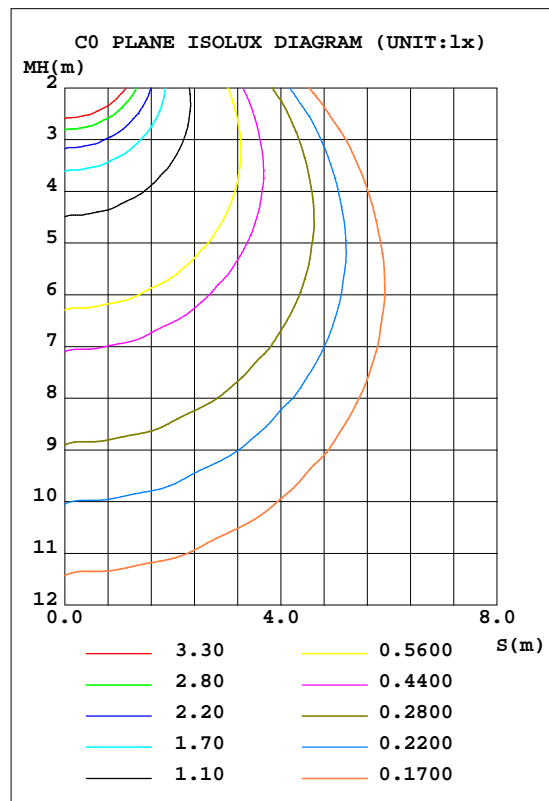
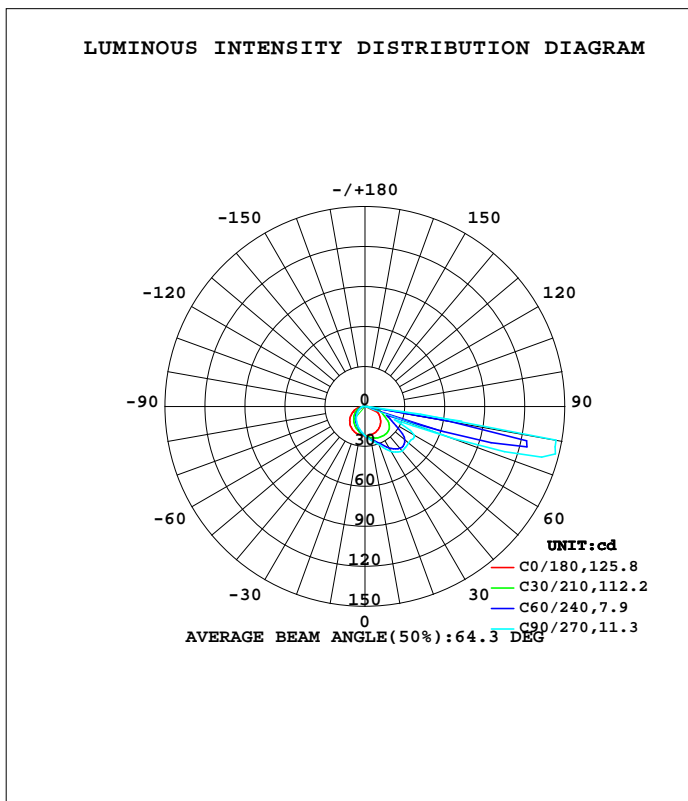


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.75V I:0.0222A P:4.3646W PF:0.8501 Freq:49.99Hz Lamp Flux:115.293x1 lm		
NAME: Foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	1503B-00+5R	Imax(cd)	147.5	S/MH(C0/180)	1.30
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.91
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	115.29	h UP, DN(C0-180)	0.0,77.3
NOMINAL FLUX(lm)	115.293	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,22.7
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	h down(%)	100.0	CIBSE SHR MAX	1.35



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:

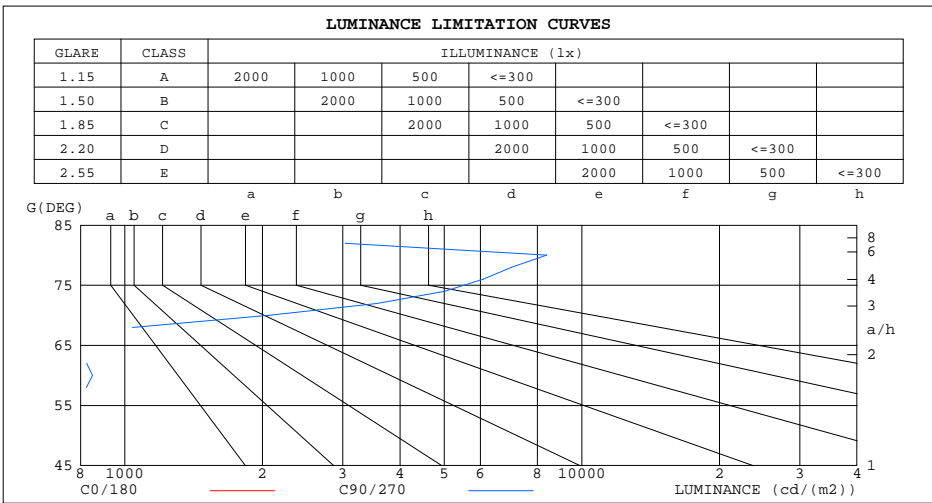
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	21.96	24.58	25.62	24.19	21.81	19.60	18.78	19.63	0- 10	2.100	2.100	1.82,1.82
20	21.31	27.08	30.39	26.63	21.02	17.07	15.69	17.22	10- 20	6.241	8.341	7.23,7.23
30	19.97	30.85	38.83	29.54	19.59	14.60	12.79	14.72	20- 30	10.36	18.70	16.2,16.2
40	18.10	34.25	43.64	32.00	17.59	12.00	10.09	12.09	30- 40	14.27	32.96	28.6,28.6
50	15.29	29.68	42.74	27.64	14.87	9.386	7.563	9.485	40- 50	16.59	49.56	43,43
60	12.28	21.15	42.46	20.04	11.89	6.863	5.334	6.930	50- 60	16.30	65.86	57.1,57.1
70	8.892	14.53	70.69	14.28	8.700	4.676	3.682	4.669	60- 70	13.57	79.43	68.9,68.9
80	4.424	8.740	145.5	7.974	4.427	2.636	2.538	2.622	70- 80	29.16	108.6	94.2,94.2
90	0.0885	0.0775	0.1844	0.0885	0.1254	0.5606	0.7671	0.5422	80- 90	6.704	115.3	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:230.75V I:0.0222A P:4.3646W PF:0.8501 Freq:49.99Hz Lamp Flux:115.293x1 lm		
NAME: 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	233	184
80	255	8380
75	283	5331
70	260	2067
65	258	723
60	246	849
55	245	746
50	238	665
45	242	612

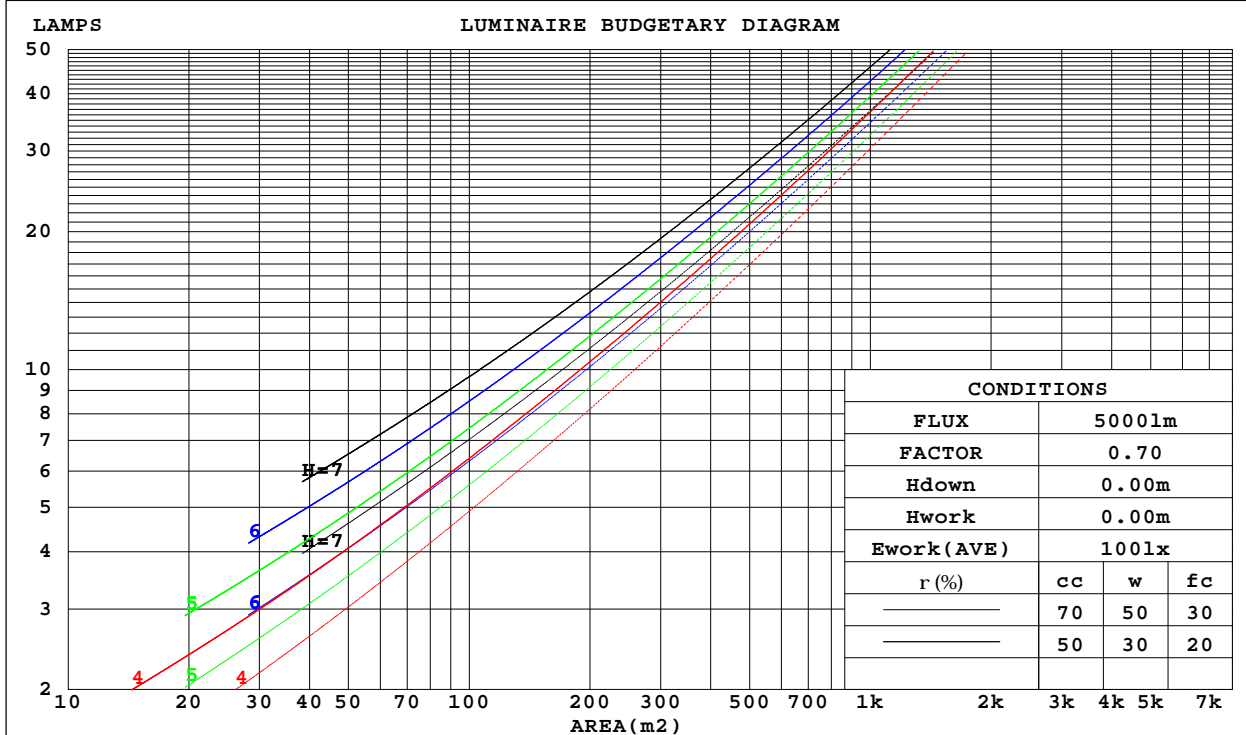
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:18 July 2023

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:230.75V I:0.0222A P:4.3646W PF:0.8501 Freq:49.99Hz Lamp Flux:115.293x1 lm		
NAME: Foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	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	.97	.91	.85	.94	.89	.84	.90	.85	.81	.86	.82	.78	.82	.79	.76	.73
2.0	.80	.71	.63	.78	.70	.63	.74	.67	.61	.71	.65	.59	.68	.63	.58	.55
3.0	.68	.58	.50	.67	.57	.49	.63	.55	.48	.60	.53	.47	.58	.51	.46	.44
4.0	.59	.49	.40	.58	.48	.40	.55	.46	.39	.53	.45	.39	.50	.44	.38	.36
5.0	.52	.42	.34	.51	.41	.34	.49	.40	.33	.47	.39	.33	.45	.38	.32	.30
6.0	.47	.36	.29	.46	.36	.29	.44	.35	.29	.42	.34	.28	.40	.33	.28	.26
7.0	.42	.32	.25	.41	.32	.25	.40	.31	.25	.38	.30	.25	.37	.30	.24	.22
8.0	.38	.29	.22	.38	.28	.22	.36	.28	.22	.35	.27	.22	.33	.27	.22	.19
9.0	.35	.26	.20	.34	.26	.20	.33	.25	.20	.32	.25	.19	.31	.24	.19	.17
10.0	.32	.23	.18	.32	.23	.18	.31	.23	.18	.30	.22	.17	.29	.22	.17	.15



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:230.75V I:0.0222A P:4.3646W PF:0.8501 Freq:49.99Hz Lamp Flux:115.293x1 lm		
NAME: 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	.445	.253	.080	.437	.249	.079	.423	.243	.078	.410	.237	.076	.398	.231	.074	
2.0	.389	.213	.065	.383	.211	.065	.370	.206	.064	.359	.201	.063	.348	.197	.062	
3.0	.341	.182	.054	.335	.179	.054	.324	.176	.053	.314	.172	.053	.304	.168	.052	
4.0	.302	.157	.046	.297	.155	.046	.287	.152	.045	.277	.149	.045	.269	.146	.044	
5.0	.270	.138	.040	.266	.136	.040	.257	.134	.039	.249	.131	.039	.241	.129	.039	
6.0	.245	.123	.035	.241	.122	.035	.233	.119	.035	.226	.117	.034	.219	.115	.034	
7.0	.224	.111	.031	.220	.110	.031	.213	.108	.031	.207	.106	.031	.201	.104	.031	
8.0	.206	.101	.028	.203	.100	.028	.197	.098	.028	.191	.097	.028	.185	.095	.028	
9.0	.191	.092	.026	.188	.092	.026	.183	.090	.026	.177	.089	.025	.173	.088	.025	
10.0	.178	.085	.024	.175	.085	.024	.170	.083	.024	.166	.082	.023	.161	.081	.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	.190	.155	.124	.162	.133	.106	.111	.091	.074	.064	.053	.043	.020	.017	.014	
2.0	.185	.131	.086	.159	.113	.074	.109	.078	.052	.063	.046	.030	.020	.015	.010	
3.0	.178	.115	.064	.153	.099	.056	.105	.069	.039	.061	.040	.023	.019	.013	.008	
4.0	.170	.102	.050	.146	.088	.044	.100	.062	.031	.058	.036	.018	.019	.012	.006	
5.0	.161	.092	.041	.138	.080	.036	.095	.056	.025	.055	.033	.015	.018	.011	.005	
6.0	.153	.084	.035	.131	.073	.030	.091	.051	.021	.053	.030	.013	.017	.010	.004	
7.0	.145	.077	.030	.125	.067	.026	.086	.047	.018	.050	.028	.011	.016	.009	.004	
8.0	.137	.071	.026	.118	.062	.023	.082	.043	.016	.048	.026	.010	.015	.008	.003	
9.0	.130	.066	.023	.112	.058	.020	.078	.041	.014	.045	.024	.009	.015	.008	.003	
10.0	.124	.062	.021	.107	.054	.018	.074	.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:230.75V I:0.0222A P:4.3646W PF:0.8501 Freq:49.99Hz Lamp Flux:115.293x1 lm										
NAME: 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	16.2	18.0	16.5	18.2	18.4	21.4	23.1	21.6	23.4	23.6
3H	17.8	19.5	18.1	19.7	20.0	26.9	28.6	27.3	28.9	29.1
4H	18.5	20.1	18.9	20.4	20.7	33.2	34.8	33.6	35.1	35.4
6H	19.1	20.6	19.4	20.9	21.2	37.3	38.8	37.6	39.1	39.4
8H	19.2	20.7	19.6	21.0	21.3	37.4	38.9	37.8	39.2	39.5
12H	19.3	20.7	19.6	21.0	21.3	37.4	38.8	37.7	39.1	39.4
4H 2H	17.4	19.0	17.7	19.3	19.6	21.4	23.0	21.7	23.2	23.5
3H	19.2	20.7	19.6	21.0	21.3	28.1	29.6	28.5	29.9	30.2
4H	20.1	21.5	20.5	21.8	22.2	34.7	36.1	35.1	36.4	36.8
6H	20.8	22.0	21.2	22.4	22.8	38.9	40.1	39.3	40.5	40.9
8H	21.0	22.2	21.4	22.6	23.0	39.2	40.3	39.6	40.7	41.1
12H	21.1	22.2	21.5	22.6	23.0	39.1	40.2	39.6	40.6	41.0
8H 4H	26.2	27.3	26.6	27.7	28.1	35.0	36.2	35.5	36.6	37.0
6H	26.3	27.3	26.8	27.8	28.2	39.3	40.3	39.7	40.7	41.1
8H	26.4	27.3	26.9	27.7	28.2	39.7	40.6	40.1	41.0	41.5
12H	26.4	27.2	26.9	27.7	28.2	39.7	40.4	40.1	40.9	41.4
12H 4H	28.0	29.1	28.5	29.5	29.9	35.0	36.1	35.4	36.5	36.9
6H	28.1	29.0	28.6	29.4	29.9	39.2	40.1	39.7	40.6	41.0
8H	28.2	28.9	28.6	29.4	29.9	39.7	40.4	40.1	40.9	41.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.4					+ 0.2 / - 0.2				
1.5H	+ 1.4 / - 1.3					+ 0.9 / - 0.7				
2.0H	+ 2.3 / - 4.4					+ 1.7 / - 1.2				

CIE Pub.117, 115.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.5)

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:230.75V I:0.0222A P:4.3646W PF:0.8501 Freq:49.99Hz Lamp Flux:115.293x1 lm		
NAME: Foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

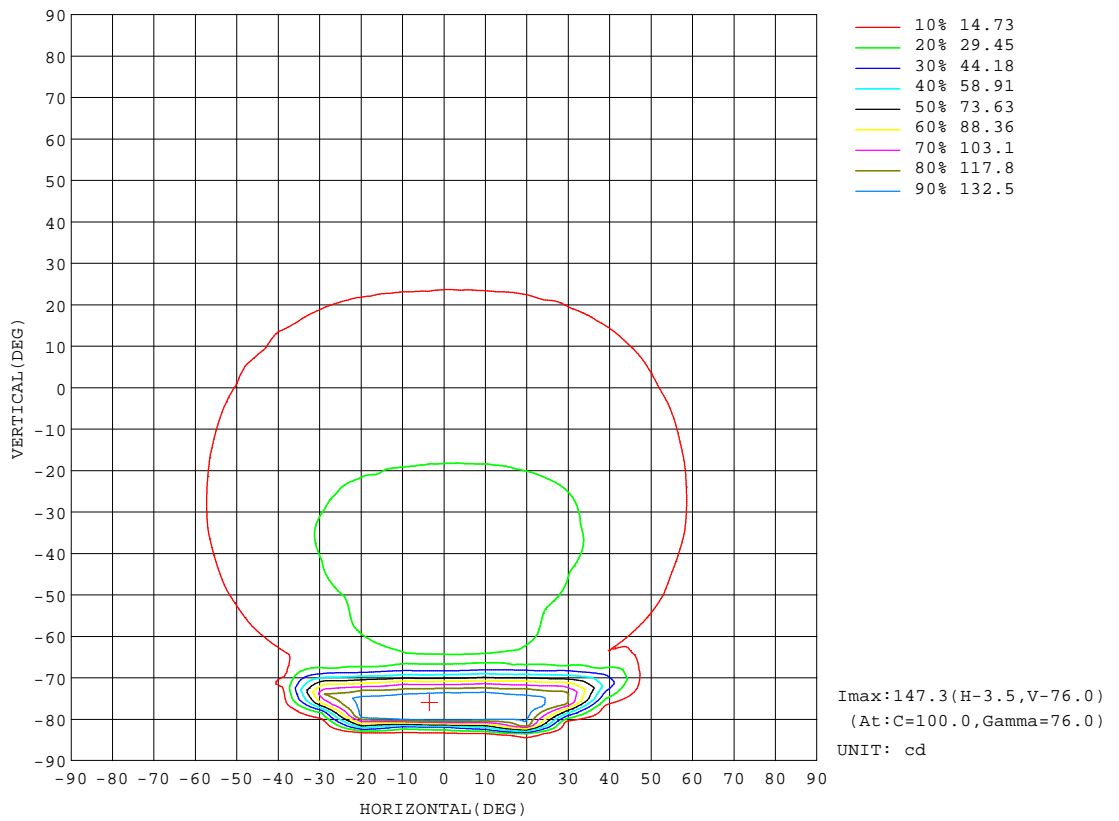
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	49	36	29	49	36	28	47	36	28	21
0.80	58	45	36	57	44	36	55	43	36	27
1.00	66	52	43	65	52	43	62	54	43	34
1.25	73	60	51	71	59	50	68	57	49	40
1.50	78	65	56	76	64	56	73	62	55	46
2.00	86	74	66	84	73	65	80	71	63	54
2.50	91	80	72	88	79	71	84	76	69	59
3.00	95	85	77	92	83	76	88	80	74	64
4.00	100	92	85	97	90	84	92	86	81	71
5.00	103	96	90	100	94	89	95	90	85	75
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  
 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

ISOCANDELA DIAGRAM

Test:U:230.75V I:0.0222A P:4.3646W PF:0.8501 Freq:49.99Hz Lamp Flux:115.293x1 lm		
NAME: Foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



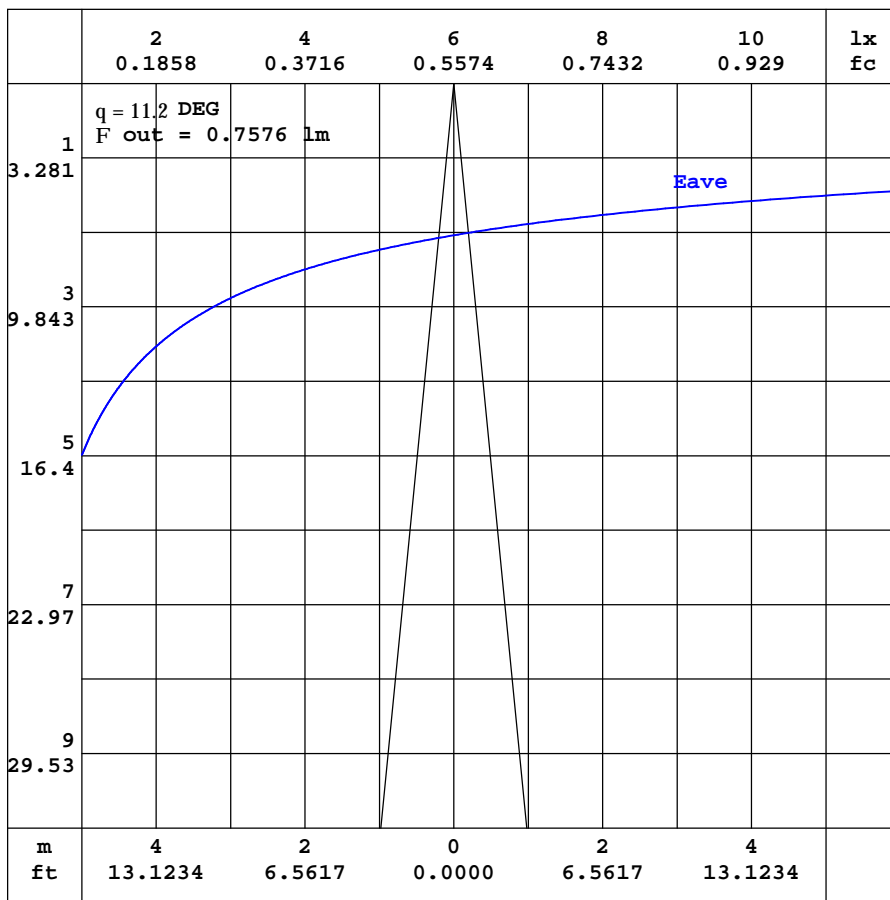
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:18 July 2023

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



AAI CURVES

Test:U:230.75V I:0.0222A P:4.3646W PF:0.8501 Freq:49.99Hz Lamp Flux:115.293x1 lm		
NAME: Foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



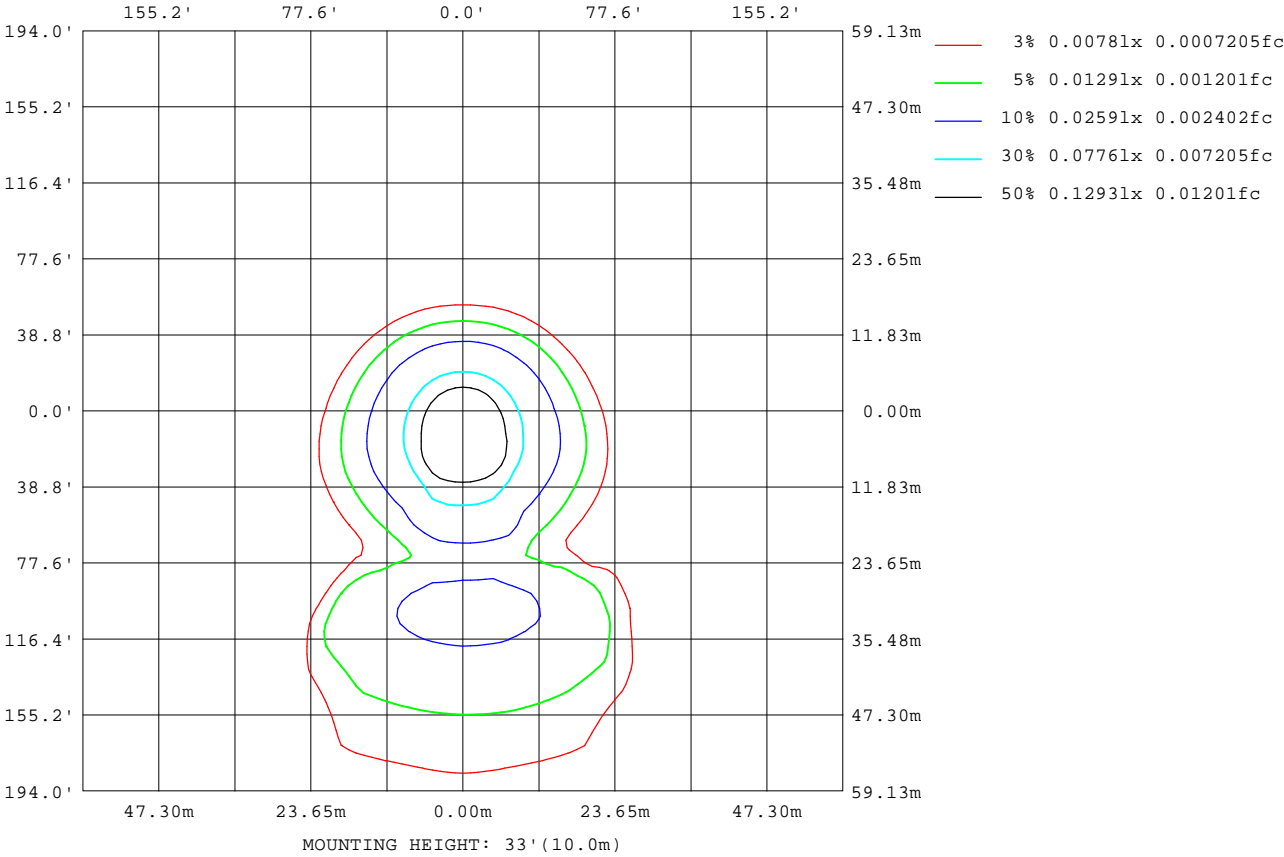
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.75V I:0.0222A P:4.3646W PF:0.8501 Freq:49.99Hz Lamp Flux:115.293x1 lm		
NAME: 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:230.75V I:0.0222A P:4.3646W PF:0.8501 Freq:49.99Hz Lamp Flux:115.293x1 lm		
NAME: Foro LED recessed wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

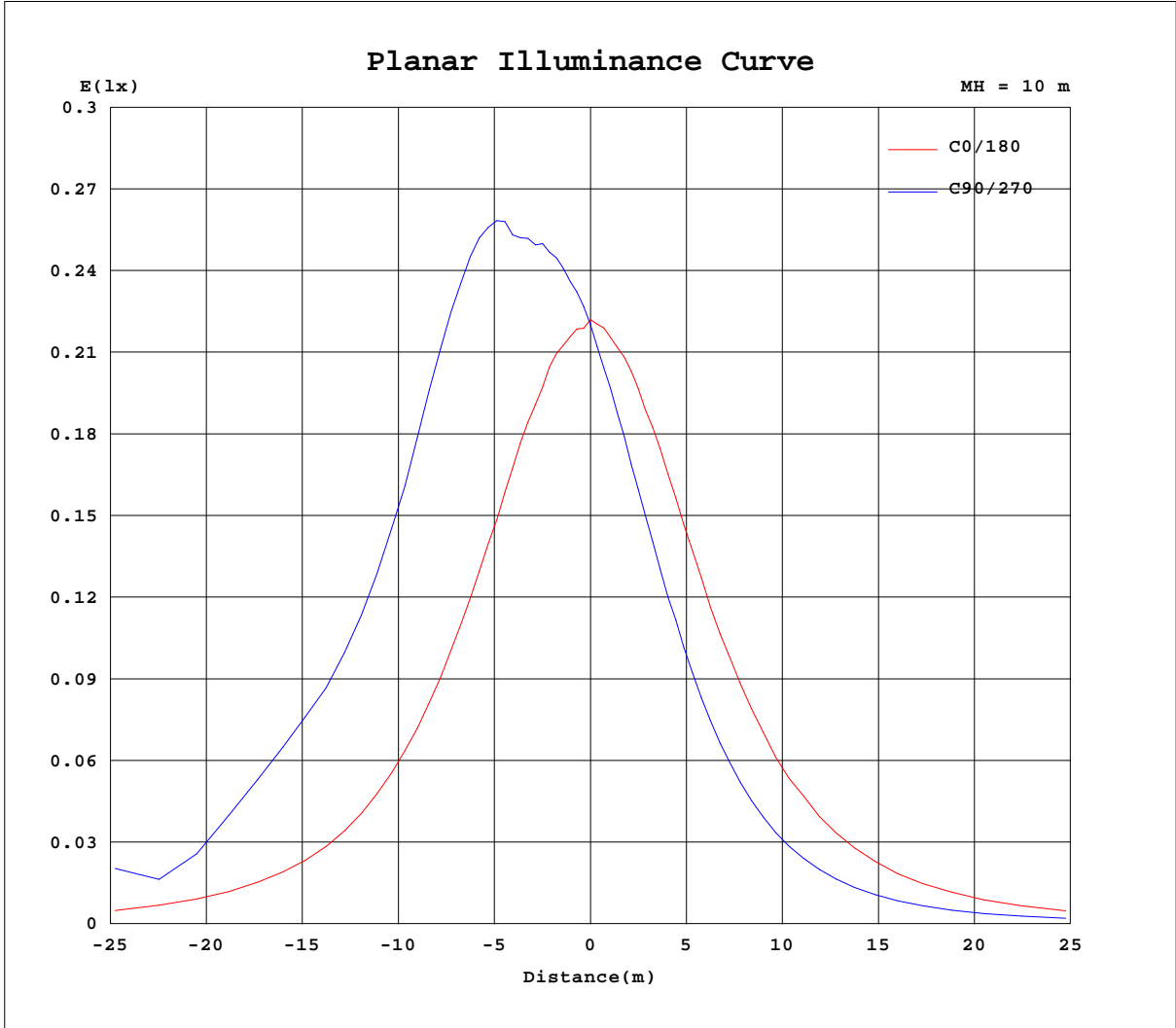
AvgL	cd/m2
L_0~180(65)av	247
L_0~180(75)av	265
L_0~180(85)av	193
L_90~270(65)av	360
L_90~270(75)av	2849
L_90~270(85)av	127
L_45(65)av	270
L_45(75)av	436
L_45(85)av	272

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



