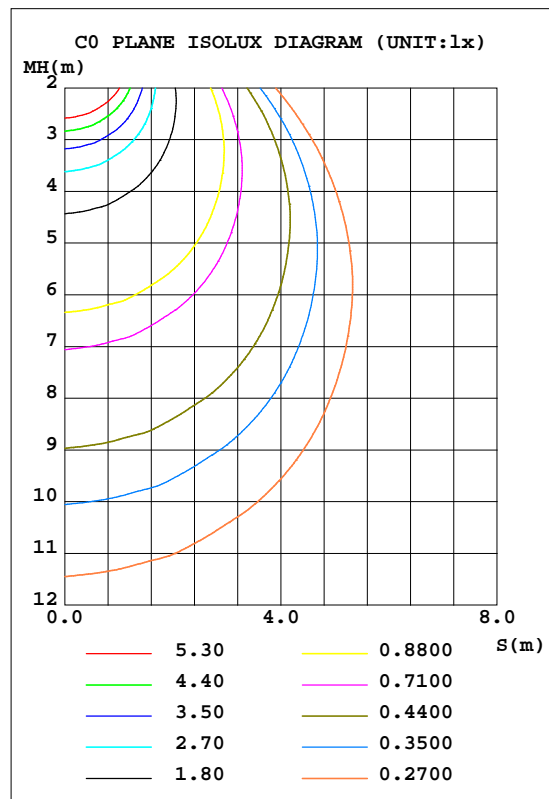
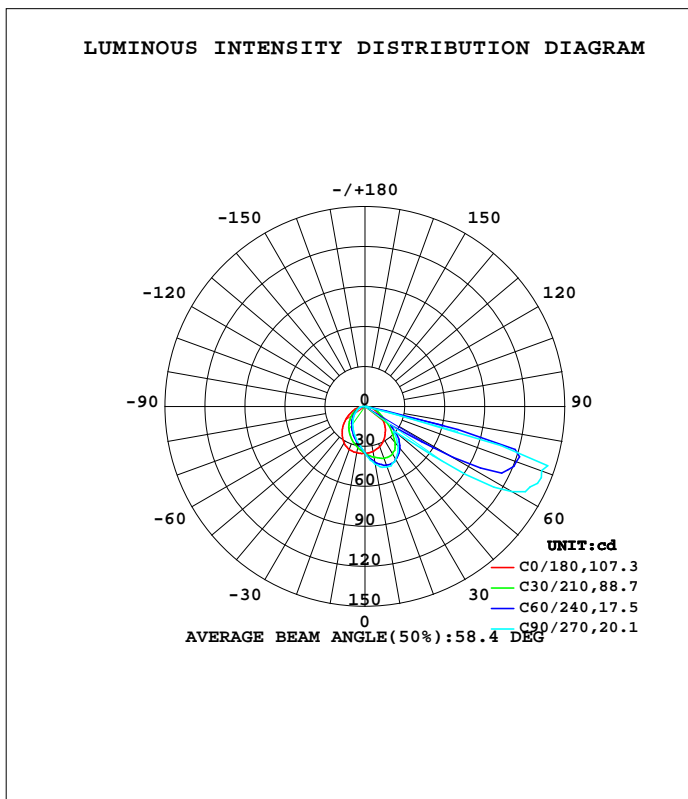


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.74V I:0.0220A P:4.3253W PF:0.8509 Freq:49.99Hz Lamp Flux:152.759x1 lm		
NAME: Small foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 35.32 lm/W
MODEL	1515B-00+5R	I _{max} (cd)	144.3	S/MH(C0/180)	1.31	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.80	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	152.76	h UP, DN(C0-180)	0.0,76.4	
NOMINAL FLUX(lm)	152.759	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,23.6	
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	230	h down(%)	100.0	CIBSE SHR MAX	0.80	



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:18 July 2023

Range: 0 - 90DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: SMC LSC6W350LR-Z UNI

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

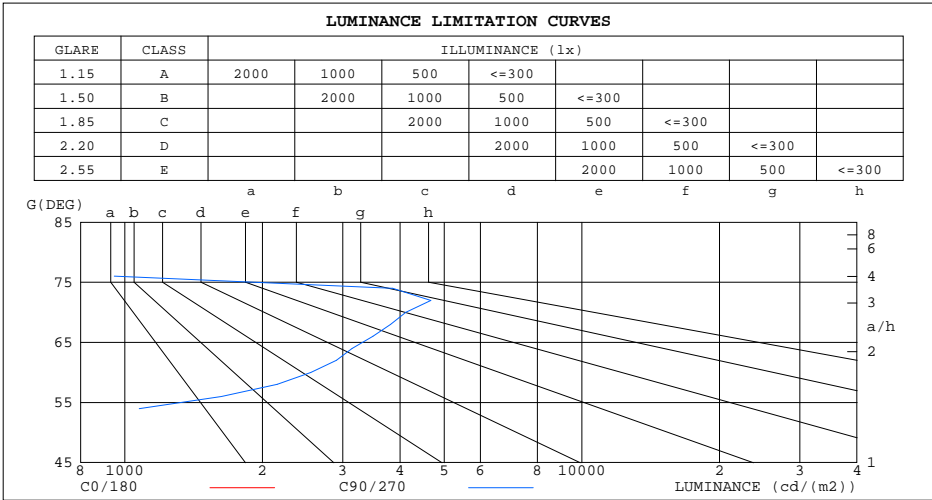
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	34.46	40.96	43.91	41.54	35.33	29.99	28.31	29.47	0- 10	3.373	3.373	2.21,2.21
20	32.23	44.60	48.35	46.22	34.48	25.52	22.82	24.74	10- 20	9.999	13.37	8.75,8.75
30	28.64	44.68	46.13	46.96	31.51	21.15	18.09	20.31	20- 30	15.62	29.00	19,19
40	23.99	39.22	38.83	42.17	26.82	16.94	14.28	16.12	30- 40	18.80	47.80	31.3,31.3
50	18.64	25.74	28.78	29.64	21.27	12.96	10.75	12.22	40- 50	18.36	66.15	43.3,43.3
60	12.91	21.81	127.7	35.97	14.88	9.168	7.747	8.655	50- 60	21.78	87.93	57.6,57.6
70	8.140	66.07	141.0	108.0	9.540	5.989	5.563	5.698	60- 70	38.39	126.3	82.7,82.7
80	3.885	3.059	1.752	3.325	4.803	3.392	3.984	3.341	70- 80	24.70	151.0	98.9,98.9
90	0.0959	0.1033	0.1033	0.0848	0.1180	0.8151	0.9737	0.9589	80- 90	1.739	152.8	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:18 July 2023

g Range: 0 - 90DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: SMC LSC6W350LR-Z UNI

LUMINANCE LIMITATION CURVES

Test:U:230.74V I:0.0220A P:4.3253W PF:0.8509 Freq:49.99Hz Lamp Flux:152.759x1 lm		
NAME: Small foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	140	15
80	224	101
75	253	4105
70	238	4123
65	256	3261
60	258	2554
55	285	1103
50	290	448
45	311	488

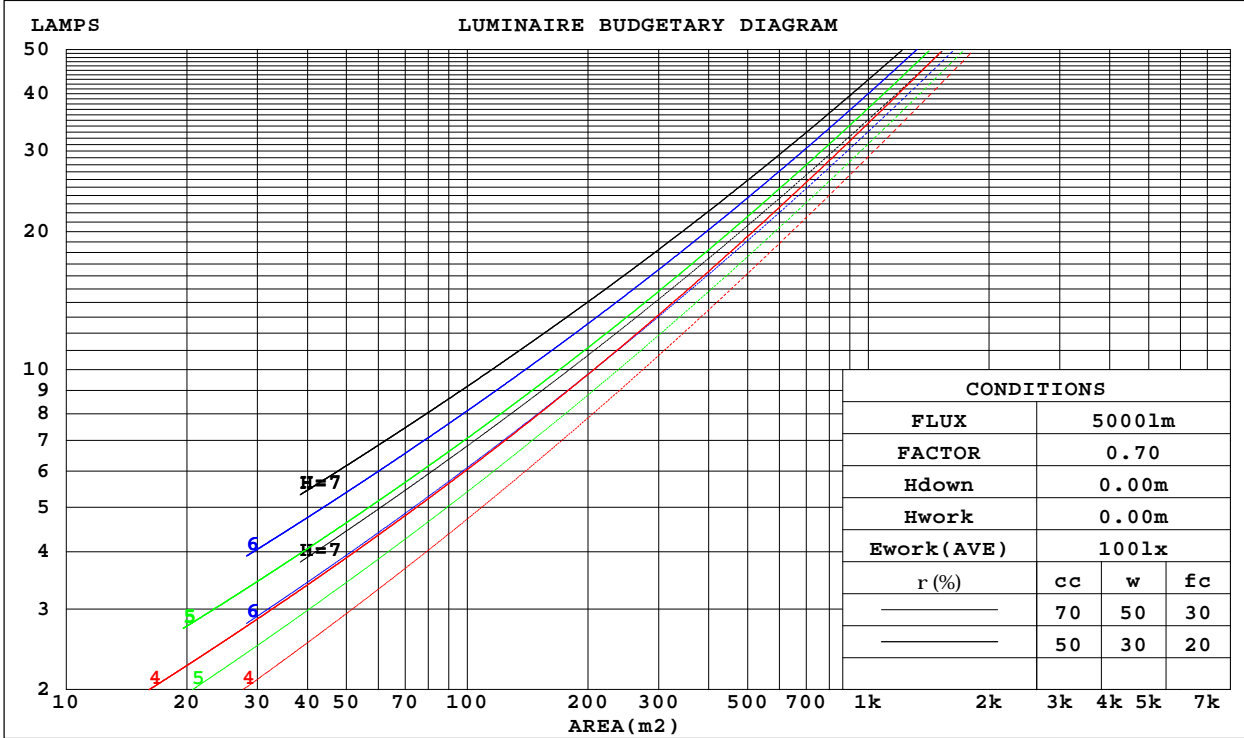
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 18 July 2023

G Range: 0 - 90DEG
 G Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity: 65.0%
 Test Distance: 10.365m [K=1.0000]
 Remarks: SMC LSC6W350LR-Z UNI

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.74V I:0.0220A P:4.3253W PF:0.8509 Freq:49.99Hz Lamp Flux:152.759x1 lm		
NAME: Small foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.00	.95	.90	.98	.93	.89	.94	.90	.86	.90	.86	.83	.86	.83	.81	.78
2.0	.84	.75	.68	.82	.74	.68	.78	.72	.66	.75	.69	.64	.71	.67	.63	.60
3.0	.71	.61	.54	.70	.60	.53	.66	.59	.52	.63	.57	.51	.61	.55	.50	.48
4.0	.62	.51	.43	.60	.51	.43	.58	.49	.42	.55	.48	.42	.53	.46	.41	.39
5.0	.54	.44	.36	.53	.43	.36	.51	.42	.36	.49	.41	.35	.47	.40	.35	.32
6.0	.48	.38	.31	.47	.38	.31	.45	.37	.30	.44	.36	.30	.42	.35	.30	.27
7.0	.43	.34	.27	.43	.33	.27	.41	.33	.27	.39	.32	.26	.38	.31	.26	.24
8.0	.40	.30	.24	.39	.30	.24	.37	.29	.23	.36	.29	.23	.35	.28	.23	.21
9.0	.36	.27	.21	.36	.27	.21	.34	.26	.21	.33	.26	.21	.32	.26	.21	.19
10.0	.33	.25	.19	.33	.25	.19	.32	.24	.19	.31	.24	.19	.30	.23	.19	.17



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:18 July 2023

Range: 0 - 90DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: SMC LSC6W350LR-Z UNI

WEC AND CCEC

Test:U:230.74V I:0.0220A P:4.3253W PF:0.8509 Freq:49.99Hz Lamp Flux:152.759x1 lm		
NAME: Small foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	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	.378	.215	.068	.371	.212	.067	.358	.205	.066	.345	.199	.064	.334	.193	.062	
2.0	.355	.195	.060	.348	.192	.059	.336	.187	.058	.325	.182	.057	.314	.178	.056	
3.0	.322	.171	.051	.316	.169	.051	.305	.165	.050	.295	.162	.050	.285	.158	.049	
4.0	.291	.151	.044	.285	.149	.044	.276	.146	.044	.266	.143	.043	.258	.140	.043	
5.0	.263	.134	.039	.259	.133	.039	.250	.130	.038	.242	.128	.038	.234	.125	.038	
6.0	.240	.120	.034	.236	.119	.034	.228	.117	.034	.221	.115	.034	.214	.113	.033	
7.0	.220	.109	.031	.216	.108	.031	.210	.106	.031	.203	.104	.030	.197	.102	.030	
8.0	.203	.099	.028	.200	.098	.028	.194	.097	.028	.188	.095	.027	.183	.094	.027	
9.0	.188	.091	.025	.186	.090	.025	.180	.089	.025	.175	.088	.025	.170	.086	.025	
10.0	.176	.084	.023	.173	.084	.023	.168	.082	.023	.163	.081	.023	.159	.080	.023	

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	.185	.156	.129	.158	.133	.111	.108	.092	.077	.062	.053	.045	.020	.017	.014	
2.0	.181	.132	.090	.155	.113	.078	.106	.078	.054	.061	.046	.032	.020	.015	.010	
3.0	.174	.115	.067	.150	.099	.058	.103	.069	.041	.059	.040	.024	.019	.013	.008	
4.0	.167	.102	.052	.143	.088	.045	.099	.061	.032	.057	.036	.019	.018	.012	.006	
5.0	.159	.092	.042	.137	.080	.037	.094	.056	.026	.055	.033	.015	.018	.011	.005	
6.0	.151	.084	.035	.130	.073	.031	.090	.051	.022	.052	.030	.013	.017	.010	.004	
7.0	.143	.077	.030	.123	.067	.026	.085	.047	.019	.050	.028	.011	.016	.009	.004	
8.0	.136	.071	.026	.117	.062	.023	.081	.043	.016	.047	.026	.010	.015	.008	.003	
9.0	.129	.066	.023	.111	.057	.020	.077	.040	.015	.045	.024	.009	.015	.008	.003	
10.0	.123	.062	.021	.106	.054	.018	.073	.038	.013	.043	.022	.008	.014	.007	.003	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:18 July 2023

g Range: 0 - 90DEG
 g Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: SMC LSC6W350LR-Z UNI

UGR(Unified Glare Rating) Table

Test:U:230.74V I:0.0220A P:4.3253W PF:0.8509 Freq:49.99Hz Lamp Flux:152.759x1 lm										
NAME: Small foro LED recessed wall light					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: CG LIGHTING					SUR.:			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	14.1	15.8	14.4	16.1	16.3	26.1	27.8	26.3	28.0	28.2
3H	15.4	17.0	15.7	17.3	17.5	31.1	32.7	31.4	33.0	33.2
4H	16.0	17.6	16.3	17.8	18.1	32.5	34.0	32.8	34.3	34.6
6H	16.5	18.0	16.8	18.3	18.6	32.4	33.8	32.7	34.1	34.4
8H	16.6	18.0	16.9	18.3	18.6	32.3	33.7	32.7	34.0	34.3
12H	16.6	18.0	16.9	18.3	18.6	32.2	33.6	32.6	33.9	34.3
4H 2H	20.5	22.0	20.8	22.3	22.6	26.7	28.2	27.0	28.5	28.8
3H	20.8	22.2	21.2	22.5	22.8	32.2	33.6	32.5	33.9	34.2
4H	21.0	22.3	21.4	22.6	22.9	33.6	34.9	34.0	35.2	35.5
6H	21.1	22.3	21.5	22.6	23.0	33.5	34.6	33.9	35.0	35.4
8H	21.2	22.2	21.6	22.6	23.0	33.4	34.5	33.9	34.9	35.3
12H	21.2	22.2	21.6	22.6	23.0	33.4	34.4	33.8	34.8	35.2
8H 4H	24.4	25.5	24.8	25.8	26.2	33.5	34.5	33.9	34.9	35.3
6H	24.4	25.3	24.9	25.8	26.2	33.4	34.3	33.8	34.7	35.1
8H	24.5	25.3	24.9	25.7	26.1	33.4	34.2	33.8	34.6	35.0
12H	24.5	25.2	24.9	25.6	26.1	33.3	34.0	33.8	34.5	35.0
12H 4H	24.4	25.3	24.8	25.7	26.1	33.4	34.4	33.9	34.8	35.2
6H	24.4	25.2	24.9	25.6	26.1	33.4	34.2	33.8	34.6	35.0
8H	24.4	25.1	24.9	25.6	26.1	33.3	34.0	33.8	34.5	35.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.8 / - 0.8				
1.5H	+ 1.5 / - 1.6					+ 1.7 / - 0.9				
2.0H	+ 1.7 / - 3.2					+ 2.8 / - 4.2				

CIE Pub.117, 152.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.5)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:18 July 2023

g Range: 0 - 90DEG
 g Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: SMC LSC6W350LR-Z UNI

UTILIZATION FACTORS TABLE

Test:U:230.74V I:0.0220A P:4.3253W PF:0.8509 Freq:49.99Hz Lamp Flux:152.759x1 lm		
NAME: Small foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

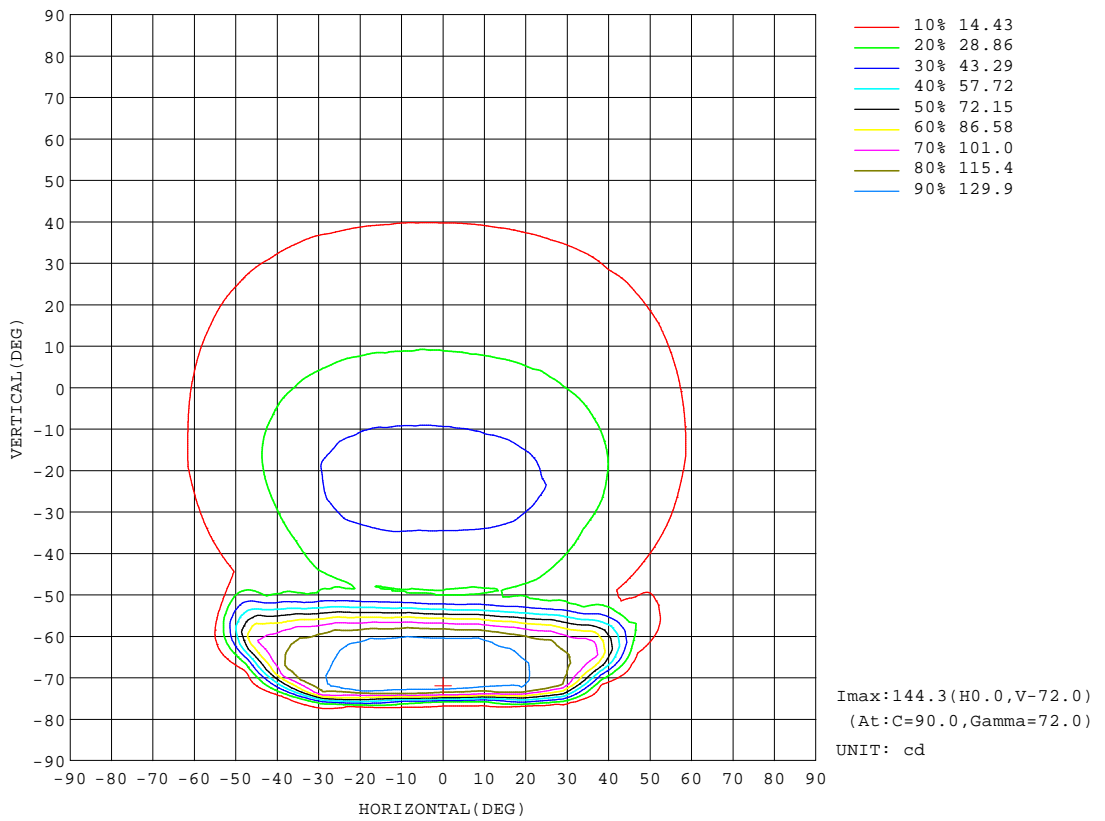
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	52	39	32	51	39	32	50	39	32	25
0.80	60	47	39	59	47	39	57	46	38	30
1.00	67	54	45	66	54	45	64	56	45	36
1.25	74	62	53	73	61	52	70	59	52	43
1.50	80	68	59	78	67	59	75	65	57	49
2.00	88	77	69	86	76	68	82	74	67	58
2.50	93	84	76	91	82	75	87	79	73	64
3.00	98	89	82	95	88	81	91	84	79	70
4.00	103	96	91	101	95	89	96	91	87	77
5.00	107	101	96	104	99	95	99	95	92	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:18 July 2023

g Range: 0 - 90DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: SMC LSC6W350LR-Z UNI

ISOCANDELA DIAGRAM

Test:U:230.74V I:0.0220A P:4.3253W PF:0.8509 Freq:49.99Hz Lamp Flux:152.759x1 lm		
NAME: Small foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

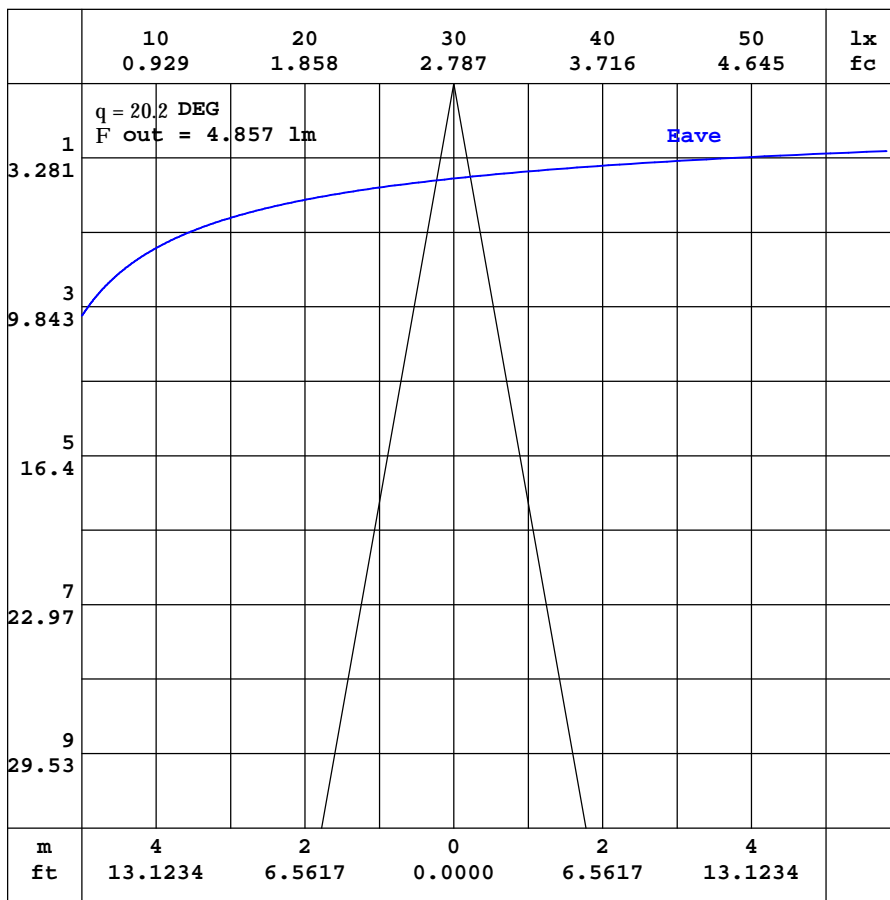


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
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 Test Date:18 July 2023

Range: 0 - 90DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: SMC LSC6W350LR-Z UNI

AAI CURVES

Test:U:230.74V I:0.0220A P:4.3253W PF:0.8509 Freq:49.99Hz Lamp Flux:152.759x1 lm		
NAME: Small foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



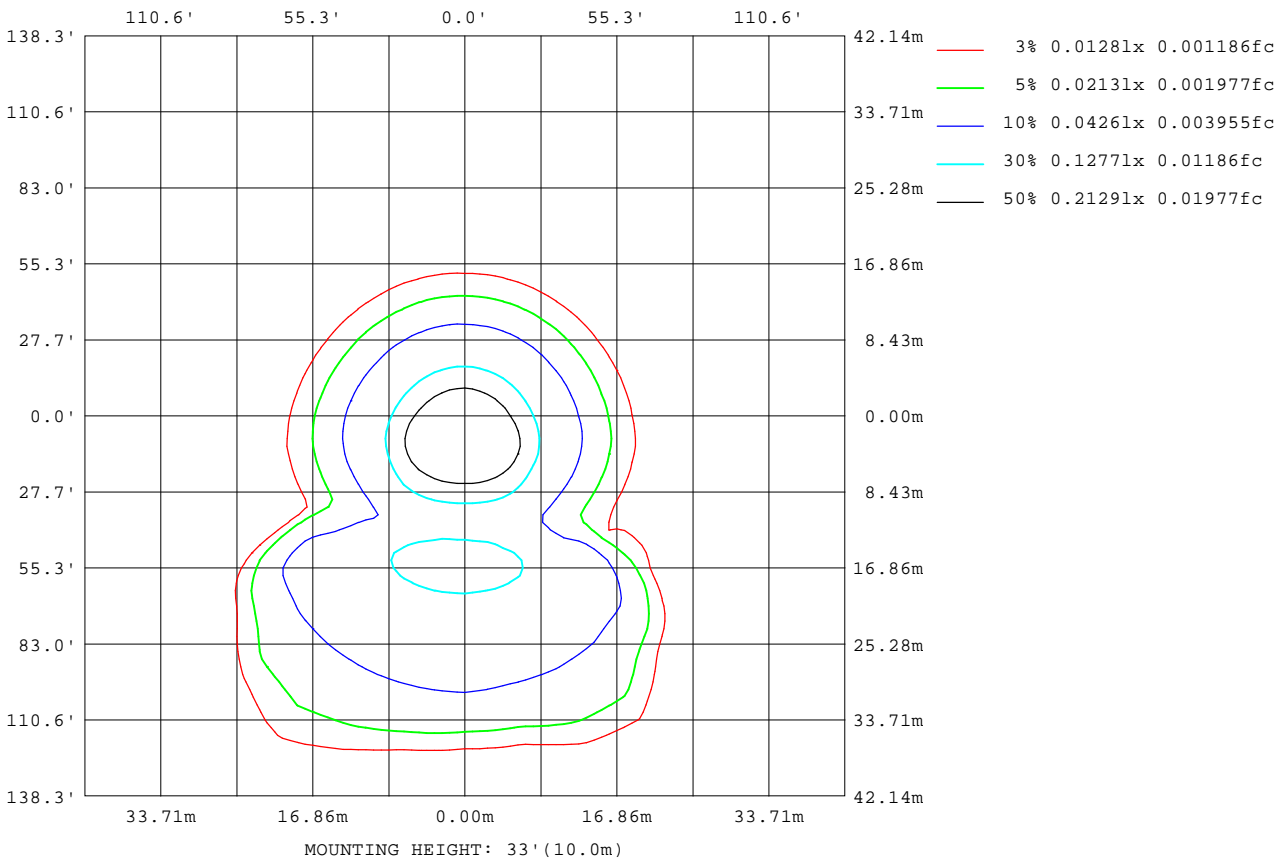
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LQL
Test Date:18 July 2023

Range: 0 - 90DEG
Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
Humidity:65.0%
Test Distance:10.365m [K=1.0000]
Remarks: SMC LSC6W350LR-Z UNI

ISOLUX DIAGRAM

Test:U:230.74V I:0.0220A P:4.3253W PF:0.8509 Freq:49.99Hz Lamp Flux:152.759x1 lm		
NAME: Small foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:18 July 2023

Range: 0 - 90DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: SMC LSC6W350LR-Z UNI

LED Avg.L Report

Test:U:230.74V I:0.0220A P:4.3253W PF:0.8509 Freq:49.99Hz Lamp Flux:152.759x1 lm		
NAME: Small foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

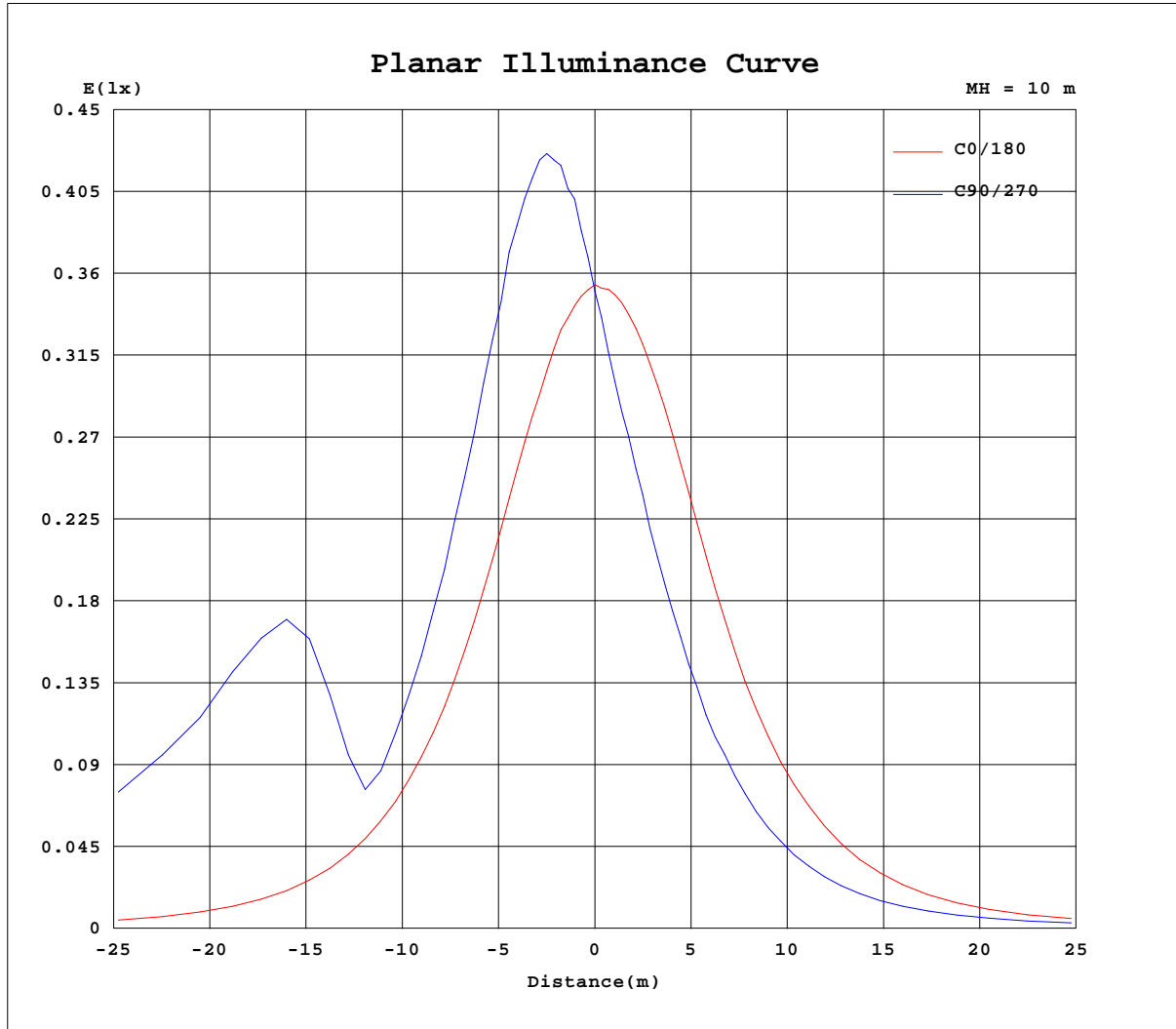
AvgL	cd/m2
L_0~180(65)av	264
L_0~180(75)av	260
L_0~180(85)av	169
L_90~270(65)av	1732
L_90~270(75)av	1319
L_90~270(85)av	142
L_45(65)av	911
L_45(75)av	681
L_45(85)av	144

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:18 July 2023

g Range: 0 - 90DEG
 g Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: SMC LSC6W350LR-Z UNI

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 18 July 2023

Page Range: 0 - 90DEG
 Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity: 65.0%
 Test Distance: 10.365m [K=1.0000]
 Remarks: SMC LSC6W350LR-Z UNI

