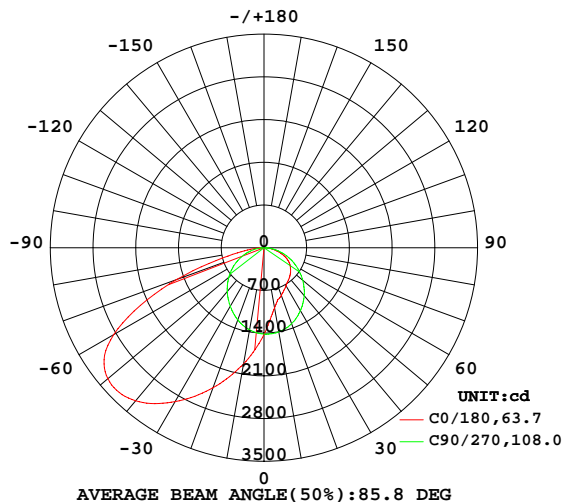


LUMINAIRE PHOTOMETRIC TEST REPORT

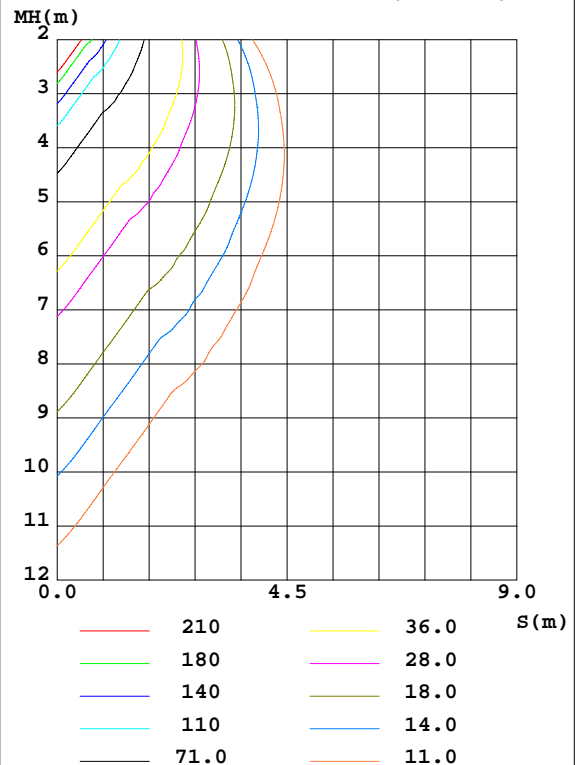
Test:U:229.61V I:0.2270A P:51.191W PF:0.9820 Freq:49.99Hz Lamp Flux:6154.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.23 lm/W			
MODEL		Imax(cd)	3362	S/MH(C0/180)	2.45
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	6154.6	η UP,DN(C0-180)	0.0,46.1
NOMINAL FLUX(lm)	6154.58	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,53.9
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:

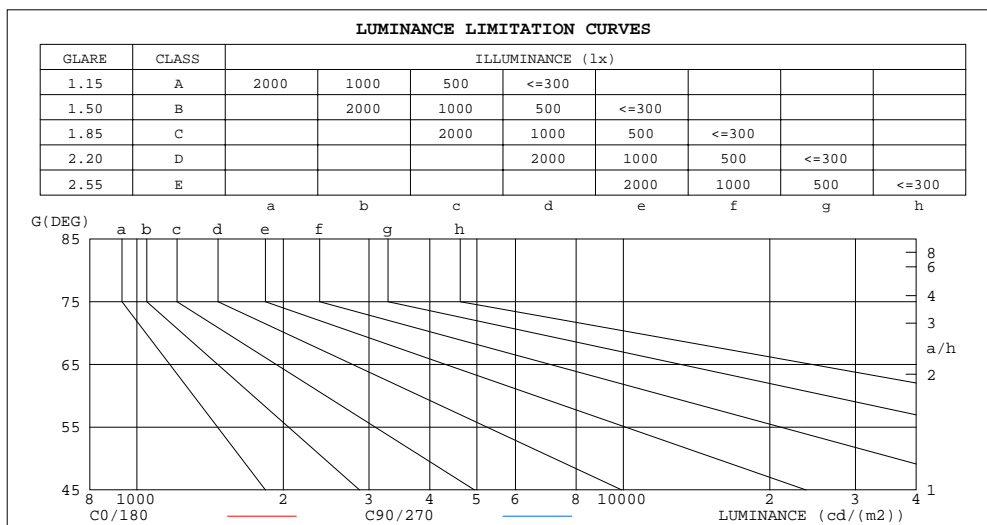
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	1002	1091	1401	1765	1934	1736	1367	1073	0- 10	135.2	135.2	2.2,2.2
20	835.4	874.3	1325	2065	2441	1994	1258	854.8	10- 20	407.4	542.6	8.82,8.82
30	724.4	760.4	1193	2285	2910	2163	1107	741.9	20- 30	681.7	1224	19.9,19.9
40	646.4	645.6	1025	2401	3273	2221	937.8	636.9	30- 40	929.9	2154	35,35
50	570.3	536.8	828.4	2384	3340	2157	752.8	531.4	40- 50	1112	3267	53.1,53.1
60	474.4	414.0	615.9	2210	2840	1973	558.1	409.9	50- 60	1165	4431	72,72
70	324.8	279.1	397.5	1723	1516	1598	355.0	278.5	60- 70	990.4	5422	88.1,88.1
80	146.6	127.0	179.9	767.2	381.6	783.6	157.2	126.4	70- 80	572.8	5994	97.4,97.4
90	21.31	17.63	15.66	18.54	12.70	19.51	11.88	17.74	80- 90	160.1	6155	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:229.61V I:0.2270A P:51.191W PF:0.9820 Freq:49.99Hz Lamp Flux:6154.58x1 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	56739	67202
80	59120	72547
75	63892	77836
70	66506	81380
65	67193	84029
60	66441	86266
55	64346	88306
50	62131	90245
45	60563	92054

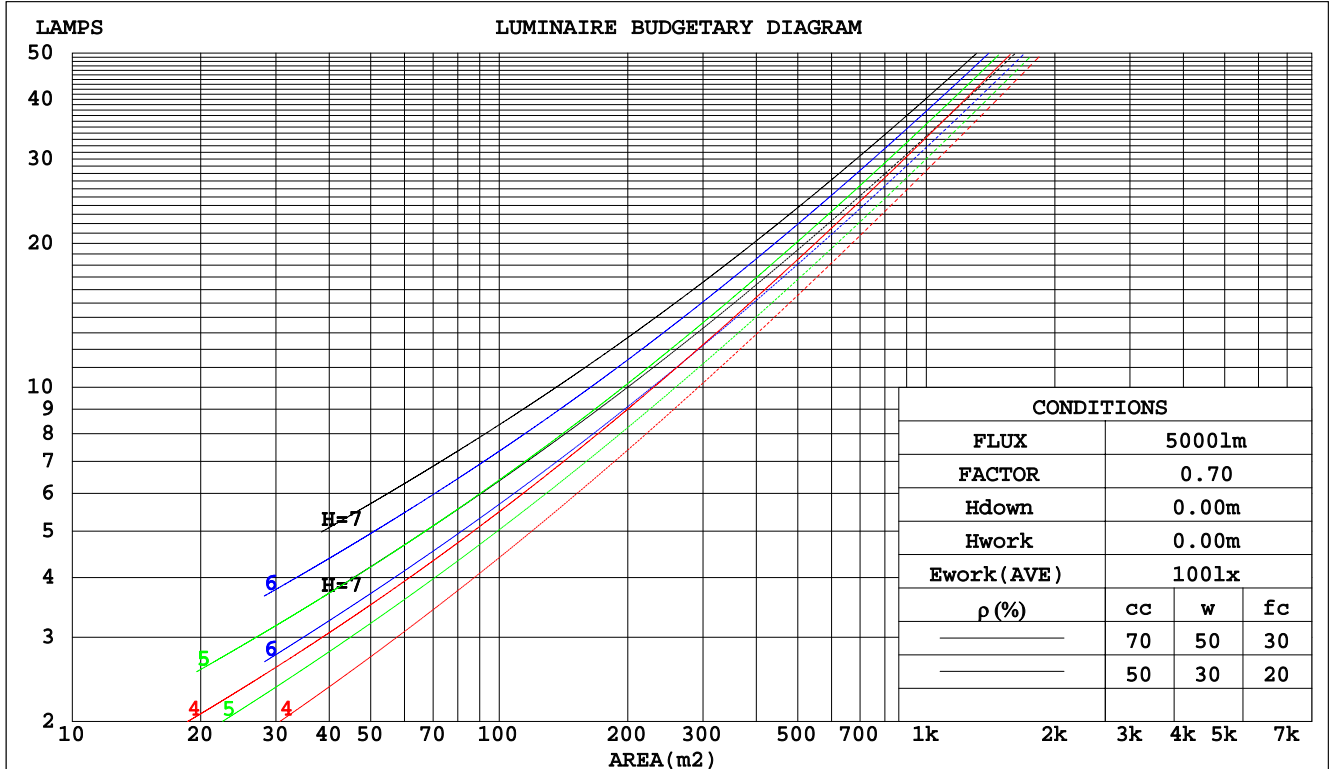
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-24

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:229.61V I:0.2270A P:51.191W PF:0.9820 Freq:49.99Hz Lamp Flux:6154.58x1 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	.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	.43	.35	.30	.41	.35	.30	.27
8.0	.42	.33	.27	.41	.33	.27	.40	.32	.26	.39	.32	.26	.37	.31	.26	.24
9.0	.38	.30	.24	.38	.29	.24	.37	.29	.24	.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:229.61V I:0.2270A P:51.191W PF:0.9820 Freq:49.99Hz Lamp Flux:6154.58x1 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	.325	.186	.059	.312	.180	.058	.301	.174	.056	
2.0	.322	.177	.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	.235	.123	.036	.228	.120	.036	.220	.118	.035	
6.0	.229	.115	.033	.225	.114	.033	.217	.111	.032	.210	.109	.032	.204	.107	.032	
7.0	.212	.105	.030	.208	.104	.030	.202	.102	.029	.195	.100	.029	.189	.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	.170	.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	.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:2025-10-24

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:229.61V I:0.2270A P:51.191W PF:0.9820 Freq:49.99Hz Lamp Flux:6154.58x1 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	24.6	26.2	24.9	26.4	26.7	25.2	26.9	25.5	27.1	27.3
	3H	26.5	28.0	26.8	28.3	28.5	27.0	28.6	27.3	28.8	29.0
	4H	27.3	28.7	27.6	29.0	29.3	27.8	29.3	28.1	29.5	29.8
	6H	27.9	29.2	28.2	29.5	29.8	28.4	29.8	28.8	30.1	30.4
	8H	28.0	29.4	28.4	29.7	30.0	28.7	30.0	29.0	30.3	30.6
	12H	28.2	29.5	28.5	29.8	30.1	28.8	30.1	29.2	30.4	30.7
4H	2H	25.2	26.6	25.5	26.9	27.1	25.6	27.1	26.0	27.4	27.6
	3H	27.3	28.5	27.6	28.8	29.2	27.5	28.8	27.9	29.1	29.4
	4H	28.2	29.4	28.6	29.7	30.0	28.4	29.6	28.8	29.9	30.2
	6H	28.9	30.0	29.3	30.3	30.7	29.1	30.2	29.5	30.5	30.9
	8H	29.2	30.1	29.6	30.5	30.9	29.4	30.4	29.9	30.8	31.2
	12H	29.3	30.2	29.8	30.6	31.0	29.7	30.6	30.1	31.0	31.4
8H	4H	28.4	29.4	28.9	29.8	30.2	28.6	29.6	29.1	30.0	30.4
	6H	29.3	30.1	29.8	30.5	31.0	29.5	30.3	29.9	30.7	31.1
	8H	29.7	30.4	30.1	30.8	31.3	29.8	30.6	30.3	31.0	31.4
	12H	30.0	30.6	30.4	31.0	31.5	30.1	30.8	30.6	31.2	31.7
12H	4H	28.4	29.3	28.9	29.7	30.1	28.7	29.6	29.1	29.9	30.3
	6H	29.4	30.1	29.8	30.5	31.0	29.5	30.3	30.0	30.7	31.1
	8H	29.8	30.4	30.2	30.8	31.3	29.9	30.6	30.4	31.0	31.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.2 / - 0.1					
1.5H	+ 0.1 / - 0.3					+ 0.5 / - 0.4					
2.0H	+ 0.2 / - 0.3					+ 0.8 / - 0.7					

CIE Pub.117, 6155 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: 2025-10-24

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:

UTILIZATION FACTORS TABLE

Test:U:229.61V I:0.2270A P:51.191W PF:0.9820 Freq:49.99Hz Lamp Flux:6154.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

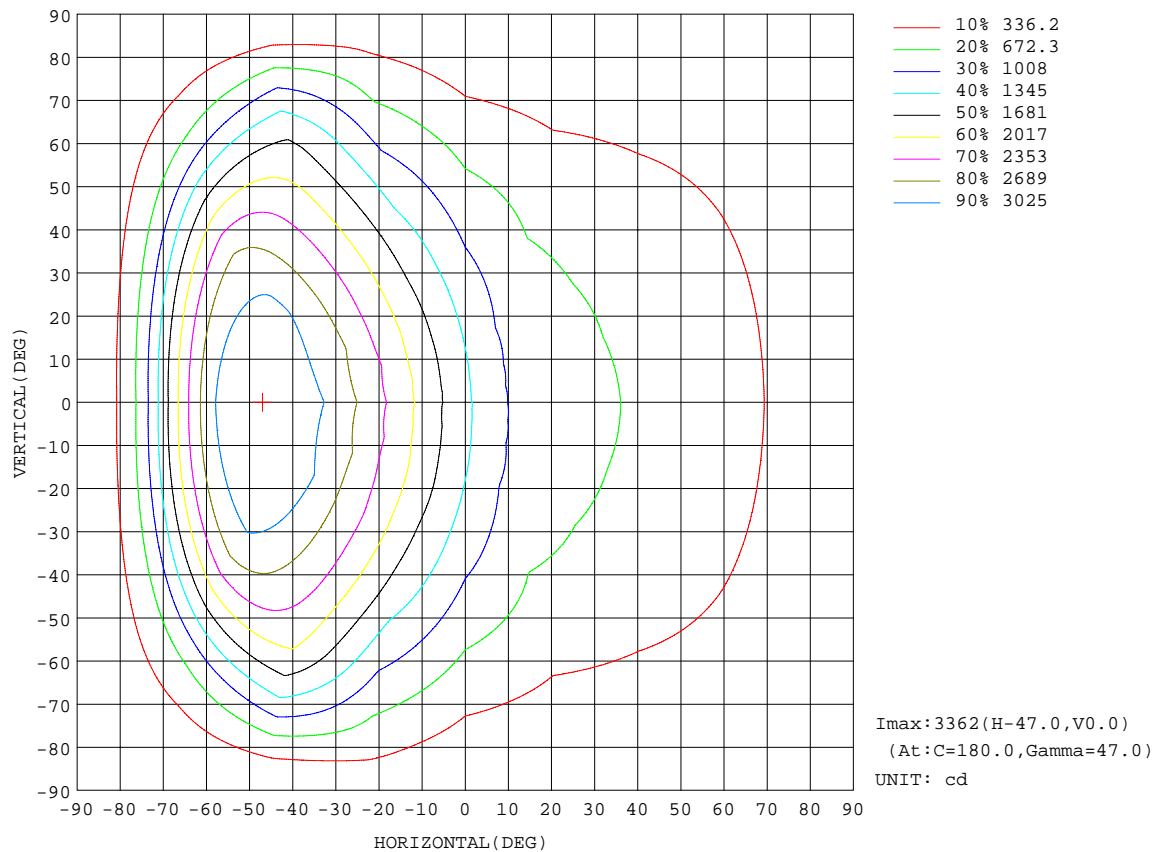
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	39	32	51	39	32	50	39	31	25
0.80	62	49	41	61	49	41	59	48	41	33
1.00	71	59	50	70	58	50	67	60	50	42
1.25	78	67	59	77	66	58	74	64	58	49
1.50	84	73	65	82	72	64	79	70	63	55
2.00	92	82	75	90	81	74	86	78	72	64
2.50	96	87	80	94	86	80	90	83	78	69
3.00	100	92	86	98	91	85	93	88	83	74
4.00	104	98	93	102	96	91	98	93	89	79
5.00	107	102	97	105	100	96	100	96	93	83
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:2025-10-24

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:

ISOCANDELA DIAGRAM

Test:U:229.61V I:0.2270A P:51.191W PF:0.9820 Freq:49.99Hz Lamp Flux:6154.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

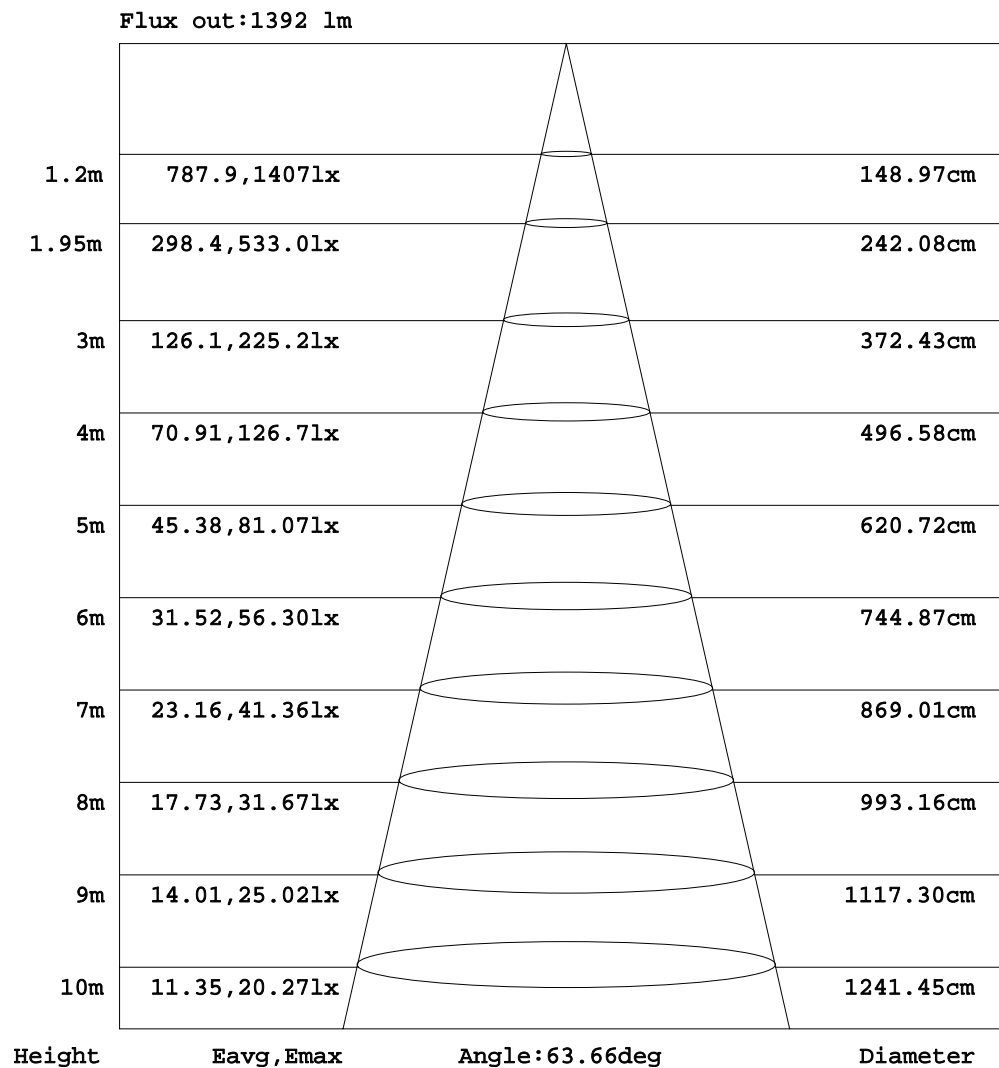


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-24

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:229.61V I:0.2270A P:51.191W PF:0.9820 Freq:49.99Hz Lamp Flux:6154.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:



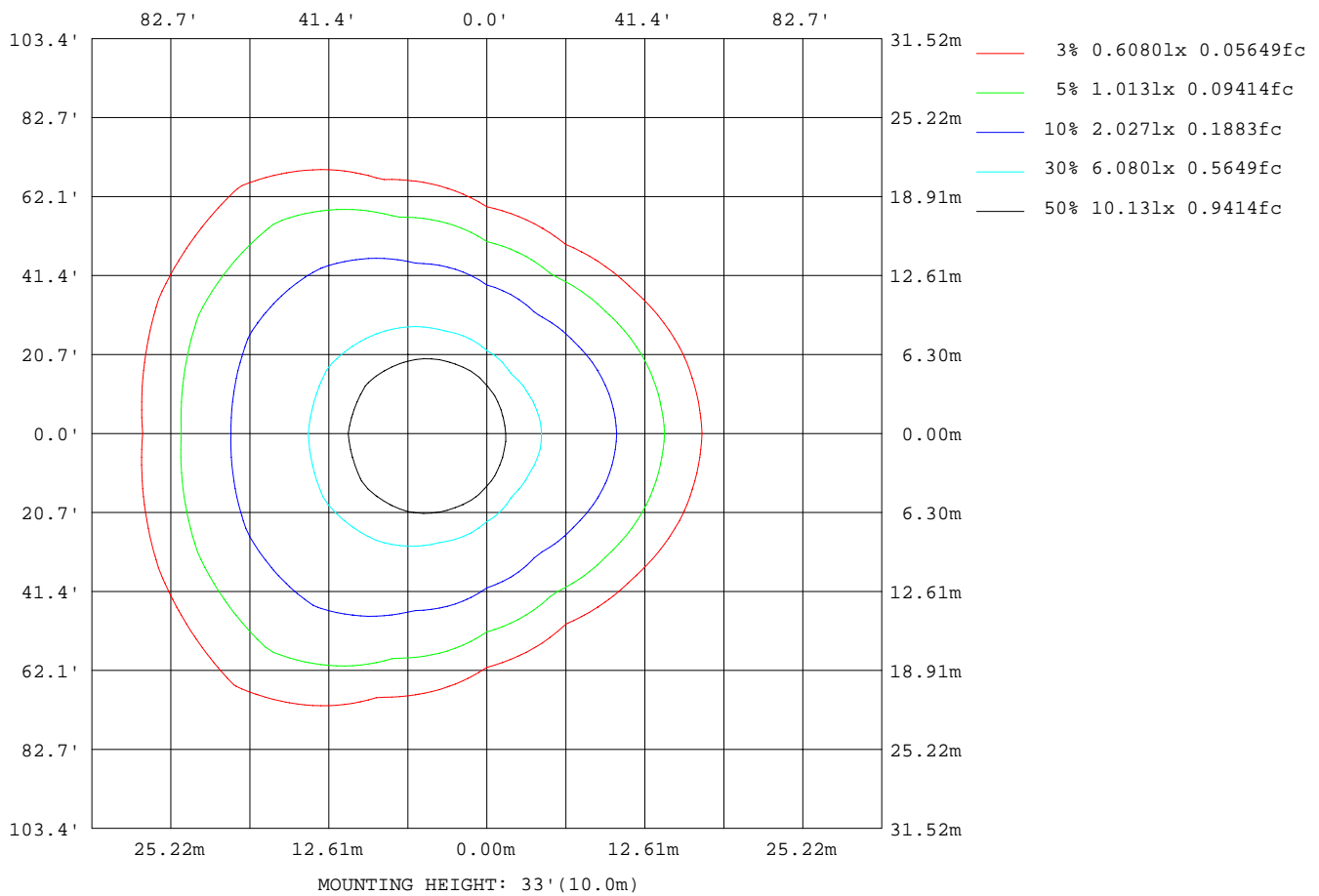
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:229.61V I:0.2270A P:51.191W PF:0.9820 Freq:49.99Hz Lamp Flux:6154.58x1 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:229.61V I:0.2270A P:51.191W PF:0.9820 Freq:49.99Hz Lamp Flux:6154.58x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.: 607*100*38	SERIAL No.:
MFR.:	SUR.:0.595*0.024	Shielding Angle:

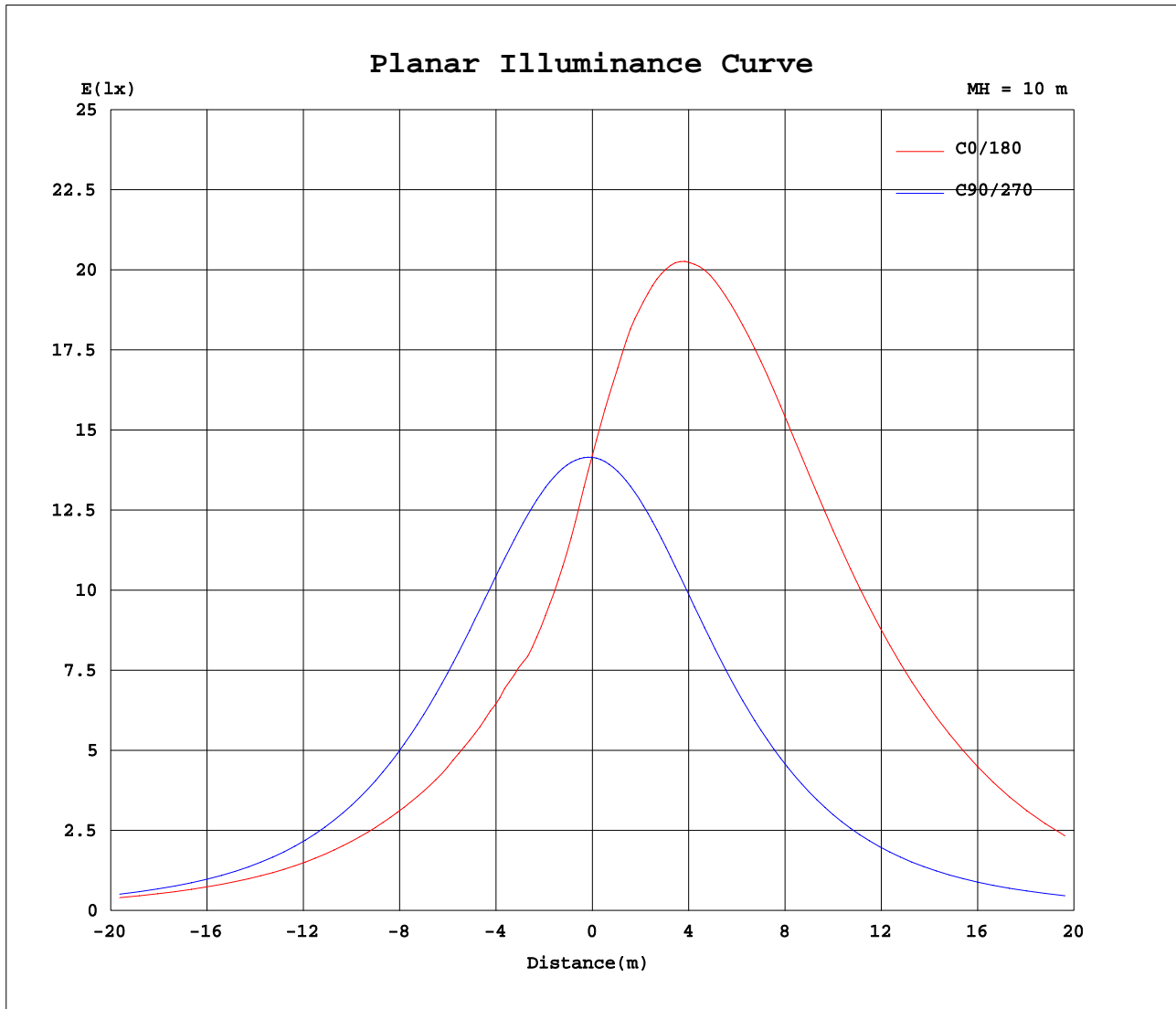
AvgL	cd/m2
L_0~180(65)av	218698
L_0~180(75)av	141986
L_0~180(85)av	86688
L_90~270(65)av	79757
L_90~270(75)av	73345
L_90~270(85)av	61763
L_45(65)av	189525
L_45(75)av	199517
L_45(85)av	151135

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:

```