLORS	SUR.:300*50mm	Shielding Angle:

Table--1

UNIT: cd

C(DEC) g (DEC)	0	45	90	135	180	225	270	315										
0	2346	2350	2350	2333	2346	2350	2350	2333										
5	1864	2072	2269	2301	2278	2117	1953	1847										
10	919	1307	1656	1772	1795	1522	1142	948										
15	289	483	663	944	1042	688	370	237										
20	101	137	191	263	309	189	86.2	64.1										
25	49.6	63.8	71.2	83.6	70.9	44.7	32.1	27.8										
30	22.6	32.5	39.1	42.3	23.1	19.2	16.3	14.0										
35	10.2	14.8	18.2	21.0	12.6	10.8	9.35	7.98										
40	5.51	7.08	8.29	9.49	7.45	6.45	5.45	4.70										
45	3.47	4.08	4.57	4.85	4.31	3.73	3.19	2.98										
50	2.38	2.71	2.95	3.01	2.73	2.40	2.10	2.07										
55	1.65	1.84	2.03	1.98	1.77	1.60	1.41	1.45										
60	1.19	1.26	1.39	1.29	1.25	1.09	0.97	1.05										
65	0.88	0.89	0.98	0.84	0.86	0.76	0.66	0.76										
70	0.58	0.62	0.63	0.51	0.51	0.49	0.41	0.52										
75	0.38	0.42	0.37	0.29	0.26	0.30	0.25	0.34										
80	0.24	0.21	0.19	0.11	0.11	0.15	0.14	0.21										
85	0.13	0.11	0.05	0.00	0.03	0.05	0.01	0.12										
90	0.07	0.11	0.02	0.00	0.01	0.01	0.00	0.06										
95	0.02	0.07	0.00	0.00	0.01	0.01	0.01	0.03										
100	0.01	0.03	0.00	0.00	0.01	0.01	0.01	0.01										
105	0.01	0.05	0.00	0.01	0.03	0.01	0.01	0.01										
110	0.01	0.04	0.00	0.02	0.02	0.01	0.02	0.01										
115	0.01	0.07	0.00	0.02	0.03	0.01	0.03	0.01										
120	0.01	0.05	0.00	0.02	0.03	0.01	0.03	0.01										
125	0.01	0.05	0.00	0.03	0.03	0.01	0.05	0.01										
130	0.12	0.09	0.00	0.04	0.05	0.01	0.07	0.08										
135	0.23	0.17	0.11	0.08	0.09	0.11	0.15	0.14										
140	0.41	0.32	0.19	0.17	0.16	0.17	0.27	0.28										
145	0.66	0.57	0.41	0.34	0.31	0.31	0.46	0.52										
150	1.29	1.04	0.72	0.62	0.56	0.60	0.72	0.97										
155	2.97	2.05	1.34	1.17	1.00	1.12	1.27	1.96										
160	7.42	4.72	2.77	2.26	2.07	2.41	2.73	5.01										
165	15.1	10.4	6.43	5.01	5.06	5.70	5.83	10.2										
170	20.3	15.3	12.5	10.2	11.2	9.90	9.06	12.1										
175	20.1	19.3	17.8	13.5	16.5	14.1	13.2	12.5										
180	20.3	21.2	21.1	14.6	20.3	21.2	21.1	14.5										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-17

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks: