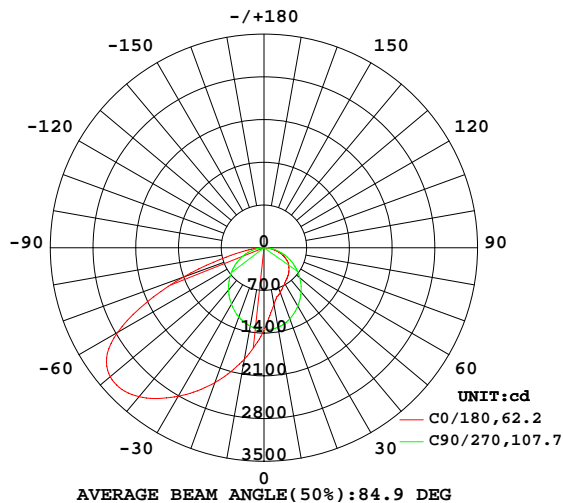


LUMINAIRE PHOTOMETRIC TEST REPORT

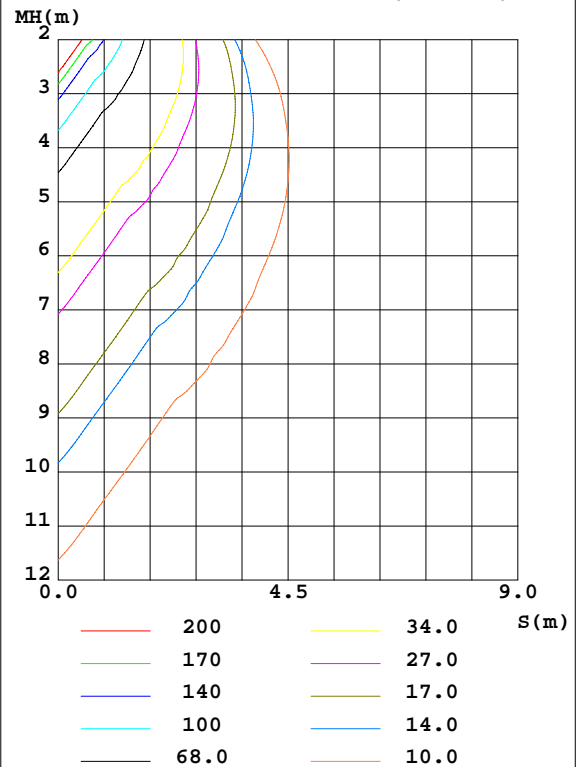
Test:U:229.60V I:0.2250A P:50.701W PF:0.9815 Freq:49.99Hz Lamp Flux:5885.04x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.: 607*100*38		SERIAL No.:	
MFR.:		SUR.:0.595*0.024		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.07 lm/W			
MODEL		Imax(cd)	3302	S/MH(C0/180)	2.47
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	5885.0	η UP,DN(C0-180)	0.0,44.9
NOMINAL FLUX(lm)	5885.04	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,55.1
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:2025-10-24

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:

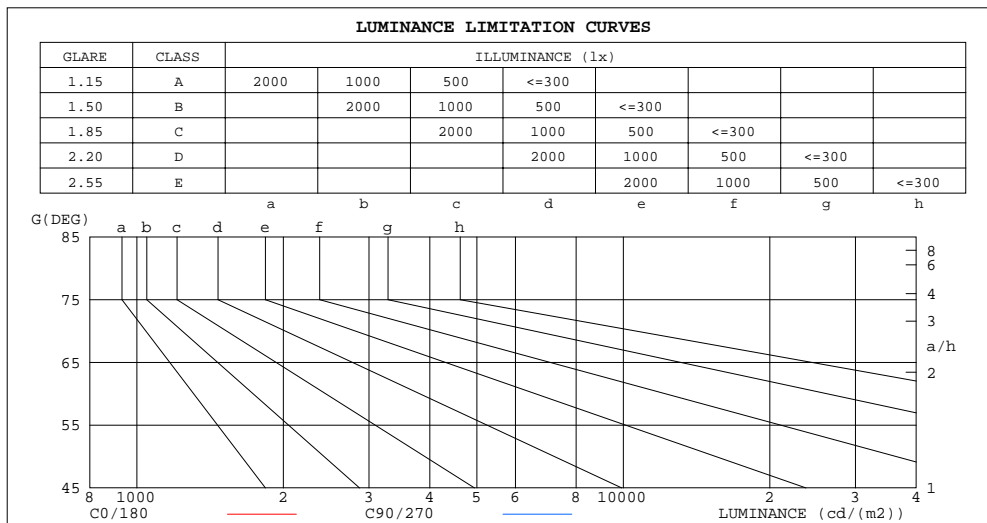
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	945.6	1030	1324	1675	1854	1661	1303	1019	0- 10	128.4	128.4	2.18,2.18
20	784.5	818.5	1241	1952	2351	1929	1208	808.9	10- 20	387.8	516.2	8.77,8.77
30	681.4	706.6	1106	2138	2809	2119	1069	703.1	20- 30	649.5	1166	19.8,19.8
40	608.7	601.0	946.9	2219	3184	2201	906.5	606.1	30- 40	887.3	2053	34.9,34.9
50	535.5	498.7	765.9	2186	3288	2163	725.2	503.3	40- 50	1067	3120	53,53
60	445.1	384.2	571.8	2033	2767	2004	534.3	391.8	50- 60	1122	4241	72.1,72.1
70	302.7	257.3	371.0	1594	1406	1635	338.8	266.0	60- 70	949.1	5191	88.2,88.2
80	137.5	117.7	168.4	701.0	349.9	787.6	149.4	120.6	70- 80	542.2	5733	97.4,97.4
90	22.56	17.91	14.16	18.06	13.36	19.89	11.62	17.07	80- 90	152.2	5885	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:2025-10-24

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:229.60V I:0.2250A P:50.701W PF:0.9815 Freq:49.99Hz Lamp Flux:5885.04x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	54814	62653
80	55461	67895
75	59597	72582
70	61973	75971
65	62731	78220
60	62336	80090
55	60461	81780
50	58335	83439
45	56961	85015

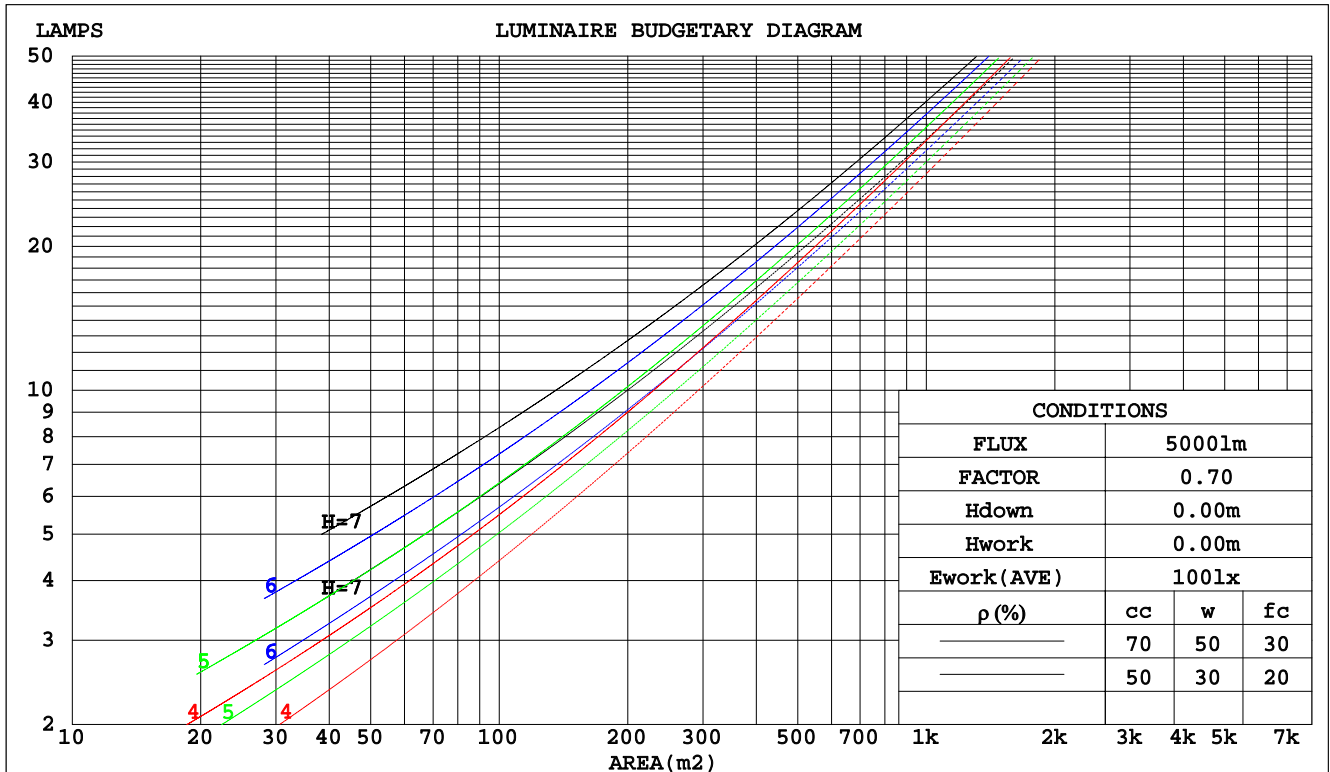
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-24

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:229.60V I:0.2250A P:50.701W PF:0.9815 Freq:49.99Hz Lamp Flux:5885.04x1 lm		
NAME:	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			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	1.02	.97	.93	.90	.95	.91	.95	.92	.88	.91	.88	.86	.88	.85	.83	.81
2.0	.87	.80	.73	.85	.78	.72	.82	.76	.71	.78	.73	.69	.75	.71	.67	.65
3.0	.75	.66	.59	.74	.65	.59	.71	.63	.58	.68	.62	.56	.65	.60	.55	.53
4.0	.66	.56	.49	.64	.55	.48	.62	.54	.48	.59	.53	.47	.57	.51	.46	.44
5.0	.58	.48	.41	.57	.48	.41	.55	.47	.40	.53	.45	.40	.51	.44	.39	.37
6.0	.52	.42	.35	.51	.42	.35	.49	.41	.35	.47	.40	.34	.45	.39	.34	.32
7.0	.46	.37	.30	.46	.37	.30	.44	.36	.30	.42	.35	.30	.41	.35	.30	.27
8.0	.42	.33	.27	.41	.33	.27	.40	.32	.26	.39	.31	.26	.37	.31	.26	.24
9.0	.38	.30	.24	.38	.29	.24	.36	.29	.23	.35	.28	.23	.34	.28	.23	.21
10.0	.35	.27	.21	.35	.27	.21	.34	.26	.21	.33	.26	.21	.32	.25	.21	.19



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-24

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:229.60V I:0.2250A P:50.701W PF:0.9815 Freq:49.99Hz Lamp Flux:5885.04x1 lm								
NAME:			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	.345	.196	.062	.338	.193	.061	.324	.186	.059	.312	.180	.058	.301	.174	.056	
2.0	.322	.176	.054	.316	.174	.054	.304	.169	.052	.293	.164	.051	.282	.160	.050	
3.0	.296	.157	.047	.290	.155	.047	.279	.151	.046	.269	.148	.045	.260	.144	.045	
4.0	.271	.141	.041	.266	.139	.041	.256	.136	.041	.247	.133	.040	.239	.130	.040	
5.0	.248	.127	.037	.244	.125	.036	.236	.123	.036	.228	.120	.036	.220	.118	.035	
6.0	.229	.115	.033	.225	.114	.033	.218	.111	.032	.210	.109	.032	.204	.107	.032	
7.0	.212	.105	.030	.208	.104	.030	.202	.102	.029	.195	.100	.029	.190	.098	.029	
8.0	.197	.096	.027	.194	.095	.027	.188	.094	.027	.182	.092	.027	.177	.091	.026	
9.0	.184	.089	.025	.181	.088	.025	.176	.087	.025	.171	.085	.024	.166	.084	.024	
10.0	.172	.083	.023	.170	.082	.023	.165	.081	.023	.160	.080	.023	.156	.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	.183	.156	.132	.156	.134	.113	.107	.092	.078	.062	.053	.046	.020	.017	.015	
2.0	.176	.132	.094	.151	.113	.082	.103	.078	.057	.060	.046	.033	.019	.015	.011	
3.0	.169	.114	.071	.145	.099	.061	.100	.069	.043	.058	.040	.025	.019	.013	.008	
4.0	.162	.101	.055	.139	.088	.048	.096	.061	.034	.055	.036	.020	.018	.012	.007	
5.0	.155	.091	.044	.133	.079	.039	.092	.055	.027	.053	.032	.016	.017	.011	.005	
6.0	.147	.083	.037	.127	.072	.032	.087	.050	.023	.051	.030	.014	.016	.010	.004	
7.0	.140	.076	.031	.121	.066	.027	.083	.046	.019	.048	.027	.012	.016	.009	.004	
8.0	.134	.071	.027	.115	.061	.024	.080	.043	.017	.046	.025	.010	.015	.008	.003	
9.0	.127	.066	.024	.110	.057	.021	.076	.040	.015	.044	.024	.009	.014	.008	.003	
10.0	.121	.061	.021	.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:2025-10-24

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:229.60V I:0.2250A P:50.701W PF:0.9815 Freq:49.99Hz Lamp Flux:5885.04x1 lm											
NAME:			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	24.2	25.9	24.5	26.1	26.3	24.8	26.5	25.1	26.7	26.9
	3H	26.1	27.7	26.5	27.9	28.2	26.7	28.2	27.0	28.4	28.7
	4H	26.9	28.4	27.2	28.6	28.9	27.5	28.9	27.8	29.2	29.4
	6H	27.5	28.9	27.8	29.2	29.4	28.1	29.5	28.4	29.7	30.0
	8H	27.7	29.0	28.0	29.3	29.6	28.3	29.7	28.7	29.9	30.2
	12H	27.8	29.1	28.2	29.4	29.7	28.5	29.8	28.8	30.1	30.4
4H	2H	24.8	26.3	25.1	26.5	26.8	25.3	26.7	25.6	27.0	27.3
	3H	26.9	28.2	27.3	28.5	28.8	27.2	28.5	27.5	28.8	29.1
	4H	27.8	29.0	28.2	29.3	29.7	28.1	29.2	28.4	29.6	29.9
	6H	28.5	29.6	28.9	29.9	30.3	28.8	29.8	29.2	30.2	30.6
	8H	28.8	29.8	29.2	30.1	30.5	29.1	30.1	29.5	30.4	30.8
	12H	29.0	29.9	29.4	30.3	30.7	29.3	30.2	29.8	30.6	31.0
8H	4H	28.1	29.0	28.5	29.4	29.8	28.3	29.3	28.7	29.6	30.0
	6H	29.0	29.8	29.4	30.2	30.6	29.1	29.9	29.6	30.4	30.8
	8H	29.3	30.0	29.8	30.5	30.9	29.5	30.2	30.0	30.6	31.1
	12H	29.6	30.2	30.1	30.7	31.2	29.8	30.4	30.3	30.9	31.4
12H	4H	28.1	29.0	28.5	29.4	29.8	28.3	29.2	28.7	29.6	30.0
	6H	29.0	29.7	29.5	30.2	30.6	29.2	29.9	29.7	30.3	30.8
	8H	29.4	30.0	29.9	30.5	31.0	29.6	30.2	30.1	30.7	31.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.2 / - 0.1					
1.5H	+ 0.1 / - 0.2					+ 0.5 / - 0.4					
2.0H	+ 0.2 / - 0.3					+ 0.8 / - 0.7					

CIE Pub.117, 5885 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.2$)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-10-24

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:

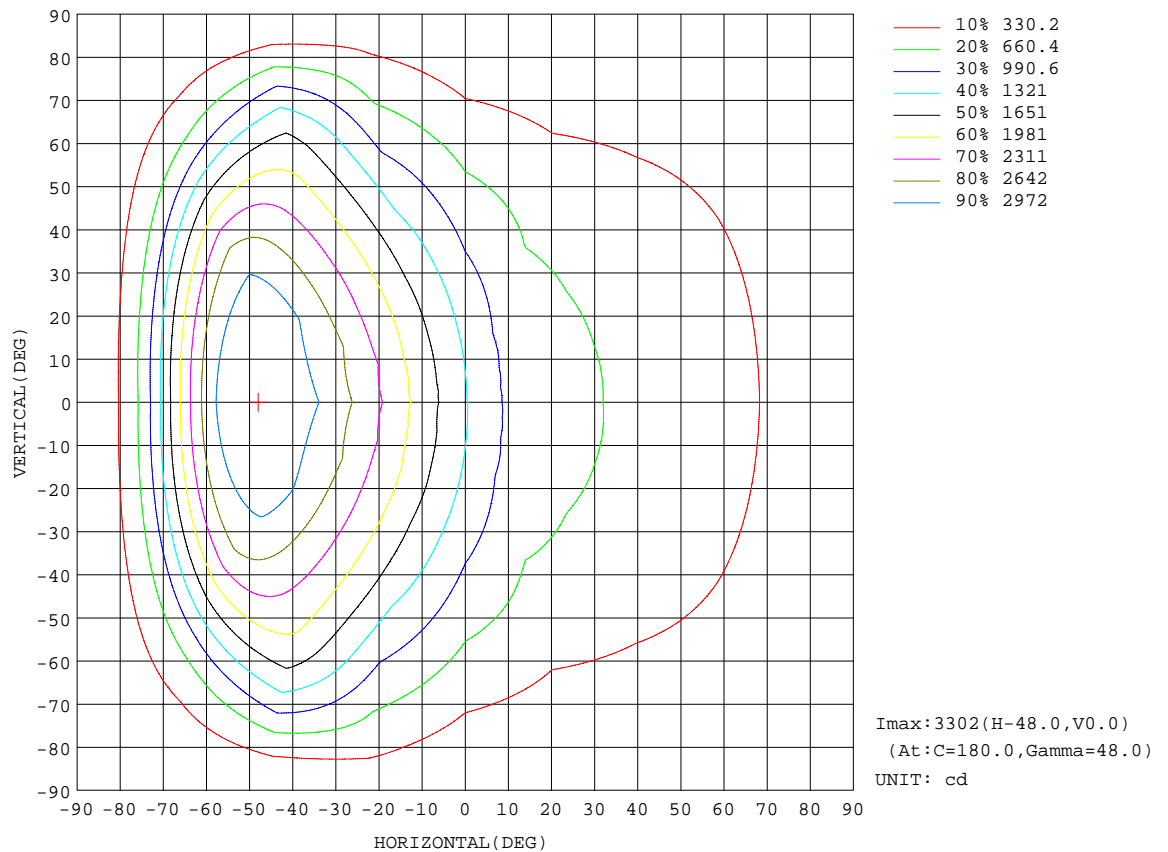
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.406.10
Humidity:65.0%
Test Distance:11.700m [K=1.0000]
Remarks:

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ISOCANDELA DIAGRAM

Test:U:229.60V I:0.2250A P:50.701W PF:0.9815 Freq:49.99Hz Lamp Flux:5885.04x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

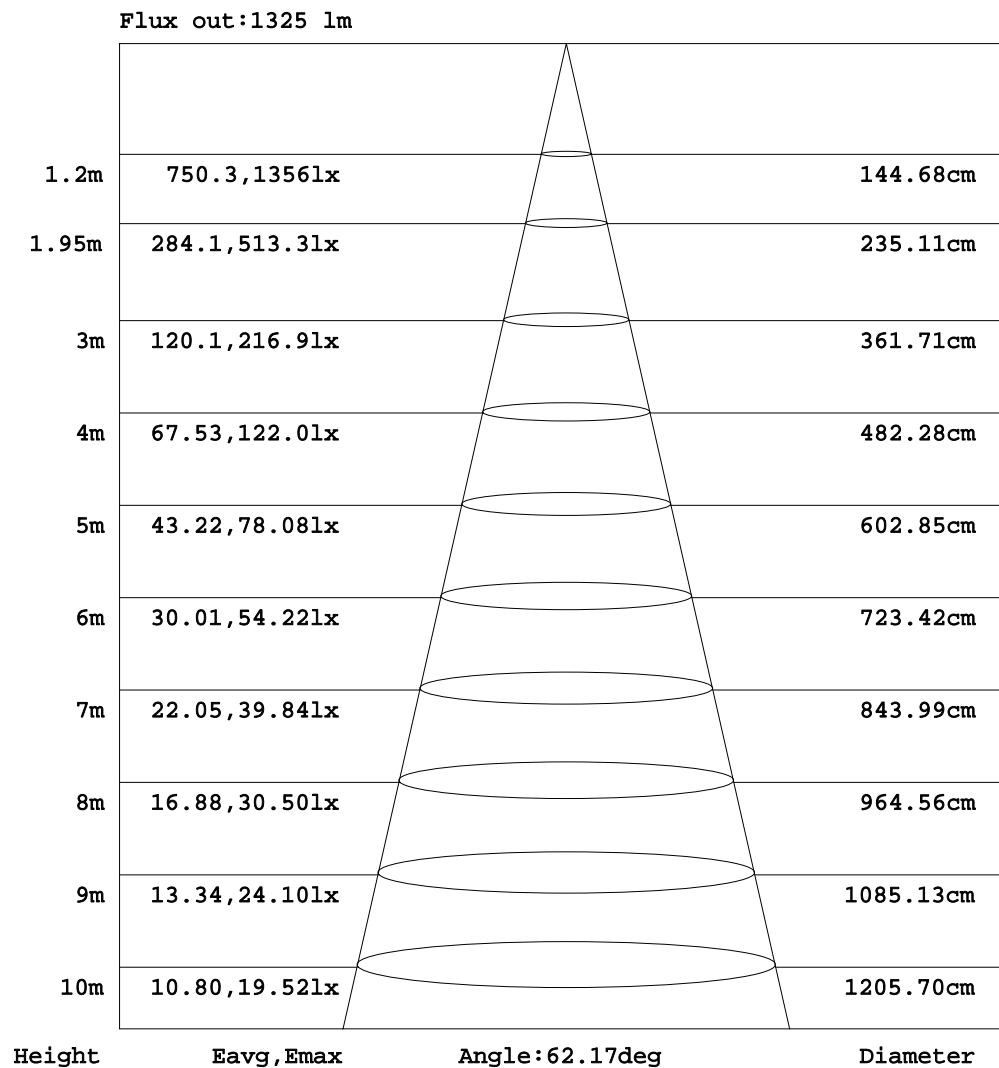


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-24

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:229.60V I:0.2250A P:50.701W PF:0.9815 Freq:49.99Hz Lamp Flux:5885.04x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:



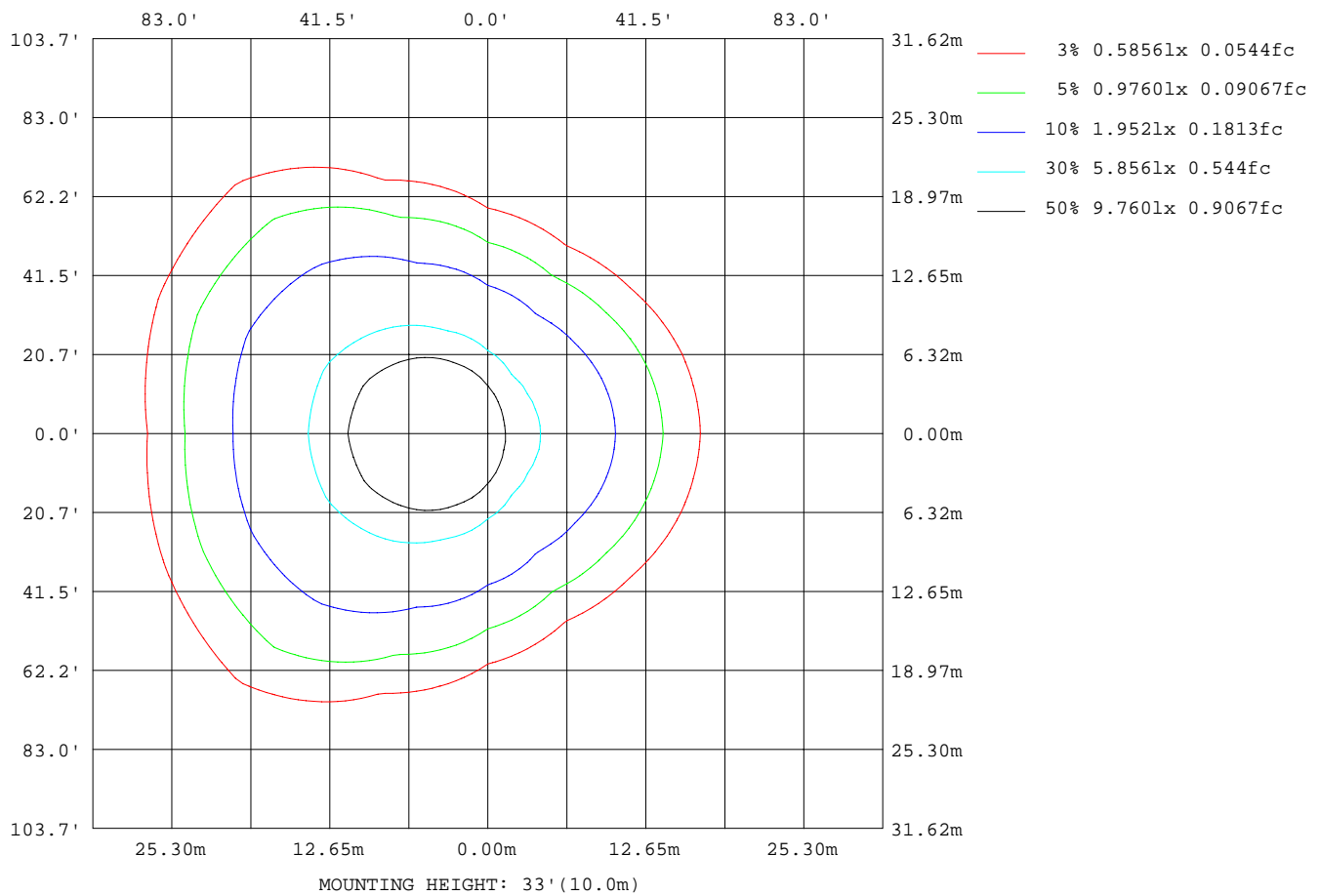
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-10-24

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:229.60V I:0.2250A P:50.701W PF:0.9815 Freq:49.99Hz Lamp Flux:5885.04x1 lm		
NAME:	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: 2025-10-24

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:229.60V I:0.2250A P:50.701W PF:0.9815 Freq:49.99Hz Lamp Flux:5885.04x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

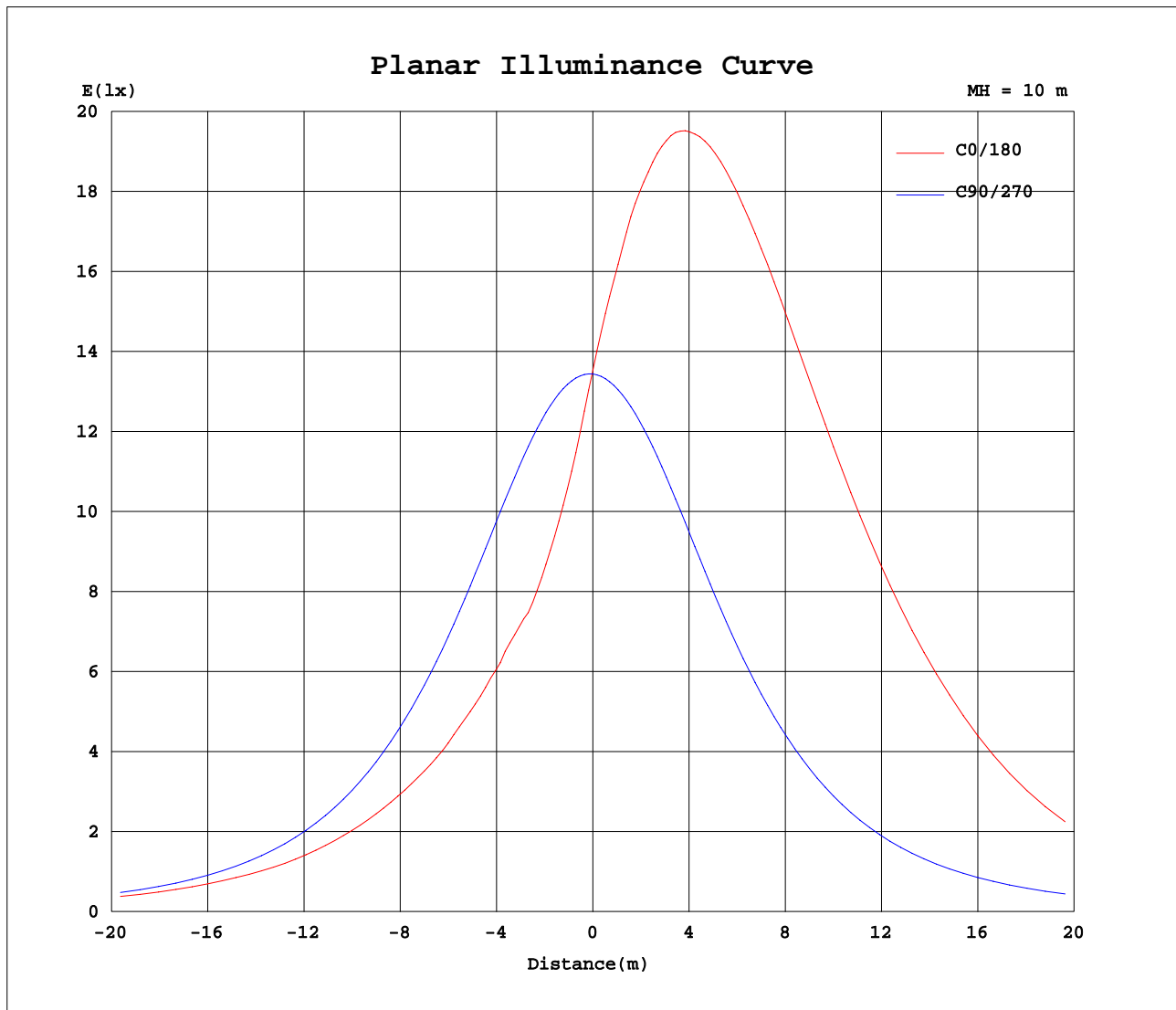
AvgL	cd/m2
L_0~180(65)av	207688
L_0~180(75)av	130478
L_0~180(85)av	82270
L_90~270(65)av	75200
L_90~270(75)av	69053
L_90~270(85)av	58214
L_45(65)av	182878
L_45(75)av	192306
L_45(85)av	144893

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-24

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: 2025-10-24

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:

```

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:

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