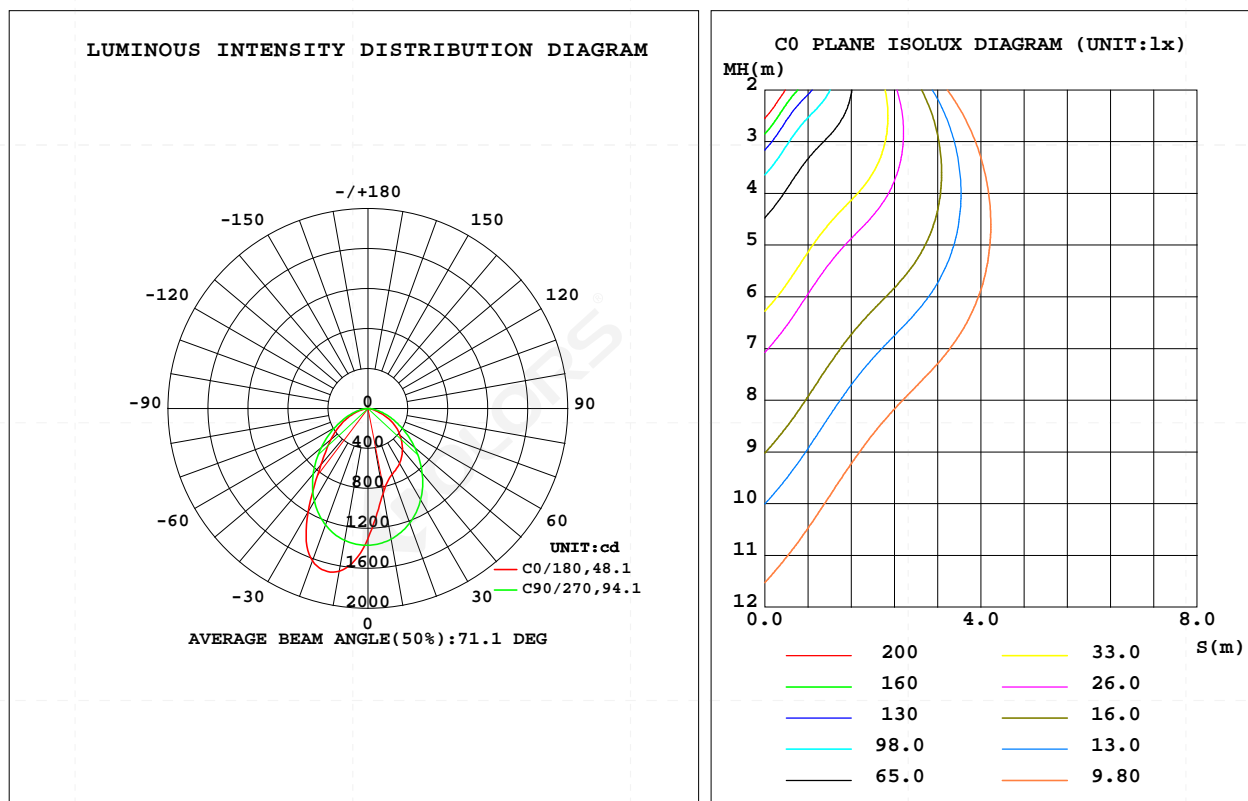


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.9655A P:23.17W PF:1.000 Freq:0Hz Lamp Flux:2816.98x1 lm		
NAME: LLS-LE25LAXBS1200-F20NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.56 lm/W			
MODEL		I _{max} (cd)	1681	S/MH(C0/180)	0.60
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2817.0	h UP,DN(C0-180)	0.0,48.0
NOMINAL FLUX(lm)	2816.98	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,52.0
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	24	h down(%)	100.0	CIBSE SHR MAX	1.05



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2022-07-18

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:

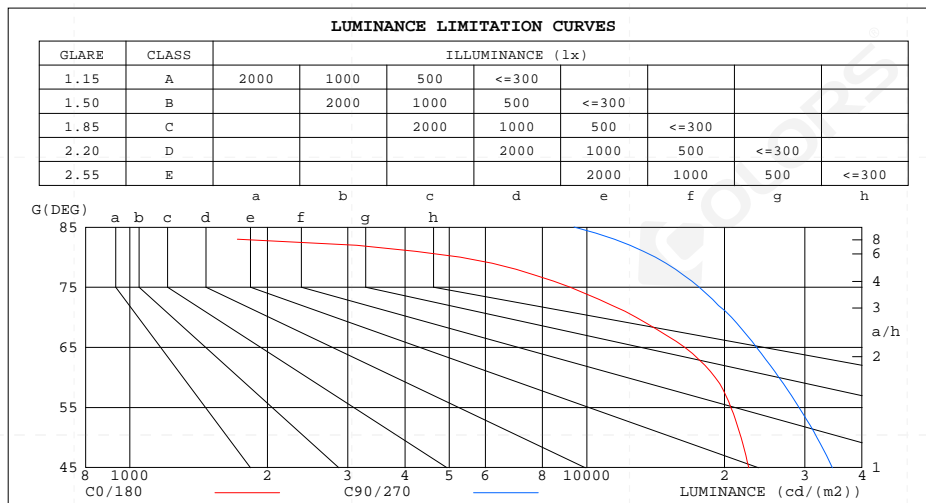
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	867.8	996.8	1328	1588	1652	1593	1341	1008	0- 10	126.0	126.0	4.47,4.47
20	704.2	762.3	1221	1577	1623	1574	1241	765.3	10- 20	351.0	477.0	16.9,16.9
30	635.0	638.4	1055	1377	1200	1356	1074	632.3	20- 30	505.3	982.3	34.9,34.9
40	538.0	534.7	845.6	1038	732.8	994.0	855.4	525.9	30- 40	548.0	1530	54.3,54.3
50	419.3	421.5	614.9	689.6	486.6	643.7	614.0	411.7	40- 50	497.3	2028	72,72
60	286.5	297.3	394.6	422.3	306.5	390.3	387.0	292.1	50- 60	393.2	2421	85.9,85.9
70	131.6	169.0	212.6	218.0	154.4	201.2	204.0	166.2	60- 70	259.2	2680	95.1,95.1
80	27.54	44.97	73.60	61.49	42.41	54.47	69.59	44.83	70- 80	119.2	2799	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	17.77	2817	100,100
100	0	0	0	0	0	0	0	0	90-100	0	2817	100,100
110	0	0	0	0	0	0	0	0	100-110	0	2817	100,100
120	0	0	0	0	0	0	0	0	110-120	0	2817	100,100
130	0	0	0	0	0	0	0	0	120-130	0	2817	100,100
140	0	0	0	0	0	0	0	0	130-140	0	2817	100,100
150	0	0	0	0	0	0	0	0	140-150	0	2817	100,100
160	0	0	0	0	0	0	0	0	150-160	0	2817	100,100
170	0	0	0	0	0	0	0	0	160-170	0	2817	100,100
180	0	0	0	0	0	0	0	0	170-180	0	2817	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:2022-07-18

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:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.9655A P:23.17W PF:1.000 Freq:0Hz Lamp Flux:2816.98x1 lm		
NAME: LLS-LE25LAXBS1200-F20NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	519	9381
80	5286	14129
75	9194	17619
70	12825	20717
65	16373	23509
60	19099	26307
55	20675	29156
50	21744	31887
45	22621	34468

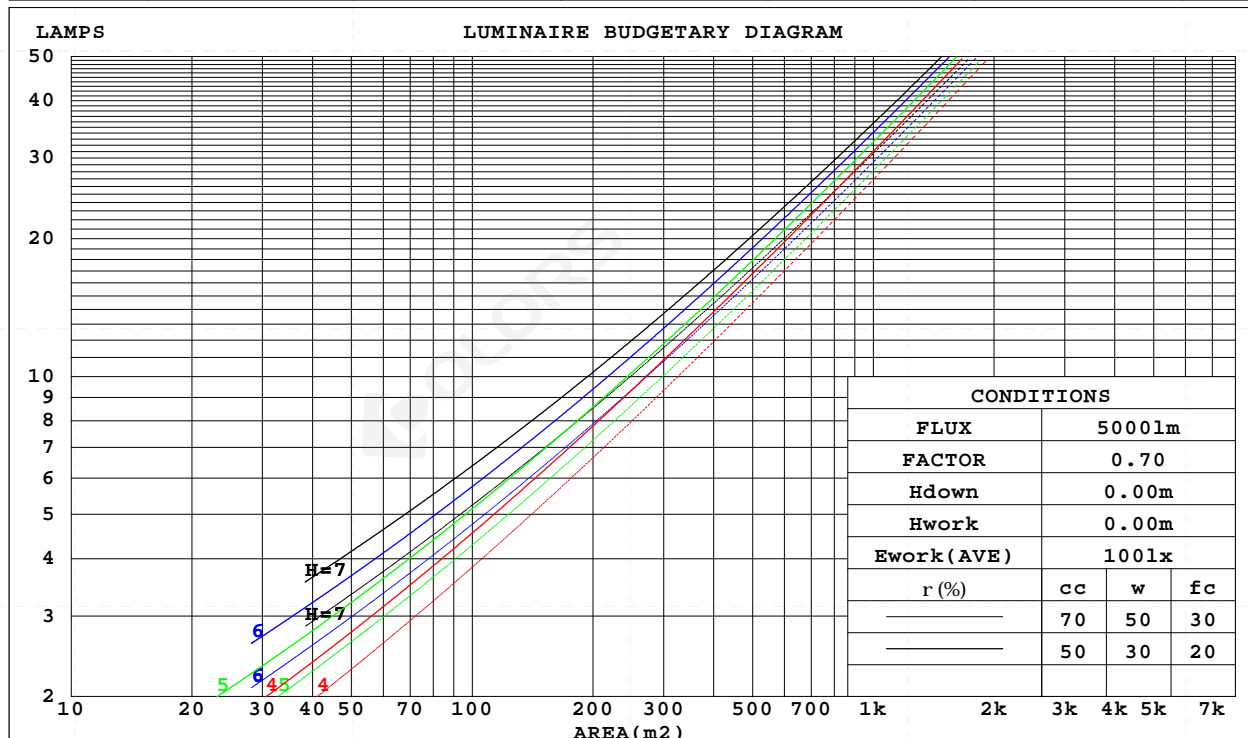
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2022-07-18

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.9655A P:23.17W PF:1.000 Freq:0Hz Lamp Flux:2816.98x1 lm		
NAME: LLS-LE25LAXBS1200-F20NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25mm	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:2022-07-18

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:0.9655A P:23.17W PF:1.000 Freq:0Hz Lamp Flux:2816.98x1 lm		
NAME: LLS-LE25LAXBS1200-F20NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25mm	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	.268	.153	.048	.261	.149	.047	.248	.142	.045	.236	.136	.044	.225	.130	.042	
2.0	.258	.142	.043	.252	.139	.043	.241	.134	.042	.230	.129	.040	.221	.125	.039	
3.0	.243	.129	.039	.238	.127	.038	.228	.123	.037	.218	.120	.037	.210	.116	.036	
4.0	.227	.118	.035	.222	.116	.034	.213	.113	.034	.205	.110	.033	.197	.107	.033	
5.0	.212	.108	.031	.208	.107	.031	.200	.104	.031	.193	.102	.030	.186	.099	.030	
6.0	.198	.099	.028	.194	.098	.028	.187	.096	.028	.181	.094	.028	.175	.092	.027	
7.0	.186	.092	.026	.182	.091	.026	.176	.089	.026	.170	.087	.025	.165	.086	.025	
8.0	.174	.085	.024	.171	.084	.024	.166	.083	.024	.161	.081	.023	.156	.080	.023	
9.0	.164	.079	.022	.162	.079	.022	.157	.077	.022	.152	.076	.022	.147	.075	.022	
10.0	.155	.074	.021	.153	.074	.021	.148	.073	.020	.144	.071	.020	.140	.070	.020	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.177	.157	.138	.152	.134	.118	.104	.092	.082	.060	.053	.048	.019	.017	.015		
2.0	.168	.132	.102	.144	.114	.088	.098	.079	.062	.057	.046	.036	.018	.015	.012		
3.0	.159	.114	.078	.137	.098	.068	.094	.068	.048	.054	.040	.028	.017	.013	.009		
4.0	.151	.100	.062	.130	.087	.054	.089	.061	.038	.052	.035	.022	.017	.012	.007		
5.0	.144	.090	.050	.124	.078	.043	.085	.054	.031	.049	.032	.018	.016	.010	.006		
6.0	.137	.081	.041	.118	.070	.036	.081	.049	.025	.047	.029	.015	.015	.009	.005		
7.0	.130	.074	.035	.112	.064	.031	.078	.045	.022	.045	.027	.013	.015	.009	.004		
8.0	.124	.068	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004		
9.0	.119	.064	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003		
10.0	.113	.059	.023	.098	.051	.020	.068	.036	.014	.039	.021	.009	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2022-07-18

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:0.9655A P:23.17W PF:1.000 Freq:0Hz Lamp Flux:2816.98x1 lm											
NAME: LLS-LE25LAXBS1200-F20NW8X-DC					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: COLORS					SUR.:1200*25mm			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	18.5	19.9	18.8	20.1	20.3	20.1	21.5	20.3	21.7	21.9	
	3H	19.5	20.8	19.8	21.0	21.3	21.3	22.6	21.6	22.8	
	4H	19.8	21.0	20.1	21.2	21.5	21.7	23.0	22.0	23.2	
	6H	19.8	21.0	20.1	21.2	21.5	22.0	23.1	22.3	23.4	
	8H	19.8	20.9	20.1	21.2	21.4	22.0	23.1	22.4	23.4	
	12H	19.7	20.8	20.1	21.1	21.4	22.0	23.1	22.4	23.4	
4H	2H	19.1	20.4	19.4	20.6	20.9	20.4	21.6	20.7	21.9	
	3H	20.3	21.4	20.6	21.7	22.0	21.8	22.9	22.1	23.1	
	4H	20.6	21.6	21.0	21.9	22.2	22.3	23.3	22.7	23.6	
	6H	20.7	21.6	21.1	21.9	22.3	22.7	23.5	23.1	23.9	
	8H	20.7	21.5	21.1	21.9	22.2	22.8	23.5	23.2	23.9	
	12H	20.7	21.4	21.1	21.8	22.2	22.8	23.5	23.2	23.9	
8H	4H	20.8	21.6	21.2	22.0	22.4	22.4	23.2	22.8	23.5	
	6H	21.0	21.6	21.4	22.1	22.5	22.8	23.5	23.2	23.9	
	8H	21.0	21.6	21.5	22.0	22.4	22.9	23.5	23.4	23.9	
	12H	21.0	21.5	21.4	21.9	22.4	23.0	23.5	23.5	23.9	
12H	4H	20.8	21.5	21.2	21.9	22.3	22.4	23.1	22.8	23.5	
	6H	21.0	21.6	21.5	22.0	22.5	22.8	23.4	23.2	23.8	
	8H	21.0	21.5	21.5	22.0	22.4	22.9	23.4	23.4	23.9	
Variations with the observer position at spacings:											
S = 1.0H		+ 0.3 / - 0.3				+ 0.2 / - 0.2					
1.5H		+ 0.2 / - 0.4				+ 0.3 / - 0.5					
2.0H		+ 0.4 / - 0.4				+ 0.7 / - 0.9					

CIE Pub.117, 2817 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.6$)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2022-07-18

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:0.9655A P:23.17W PF:1.000 Freq:0Hz Lamp Flux:2816.98x1 lm		
NAME: LLS-LE25LAXBS1200-F20NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25mm	Shielding Angle:

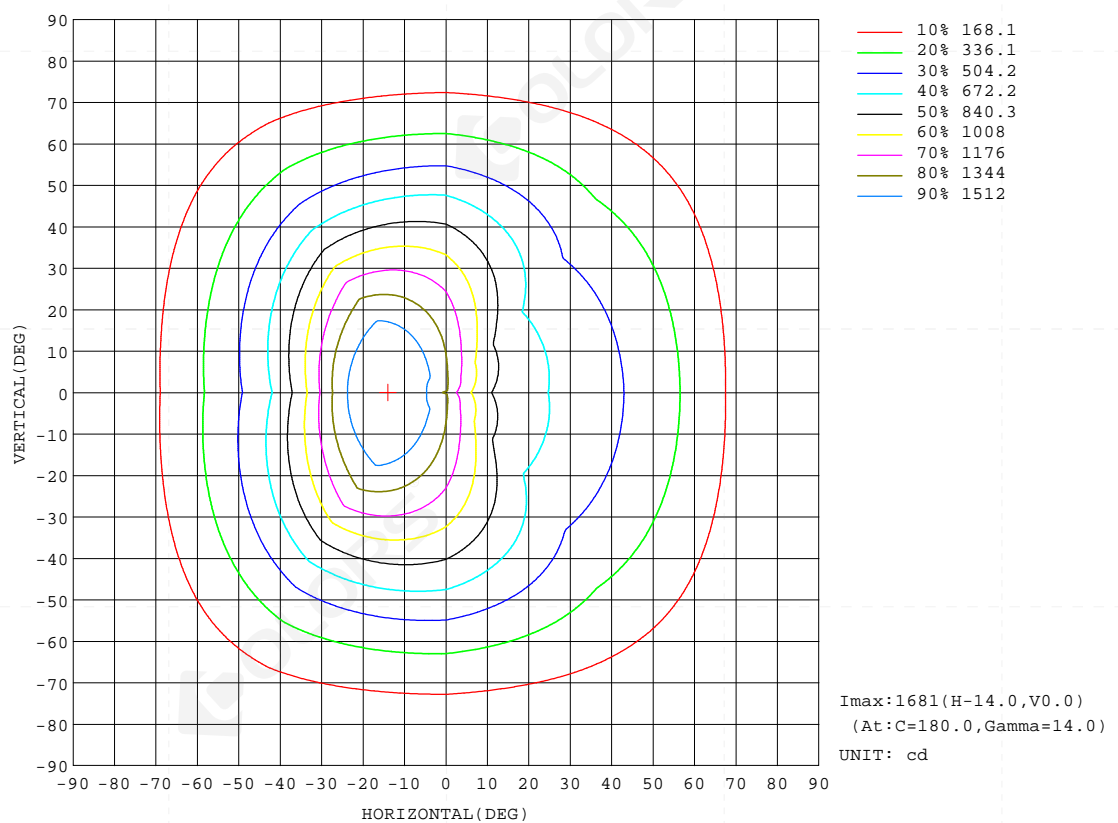
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	63	52	46	62	52	46	61	52	46	40
0.80	73	63	56	72	62	56	70	61	55	49
1.00	81	71	65	80	71	64	78	72	64	58
1.25	88	79	72	86	78	72	84	77	71	65
1.50	92	84	78	91	83	77	88	81	76	69
2.00	99	91	86	97	90	85	94	88	83	76
2.50	102	95	90	100	94	89	96	91	87	80
3.00	105	99	94	103	97	93	99	95	91	83
4.00	108	103	99	106	102	98	102	98	95	87
5.00	110	106	103	108	104	101	104	101	98	89
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:2022-07-18

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:0.9655A P:23.17W PF:1.000 Freq:0Hz Lamp Flux:2816.98x1 lm		
NAME: LLS-LE25LAXBS1200-F20NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25mm	Shielding Angle:



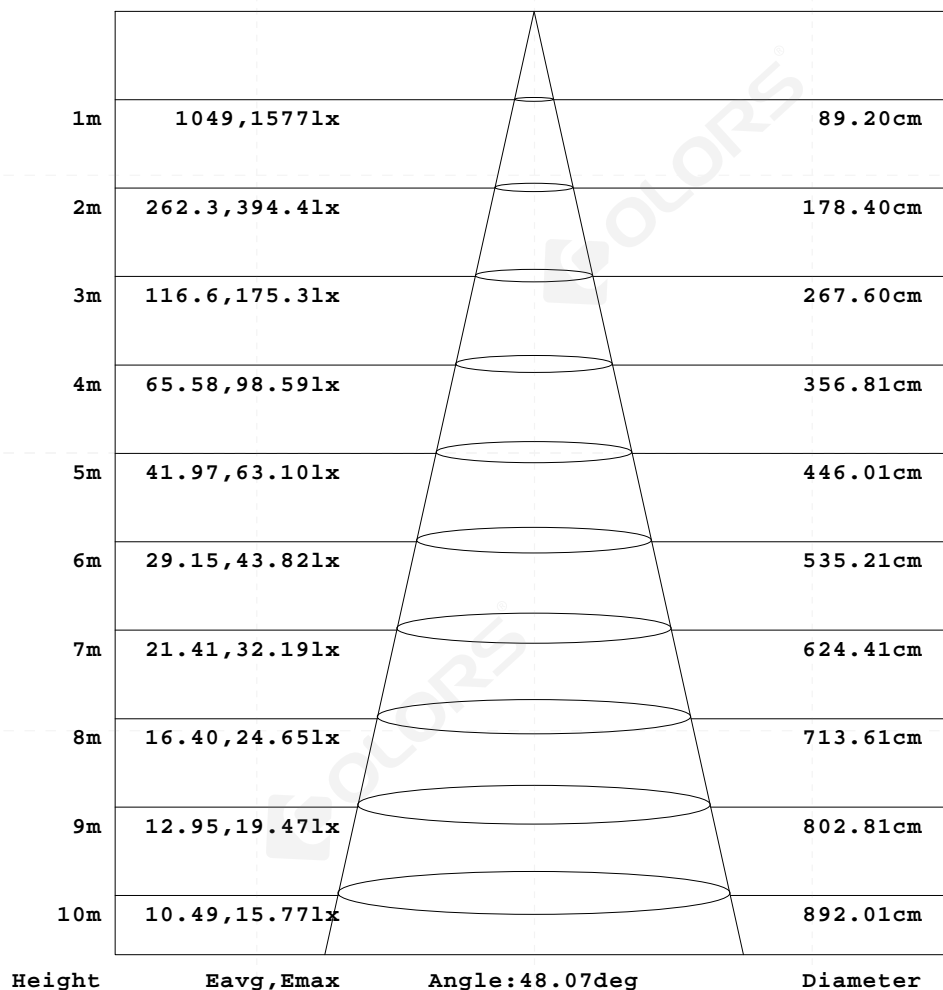
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2022-07-18

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:0.9655A P:23.17W PF:1.000 Freq:0Hz Lamp Flux:2816.98x1 lm		
NAME: LLS-LE25LAXBS1200-F20NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25mm	Shielding Angle:

Flux out:716.8 lm



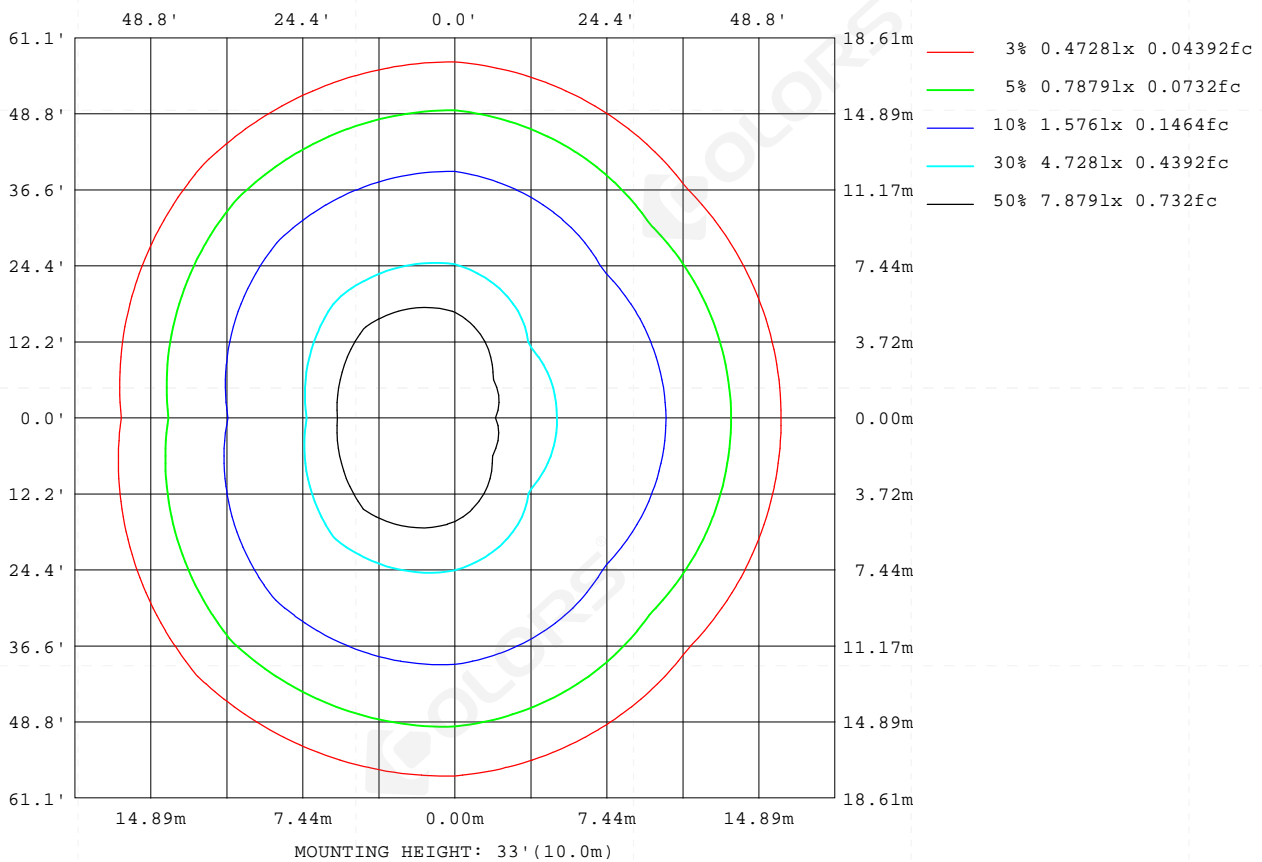
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2022-07-18

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:

ISOLUX DIAGRAM

Test:U:24.00V I:0.9655A P:23.17W PF:1.000 Freq:0Hz Lamp Flux:2816.98x1 lm		
NAME: LLS-LE25LAXBS1200-F20NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2022-07-18

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:

LED Avg.L Report

Test:U:24.00V I:0.9655A P:23.17W PF:1.000 Freq:0Hz Lamp Flux:2816.98x1 lm		
NAME: LLS-LE25LAXBS1200-F20NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25mm	Shielding Angle:

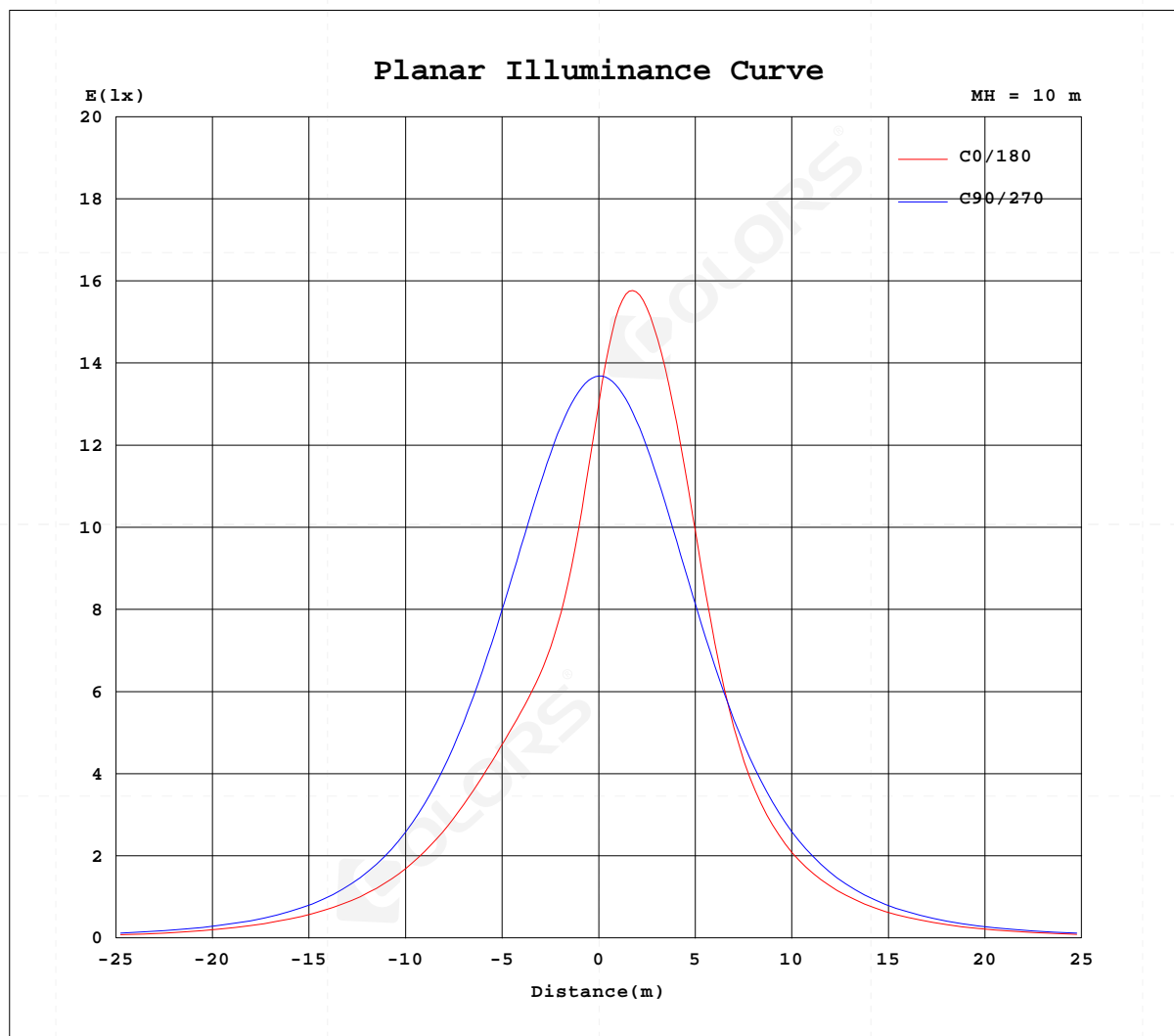
AvgL	cd/m2
L_0~180(65)av	17058
L_0~180(75)av	10643
L_0~180(85)av	869
L_90~270(65)av	23129
L_90~270(75)av	17255
L_90~270(85)av	8931
L_45(65)av	21097
L_45(75)av	14707
L_45(85)av	2871

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2022-07-18

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: 2022-07-18

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:0.9655A P:23.17W PF:1.000 Freq:0Hz Lamp Flux:2816.98x1 lm		
NAME: LLS-LE25LAXBS1200-F20NW8X-DC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: COLORS	SUR.:1200*25mm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	45	90	135	180	225	270	315										
0	1302	1353	1369	1356	1302	1353	1369	1356										
5	1056	1170	1357	1502	1526	1506	1364	1179										
10	868	997	1328	1588	1652	1593	1341	1008										
15	759	860	1282	1610	1679	1612	1300	868										
20	704	762	1221	1577	1623	1574	1241	765										
25	670	693	1145	1498	1463	1488	1166	691										
30	635	638	1055	1377	1200	1356	1074	632										
35	591	587	955	1218	934	1186	969	579										
40	538	535	846	1038	733	994	855	526										
45	480	479	731	856	593	808	735	470										
50	419	422	615	690	487	644	614	412										
55	356	358	502	546	394	506	497	353										
60	286	297	395	422	306	390	387	292										
65	208	235	298	313	225	291	288	231										
70	132	169	213	218	154	201	204	166										
75	71.4	102	137	133	93.9	120	131	102										
80	27.5	45.0	73.6	61.5	42.4	54.5	69.6	44.8										
85	1.36	8.40	24.5	8.36	3.19	5.26	22.2	8.00										
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2022-07-18

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: