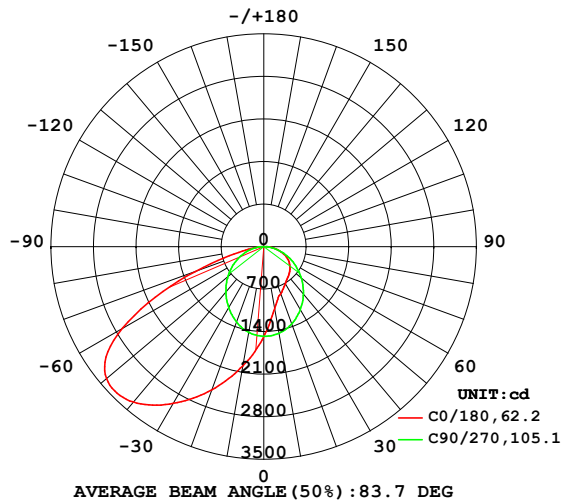


LUMINAIRE PHOTOMETRIC TEST REPORT

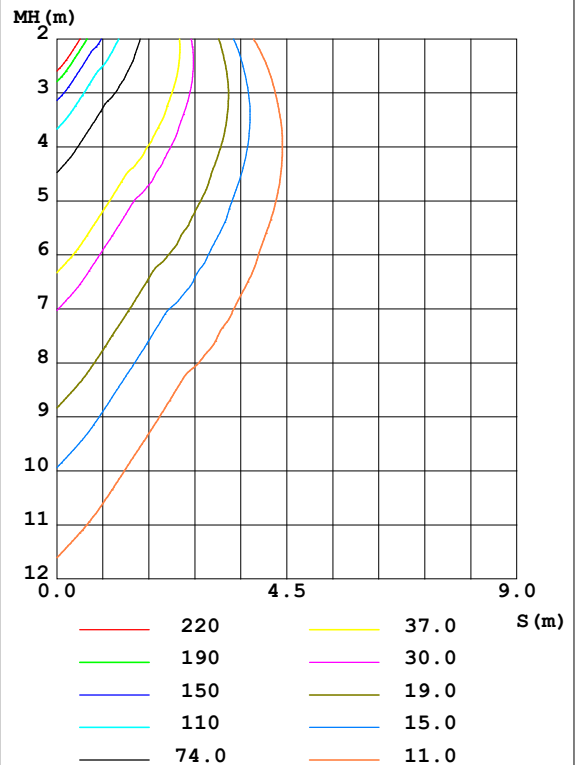
Test:U:229.65V I:0.2247A P:50.646W PF:0.9815 Freq:49.99Hz Lamp Flux:6080.17x1 lm		
NAME: POD-W	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.05 lm/W			
MODEL	4000K	I _{max} (cd)	3416	S/MH(C0/180)	2.38
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	6080.2	η UP,DN(C0-180)	0.0,46.0
NOMINAL FLUX(lm)	6080.17	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-10-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

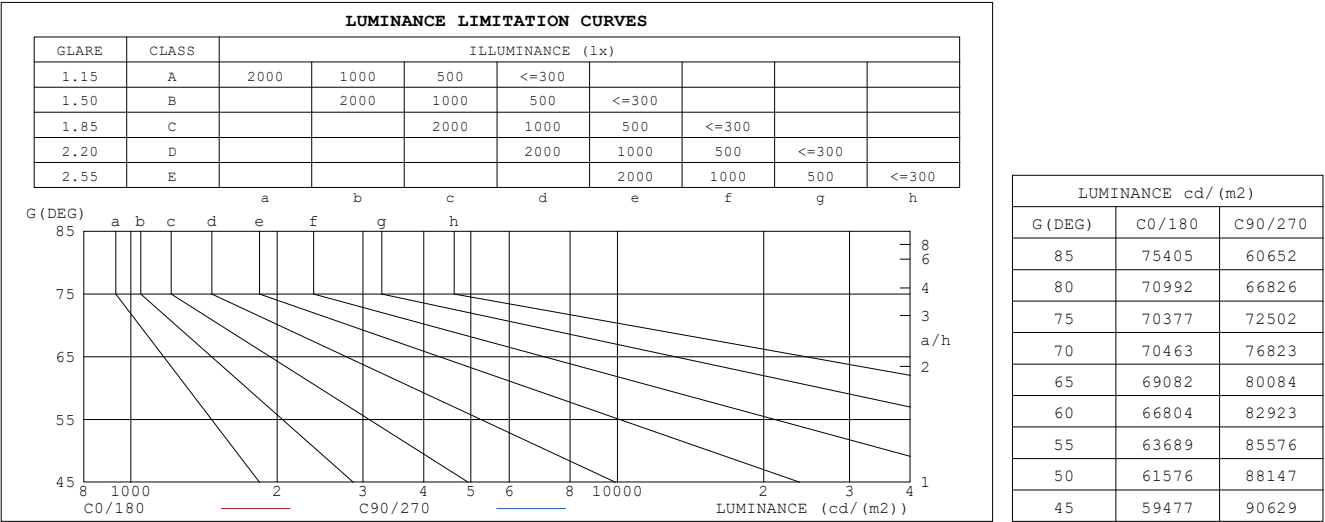
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1038	1137	1448	1819	1988	1809	1432	1126	0- 10	140.8	140.8	2.32,2.32
20	824.0	886.0	1353	2101	2505	2068	1319	871.8	10- 20	419.6	560.5	9.22,9.22
30	712.5	757.2	1201	2307	2977	2240	1156	736.3	20- 30	694.5	1255	20.6,20.6
40	632.7	639.7	1017	2399	3338	2295	973.5	618.6	30- 40	942.1	2197	36.1,36.1
50	565.2	537.1	809.1	2360	3377	2232	774.9	513.5	40- 50	1121	3318	54.6,54.6
60	477.0	424.1	592.1	2176	2682	2050	570.8	400.9	50- 60	1162	4480	73.7,73.7
70	344.1	297.2	375.2	1652	1203	1555	362.9	278.2	60- 70	950.2	5430	89.3,89.3
80	176.0	148.2	165.7	662.4	259.2	619.8	164.0	139.6	70- 80	516.5	5946	97.8,97.8
90	37.02	26.70	13.57	3.814	4.038	4.562	15.16	26.19	80- 90	133.8	6080	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: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-10-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.65V I:0.2247A P:50.646W PF:0.9815 Freq:49.99Hz Lamp Flux:6080.17x1 lm		
NAME: POD-W	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:



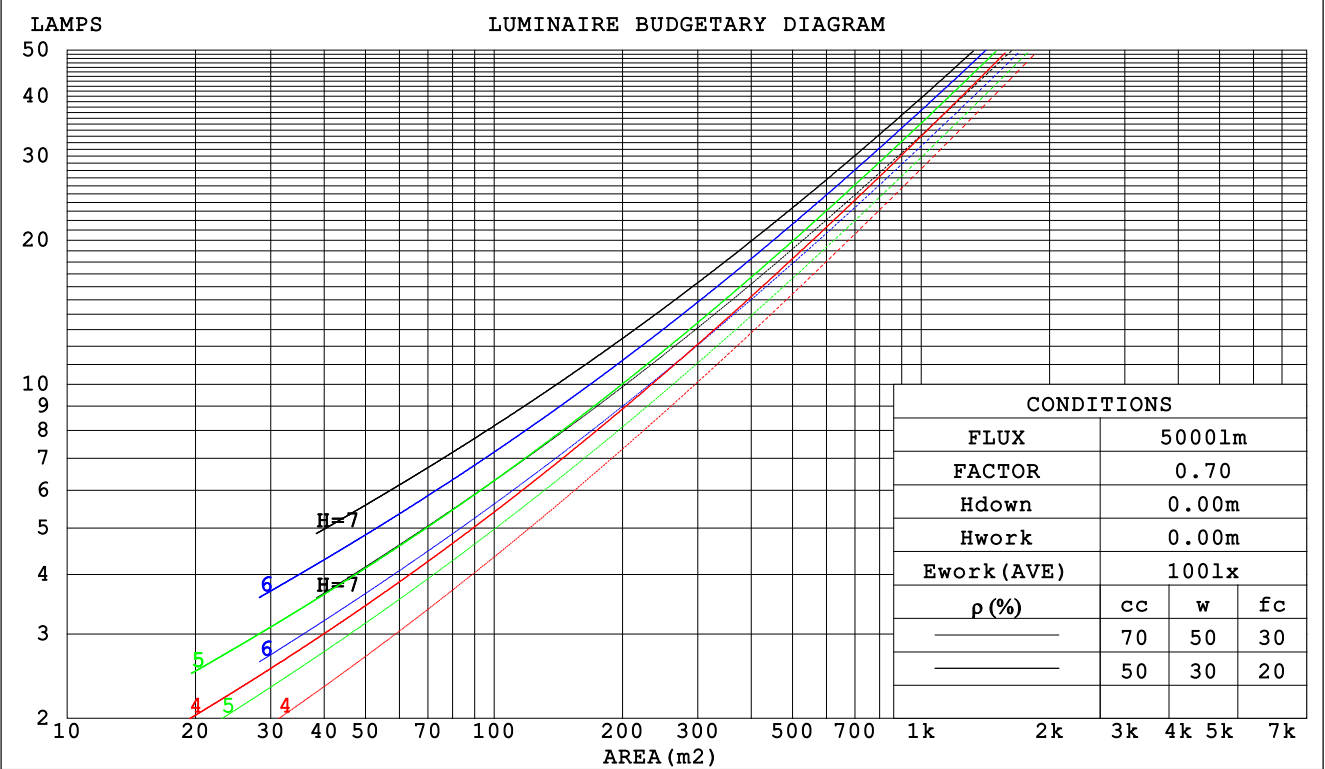
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.65V I:0.2247A P:50.646W PF:0.9815 Freq:49.99Hz Lamp Flux:6080.17x1 lm		
NAME: POD-W	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.03	.98	.94	1.00	.96	.92	.96	.92	.89	.92	.89	.86	.88	.86	.84	.82
2.0	.88	.81	.74	.86	.79	.73	.82	.77	.72	.79	.74	.70	.76	.72	.68	.66
3.0	.76	.67	.60	.75	.66	.60	.71	.64	.59	.69	.63	.58	.66	.61	.56	.54
4.0	.67	.57	.50	.65	.56	.49	.63	.55	.49	.60	.53	.48	.58	.52	.47	.45
5.0	.59	.49	.42	.58	.49	.42	.55	.47	.41	.53	.46	.41	.51	.45	.40	.38
6.0	.52	.43	.36	.51	.42	.36	.50	.41	.35	.48	.41	.35	.46	.40	.35	.33
7.0	.47	.38	.31	.46	.37	.31	.45	.37	.31	.43	.36	.31	.42	.35	.30	.28
8.0	.43	.34	.27	.42	.33	.27	.41	.33	.27	.39	.32	.27	.38	.32	.27	.25
9.0	.39	.30	.24	.38	.30	.24	.37	.30	.24	.36	.29	.24	.35	.29	.24	.22
10.0	.36	.27	.22	.35	.27	.22	.34	.27	.22	.33	.26	.22	.32	.26	.21	.20



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:229.65V I:0.2247A P:50.646W PF:0.9815 Freq:49.99Hz Lamp Flux:6080.17x1 lm					
NAME: POD-W			TYPE:		WEIGHT:
SPEC.:			DIM.: 607*100*38		SERIAL No.:
MFR.:			SUR.:0.595*0.024		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.336	.191	.060	.329	.187	.060	.315	.181	.058	.303	.175	.056	.292	.169	.054		
2.0	.315	.173	.053	.309	.170	.052	.297	.165	.051	.286	.161	.050	.276	.156	.049		
3.0	.291	.155	.046	.285	.153	.046	.274	.149	.045	.265	.145	.044	.255	.141	.044		
4.0	.267	.139	.041	.262	.137	.041	.252	.134	.040	.244	.131	.039	.236	.128	.039		
5.0	.246	.125	.036	.241	.124	.036	.233	.121	.036	.225	.119	.035	.218	.116	.035		
6.0	.227	.114	.033	.223	.112	.032	.215	.110	.032	.208	.108	.032	.202	.106	.032		
7.0	.210	.104	.029	.207	.103	.029	.200	.101	.029	.194	.099	.029	.188	.098	.029		
8.0	.195	.095	.027	.192	.095	.027	.186	.093	.027	.181	.092	.026	.175	.090	.026		
9.0	.182	.088	.025	.180	.088	.025	.174	.086	.024	.169	.085	.024	.164	.084	.024		
10.0	.171	.082	.023	.169	.081	.023	.164	.080	.023	.159	.079	.022	.155	.078	.022		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	.182	.156	.132	.156	.134	.114	.107	.092	.079	.061	.053	.046	.020	.017	.015	
2.0	.175	.132	.095	.150	.113	.082	.103	.078	.057	.059	.046	.034	.019	.015	.011	
3.0	.168	.114	.071	.144	.099	.062	.099	.069	.043	.057	.040	.026	.018	.013	.008	
4.0	.161	.101	.056	.138	.088	.048	.095	.061	.034	.055	.036	.020	.018	.012	.007	
5.0	.154	.091	.045	.132	.079	.039	.091	.055	.028	.053	.032	.016	.017	.011	.005	
6.0	.147	.083	.037	.126	.072	.032	.087	.050	.023	.050	.030	.014	.016	.010	.005	
7.0	.140	.076	.032	.120	.066	.028	.083	.046	.020	.048	.027	.012	.016	.009	.004	
8.0	.133	.070	.027	.114	.061	.024	.079	.043	.017	.046	.025	.010	.015	.008	.003	
9.0	.127	.065	.024	.109	.057	.021	.076	.040	.015	.044	.024	.009	.014	.008	.003	
10.0	.121	.061	.022	.104	.053	.019	.072	.037	.013	.042	.022	.008	.014	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-10-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.65V I:0.2247A P:50.646W PF:0.9815 Freq:49.99Hz Lamp Flux:6080.17x1 lm											
NAME: POD-W					TYPE:			WEIGHT:			
SPEC.:					DIM.: 607*100*38			SERIAL No.:			
MFR.:					SUR.:0.595*0.024			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	2H	24.7	26.3	25.0	26.5	26.7	25.2	26.8	25.4	27.0	27.2
	3H	26.8	28.3	27.1	28.5	28.8	26.9	28.4	27.2	28.7	28.9
	4H	27.6	29.1	28.0	29.3	29.6	27.7	29.1	28.0	29.4	29.7
	6H	28.4	29.7	28.7	30.0	30.3	28.3	29.6	28.6	29.9	30.2
	8H	28.7	30.0	29.0	30.2	30.5	28.5	29.8	28.8	30.1	30.4
	12H	28.9	30.1	29.2	30.4	30.7	28.6	29.9	29.0	30.2	30.5
4H	2H	25.3	26.7	25.6	27.0	27.3	25.7	27.1	26.0	27.3	27.6
	3H	27.6	28.8	27.9	29.1	29.4	27.5	28.8	27.9	29.1	29.4
	4H	28.6	29.8	29.0	30.1	30.4	28.4	29.5	28.8	29.9	30.2
	6H	29.5	30.5	29.9	30.9	31.3	29.1	30.1	29.5	30.5	30.9
	8H	29.9	30.8	30.3	31.2	31.6	29.4	30.3	29.8	30.7	31.1
	12H	30.1	31.0	30.6	31.4	31.8	29.6	30.5	30.0	30.9	31.3
8H	4H	28.9	29.9	29.3	30.2	30.6	28.7	29.7	29.1	30.0	30.4
	6H	30.0	30.8	30.4	31.2	31.6	29.6	30.4	30.0	30.8	31.2
	8H	30.5	31.2	30.9	31.6	32.0	29.9	30.6	30.4	31.0	31.5
	12H	30.9	31.5	31.4	31.9	32.4	30.2	30.8	30.7	31.3	31.8
12H	4H	28.9	29.8	29.3	30.2	30.6	28.7	29.6	29.2	30.0	30.4
	6H	30.1	30.8	30.5	31.2	31.6	29.7	30.4	30.1	30.8	31.2
	8H	30.6	31.2	31.1	31.6	32.1	30.1	30.7	30.5	31.1	31.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.2 / - 0.1					
1.5H	+ 0.1 / - 0.3					+ 0.4 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.6 / - 0.6					

CIE Pub.117, 6080 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.3$)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-10-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
 Humidity:65.0%
 Test Distance:11.700m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.65V I:0.2247A P:50.646W PF:0.9815 Freq:49.99Hz Lamp Flux:6080.17x1 lm		
NAME: POD-W	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

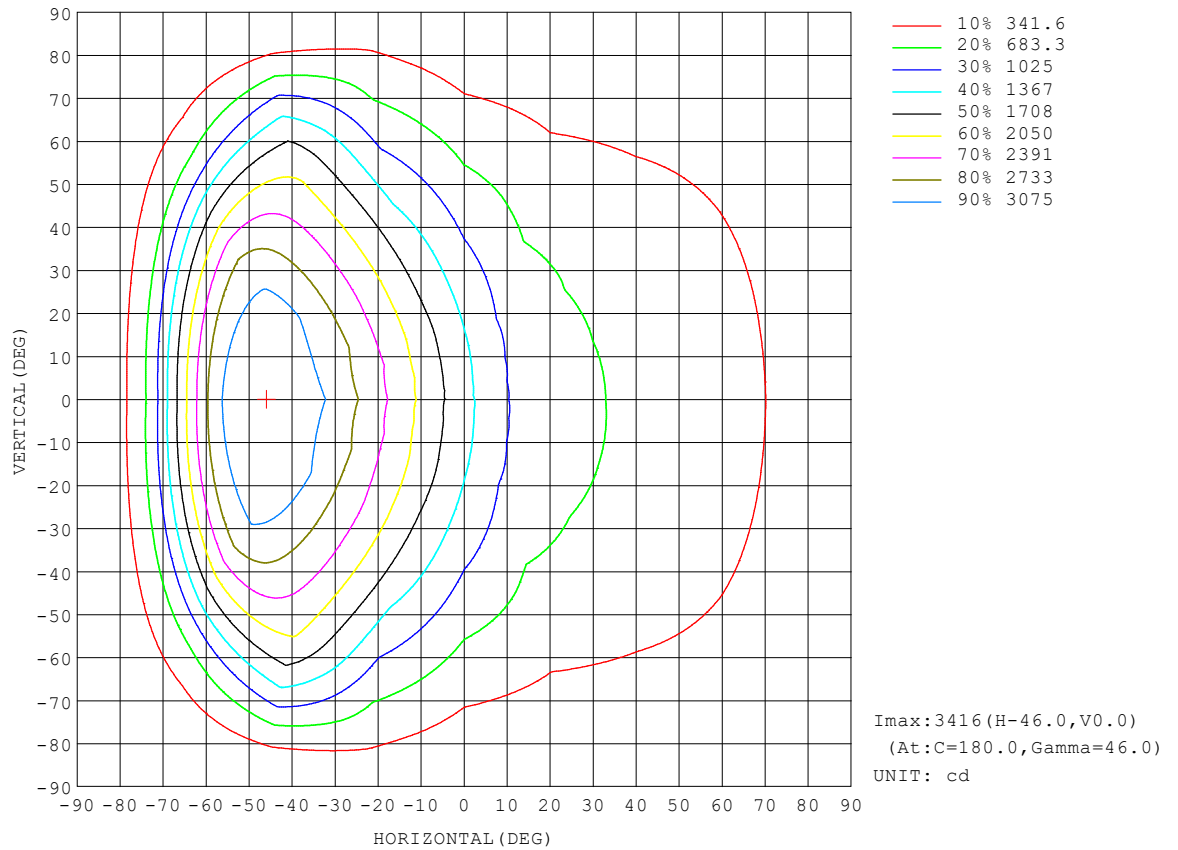
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	32	52	40	32	50	39	32	25
0.80	63	50	42	62	50	42	60	49	42	34
1.00	72	59	51	70	59	51	68	61	51	43
1.25	79	68	60	78	67	59	75	65	59	51
1.50	85	74	66	83	73	65	80	71	64	56
2.00	92	83	76	90	82	75	87	79	73	65
2.50	97	88	81	94	87	81	91	84	79	70
3.00	100	93	87	98	91	86	94	88	84	75
4.00	105	99	93	102	97	92	98	93	89	80
5.00	108	102	98	105	100	96	100	97	93	84
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-10-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 11.700m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:229.65V I:0.2247A P:50.646W PF:0.9815 Freq:49.99Hz Lamp Flux:6080.17x1 lm		
NAME: POD-W	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

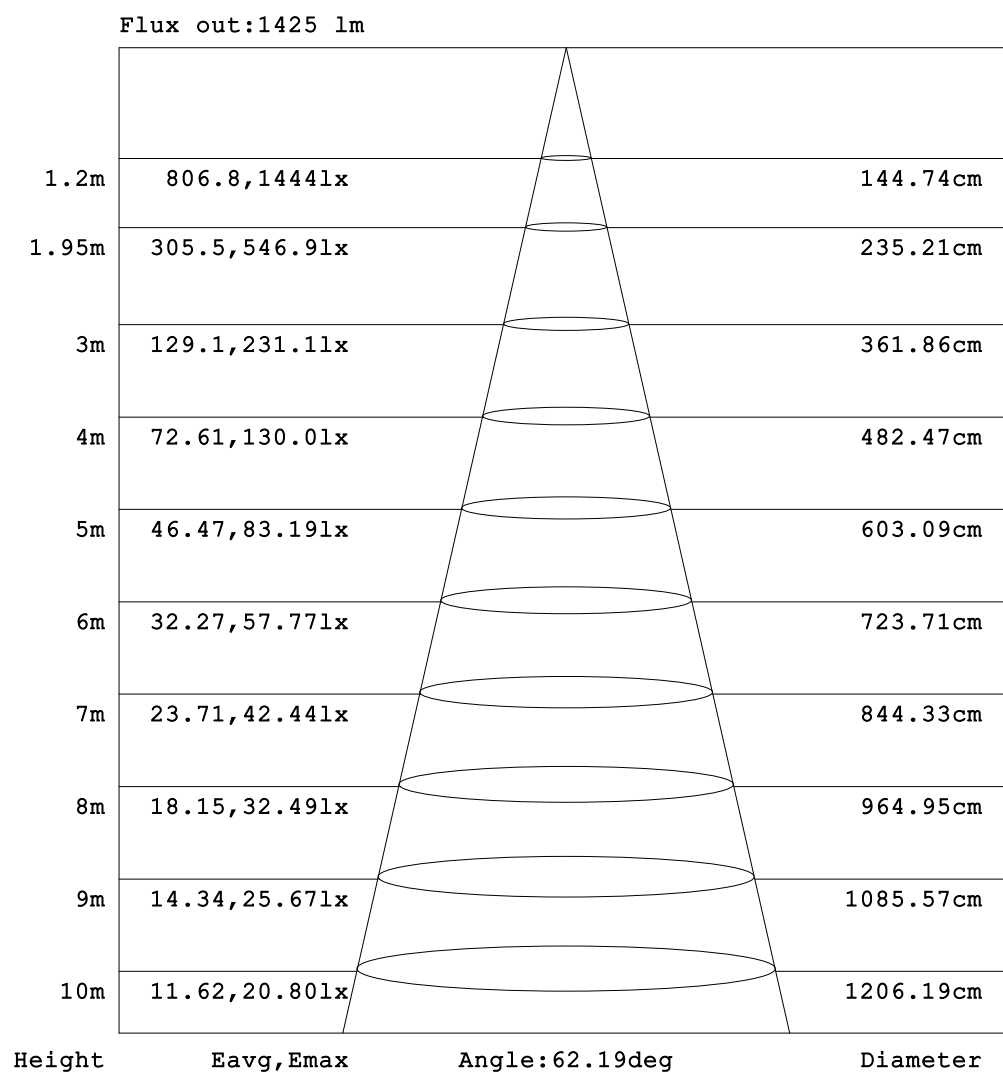


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=1.0000]
Remarks:

AAI Figure

Test:U:229.65V I:0.2247A P:50.646W PF:0.9815 Freq:49.99Hz Lamp Flux:6080.17x1 lm		
NAME: POD-W	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:



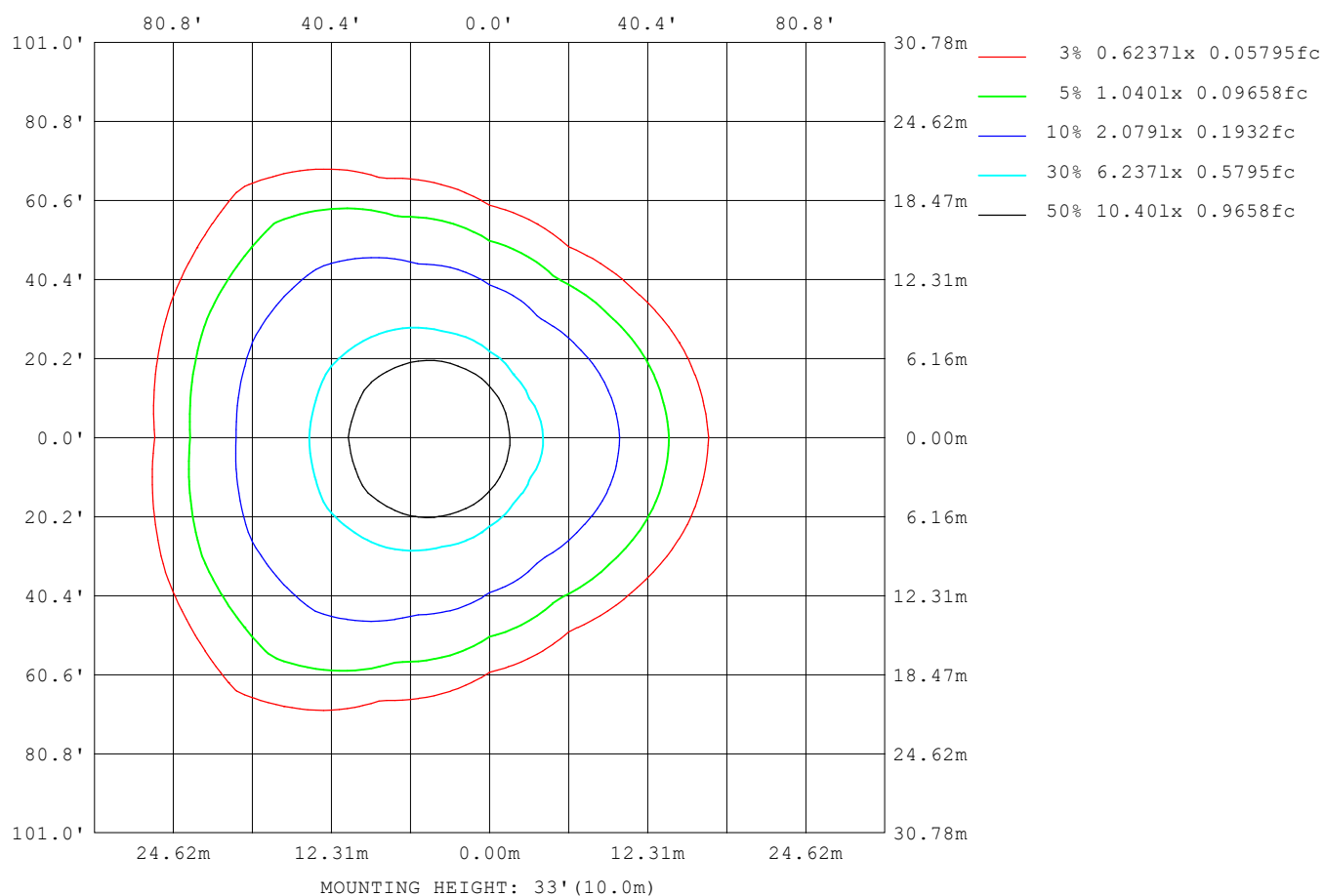
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025-10-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
 Humidity: 65.0%
 Test Distance: 11.700m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:229.65V I:0.2247A P:50.646W PF:0.9815 Freq:49.99Hz Lamp Flux:6080.17x1 lm		
NAME: POD-W	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:229.65V I:0.2247A P:50.646W PF:0.9815 Freq:49.99Hz Lamp Flux:6080.17x1 lm		
NAME: POD-W	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

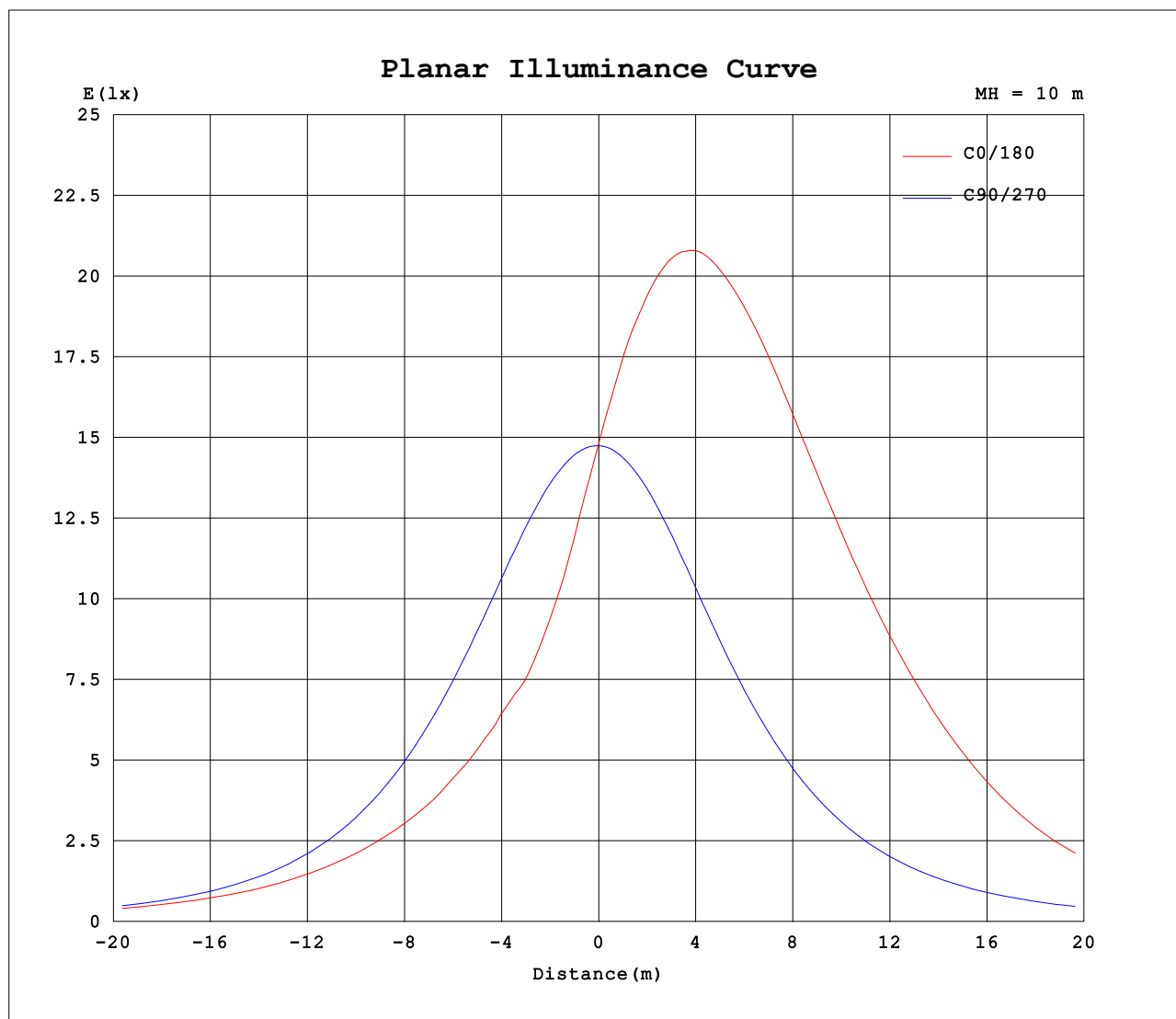
AvgL	cd/m2
L_0~180 (65) av	197784
L_0~180 (75) av	114204
L_0~180 (85) av	63702
L_90~270 (65) av	78584
L_90~270 (75) av	71634
L_90~270 (85) av	61038
L_45 (65) av	189246
L_45 (75) av	187374
L_45 (85) av	113565

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-28

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-10-28

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
Humidity: 65.0%
Test Distance: 11.700m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.65V I:0.2247A P:50.646W PF:0.9815 Freq:49.99Hz Lamp Flux:6080.17x1 lm		
NAME: POD-W	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=1.0000]
Remarks:

```