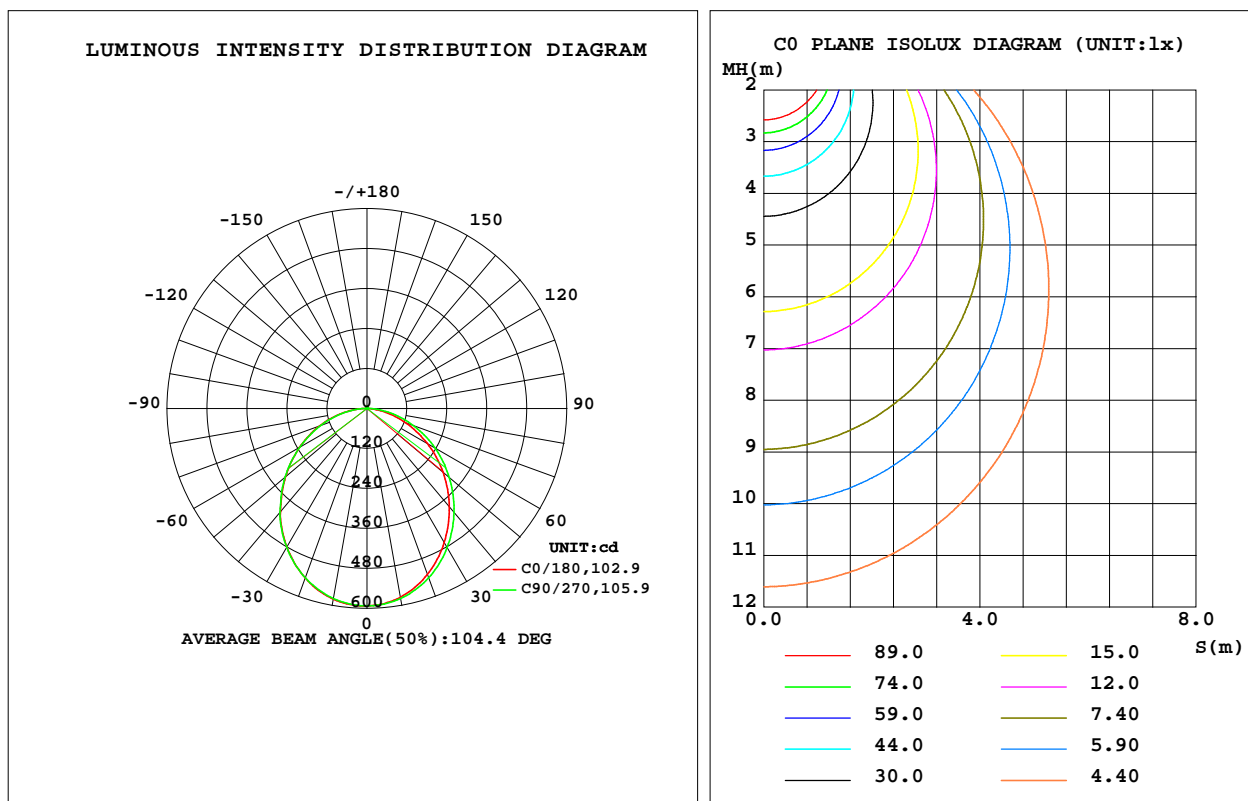


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.9318A P:22.36W PF:1.000 Freq:0Hz Lamp Flux:1586.99x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.97 lm/W			
MODELLS-LE6935FPXSS1200(F)		Imax(cd)	593.6	S/MH(C0/180)	1.17
NOMINAL POWER(W)	22	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1587.0	h UP,DN(C0-180)	0.7,49.0
NOMINAL FLUX(lm)	1586.99	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.5,49.8
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

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:

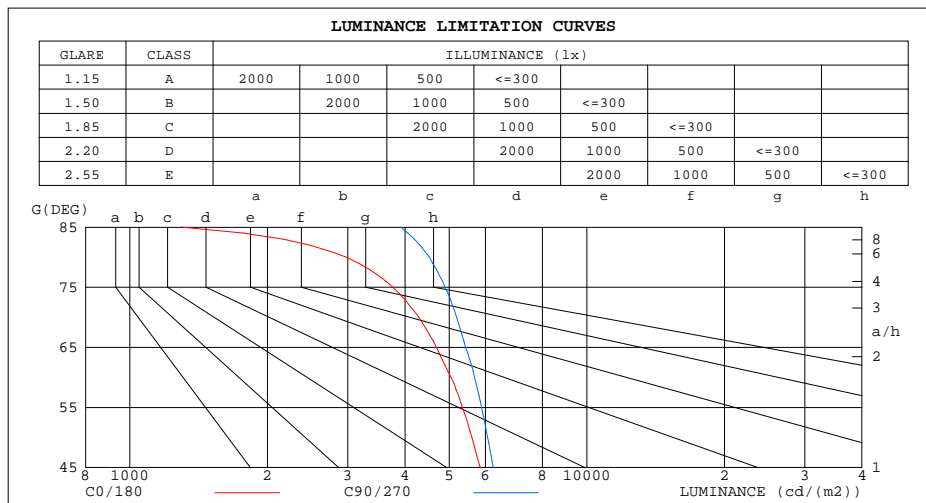
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	575.1	578.6	579.5	581.0	581.0	580.8	579.2	576.8	0- 10	55.93	55.93	3.52,3.52
20	530.3	537.7	541.0	543.0	541.7	541.7	541.0	534.7	10- 20	158.4	214.3	13.5,13.5
30	464.3	475.7	481.5	484.3	480.6	481.6	481.7	472.0	20- 30	235.1	449.4	28.3,28.3
40	384.7	396.8	406.7	409.0	404.7	406.9	406.4	394.4	30- 40	275.8	725.3	45.7,45.7
50	298.3	310.8	322.9	324.4	319.7	323.4	320.9	309.0	40- 50	276.9	1002	63.2,63.2
60	209.0	222.9	235.3	238.4	234.1	237.1	233.2	220.9	50- 60	243.8	1246	78.5,78.5
70	121.4	137.7	147.0	154.1	149.2	151.0	146.2	134.0	60- 70	183.2	1429	90.1,90.1
80	42.80	58.31	65.07	75.00	69.44	72.80	64.92	55.98	70- 80	107.7	1537	96.8,96.8
90	1.002	1.516	1.783	3.398	3.422	2.190	0.5655	0.4010	80- 90	30.93	1568	98.8,98.8
100	1.555	1.791	1.617	1.623	0.8497	0.9200	0.9969	1.181	90-100	1.223	1569	98.9,98.9
110	2.471	2.359	2.008	1.912	1.632	1.568	1.952	1.989	100-110	1.716	1571	99,99
120	3.431	3.235	2.997	2.574	2.425	2.311	2.873	2.665	110-120	2.380	1573	99.1,99.1
130	4.347	3.923	3.799	3.207	3.174	3.006	3.667	3.385	120-130	2.859	1576	99.3,99.3
140	5.143	4.522	4.513	3.915	3.908	3.800	4.310	4.128	130-140	3.032	1579	99.5,99.5
150	5.783	5.063	5.275	4.705	4.517	4.721	5.024	4.869	140-150	2.896	1582	99.7,99.7
160	6.699	5.940	6.184	5.619	5.264	5.690	6.092	5.923	150-160	2.509	1585	99.8,99.8
170	7.334	6.867	6.919	6.722	6.138	6.825	6.947	6.919	160-170	1.797	1586	100,100
180	7.160	7.695	7.568	7.695	7.187	7.695	7.601	7.695	170-180	0.6767	1587	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:0.9318A P:22.36W PF:1.000 Freq:0Hz Lamp Flux:1586.99x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1293	3922
80	2977	4526
75	3766	4900
70	4287	5192
65	4687	5429
60	5048	5684
55	5344	5886
50	5605	6068
45	5845	6246

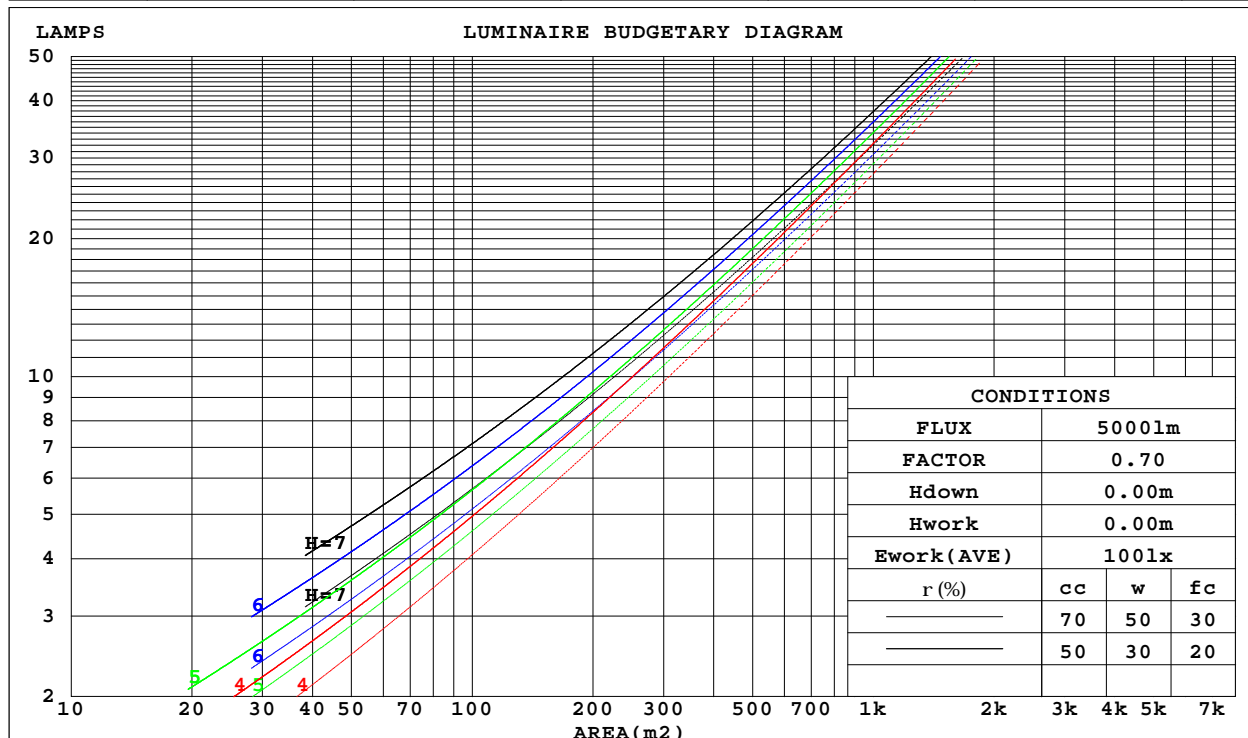
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-11-05

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:0.9318A P:22.36W PF:1.000 Freq:0Hz Lamp Flux:1586.99x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(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:0.9318A P:22.36W PF:1.000 Freq:0Hz Lamp Flux:1586.99x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(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	.306	.174	.055	.299	.170	.054	.285	.163	.052	.272	.157	.050	.260	.151	.049	
2.0	.288	.158	.048	.281	.155	.048	.269	.149	.046	.257	.144	.045	.247	.140	.044	
3.0	.266	.142	.042	.260	.139	.042	.249	.135	.041	.239	.131	.040	.230	.127	.039	
4.0	.246	.128	.038	.241	.126	.037	.231	.122	.037	.222	.119	.036	.213	.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	.097	.029	
7.0	.196	.097	.028	.193	.096	.027	.186	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.183	.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	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.189	.165	.144	.162	.142	.124	.111	.098	.086	.064	.057	.050	.020	.018	.016	
2.0	.181	.141	.108	.155	.122	.093	.106	.084	.065	.061	.049	.038	.020	.016	.012	
3.0	.173	.124	.084	.148	.107	.073	.102	.074	.051	.059	.043	.030	.019	.014	.010	
4.0	.165	.110	.068	.142	.095	.059	.098	.066	.042	.056	.039	.025	.018	.013	.008	
5.0	.158	.100	.057	.136	.086	.050	.093	.060	.035	.054	.035	.021	.017	.012	.007	
6.0	.151	.092	.049	.130	.079	.043	.089	.055	.030	.052	.033	.018	.017	.011	.006	
7.0	.144	.085	.043	.124	.073	.037	.086	.051	.027	.050	.030	.016	.016	.010	.005	
8.0	.138	.079	.038	.118	.068	.034	.082	.048	.024	.048	.028	.014	.015	.009	.005	
9.0	.132	.074	.035	.113	.064	.030	.078	.045	.022	.046	.027	.013	.015	.009	.004	
10.0	.126	.070	.032	.109	.060	.028	.075	.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:0.9318A P:22.36W PF:1.000 Freq:0Hz Lamp Flux:1586.99x1 lm											
NAME: LLS-LE6935FPXSS1200(F)					TYPE:			WEIGHT:			
SPEC.:LLS-LE6935FPXSS1200(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	16.8	18.3	17.1	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	20.2	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	21.7
	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	19.3	17.7	19.0	18.1	19.3	19.6
	3H	18.9	20.1	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	20.4	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	20.0	20.8	20.5	21.2	21.7	21.1	21.9	21.6	22.3	22.7
8H	4H	19.8	20.7	20.3	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	20.5	21.2	21.0	21.6	22.1	21.4	22.1	21.9	22.5	23.0
	12H	20.6	21.1	21.1	21.6	22.1	21.7	22.2	22.1	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	20.4	21.1	20.9	21.5	22.0	21.2	21.8	21.7	22.3	22.7
	8H	20.6	21.2	21.1	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 / - 0.4				+ 0.2 / - 0.3						

CIE Pub.117, 1587 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.6)

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:0.9318A P:22.36W PF:1.000 Freq:0Hz Lamp Flux:1586.99x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

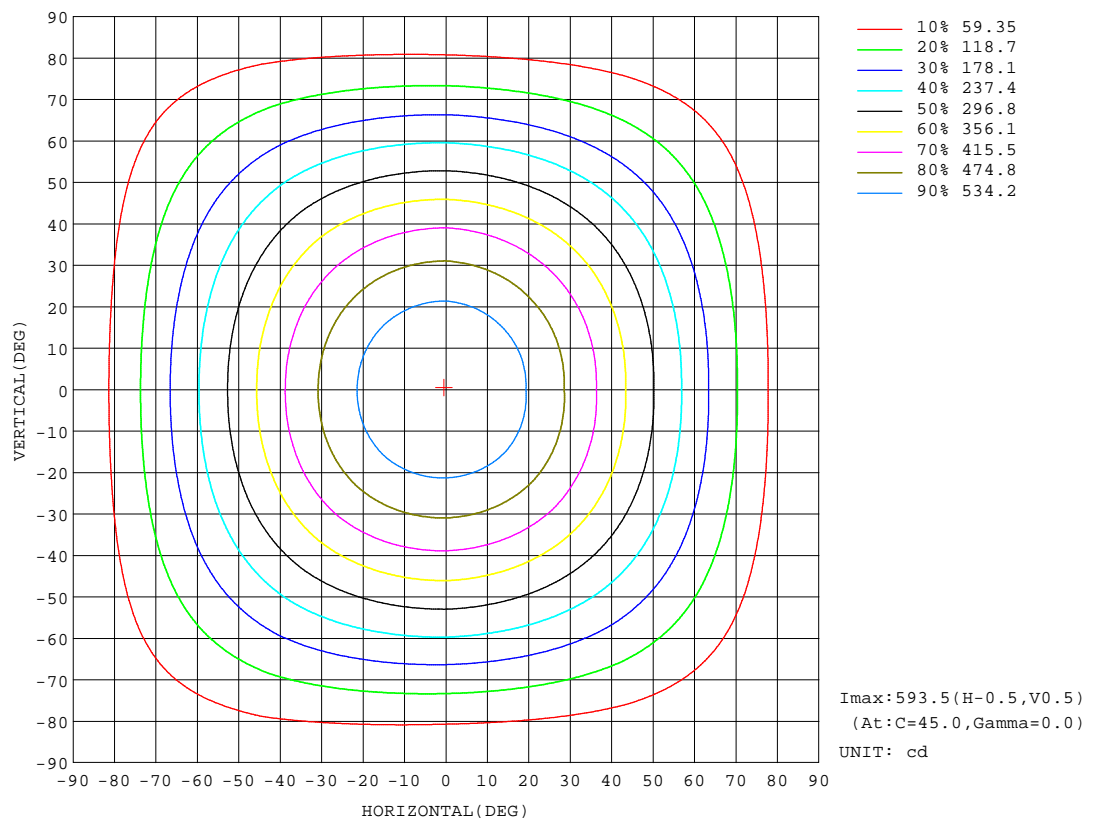
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	40	33
0.80	68	57	49	67	56	49	65	55	49	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	66	79	71	65	57
1.50	88	79	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	92	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:0.9318A P:22.36W PF:1.000 Freq:0Hz Lamp Flux:1586.99x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:

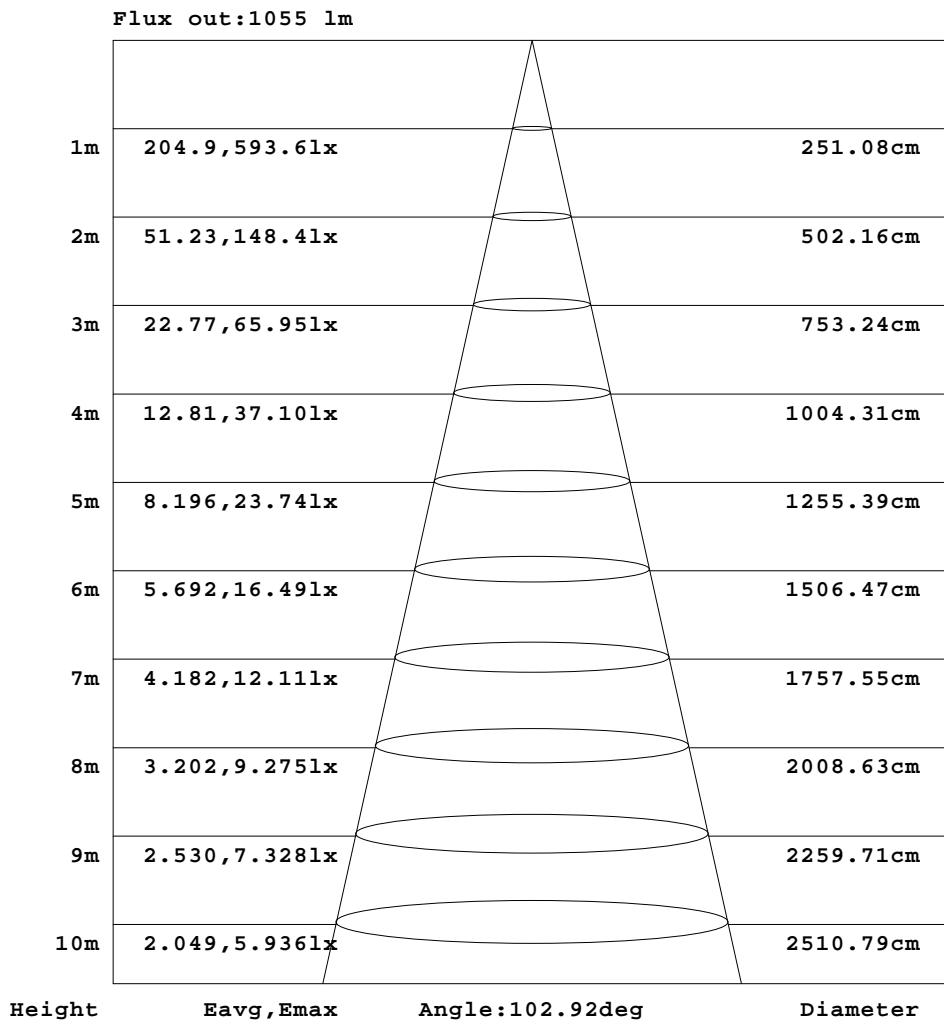


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-11-05

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:24.00V I:0.9318A P:22.36W PF:1.000 Freq:0Hz Lamp Flux:1586.99x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



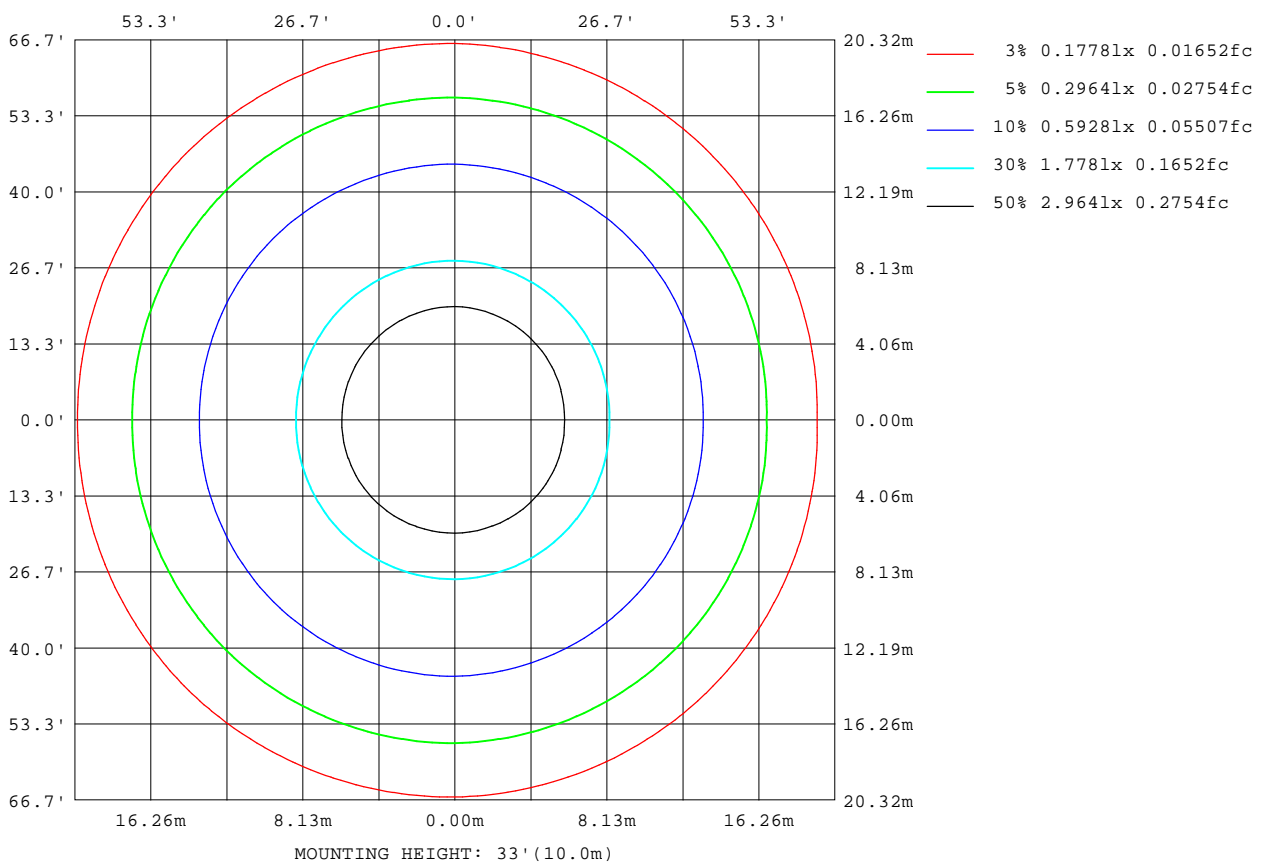
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

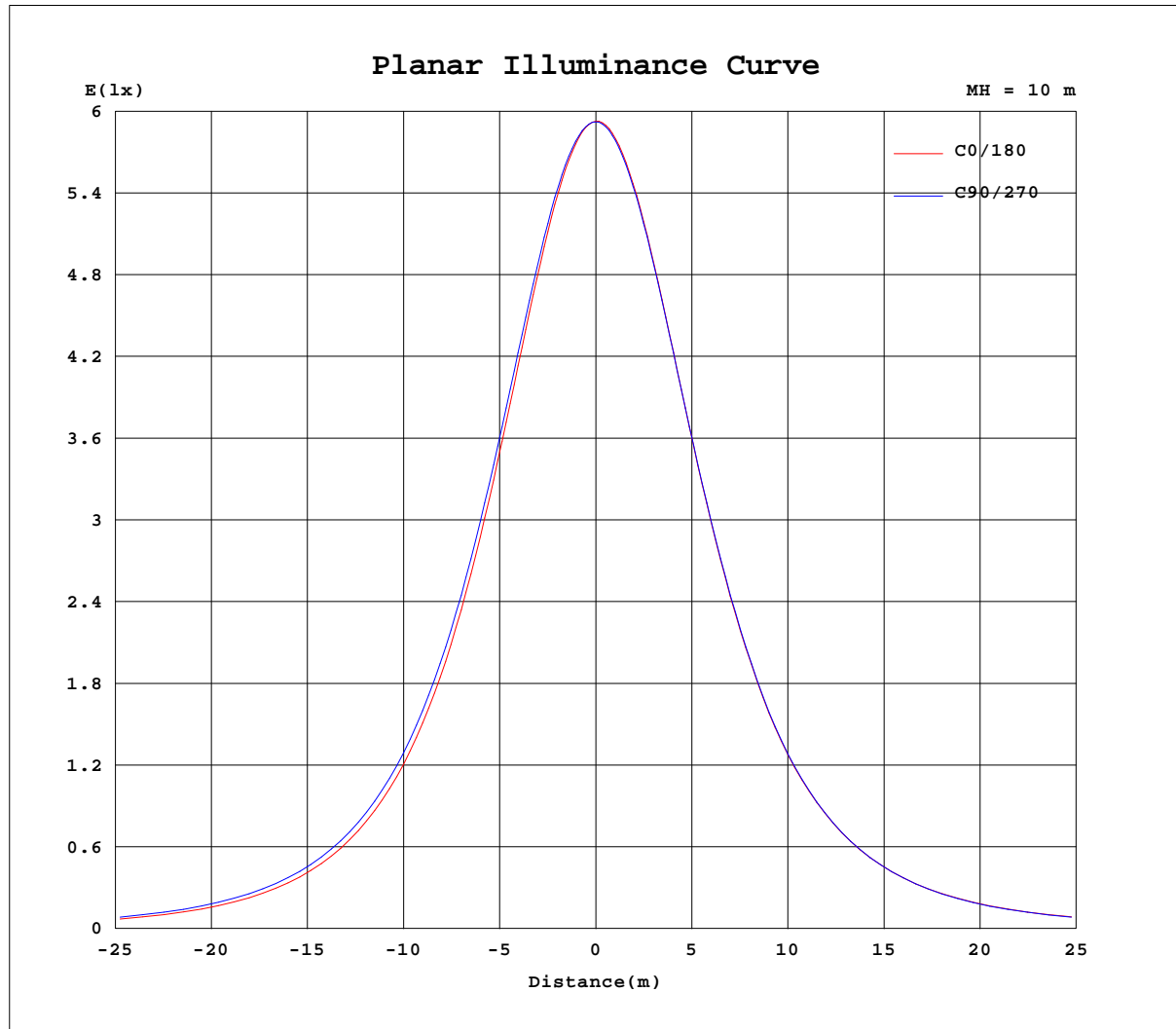
Test:U:24.00V I:0.9318A P:22.36W PF:1.000 Freq:0Hz Lamp Flux:1586.99x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(F)-F20WW8D-DC	DIM.: 1200*69*35mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*69mm	Shielding Angle:



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:

Planar Illuminance Curve



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

deg Range: 0 - 180DEG
deg 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:0.9318A P:22.36W PF:1.000 Freq:0Hz Lamp Flux:1586.99x1 lm		
NAME: LLS-LE6935FPXSS1200(F)	TYPE:	WEIGHT:
SPEC.:LLS-LE6935FPXSS1200(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	593	594	592	593	593	594	592	593										
5	588	590	589	590	591	590	589	588										
10	575	579	579	581	581	581	579	577										
15	556	561	563	565	565	564	563	559										
20	530	538	541	543	542	542	541	535										
25	500	509	514	516	513	514	514	506										
30	464	476	482	484	481	482	482	472										
35	426	439	446	449	444	446	446	435										
40	385	397	407	409	405	407	406	394										
45	342	354	366	366	362	366	363	352										
50	298	311	323	324	320	323	321	309										
55	254	267	280	281	277	281	277	265										
60	209	223	235	238	234	237	233	221										
65	164	180	190	196	191	193	189	176										
70	121	138	147	154	149	151	146	134										
75	80.7	96.9	105	114	108	111	105	93.6										
80	42.8	58.3	65.1	75.0	69.4	72.8	64.9	56.0										
85	9.33	21.4	28.3	37.8	33.4	36.2	28.6	19.4										
90	1.00	1.52	1.78	3.40	3.42	2.19	0.57	0.40										
95	1.23	1.63	1.67	1.50	0.48	0.52	0.61	0.73										
100	1.55	1.79	1.62	1.62	0.85	0.92	1.00	1.18										
105	1.94	1.95	1.67	1.73	1.24	1.25	1.48	1.63										
110	2.47	2.36	2.01	1.91	1.63	1.57	1.95	1.99										
115	2.96	2.82	2.53	2.25	2.01	1.92	2.44	2.30										
120	3.43	3.23	3.00	2.57	2.42	2.31	2.87	2.66										
125	3.91	3.60	3.40	2.89	2.81	2.66	3.28	3.02										
130	4.35	3.92	3.80	3.21	3.17	3.01	3.67	3.39										
135	4.77	4.22	4.18	3.55	3.55	3.38	4.00	3.75										
140	5.14	4.52	4.51	3.92	3.91	3.80	4.31	4.13										
145	5.44	4.78	4.82	4.30	4.24	4.25	4.62	4.47										
150	5.78	5.06	5.28	4.70	4.52	4.72	5.02	4.87										
155	6.20	5.44	5.72	5.15	4.88	5.22	5.57	5.38										
160	6.70	5.94	6.18	5.62	5.26	5.69	6.09	5.92										
165	7.13	6.38	6.58	6.13	5.69	6.22	6.54	6.48										
170	7.33	6.87	6.92	6.72	6.14	6.83	6.95	6.92										
175	6.97	7.31	7.28	7.35	6.67	7.36	7.35	7.33										
180	7.16	7.69	7.57	7.69	7.19	7.69	7.60	7.69										

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: