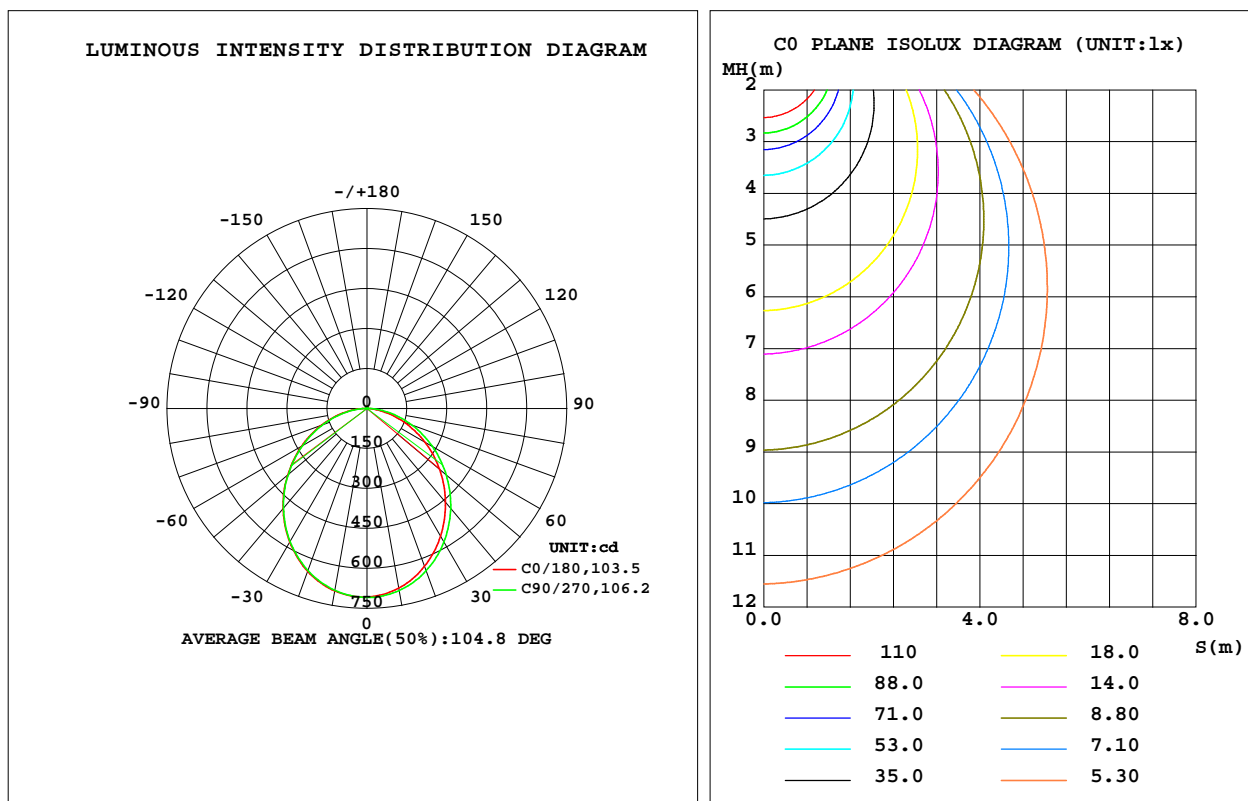


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:1.154A P:27.70W PF:1.000 Freq:0Hz Lamp Flux:1905.38x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F25WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.78 lm/W			
MODELLS-LE6935FPXSS1200(F)		Imax(cd)	709.8	S/MH(C0/180)	1.17
NOMINAL POWER(W)	27	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1905.4	h UP,DN(C0-180)	0.7,49.0
NOMINAL FLUX(lm)	1905.38	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.6,49.8
LAMPS INSIDE	1	h up(%)	1.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	98.7	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-05

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:

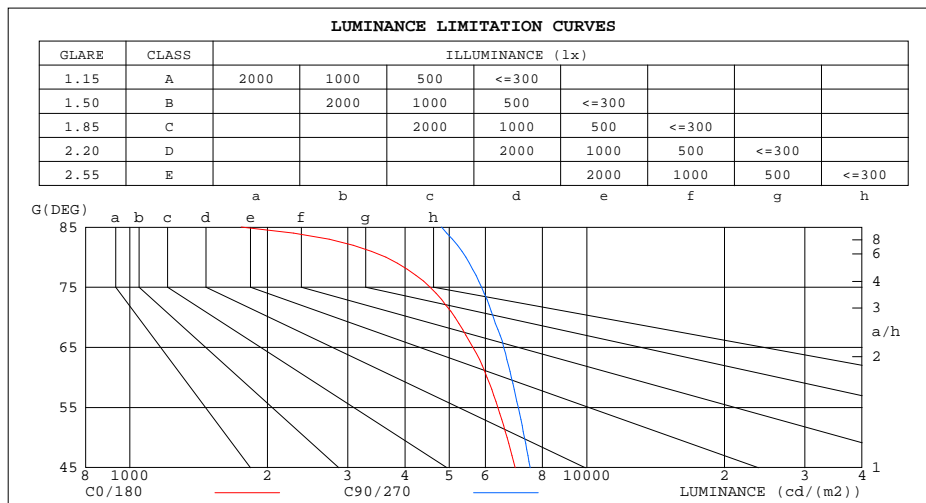
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	684.7	688.8	693.8	697.1	695.1	693.7	692.8	688.6	0- 10	66.82	66.82	3.51,3.51
20	630.7	639.7	648.7	653.7	650.4	648.8	647.4	637.8	10- 20	189.4	256.2	13.4,13.4
30	552.5	565.9	578.3	584.6	579.3	578.6	577.1	562.7	20- 30	281.4	537.6	28.2,28.2
40	458.7	474.2	489.2	496.3	490.1	490.0	487.9	470.3	30- 40	330.7	868.3	45.6,45.6
50	356.2	370.2	388.8	394.7	387.5	389.7	384.8	368.0	40- 50	333.4	1202	63.1,63.1
60	250.6	265.9	283.2	289.3	283.8	285.7	279.3	262.8	50- 60	293.0	1495	78.4,78.4
70	145.9	164.7	176.8	186.6	180.4	181.2	174.2	159.0	60- 70	220.4	1715	90,90
80	52.22	70.62	78.23	90.27	83.86	86.16	76.54	66.33	70- 80	129.1	1844	96.8,96.8
90	1.991	2.771	2.343	4.193	4.496	1.971	1.014	1.617	80- 90	37.30	1882	98.7,98.7
100	2.102	2.558	1.937	1.938	2.051	1.148	1.210	2.122	90-100	1.979	1884	98.9,98.9
110	3.045	2.920	2.495	2.312	2.513	1.917	2.259	2.919	100-110	2.299	1886	99,99
120	4.194	3.896	3.610	3.121	3.081	2.798	3.268	3.633	110-120	2.976	1889	99.1,99.1
130	5.262	4.650	4.547	3.908	3.855	3.693	4.210	4.341	120-130	3.478	1892	99.3,99.3
140	6.150	5.345	5.363	4.839	4.743	4.692	4.971	4.967	130-140	3.649	1896	99.5,99.5
150	6.905	5.940	6.251	5.886	5.505	5.875	5.879	5.656	140-150	3.474	1899	99.7,99.7
160	7.873	6.913	7.332	7.160	6.460	7.220	7.181	6.851	150-160	3.008	1902	99.8,99.8
170	8.763	8.151	8.228	8.584	7.603	8.595	8.196	8.114	160-170	2.172	1905	100,100
180	8.650	9.144	8.951	9.117	8.637	9.171	8.991	9.144	170-180	0.8129	1905	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:2020-11-05

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:24.00V I:1.154A P:27.70W PF:1.000 Freq:0Hz Lamp Flux:1905.38x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F25WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	1752	4812
80	3632	5441
75	4542	5887
70	5151	6242
65	5638	6579
60	6053	6840
55	6386	7081
50	6692	7305
45	6967	7514

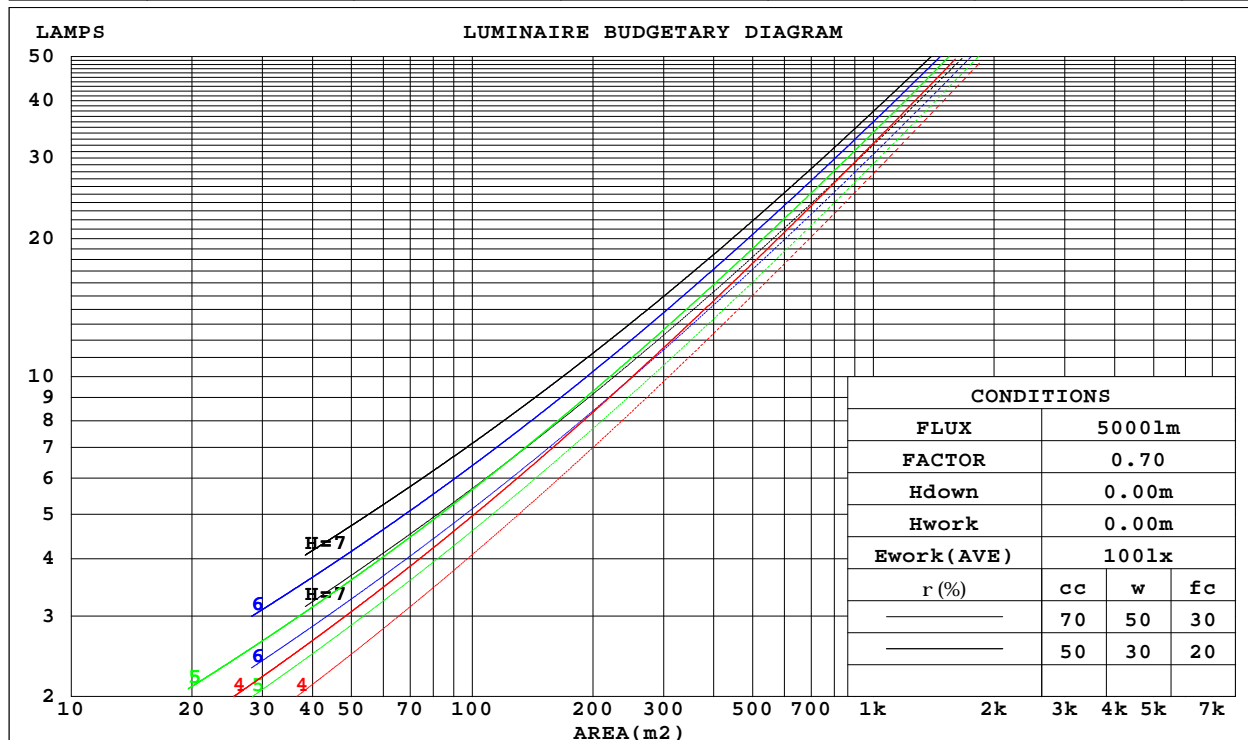
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-05

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:24.00V I:1.154A P:27.70W PF:1.000 Freq:0Hz Lamp Flux:1905.38x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F25WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	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:2020-11-05

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:24.00V I:1.154A P:27.70W PF:1.000 Freq:0Hz Lamp Flux:1905.38x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F25WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	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 Wall Exitance Coefficients(WEC)															
0.0																
1.0	.306	.174	.055	.299	.171	.054	.285	.164	.052	.272	.157	.050	.260	.151	.049	
2.0	.288	.158	.048	.281	.155	.048	.269	.150	.046	.258	.144	.045	.247	.140	.044	
3.0	.266	.142	.042	.260	.139	.042	.250	.135	.041	.239	.131	.040	.230	.127	.039	
4.0	.246	.128	.038	.241	.126	.037	.231	.122	.037	.222	.119	.036	.214	.116	.035	
5.0	.227	.116	.034	.223	.114	.033	.214	.111	.033	.206	.109	.032	.199	.106	.032	
6.0	.211	.106	.030	.207	.104	.030	.199	.102	.030	.192	.100	.029	.185	.098	.029	
7.0	.196	.097	.028	.193	.096	.027	.186	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.184	.090	.025	.180	.089	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.158	.079	.023	.153	.078	.023	
10.0	.162	.078	.022	.159	.077	.021	.154	.076	.021	.149	.074	.021	.145	.073	.021	

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	.190	.166	.144	.162	.142	.124	.111	.098	.086	.064	.057	.050	.020	.018	.016	
2.0	.181	.142	.108	.155	.122	.094	.106	.084	.065	.061	.049	.038	.020	.016	.012	
3.0	.173	.124	.085	.149	.107	.073	.102	.074	.051	.059	.043	.030	.019	.014	.010	
4.0	.166	.111	.069	.142	.096	.060	.098	.067	.042	.057	.039	.025	.018	.013	.008	
5.0	.158	.100	.057	.136	.087	.050	.094	.061	.035	.054	.036	.021	.017	.012	.007	
6.0	.151	.092	.049	.130	.080	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
7.0	.144	.085	.043	.124	.074	.038	.086	.052	.027	.050	.030	.016	.016	.010	.005	
8.0	.138	.079	.039	.119	.069	.034	.082	.048	.024	.048	.028	.014	.015	.009	.005	
9.0	.132	.074	.035	.114	.064	.031	.079	.045	.022	.046	.027	.013	.015	.009	.004	
10.0	.126	.070	.033	.109	.061	.028	.076	.043	.020	.044	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-05

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:24.00V I:1.154A P:27.70W PF:1.000 Freq:0Hz Lamp Flux:1905.38x1 lm											
NAME: LLS-LE6935FPXSS1200(F)					TYPE:			WEIGHT:			
SPEC.:LLS-LE6935FPXSS1200(F)-F25WW8D-DC					DIM.: 1200*69*35mm			SERIAL No.:			
MFR.: COLORS					SUR.:1200*69mm			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	16.8	18.2	17.0	18.5	18.7	17.2	18.7	17.5	18.9	19.1	
	3H	18.1	19.5	18.4	19.7	20.0	18.7	20.1	19.0	20.3	20.6
	4H	18.6	19.9	18.9	20.1	20.4	19.3	20.6	19.7	20.9	21.2
	6H	18.9	20.1	19.2	20.4	20.7	19.8	21.0	20.1	21.3	21.6
	8H	18.9	20.1	19.3	20.4	20.7	19.9	21.1	20.3	21.4	21.8
	12H	18.9	20.1	19.3	20.4	20.7	20.0	21.2	20.4	21.5	21.8
4H	2H	17.4	18.7	17.7	19.0	19.2	17.7	19.0	18.0	19.3	19.6
	3H	18.9	20.0	19.3	20.4	20.7	19.4	20.6	19.8	20.9	21.2
	4H	19.5	20.6	19.9	20.9	21.3	20.2	21.2	20.6	21.6	21.9
	6H	19.9	20.9	20.3	21.2	21.6	20.8	21.7	21.2	22.1	22.5
	8H	20.0	20.9	20.5	21.3	21.7	21.0	21.8	21.4	22.2	22.6
	12H	20.1	20.8	20.5	21.3	21.7	21.1	21.9	21.6	22.3	22.8
8H	4H	19.8	20.7	20.2	21.1	21.5	20.4	21.3	20.8	21.6	22.1
	6H	20.4	21.1	20.8	21.5	22.0	21.1	21.9	21.6	22.3	22.7
	8H	20.6	21.2	21.0	21.6	22.1	21.4	22.1	21.9	22.5	23.0
	12H	20.6	21.2	21.1	21.6	22.1	21.7	22.2	22.2	22.7	23.2
12H	4H	19.8	20.6	20.3	21.0	21.5	20.4	21.2	20.8	21.6	22.0
	6H	20.5	21.1	20.9	21.5	22.0	21.2	21.8	21.7	22.3	22.7
	8H	20.7	21.2	21.2	21.7	22.2	21.5	22.1	22.0	22.5	23.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117, 1905 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.2$)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-05

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:24.00V I:1.154A P:27.70W PF:1.000 Freq:0Hz Lamp Flux:1905.38x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F25WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

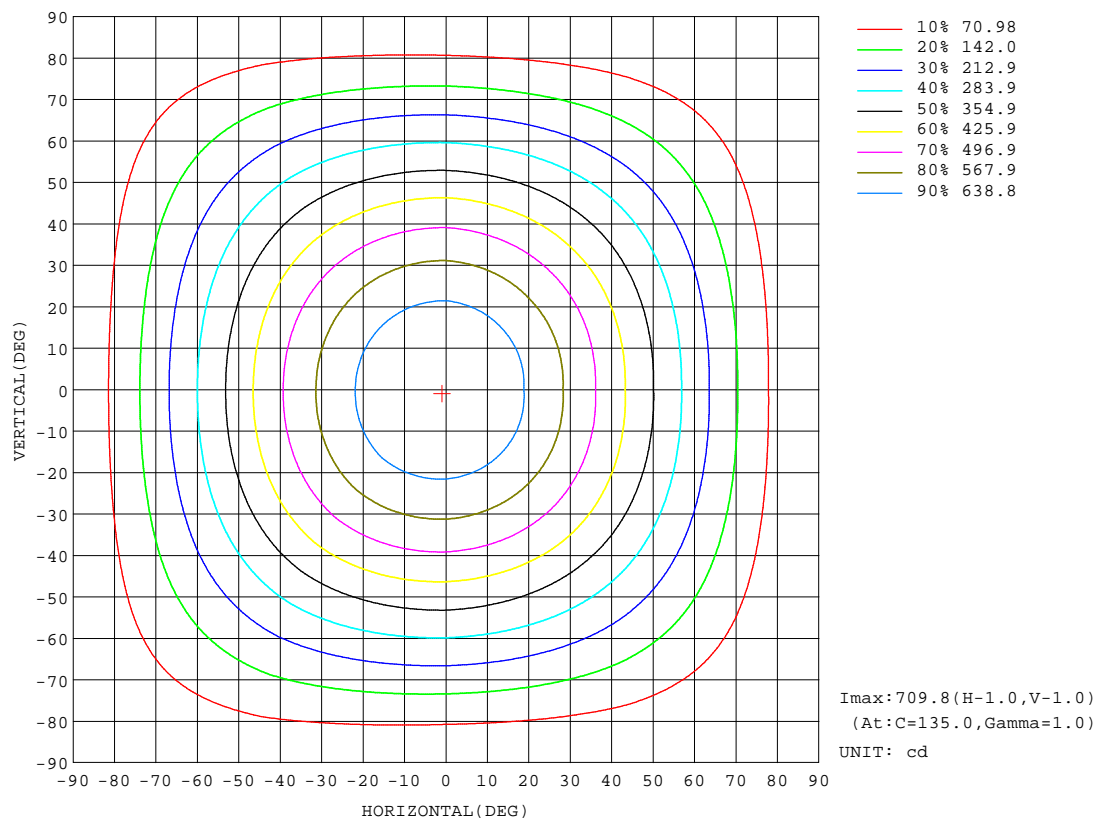
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	68	57	49	67	56	49	65	55	49	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	78	72	87	78	71	83	76	70	62
2.00	95	87	80	93	85	79	89	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	96	104	99	94	99	95	91	82
5.00	108	104	100	106	102	98	101	98	95	85
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:2020-11-05

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:24.00V I:1.154A P:27.70W PF:1.000 Freq:0Hz Lamp Flux:1905.38x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F25WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



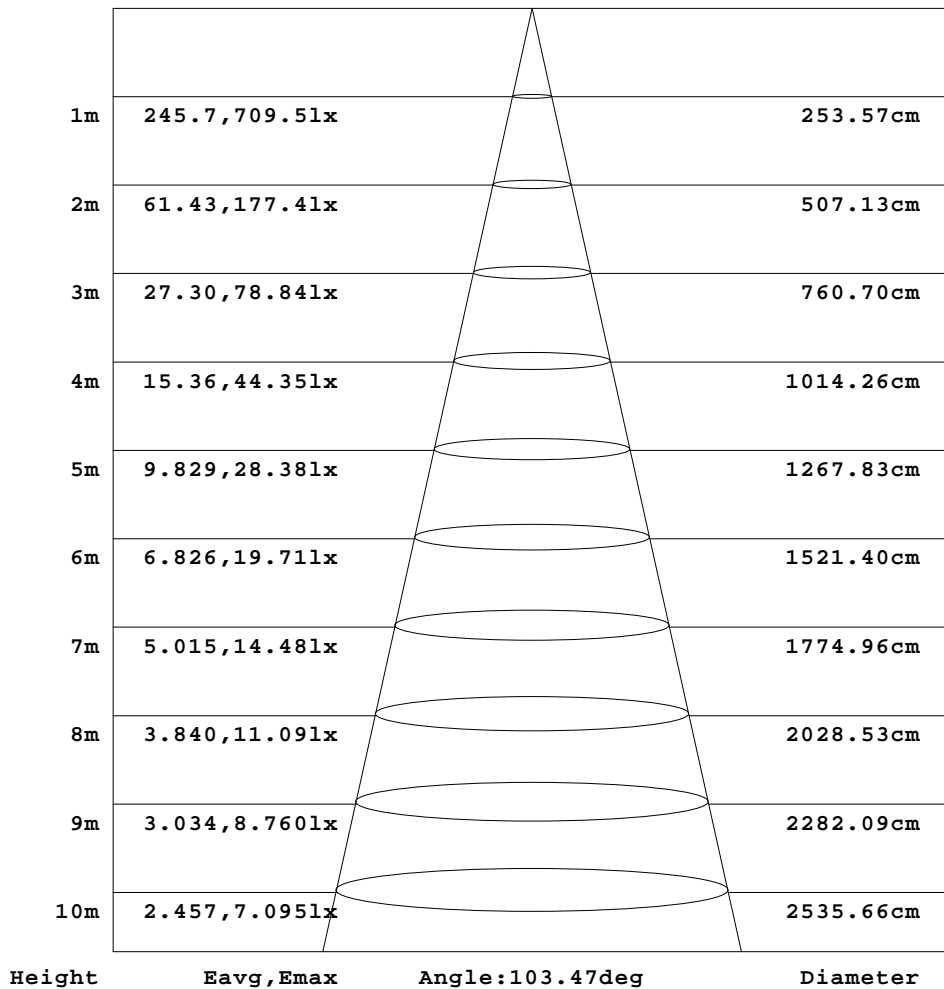
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-05

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:24.00V I:1.154A P:27.70W PF:1.000 Freq:0Hz Lamp Flux:1905.38x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F25WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

Flux out:1265 lm



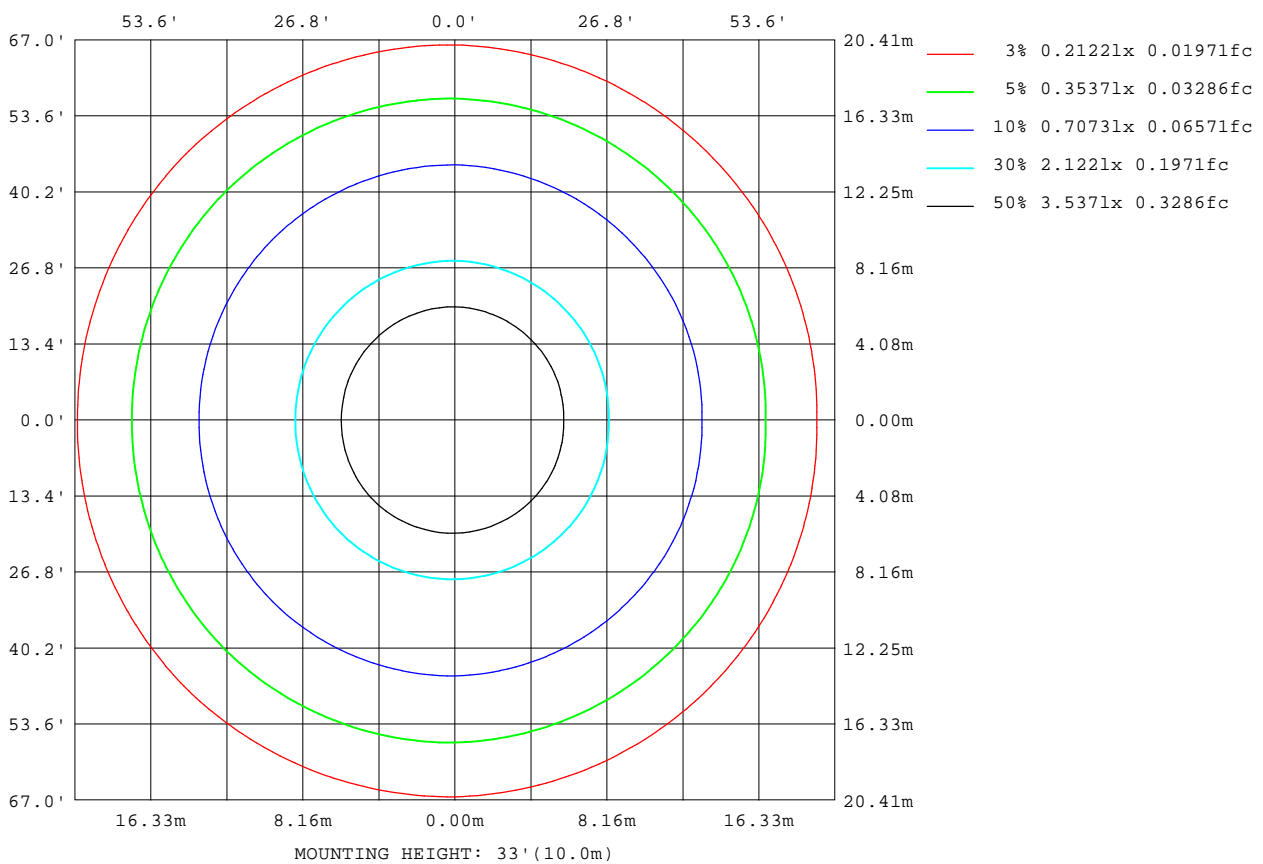
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-05

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

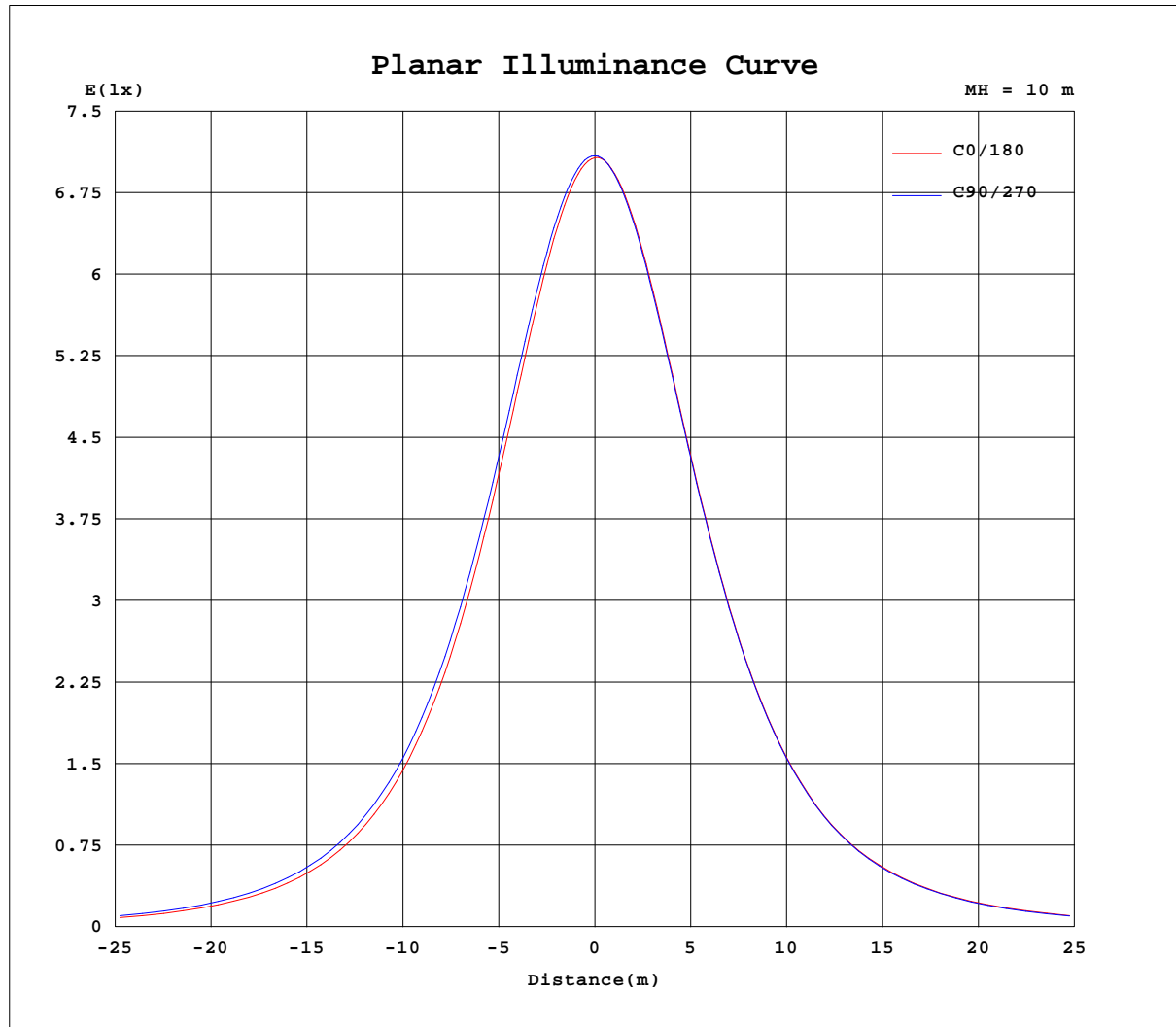
Test:U:24.00V I:1.154A P:27.70W PF:1.000 Freq:0Hz Lamp Flux:1905.38x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F25WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-11-05

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: 2020-11-05

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:1.154A P:27.70W PF:1.000 Freq:0Hz Lamp Flux:1905.38x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F25WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	45	90	135	180	225	270	315										
0	707	708	709	709	707	708	709	709										
5	700	702	705	708	705	705	705	703										
10	685	689	694	697	695	694	693	689										
15	661	668	675	679	677	675	674	667										
20	631	640	649	654	650	649	647	638										
25	594	605	616	622	618	616	615	602										
30	553	566	578	585	579	579	577	563										
35	507	522	536	542	536	536	534	518										
40	459	474	489	496	490	490	488	470										
45	408	424	440	447	441	441	439	420										
50	356	370	389	395	387	390	385	368										
55	303	318	336	342	336	338	332	315										
60	251	266	283	289	284	286	279	263										
65	197	214	230	237	232	233	226	210										
70	146	165	177	187	180	181	174	159										
75	97.3	116	126	137	131	132	124	111										
80	52.2	70.6	78.2	90.3	83.9	86.2	76.5	66.3										
85	12.6	27.2	34.7	45.7	40.3	41.9	33.2	23.5										
90	1.99	2.77	2.34	4.19	4.50	1.97	1.01	1.62										
95	1.97	2.56	1.97	1.81	1.94	0.90	0.94	1.79										
100	2.10	2.56	1.94	1.94	2.05	1.15	1.21	2.12										
105	2.46	2.59	2.04	2.08	2.29	1.52	1.70	2.54										
110	3.05	2.92	2.50	2.31	2.51	1.92	2.26	2.92										
115	3.60	3.41	3.08	2.74	2.77	2.36	2.81	3.27										
120	4.19	3.90	3.61	3.12	3.08	2.80	3.27	3.63										
125	4.75	4.30	4.09	3.50	3.45	3.26	3.75	4.02										
130	5.26	4.65	4.55	3.91	3.86	3.69	4.21	4.34										
135	5.72	5.00	4.97	4.36	4.29	4.17	4.63	4.66										
140	6.15	5.34	5.36	4.84	4.74	4.69	4.97	4.97										
145	6.52	5.65	5.72	5.34	5.16	5.27	5.39	5.29										
150	6.90	5.94	6.25	5.89	5.51	5.88	5.88	5.66										
155	7.33	6.33	6.83	6.50	5.97	6.52	6.54	6.15										
160	7.87	6.91	7.33	7.16	6.46	7.22	7.18	6.85										
165	8.38	7.62	7.90	7.85	7.00	7.89	7.71	7.53										
170	8.76	8.15	8.23	8.58	7.60	8.60	8.20	8.11										
175	8.52	8.64	8.62	8.82	8.15	8.85	8.68	8.63										
180	8.65	9.14	8.95	9.12	8.64	9.17	8.99	9.14										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-05

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: