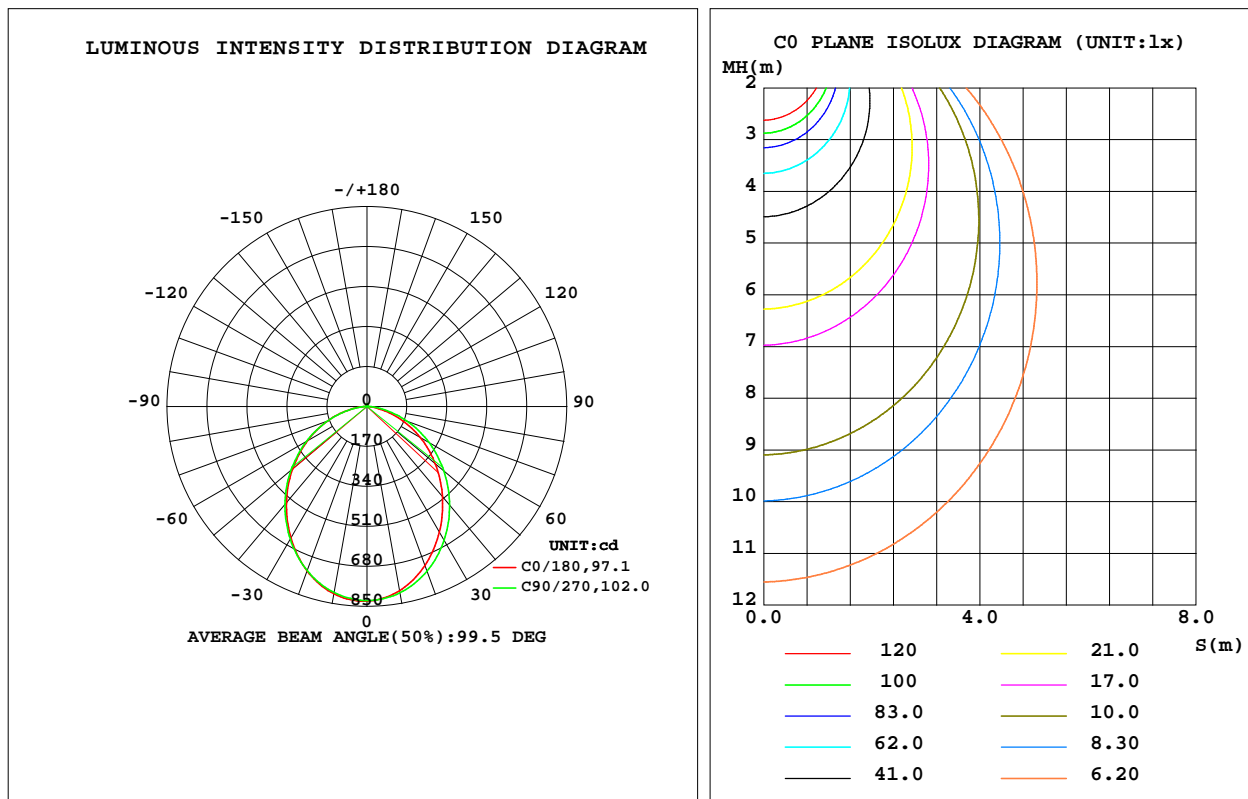


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:1.189A P:28.54W PF:1.000 Freq:0Hz Lamp Flux:2053.48x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F25SW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.95 lm/W			
MODELLS-LE6935FDXSS1200(F)		I _{max} (cd)	827.7	S/MH(C0/180)	1.13
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2053.5	h UP,DN(C0-180)	0.7,48.9
NOMINAL FLUX(lm)	2053.48	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.6,49.9
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:2020-11-09

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:

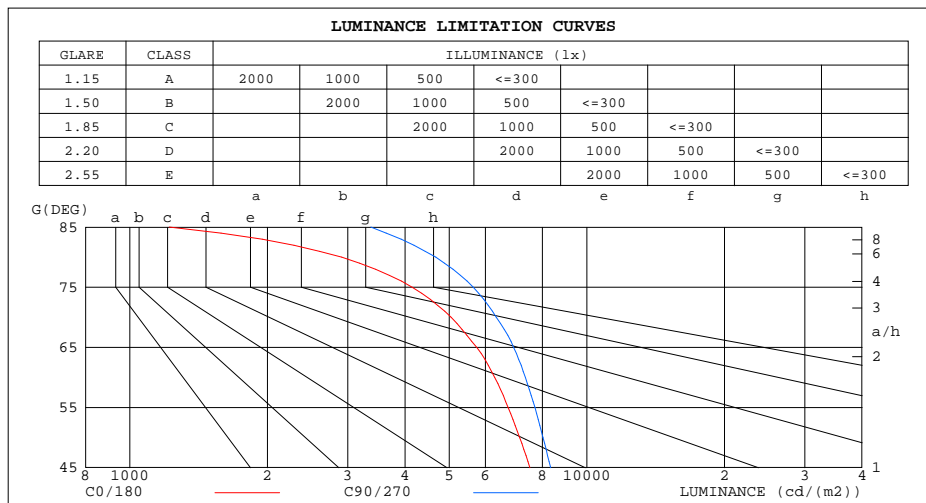
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	795.5	801.0	804.9	805.8	809.1	804.8	803.3	801.2	0- 10	77.76	77.76	3.79,3.79
20	720.1	732.8	746.2	745.3	744.3	739.5	743.1	736.7	10- 20	218.4	296.1	14.4,14.4
30	616.1	634.3	656.4	653.4	646.9	642.7	652.7	642.0	20- 30	319.3	615.4	30,30
40	499.6	519.7	546.7	542.3	533.0	529.2	542.7	529.4	30- 40	367.7	983.1	47.9,47.9
50	379.4	397.5	427.0	422.7	413.0	409.3	423.4	408.5	40- 50	363.1	1346	65.6,65.6
60	260.3	276.2	303.6	298.1	292.4	289.5	297.8	287.1	50- 60	311.7	1658	80.7,80.7
70	142.9	158.6	179.5	178.2	176.1	170.4	176.4	165.8	60- 70	225.7	1884	91.7,91.7
80	41.82	53.03	67.19	67.67	69.04	63.79	65.27	58.19	70- 80	119.0	2003	97.5,97.5
90	1.069	1.355	1.968	2.073	1.499	0.7666	0.4531	0.4557	80- 90	26.09	2029	98.8,98.8
100	1.694	1.704	1.757	1.657	0.9715	1.028	0.9837	1.239	90-100	1.199	2030	98.8,98.8
110	3.035	2.822	2.496	2.272	2.031	2.089	1.899	2.266	100-110	1.933	2032	98.9,98.9
120	4.371	4.104	3.827	3.233	3.142	3.126	3.220	3.399	110-120	2.933	2035	99.1,99.1
130	5.623	5.271	4.981	4.277	4.246	4.245	4.644	4.415	120-130	3.701	2038	99.3,99.3
140	6.759	6.080	6.057	5.511	5.379	5.488	6.045	5.404	130-140	4.074	2042	99.5,99.5
150	7.766	6.747	7.118	6.976	6.399	6.912	7.303	6.423	140-150	3.992	2046	99.7,99.7
160	9.030	7.719	8.619	8.605	7.697	8.628	8.790	8.066	150-160	3.518	2050	99.8,99.8
170	10.45	9.432	9.939	9.812	9.232	10.45	10.10	9.530	160-170	2.576	2053	100,100
180	10.35	10.90	10.98	10.66	10.35	10.97	11.00	10.65	170-180	0.9705	2053	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:2020-11-09

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:1.189A P:28.54W PF:1.000 Freq:0Hz Lamp Flux:2053.48x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F25SW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1219	3370
80	2909	4673
75	4150	5643
70	5045	6340
65	5742	6914
60	6289	7334
55	6729	7697
50	7129	8022
45	7506	8332

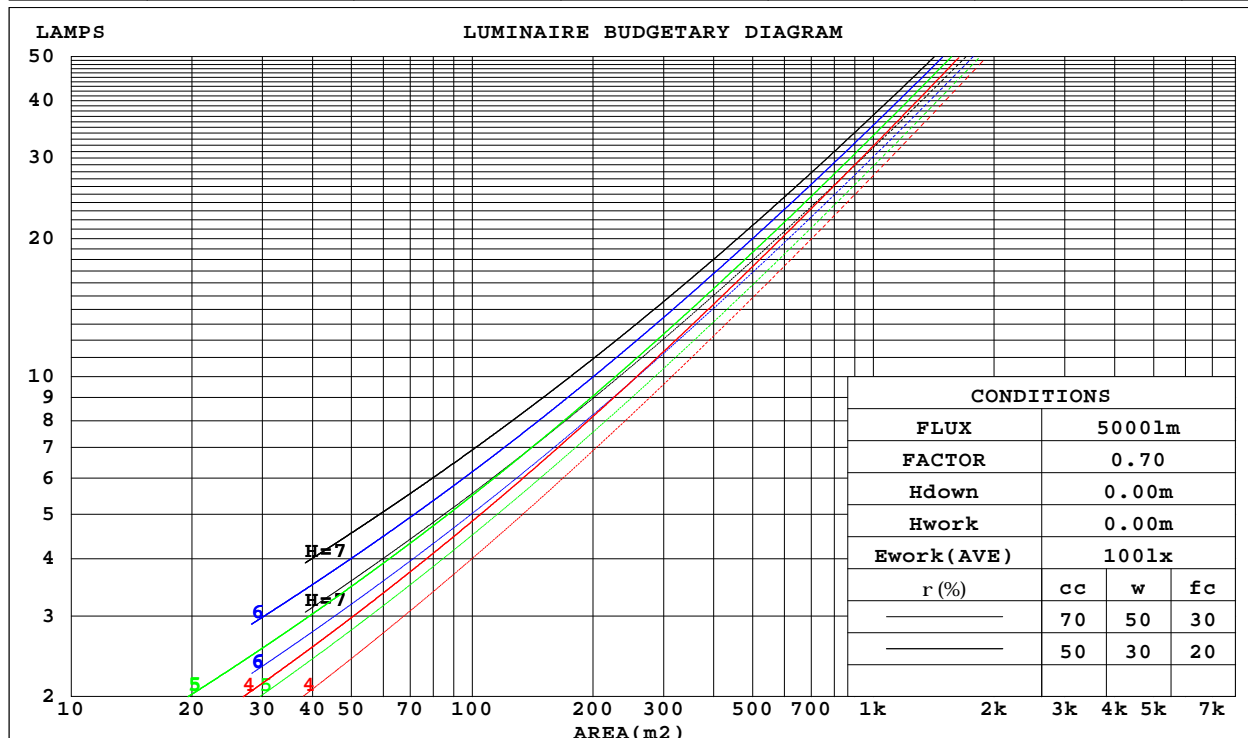
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-09

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:1.189A P:28.54W PF:1.000 Freq:0Hz Lamp Flux:2053.48x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F25SW8D-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:2020-11-09

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:1.189A P:28.54W PF:1.000 Freq:0Hz Lamp Flux:2053.48x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F25SW8D-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	.292	.166	.053	.284	.162	.052	.270	.155	.050	.258	.149	.048	.246	.143	.046	
2.0	.277	.152	.047	.271	.149	.046	.259	.144	.045	.247	.139	.043	.237	.134	.042	
3.0	.258	.137	.041	.253	.135	.041	.242	.131	.040	.232	.127	.039	.223	.123	.038	
4.0	.240	.125	.037	.235	.123	.036	.225	.119	.036	.216	.116	.035	.208	.113	.034	
5.0	.222	.113	.033	.218	.112	.033	.209	.109	.032	.201	.106	.032	.194	.104	.031	
6.0	.207	.104	.030	.203	.102	.029	.195	.100	.029	.188	.098	.029	.181	.096	.028	
7.0	.193	.095	.027	.190	.094	.027	.183	.092	.027	.176	.090	.026	.170	.088	.026	
8.0	.181	.088	.025	.178	.087	.025	.171	.086	.024	.166	.084	.024	.160	.082	.024	
9.0	.170	.082	.023	.167	.081	.023	.161	.080	.023	.156	.078	.022	.151	.077	.022	
10.0	.160	.077	.021	.157	.076	.021	.152	.075	.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	.166	.145	.161	.142	.125	.110	.098	.086	.063	.057	.050	.020	.018	.016	
2.0	.180	.141	.109	.154	.122	.094	.105	.084	.066	.061	.049	.039	.020	.016	.013	
3.0	.172	.124	.085	.147	.107	.074	.101	.074	.052	.058	.043	.031	.019	.014	.010	
4.0	.164	.110	.069	.141	.095	.060	.097	.066	.042	.056	.039	.025	.018	.013	.008	
5.0	.157	.100	.058	.134	.086	.050	.093	.060	.036	.054	.035	.021	.017	.012	.007	
6.0	.150	.091	.050	.129	.079	.043	.089	.055	.031	.051	.033	.018	.017	.011	.006	
7.0	.143	.084	.044	.123	.073	.038	.085	.051	.027	.049	.030	.016	.016	.010	.005	
8.0	.136	.079	.039	.117	.068	.034	.081	.048	.024	.047	.028	.014	.015	.009	.005	
9.0	.131	.074	.035	.112	.064	.031	.078	.045	.022	.045	.027	.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:2020-11-09

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:1.189A P:28.54W PF:1.000 Freq:0Hz Lamp Flux:2053.48x1 lm											
NAME: LLS-LE6935FDXSS1200(F)					TYPE:			WEIGHT:			
SPEC.:LLS-LE6935FDXSS1200(F)-F25SW8D-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	18.6	17.5	18.8	19.1	
	3H	17.8	19.1	18.1	19.4	19.6	18.5	19.9	18.9	20.1	
	4H	18.2	19.4	18.5	19.7	20.0	19.1	20.3	19.4	20.6	
	6H	18.3	19.5	18.7	19.8	20.1	19.4	20.6	19.7	20.9	
	8H	18.4	19.5	18.7	19.8	20.1	19.5	20.6	19.8	20.9	
	12H	18.3	19.4	18.7	19.7	20.1	19.5	20.6	19.8	20.9	
4H	2H	17.2	18.5	17.5	18.7	19.0	17.6	18.9	18.0	19.2	
	3H	18.5	19.7	18.9	20.0	20.3	19.2	20.3	19.5	20.6	
	4H	19.0	20.0	19.4	20.4	20.7	19.8	20.8	20.2	21.1	
	6H	19.3	20.2	19.7	20.6	20.9	20.2	21.1	20.6	21.5	
	8H	19.3	20.2	19.8	20.5	21.0	20.3	21.2	20.8	21.6	
	12H	19.3	20.1	19.8	20.5	20.9	20.4	21.2	20.8	21.6	
8H	4H	19.2	20.1	19.7	20.5	20.9	19.9	20.8	20.4	21.2	
	6H	19.6	20.3	20.1	20.7	21.2	20.5	21.2	20.9	21.6	
	8H	19.7	20.3	20.1	20.7	21.2	20.6	21.2	21.1	21.7	
	12H	19.7	20.2	20.2	20.7	21.2	20.7	21.3	21.2	21.7	
12H	4H	19.2	20.0	19.7	20.4	20.8	19.9	20.7	20.4	21.1	
	6H	19.6	20.2	20.1	20.7	21.2	20.5	21.1	20.9	21.5	
	8H	19.7	20.2	20.2	20.7	21.2	20.7	21.2	21.2	21.7	
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 / - 0.2					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					

CIE Pub.117, 2053 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.5)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-09

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:1.189A P:28.54W PF:1.000 Freq:0Hz Lamp Flux:2053.48x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F25SW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

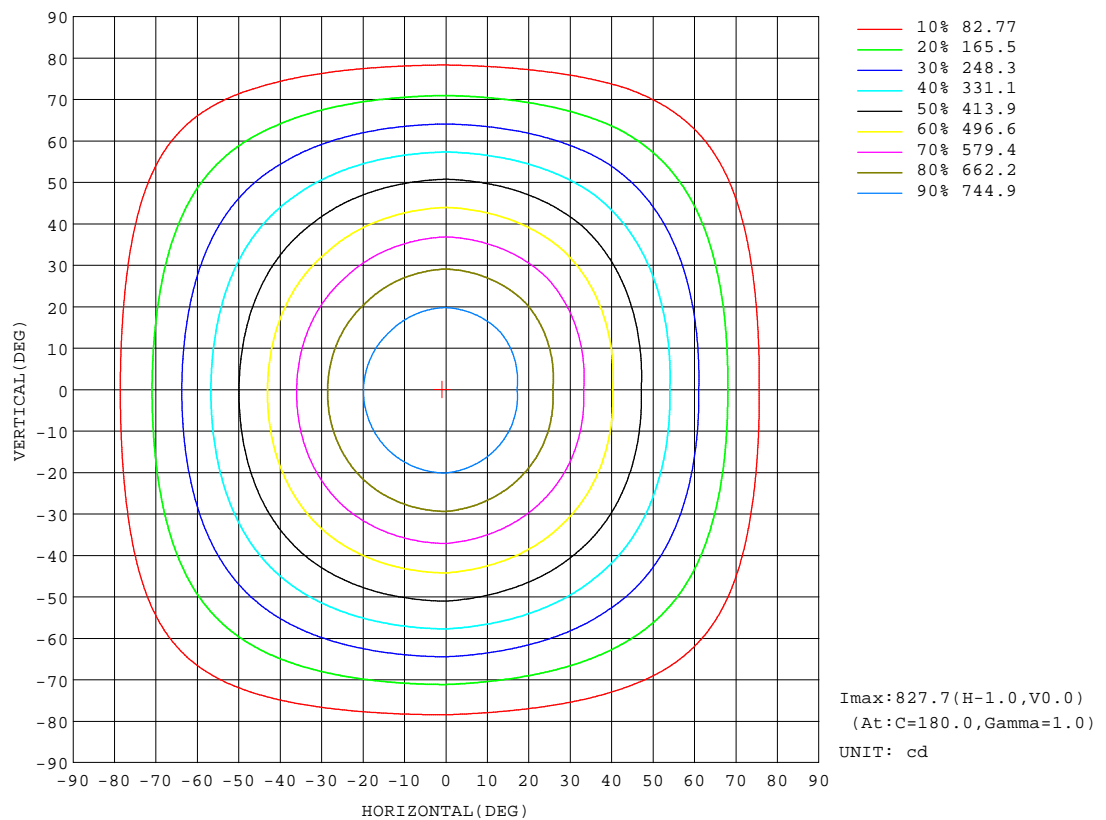
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	48	41	59	48	41	57	47	41	35
0.80	69	58	51	68	58	51	66	57	50	44
1.00	78	67	60	76	66	60	74	68	59	52
1.25	85	75	68	83	74	67	80	72	66	59
1.50	89	80	73	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	96	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	102	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:2020-11-09

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:1.189A P:28.54W PF:1.000 Freq:0Hz Lamp Flux:2053.48x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F25SW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



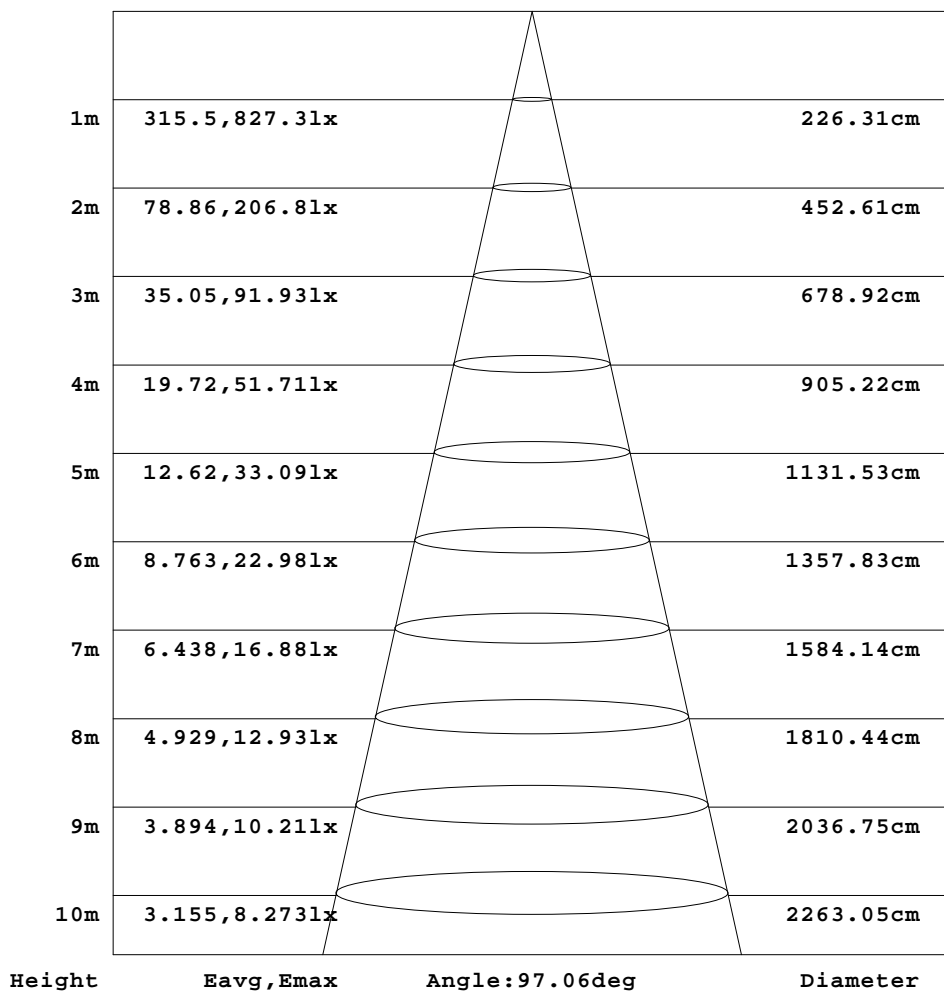
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-09

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:1.189A P:28.54W PF:1.000 Freq:0Hz Lamp Flux:2053.48x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F25SW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

Flux out:1311 lm



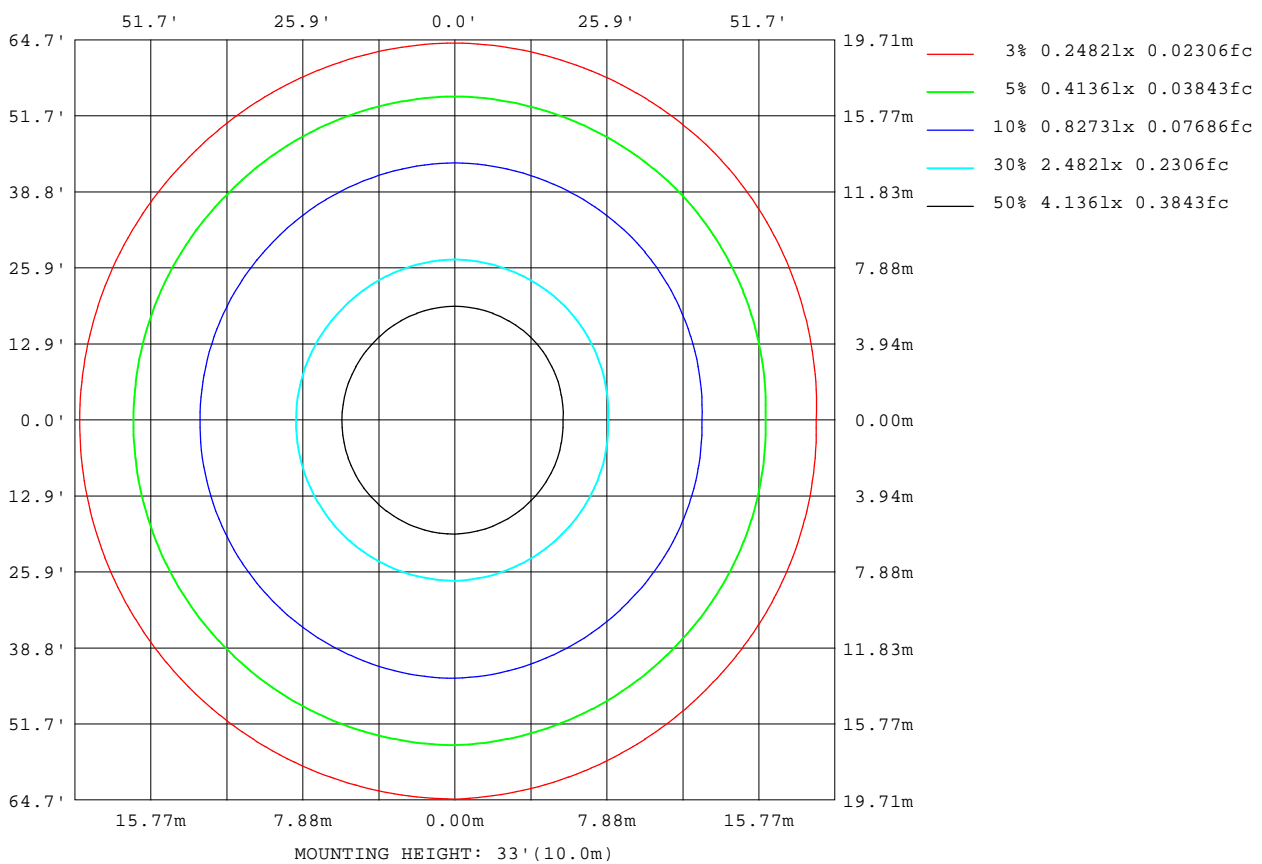
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-09

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

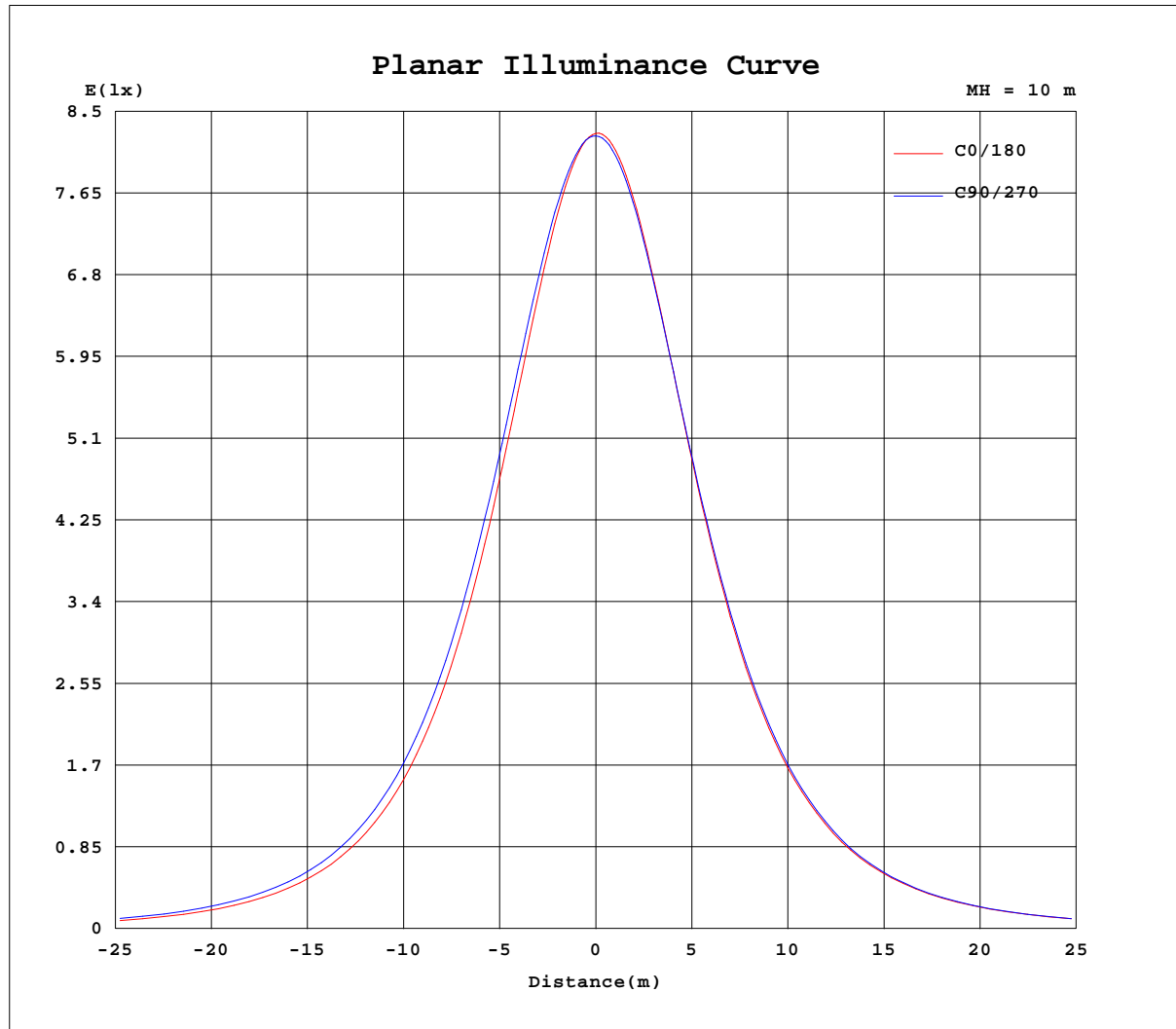
Test:U:24.00V I:1.189A P:28.54W PF:1.000 Freq:0Hz Lamp Flux:2053.48x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F25SW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-11-09

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: 2020-11-09

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:1.189A P:28.54W PF:1.000 Freq:0Hz Lamp Flux:2053.48x1 lm		
NAME: LLS-LE6935FDXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FDXSS1200(F)-F25SW8D-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	827	827	825	825	827	827	825	825									
5	818	820	820	821	824	821	819	819									
10	796	801	805	806	809	805	803	801									
15	762	772	780	780	782	777	777	773									
20	720	733	746	745	744	740	743	737									
25	671	686	704	702	699	694	701	692									
30	616	634	656	653	647	643	653	642									
35	559	578	603	599	591	587	599	587									
40	500	520	547	542	533	529	543	529									
45	439	460	488	482	474	469	484	470									
50	379	397	427	423	413	409	423	409									
55	320	336	366	359	351	349	359	348									
60	260	276	304	298	292	289	298	287									
65	201	217	242	238	234	230	237	226									
70	143	159	180	178	176	170	176	166									
75	88.9	103	121	121	120	115	118	109									
80	41.8	53.0	67.2	67.7	69.0	63.8	65.3	58.2									
85	8.80	15.3	24.3	24.9	26.6	22.4	23.2	18.4									
90	1.07	1.36	1.97	2.07	1.50	0.77	0.45	0.46									
95	1.24	1.40	1.76	1.56	0.54	0.56	0.64	0.69									
100	1.69	1.70	1.76	1.66	0.97	1.03	0.98	1.24									
105	2.32	2.18	1.91	1.88	1.48	1.56	1.38	1.77									
110	3.04	2.82	2.50	2.27	2.03	2.09	1.90	2.27									
115	3.71	3.46	3.18	2.75	2.59	2.63	2.54	2.84									
120	4.37	4.10	3.83	3.23	3.14	3.13	3.22	3.40									
125	5.02	4.73	4.43	3.73	3.68	3.67	3.93	3.90									
130	5.62	5.27	4.98	4.28	4.25	4.25	4.64	4.41									
135	6.20	5.69	5.55	4.85	4.81	4.85	5.36	4.90									
140	6.76	6.08	6.06	5.51	5.38	5.49	6.05	5.40									
145	7.23	6.44	6.47	6.20	5.91	6.16	6.63	5.86									
150	7.77	6.75	7.12	6.98	6.40	6.91	7.30	6.42									
155	8.37	7.13	7.83	7.74	7.02	7.76	8.05	7.18									
160	9.03	7.72	8.62	8.61	7.70	8.63	8.79	8.07									
165	9.72	8.53	9.36	9.43	8.42	9.68	9.49	8.84									
170	10.5	9.43	9.94	9.81	9.23	10.5	10.1	9.53									
175	10.2	10.2	10.5	10.2	9.77	10.7	10.6	10.2									
180	10.4	10.9	11.0	10.7	10.3	11.0	11.0	10.7									

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-09

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: