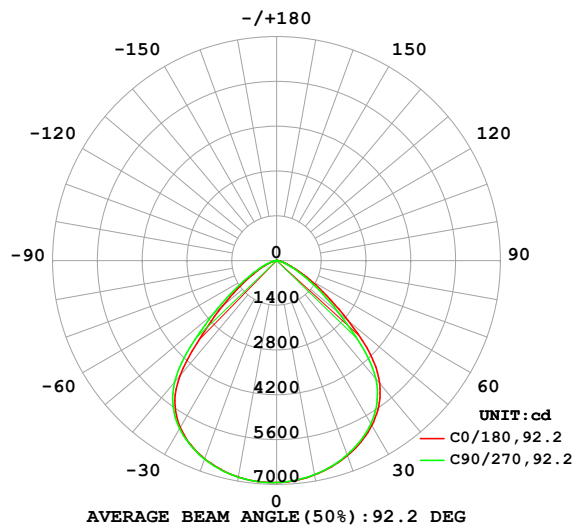


LUMINAIRE PHOTOMETRIC TEST REPORT

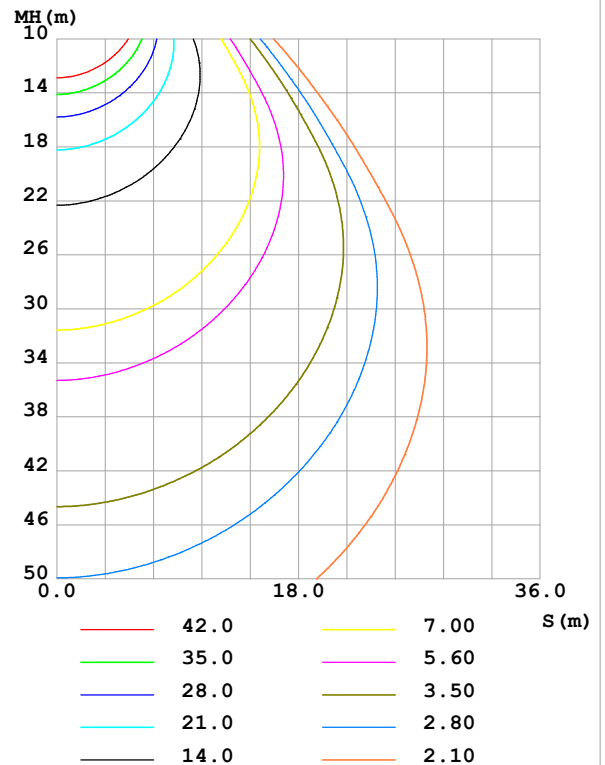
Test:U:230.06V I:0.454A P:98.96W PF:0.947 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14006.3x1 lm		
NAME: H1001P		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.53 lm/W			
MODEL	2835	I _{max} (cd)	6944	S/MH (C0/180)	1.27
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	14006	η UP, DN (C0-180)	0.0, 50.1
NOMINAL FLUX (lm)	14006.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.9
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	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: 28 °C
Operators: Li
Test Date: 2025-12-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity: 75%
Test Distance: 8.458m [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	6803	6783	6795	6831	6871	6890	6877	6841	0- 10	657.4	657.4	4.69, 4.69
20	6485	6448	6461	6519	6592	6624	6602	6542	10- 20	1895	2553	18.2, 18.2
30	5953	5902	5894	5942	6024	6080	6064	6008	20- 30	2901	5454	38.9, 38.9
40	5014	4940	4823	4714	4706	4874	4967	5005	30- 40	3449	8903	63.6, 63.6
50	2912	2840	2519	2078	2213	2303	2575	2609	40- 50	2858	11760	84, 84
60	1203	1135	1011	650.3	842.7	914.7	1004	875.4	50- 60	1459	13219	94.4, 94.4
70	397.6	372.7	331.9	218.5	268.6	298.0	332.6	274.8	60- 70	591.2	13810	98.6, 98.6
80	82.33	73.57	48.94	30.38	26.52	32.84	49.74	60.79	70- 80	178.2	13988	99.9, 99.9
90	6.157	6.244	6.544	6.667	6.527	6.452	5.989	5.104	80- 90	17.83	14006	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		

Conical surface Flux(90deg): 10512 lm

%lum = 75.1%

%lamp = 75.1%

Conical surface Flux(130deg): 13589 lm

%lum = 97.0%

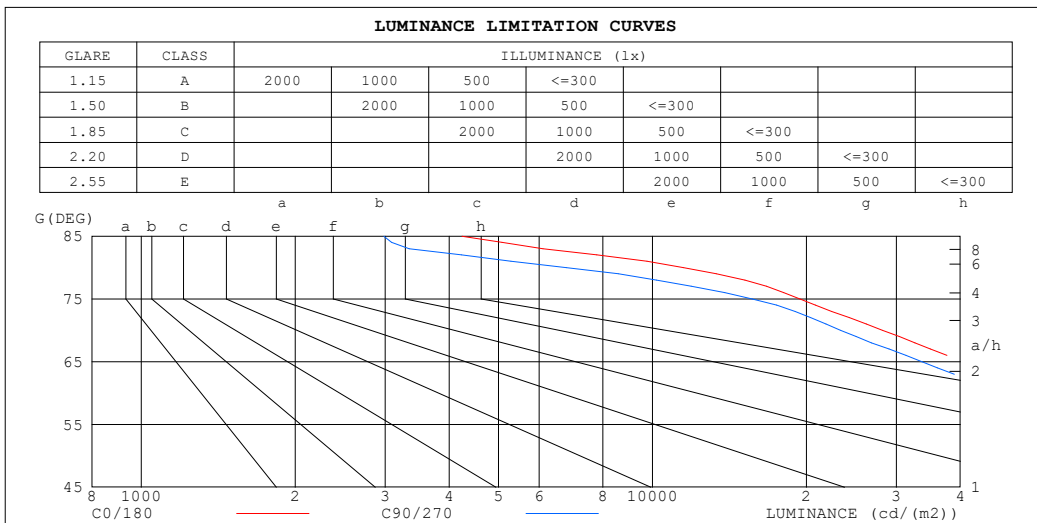
%lamp = 97.0%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28℃
 Operators: Li
 Test Date: 2025-12-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity: 75%
 Test Distance: 8.458m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.06V I:0.454A P:98.96W PF:0.947 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14006.3x1 lm		
NAME: H1001P		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4238	2983
80	11494	6782
75	19427	15677
70	28177	23353
65	40360	33676
60	58330	48675
55	80923	68640
50	109814	94305
45	142284	127205

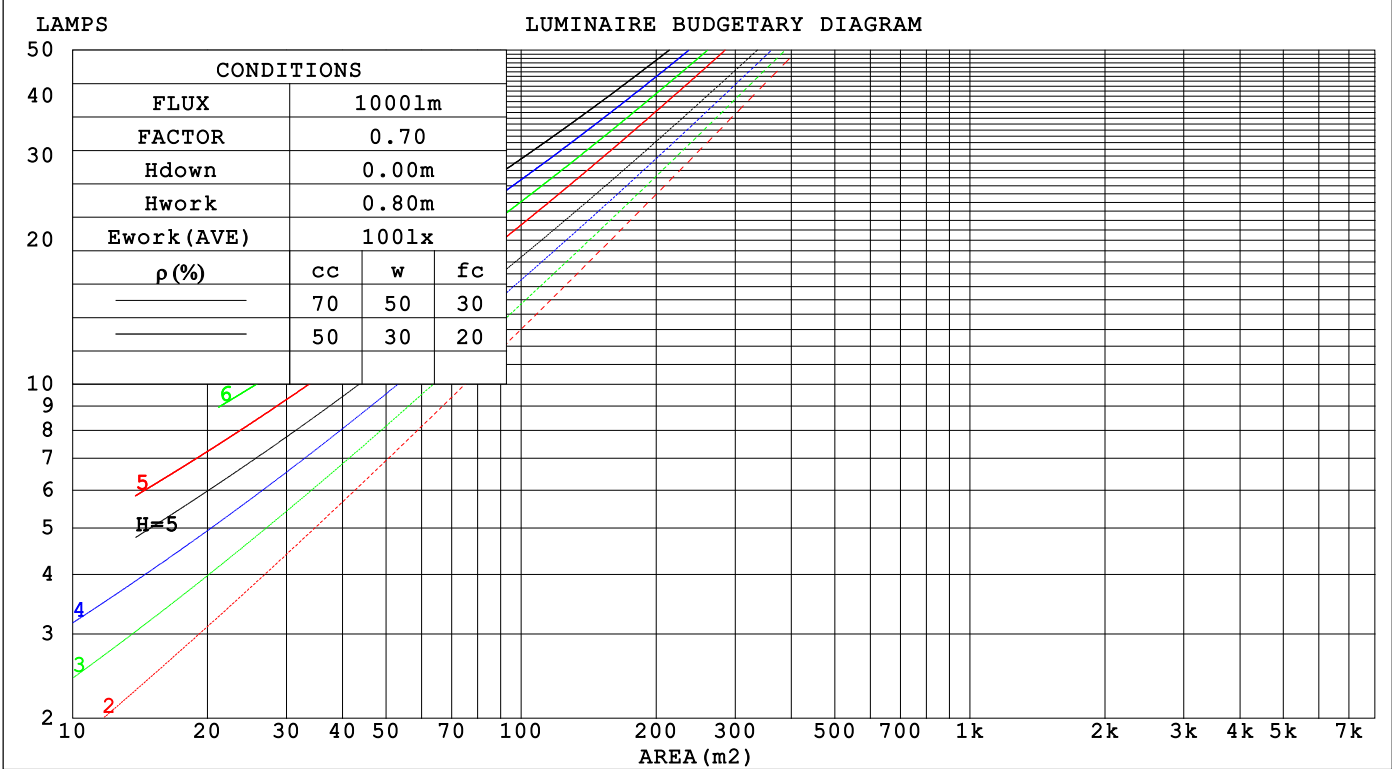
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity:75%
Test Distance:8.458m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.06V I:0.454A P:98.96W PF:0.947 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0		
Lamp Flux:14006.3x1 lm		
NAME: H1001P		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		

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															



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-24

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity:75%
Test Distance:8.458m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.06V I:0.454A P:98.96W PF:0.947 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14006.3x1 lm		
NAME: H1001P		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		

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	.232	.132	.042	.225	.128	.041	.212	.122	.039	.200	.116	.037	.189	.110	.035		
2.0	.227	.124	.038	.221	.122	.038	.210	.117	.036	.200	.112	.035	.190	.108	.034		
3.0	.217	.116	.035	.212	.113	.034	.202	.110	.033	.193	.106	.032	.185	.102	.032		
4.0	.206	.107	.031	.201	.105	.031	.193	.102	.031	.185	.099	.030	.178	.096	.029		
5.0	.195	.099	.029	.191	.098	.029	.183	.095	.028	.176	.093	.028	.170	.091	.027		
6.0	.184	.092	.026	.181	.091	.026	.174	.089	.026	.168	.087	.026	.162	.085	.025		
7.0	.174	.086	.024	.171	.085	.024	.165	.083	.024	.159	.082	.024	.154	.080	.024		
8.0	.165	.081	.023	.162	.080	.023	.157	.078	.022	.152	.077	.022	.147	.075	.022		
9.0	.157	.076	.021	.154	.075	.021	.149	.074	.021	.145	.072	.021	.140	.071	.021		
10.0	.149	.071	.020	.146	.071	.020	.142	.070	.020	.138	.068	.019	.134	.067	.019		

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	.175	.157	.141	.150	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.132	.106	.140	.114	.092	.096	.079	.064	.055	.046	.037	.018	.015	.012	
3.0	.154	.114	.082	.132	.098	.071	.091	.068	.050	.052	.040	.029	.017	.013	.010	
4.0	.146	.100	.065	.125	.086	.056	.086	.060	.040	.050	.035	.023	.016	.011	.008	
5.0	.139	.089	.052	.119	.077	.046	.082	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.132	.081	.043	.114	.070	.038	.078	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.126	.073	.037	.109	.064	.032	.075	.045	.023	.044	.026	.013	.014	.009	.004	
8.0	.120	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.012	.014	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.058	.024	.095	.051	.021	.066	.036	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28℃
 Operators:Li
 Test Date:2025-12-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity:75%
 Test Distance:8.458m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.06V I:0.454A P:98.96W PF:0.947 Freq:49.99Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14006.3x1 lm										
NAME: H1001P										
SPEC.: PHILIPS/MID										
MFR.: SOTEN										
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	29.2	30.5	29.5	30.7	30.9	28.8	30.0	29.0	30.2	30.4
3H	29.4	30.6	29.7	30.8	31.0	28.9	30.0	29.1	30.3	30.5
4H	29.4	30.5	29.7	30.7	31.0	28.8	30.0	29.1	30.2	30.4
6H	29.3	30.4	29.7	30.6	30.9	28.8	29.8	29.1	30.1	30.3
8H	29.3	30.3	29.6	30.6	30.8	28.7	29.7	29.1	30.0	30.3
12H	29.3	30.2	29.6	30.5	30.8	28.7	29.6	29.0	29.9	30.2
4H 2H	29.3	30.4	29.6	30.6	30.8	28.8	29.9	29.1	30.2	30.4
3H	29.5	30.5	29.8	30.7	31.0	29.0	30.0	29.3	30.2	30.5
4H	29.5	30.4	29.9	30.7	31.0	29.0	29.9	29.4	30.2	30.5
6H	29.5	30.3	29.9	30.6	31.0	29.0	29.7	29.4	30.1	30.4
8H	29.5	30.2	29.9	30.5	30.9	28.9	29.6	29.3	30.0	30.4
12H	29.4	30.1	29.9	30.5	30.8	28.9	29.5	29.3	29.9	30.3
8H 4H	29.5	30.2	29.9	30.5	30.9	29.0	29.7	29.4	30.0	30.4
6H	29.5	30.0	29.9	30.4	30.8	28.9	29.5	29.4	29.9	30.3
8H	29.4	29.9	29.9	30.3	30.8	28.9	29.4	29.4	29.8	30.3
12H	29.4	29.8	29.9	30.3	30.7	28.9	29.3	29.3	29.7	30.2
12H 4H	29.4	30.1	29.8	30.4	30.8	28.9	29.6	29.3	29.9	30.3
6H	29.4	29.9	29.9	30.3	30.8	28.9	29.4	29.4	29.8	30.3
8H	29.4	29.8	29.9	30.3	30.7	28.9	29.3	29.3	29.7	30.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.2 / - 1.5					+ 1.4 / - 1.9				
1.5H	+ 0.8 / - 1.0					+ 0.7 / - 1.0				
2.0H	+ 2.6 / - 2.7					+ 2.6 / - 2.7				

CIE Pub.117, 14006 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 9.2$)
 Area: 0.0415 m²

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28℃
 Operators:Li
 Test Date:2025-12-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity:75%
 Test Distance:8.458m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.06V I:0.454A P:98.96W PF:0.947 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14006.3x1 lm		
NAME: H1001P		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		

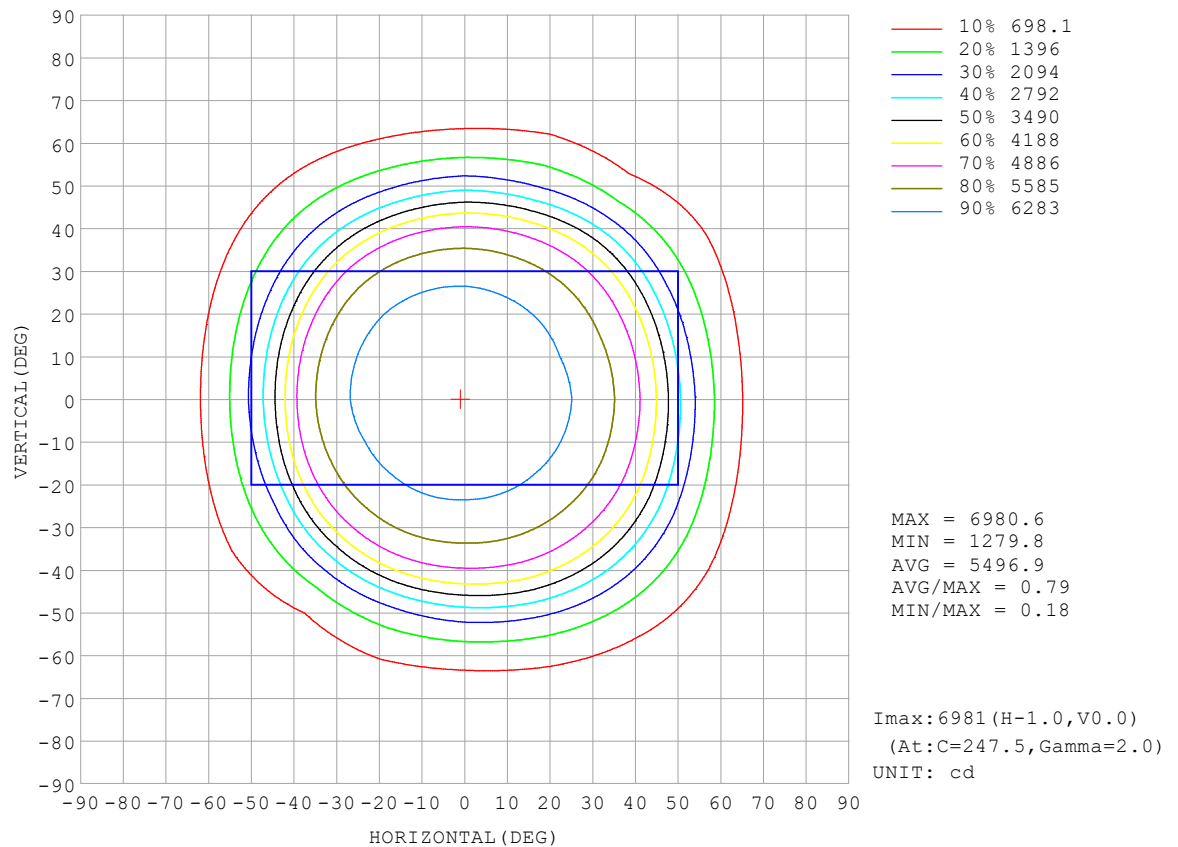
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	59	53	68	58	53	67	58	52	47
0.80	78	69	63	78	69	63	76	68	63	57
1.00	86	78	72	85	77	72	83	78	71	66
1.25	93	85	79	91	84	79	89	83	78	72
1.50	97	90	84	95	89	84	93	87	83	77
2.00	102	96	91	101	95	90	97	93	89	83
2.50	105	99	95	103	98	94	100	95	92	85
3.00	107	102	98	105	101	97	102	98	95	88
4.00	110	106	103	108	104	101	104	101	99	91
5.00	112	108	105	110	106	104	105	103	101	92
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: 28°C
 Operators: Li
 Test Date: 2025-12-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity: 75%
 Test Distance: 8.458m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.06V I:0.454A P:98.96W PF:0.947 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14006.3x1 lm		
NAME: H1001P		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		

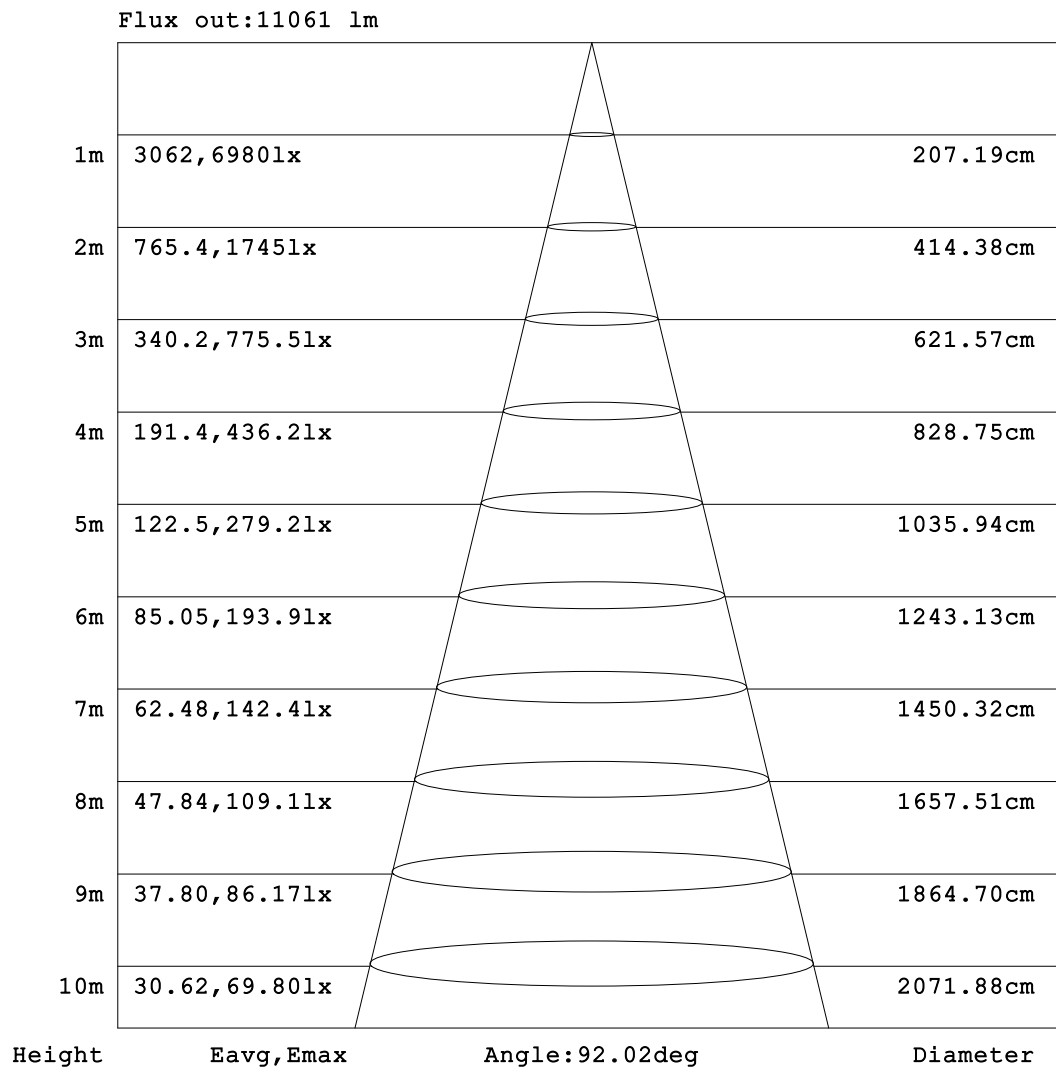


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28℃
 Operators:Li
 Test Date:2025-12-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity:75%
 Test Distance:8.458m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.06V I:0.454A P:98.96W PF:0.947 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14006.3x1 lm		
NAME: H1001P		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		



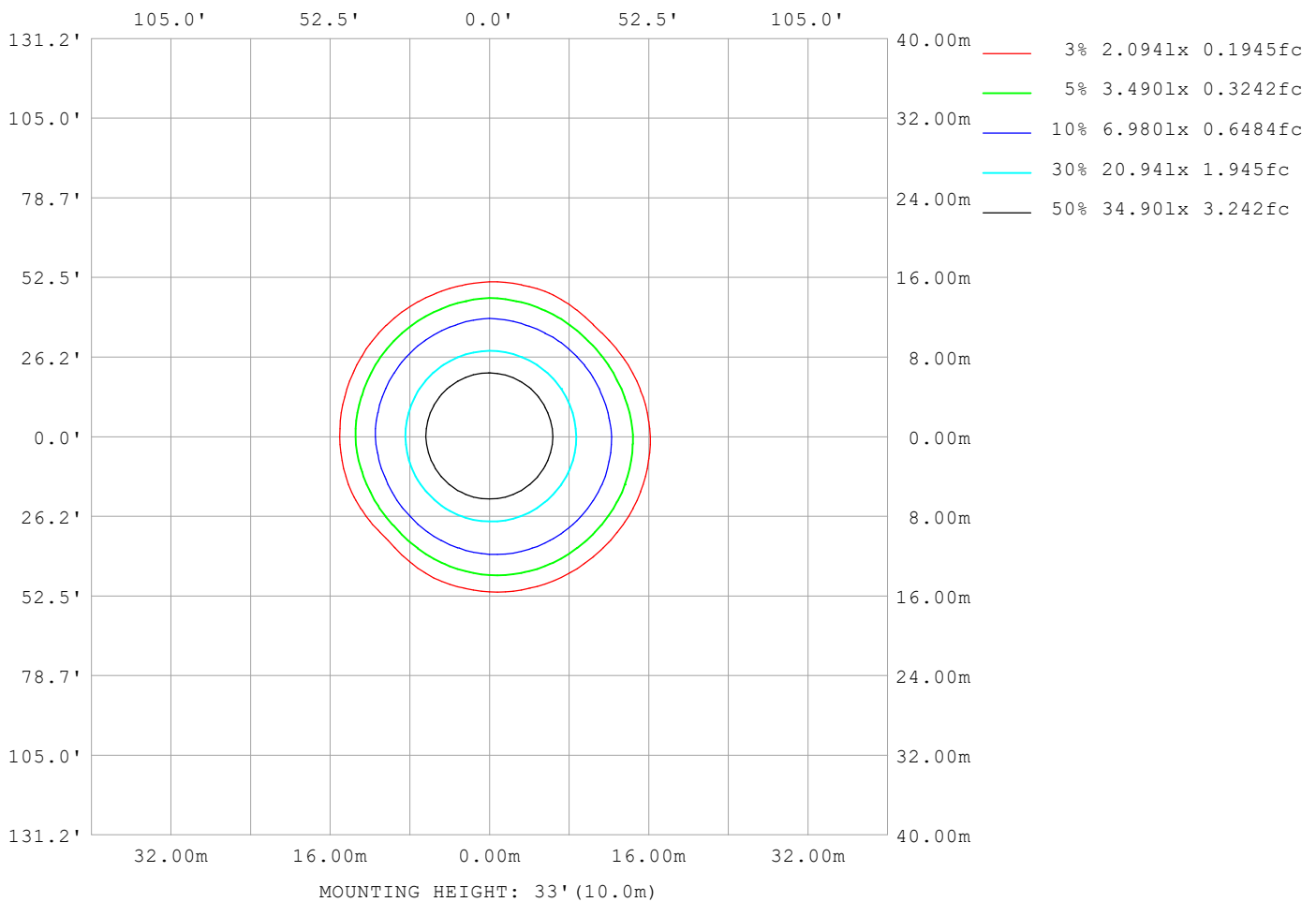
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28°C
 Operators: Li
 Test Date: 2025-12-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity: 75%
 Test Distance: 8.458m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.06V I:0.454A P:98.96W PF:0.947 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14006.3x1 lm		
NAME: H1001P		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28°C
 Operators: Li
 Test Date: 2025-12-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity: 75%
 Test Distance: 8.458m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.06V I:0.454A P:98.96W PF:0.947 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:14006.3x1 lm		
NAME: H1001P		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		

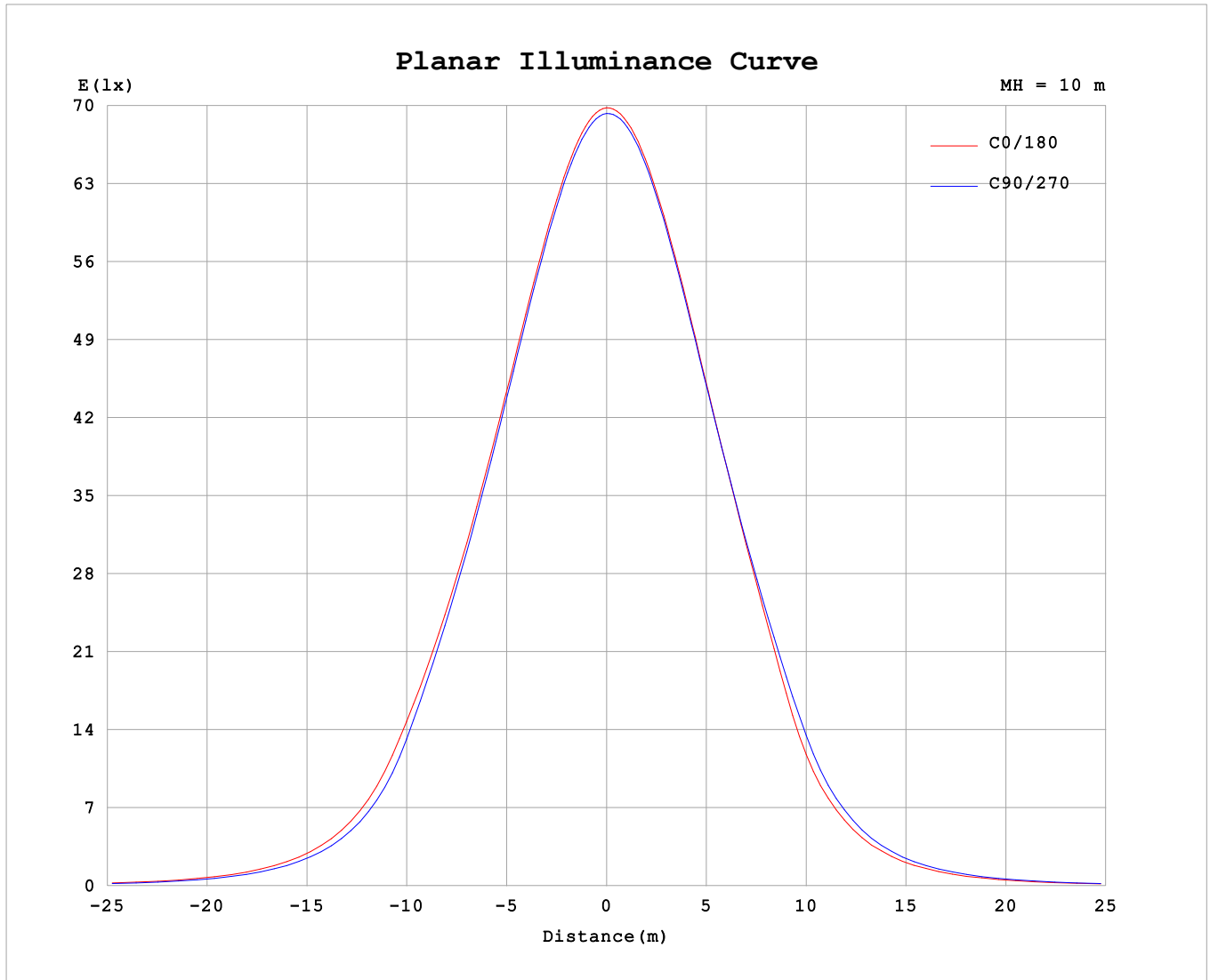
AvgL	cd/m2
L_0~180 (65) av	33945
L_0~180 (75) av	15279
L_0~180 (85) av	3009
L_90~270 (65) av	33550
L_90~270 (75) av	15615
L_90~270 (85) av	2844
L_45 (65) av	29268
L_45 (75) av	13832
L_45 (85) av	2908

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28℃
 Operators: Li
 Test Date: 2025-12-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity: 75%
 Test Distance: 8.458m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28°C
Operators: Li
Test Date: 2025-12-24

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity: 75%
Test Distance: 8.458m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity:75%
Test Distance:8.458m [K=1.0000]
Remarks:

```