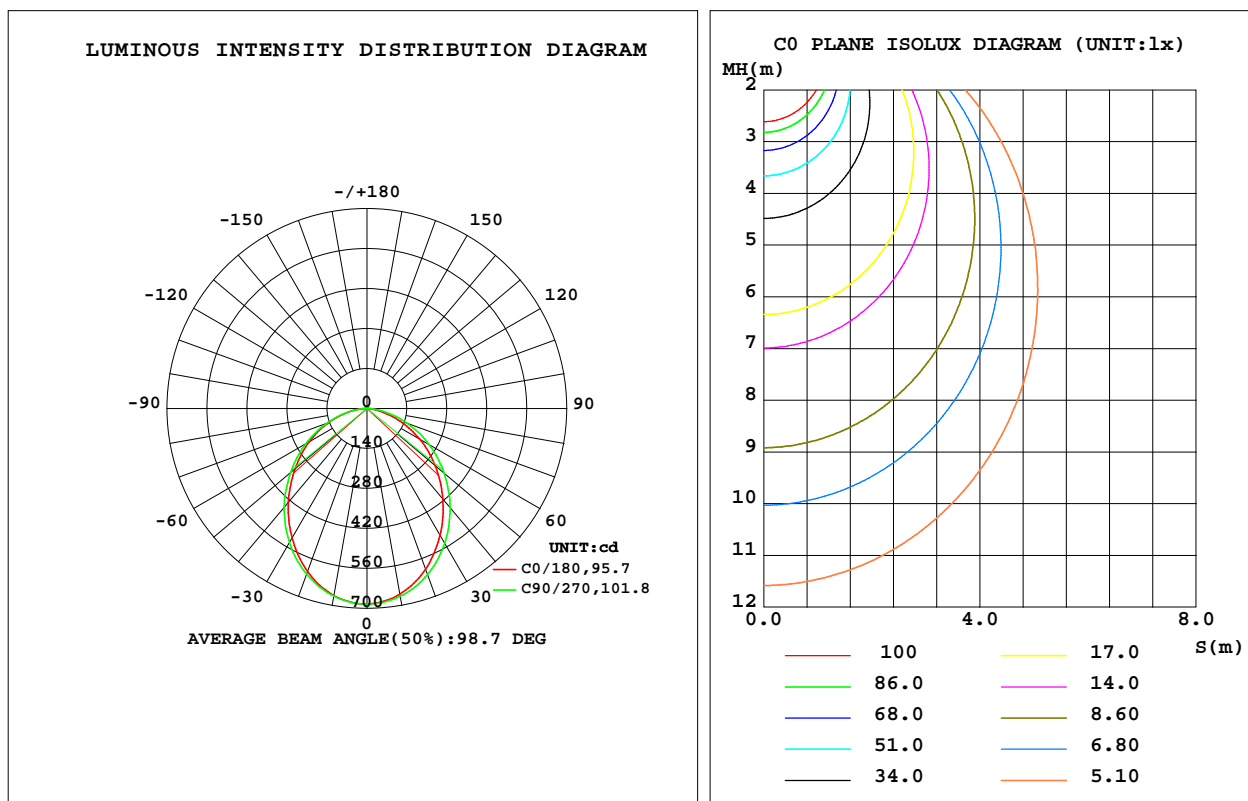


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.9358A P:22.46W PF:1.000 Freq:0Hz Lamp Flux:1688.5lx1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.19 lm/W			
MODELLS-LE6935FDXSS1200(F)		Imax(cd)	685.5	S/MH(C0/180)	1.13
NOMINAL POWER(W)	22	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1688.5	h UP,DN(C0-180)	0.6,49.2
NOMINAL FLUX(lm)	1688.51	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.6,49.6
LAMPS INSIDE	1	h up(%)	1.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	98.8	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

g 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:

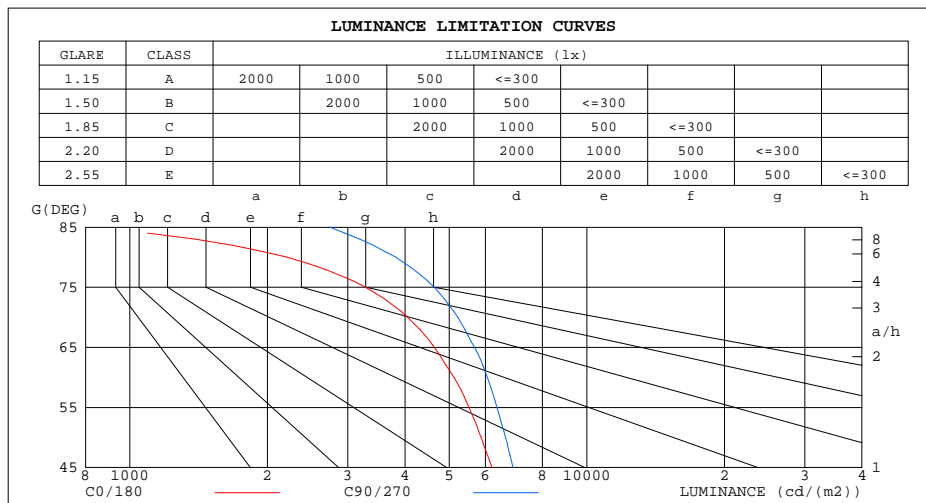
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	660.7	666.7	668.3	668.7	665.4	666.0	667.1	663.4	0- 10	64.46	64.46	3.82,3.82
20	599.3	612.3	619.1	616.7	608.1	611.7	617.5	606.5	10- 20	180.9	245.4	14.5,14.5
30	512.4	531.4	544.6	538.2	524.4	531.9	542.7	524.3	20- 30	264.1	509.5	30.2,30.2
40	413.7	435.4	453.3	444.7	429.0	437.7	451.5	428.0	30- 40	303.2	812.7	48.1,48.1
50	312.6	331.1	353.3	343.2	328.9	339.2	349.4	326.4	40- 50	297.8	1110	65.8,65.8
60	212.1	229.5	250.7	245.0	234.0	241.1	247.9	225.2	50- 60	255.3	1366	80.9,80.9
70	114.9	130.0	147.8	148.7	141.7	144.1	147.3	125.4	60- 70	184.1	1550	91.8,91.8
80	31.72	41.91	54.90	59.64	56.76	56.98	55.25	38.97	70- 80	97.02	1647	97.5,97.5
90	0.8684	1.316	1.609	2.446	1.910	1.480	0.5897	0.3211	80- 90	21.54	1668	98.8,98.8
100	1.340	1.490	1.356	1.250	0.7306	0.7669	0.8898	1.046	90-100	0.9884	1669	98.9,98.9
110	2.382	2.275	2.083	1.872	1.610	1.568	1.953	1.908	100-110	1.589	1671	99,99
120	3.417	3.267	3.191	2.720	2.519	2.456	2.995	2.665	110-120	2.413	1673	99.1,99.1
130	4.394	4.029	4.100	3.522	3.415	3.359	3.902	3.486	120-130	2.990	1676	99.3,99.3
140	5.310	4.744	4.908	4.463	4.317	4.374	4.656	4.274	130-140	3.245	1680	99.5,99.5
150	6.131	5.398	5.823	5.592	5.163	5.621	5.553	5.088	140-150	3.173	1683	99.7,99.7
160	7.200	6.400	6.925	6.958	6.235	7.032	6.822	6.298	150-160	2.815	1686	99.8,99.8
170	8.322	7.855	7.880	8.210	7.455	8.275	7.843	7.800	160-170	2.076	1688	100,100
180	8.343	8.797	8.556	8.750	8.356	8.743	8.596	8.737	170-180	0.7826	1689	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:0.9358A P:22.46W PF:1.000 Freq:0Hz Lamp Flux:1688.5lx1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	796	2735
80	2206	3818
75	3276	4635
70	4056	5219
65	4637	5678
60	5124	6055
55	5528	6360
50	5873	6638
45	6203	6897

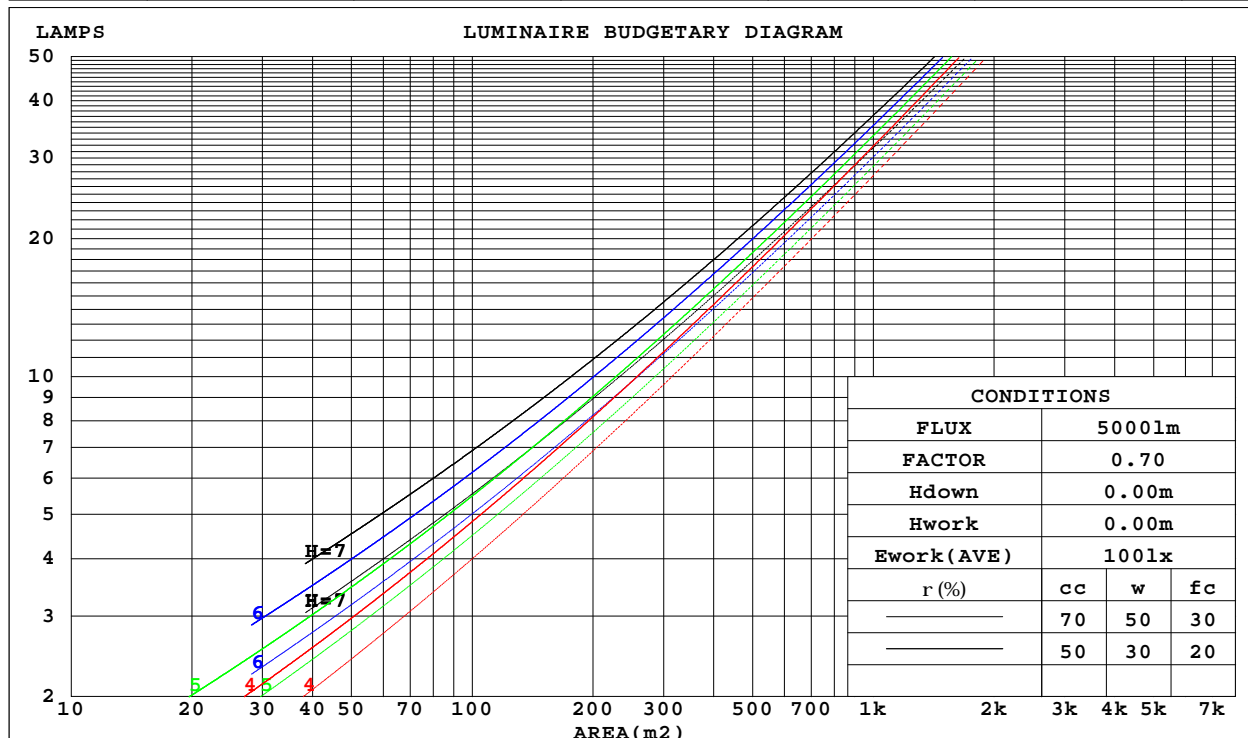
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-05

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:0.9358A P:22.46W PF:1.000 Freq:0Hz Lamp Flux:1688.5lx1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F20WW8D-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
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:0.9358A P:22.46W PF:1.000 Freq:0Hz Lamp Flux:1688.51x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F20WW8D-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	.291	.166	.052	.284	.162	.051	.270	.155	.049	.257	.148	.048	.245	.142	.046	
2.0	.277	.152	.047	.270	.149	.046	.258	.143	.045	.247	.138	.043	.236	.134	.042	
3.0	.258	.137	.041	.252	.135	.041	.241	.131	.040	.231	.127	.039	.222	.123	.038	
4.0	.239	.124	.037	.234	.122	.036	.224	.119	.036	.216	.116	.035	.207	.113	.034	
5.0	.222	.113	.033	.217	.112	.033	.209	.109	.032	.201	.106	.032	.194	.103	.031	
6.0	.207	.104	.030	.203	.102	.029	.195	.100	.029	.188	.098	.029	.181	.095	.028	
7.0	.193	.095	.027	.189	.094	.027	.182	.092	.027	.176	.090	.026	.170	.088	.026	
8.0	.180	.088	.025	.177	.087	.025	.171	.086	.024	.165	.084	.024	.160	.082	.024	
9.0	.169	.082	.023	.167	.081	.023	.161	.080	.023	.156	.078	.022	.151	.077	.022	
10.0	.160	.077	.021	.157	.076	.021	.152	.074	.021	.147	.073	.021	.143	.072	.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	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.188	.165	.145	.161	.142	.125	.110	.098	.086	.063	.057	.050	.020	.018	.016	
2.0	.179	.141	.109	.154	.122	.094	.105	.084	.066	.061	.049	.039	.019	.016	.013	
3.0	.171	.123	.085	.147	.107	.074	.101	.074	.052	.058	.043	.031	.019	.014	.010	
4.0	.164	.110	.069	.140	.095	.060	.097	.066	.042	.056	.039	.025	.018	.013	.008	
5.0	.156	.100	.058	.134	.086	.050	.092	.060	.035	.054	.035	.021	.017	.012	.007	
6.0	.149	.091	.050	.128	.079	.043	.088	.055	.030	.051	.033	.018	.017	.011	.006	
7.0	.143	.084	.043	.123	.073	.038	.085	.051	.027	.049	.030	.016	.016	.010	.005	
8.0	.136	.078	.039	.117	.068	.034	.081	.048	.024	.047	.028	.014	.015	.009	.005	
9.0	.130	.073	.035	.112	.064	.031	.078	.045	.022	.045	.026	.013	.015	.009	.004	
10.0	.125	.069	.032	.108	.060	.028	.075	.042	.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:0.9358A P:22.46W PF:1.000 Freq:0Hz Lamp Flux:1688.5lx1 lm											
NAME: LLS-LE6935FDXSS1200(F)					TYPE:			WEIGHT:			
SPEC.:LLS-LE6935FDXSS1200(F)-F20WW8D-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	16.6	18.1	16.9	18.3	18.5	17.2	18.7	17.5	18.9	19.1	
	3H	17.8	19.1	18.1	19.4	19.6	18.6	19.9	18.9	20.2	20.4
	4H	18.1	19.4	18.5	19.7	19.9	19.1	20.4	19.4	20.6	20.9
	6H	18.3	19.5	18.6	19.8	20.1	19.4	20.6	19.7	20.9	21.2
	8H	18.3	19.4	18.6	19.7	20.0	19.5	20.6	19.8	20.9	21.2
	12H	18.2	19.3	18.6	19.7	20.0	19.5	20.6	19.9	20.9	21.2
4H	2H	17.2	18.5	17.5	18.8	19.0	17.7	19.0	18.0	19.2	19.5
	3H	18.5	19.6	18.9	19.9	20.3	19.2	20.3	19.6	20.6	20.9
	4H	19.0	20.0	19.4	20.3	20.7	19.8	20.8	20.2	21.2	21.5
	6H	19.2	20.1	19.6	20.5	20.9	20.2	21.1	20.6	21.5	21.9
	8H	19.2	20.1	19.7	20.4	20.9	20.3	21.2	20.8	21.6	22.0
	12H	19.2	20.0	19.7	20.4	20.8	20.4	21.2	20.8	21.6	22.0
8H	4H	19.2	20.0	19.6	20.4	20.8	19.9	20.8	20.4	21.2	21.6
	6H	19.5	20.2	20.0	20.6	21.1	20.5	21.1	20.9	21.6	22.0
	8H	19.6	20.2	20.0	20.6	21.1	20.6	21.2	21.1	21.7	22.1
	12H	19.6	20.1	20.1	20.6	21.1	20.7	21.2	21.2	21.7	22.2
12H	4H	19.2	19.9	19.6	20.3	20.8	19.9	20.7	20.4	21.1	21.5
	6H	19.5	20.1	20.0	20.6	21.1	20.5	21.1	20.9	21.5	22.0
	8H	19.6	20.1	20.1	20.6	21.1	20.6	21.2	21.1	21.6	22.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.4					+ 0.1 / - 0.3					
2.0H	+ 0.3 / - 0.5					+ 0.3 / - 0.4					

CIE Pub.117, 1689 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.8)

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:0.9358A P:22.46W PF:1.000 Freq:0Hz Lamp Flux:1688.5lx1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

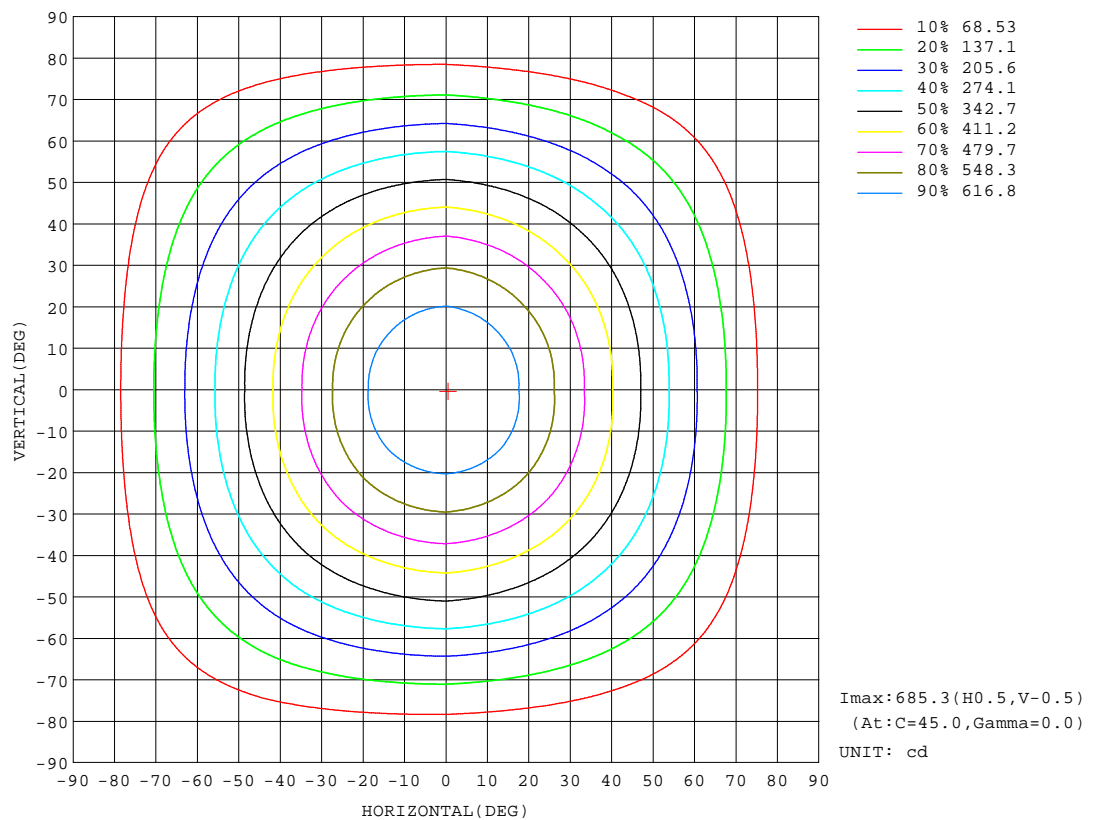
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	60	48	42	59	48	41	58	48	41	35
0.80	70	58	51	68	58	51	67	57	51	44
1.00	78	67	60	77	67	60	74	68	59	52
1.25	85	75	68	83	74	67	80	72	67	59
1.50	90	80	74	88	79	73	85	77	72	64
2.00	96	88	82	94	87	81	91	84	79	72
2.50	100	92	87	98	91	86	94	88	84	75
3.00	103	97	91	101	95	90	97	92	88	79
4.00	107	101	97	104	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	86
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:0.9358A P:22.46W PF:1.000 Freq:0Hz Lamp Flux:1688.5lx1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



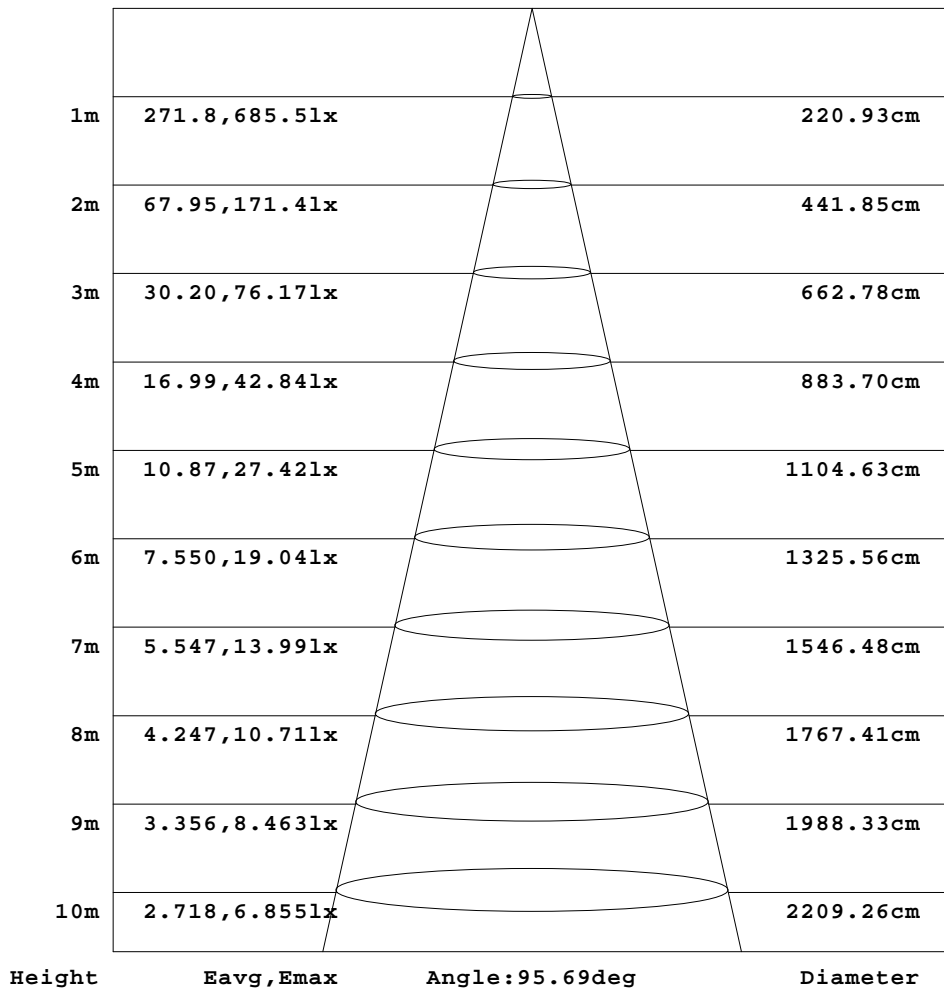
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JYH
 Test Date: 2020-11-05

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:0.9358A P:22.46W PF:1.000 Freq:0Hz Lamp Flux:1688.51x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

Flux out:1053 lm



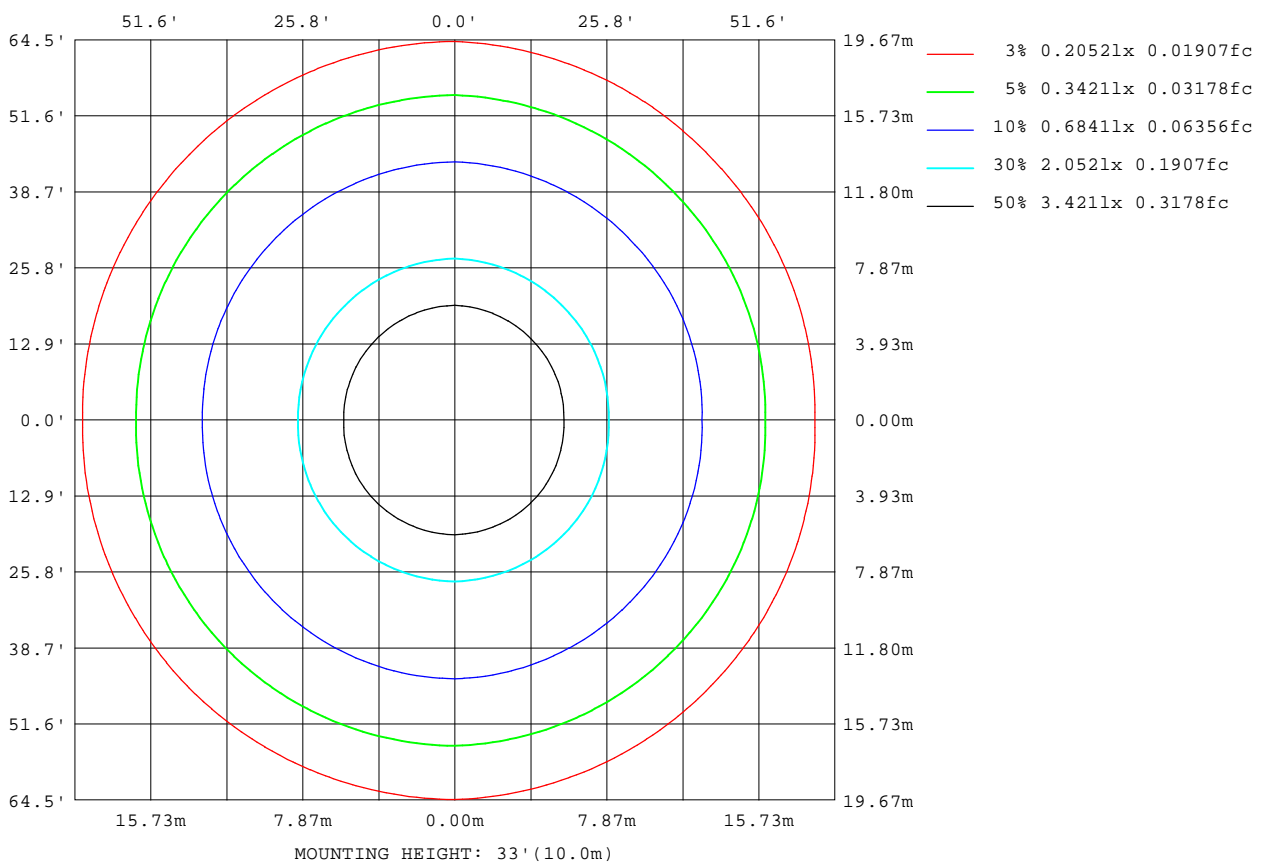
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

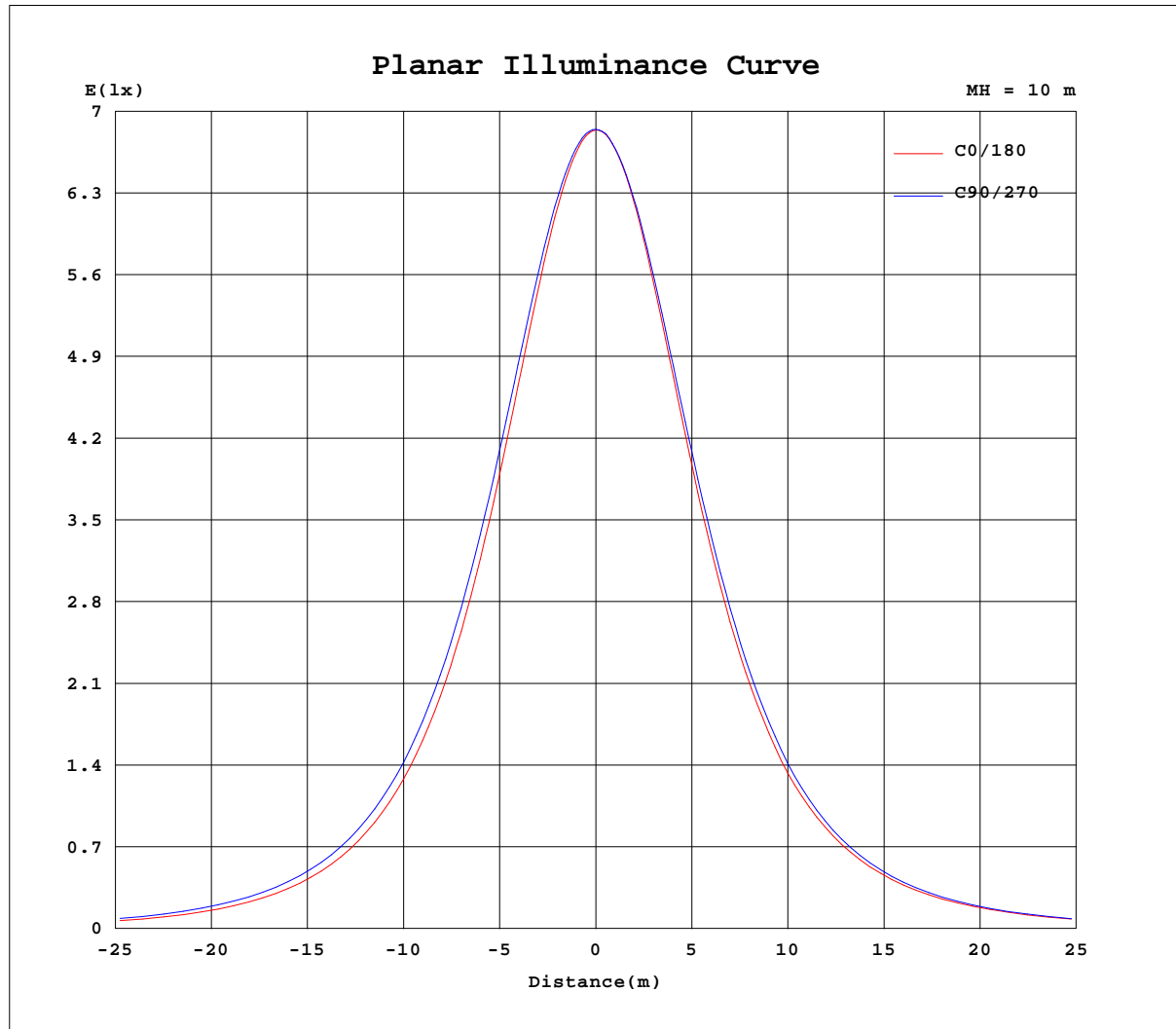
Test:U:24.00V I:0.9358A P:22.46W PF:1.000 Freq:0Hz Lamp Flux:1688.51x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



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

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:

Planar Illuminance Curve



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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.9358A P:22.46W PF:1.000 Freq:0Hz Lamp Flux:1688.51x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F20WW8D-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	684	685	685	685	684	685	685	685										
5	678	681	681	682	680	680	680	679										
10	661	667	668	669	665	666	667	663										
15	634	644	647	647	641	643	646	639										
20	599	612	619	617	608	612	618	607										
25	558	575	585	580	569	574	583	568										
30	512	531	545	538	524	532	543	524										
35	464	485	501	493	477	486	499	477										
40	414	435	453	445	429	438	451	428										
45	363	382	404	393	377	389	400	377										
50	313	331	353	343	329	339	349	326										
55	263	280	302	294	281	290	299	276										
60	212	230	251	245	234	241	248	225										
65	162	179	199	197	187	191	197	174										
70	115	130	148	149	142	144	147	125										
75	70.2	83.3	99.3	102	97.7	98.9	99.3	79.5										
80	31.7	41.9	54.9	59.6	56.8	57.0	55.2	39.0										
85	5.75	11.6	19.7	23.9	22.6	22.2	20.1	9.45										
90	0.87	1.32	1.61	2.45	1.91	1.48	0.59	0.32										
95	1.00	1.33	1.40	1.12	0.38	0.39	0.52	0.57										
100	1.34	1.49	1.36	1.25	0.73	0.77	0.89	1.05										
105	1.81	1.80	1.56	1.51	1.16	1.17	1.39	1.51										
110	2.38	2.28	2.08	1.87	1.61	1.57	1.95	1.91										
115	2.89	2.81	2.68	2.31	2.05	2.00	2.52	2.25										
120	3.42	3.27	3.19	2.72	2.52	2.46	2.99	2.67										
125	3.91	3.67	3.65	3.11	2.96	2.90	3.47	3.06										
130	4.39	4.03	4.10	3.52	3.42	3.36	3.90	3.49										
135	4.87	4.40	4.54	3.97	3.86	3.83	4.31	3.89										
140	5.31	4.74	4.91	4.46	4.32	4.37	4.66	4.27										
145	5.71	5.06	5.29	4.99	4.74	4.97	5.05	4.66										
150	6.13	5.40	5.82	5.59	5.16	5.62	5.55	5.09										
155	6.63	5.80	6.35	6.25	5.69	6.31	6.18	5.63										
160	7.20	6.40	6.92	6.96	6.23	7.03	6.82	6.30										
165	7.75	7.24	7.45	7.72	6.83	7.77	7.36	7.25										
170	8.32	7.86	7.88	8.21	7.45	8.28	7.84	7.80										
175	8.36	8.38	8.24	8.47	7.90	8.54	8.30	8.31										
180	8.34	8.80	8.56	8.75	8.36	8.74	8.60	8.74										

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: