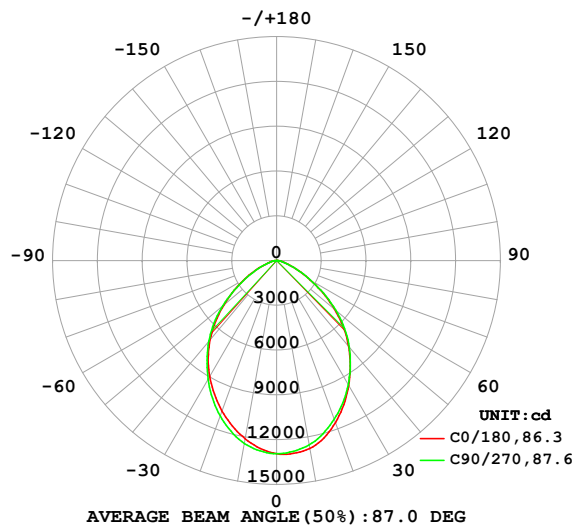


LUMINAIRE PHOTOMETRIC TEST REPORT

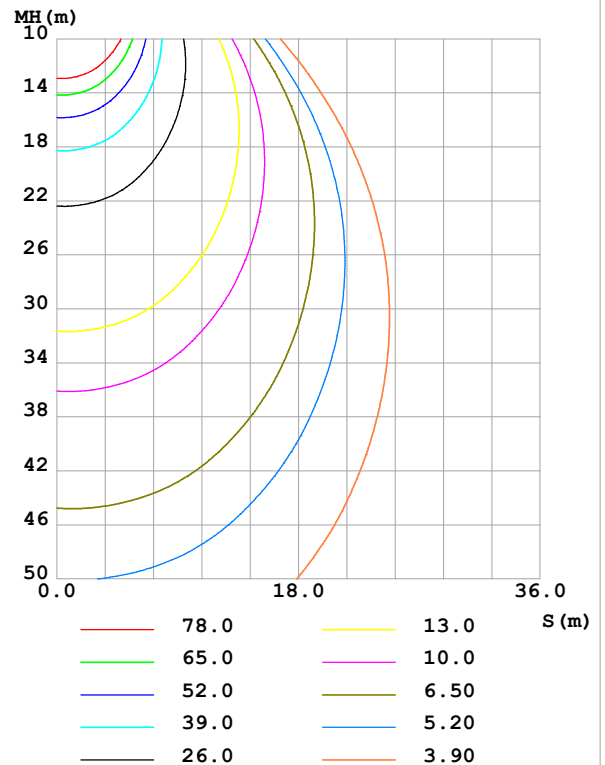
Test:U:229.85V I:0.876A P:195.21W PF:0.969 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24787.3x1 lm		
NAME: H1006P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.97 lm/W			
MODEL	2835	I _{max} (cd)	12989	S/MH(C0/180)	1.06
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.09
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	24787	η UP,DN(C0-180)	0.0,51.2
NOMINAL FLUX(lm)	24787.3	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down (%)	100.0	CIBSE SHR MAX	1.25

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: 2025-12-22

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	1278	1270	1254	1229	1213	1217	1245	1269	0- 10	1212	1212	4.89, 4.89
20	1155	1146	1130	1100	1072	1073	1108	1141	10- 20	3345	4556	18.4, 18.4
30	965.6	962.9	960.3	931.5	897.1	892.3	918.0	945.2	20- 30	4733	9289	37.5, 37.5
40	750.8	758.8	758.0	727.1	693.4	685.2	707.4	727.6	30- 40	5200	14489	58.5, 58.5
50	508.2	515.7	518.1	485.5	460.8	449.5	470.8	483.2	40- 50	4688	19178	77.4, 77.4
60	262.3	268.0	261.3	249.5	245.4	237.6	238.7	237.6	50- 60	3246	22424	90.5, 90.5
70	96.93	98.91	95.44	92.02	91.01	90.59	89.30	86.40	60- 70	1638	24062	97.1, 97.1
80	31.81	31.99	29.45	29.24	31.03	30.81	28.34	28.47	70- 80	582.1	24644	99.4, 99.4
90	1.441	1.407	1.432	1.457	1.367	1.377	1.369	1.328	80- 90	143.4	24787	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:X10cd									UNIT:lm		

Conical surface Flux(90deg): 16963 lm

%lum = 68.4%

%lamp = 68.4%

Conical surface Flux(130deg): 23421 lm

%lum = 94.5%

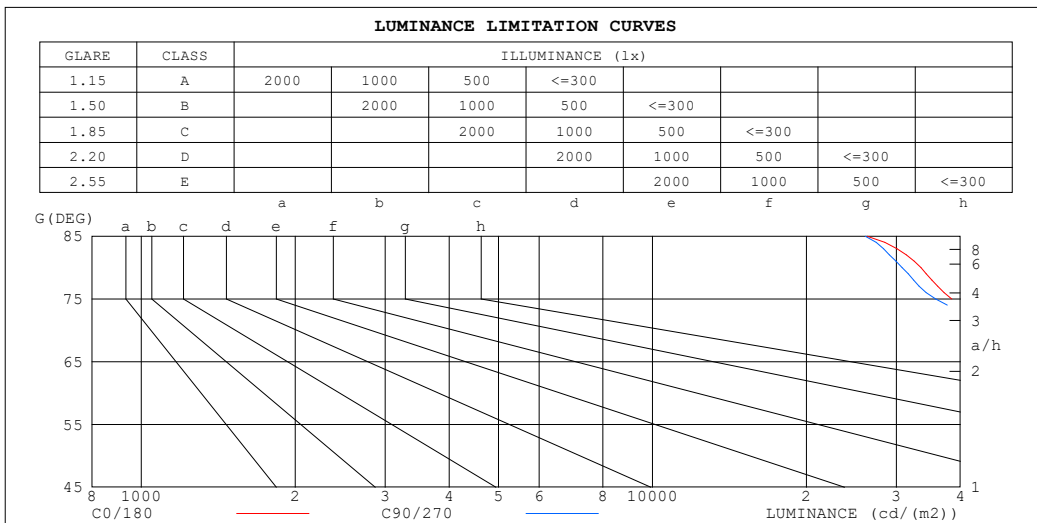
%lamp = 94.5%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28℃
 Operators: Li
 Test Date: 2025-12-22

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:229.85V I:0.876A P:195.21W PF:0.969 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24787.3x1 lm		
NAME: H1006P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	26293	26101
80	33522	30791
75	38482	35839
70	51867	50667
65	73044	72041
60	96002	94885
55	121046	121738
50	144685	146359
45	163892	165411

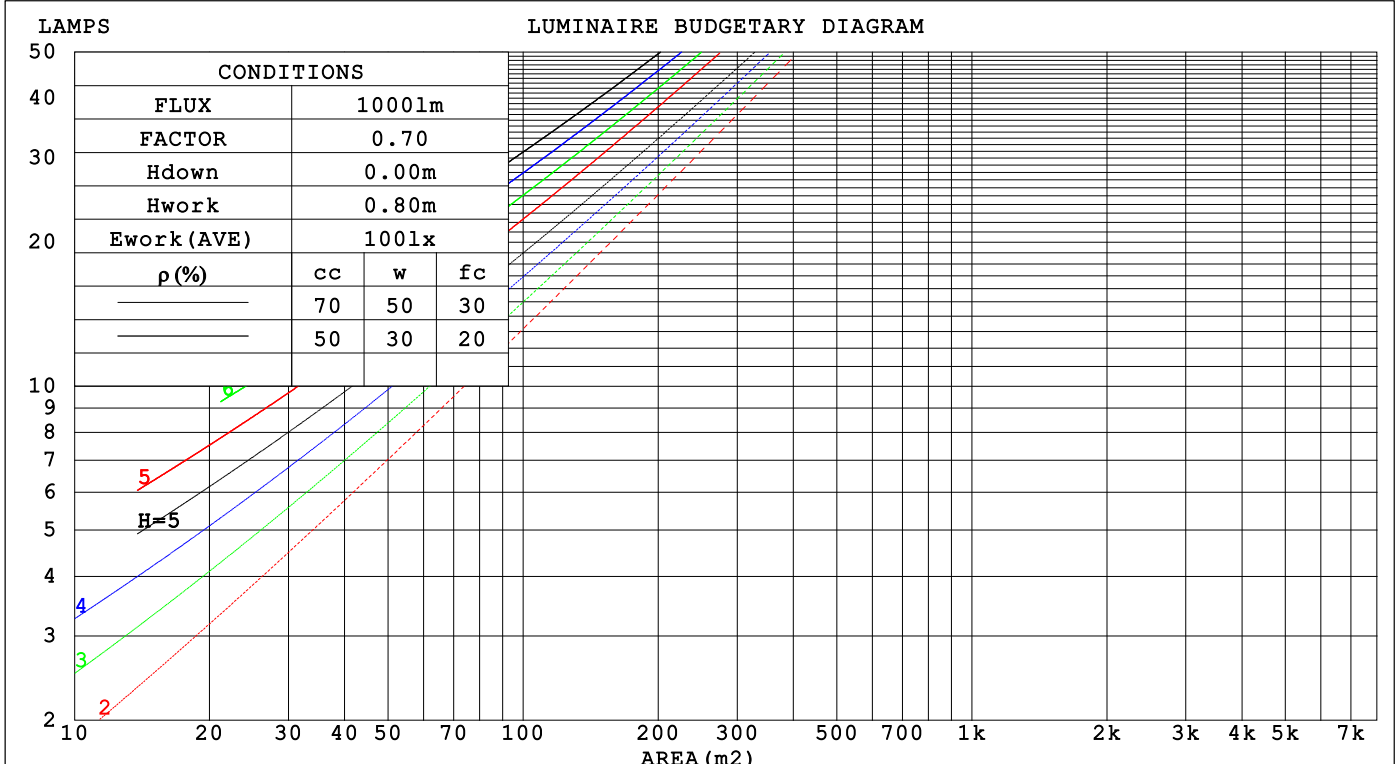
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-22

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:229.85V I:0.876A P:195.21W PF:0.969 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24787.3x1 lm		
NAME: H1006P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.07	1.04	1.00	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.90	.86	.82	.87	.84	.80	.84	.81	.79	.77
3.0	.86	.79	.73	.84	.78	.72	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.64	.76	.69	.63	.74	.67	.62	.71	.66	.62	.69	.65	.61	.59
5.0	.70	.62	.56	.69	.61	.56	.67	.60	.55	.65	.59	.55	.63	.58	.54	.52
6.0	.64	.56	.50	.63	.55	.50	.61	.54	.49	.59	.53	.49	.58	.53	.48	.46
7.0	.58	.50	.45	.57	.50	.44	.56	.49	.44	.55	.48	.44	.53	.48	.44	.42
8.0	.53	.46	.40	.53	.45	.40	.52	.45	.40	.50	.44	.40	.49	.44	.40	.38
9.0	.49	.42	.37	.49	.42	.37	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
10.0	.46	.38	.34	.45	.38	.33	.44	.38	.33	.43	.37	.33	.43	.37	.33	.31



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-22

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:229.85V I:0.876A P:195.21W PF:0.969 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24787.3x1 lm		
NAME: H1006P		
SPEC.: PHILIPS/HIGH		
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	.250	.142	.045	.243	.139	.044	.230	.132	.042	.218	.126	.040	.207	.120	.039															
2.0	.242	.133	.041	.236	.130	.040	.225	.125	.039	.215	.120	.038	.205	.116	.037															
3.0	.229	.122	.037	.224	.120	.036	.214	.116	.035	.205	.112	.034	.197	.109	.034															
4.0	.216	.112	.033	.211	.111	.033	.203	.107	.032	.195	.104	.032	.187	.102	.031															
5.0	.203	.103	.030	.199	.102	.030	.191	.100	.029	.184	.097	.029	.177	.095	.028															
6.0	.191	.096	.027	.187	.095	.027	.180	.092	.027	.174	.090	.027	.168	.088	.026															
7.0	.180	.089	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025	.159	.083	.024															
8.0	.169	.083	.023	.166	.082	.023	.161	.080	.023	.156	.079	.023	.151	.077	.023															
9.0	.160	.077	.022	.157	.077	.022	.152	.075	.021	.148	.074	.021	.143	.073	.021															
10.0	.151	.073	.020	.149	.072	.020	.145	.071	.020	.140	.070	.020	.136	.069	.020															

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	.176	.157	.139	.151	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.134	.098	.069	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.039	.051	.035	.023	.016	.012	.008	
5.0	.141	.089	.051	.121	.077	.045	.084	.054	.031	.048	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.046	.029	.016	.015	.009	.005	
7.0	.128	.074	.036	.110	.064	.031	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.122	.068	.031	.105	.059	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.100	.055	.023	.070	.038	.017	.041	.023	.010	.013	.007	.003	
10.0	.111	.059	.024	.096	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28℃
 Operators:Li
 Test Date:2025-12-22

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:229.85V I:0.876A P:195.21W PF:0.969 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24787.3x1 lm										
NAME: H1006P										
SPEC.: PHILIPS/HIGH										
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	29.4	30.7	30.9	29.1	30.5	29.4	30.6	30.8
3H	29.6	30.8	29.9	31.0	31.3	29.5	30.7	29.8	31.0	31.2
4H	29.6	30.8	29.9	31.0	31.3	29.6	30.7	29.9	31.0	31.2
6H	29.7	30.8	30.0	31.0	31.3	29.6	30.7	29.9	30.9	31.2
8H	29.7	30.7	30.0	31.0	31.3	29.6	30.6	29.9	30.9	31.2
12H	29.7	30.7	30.0	30.9	31.2	29.5	30.5	29.9	30.8	31.1
4H 2H	29.4	30.5	29.7	30.8	31.0	29.3	30.5	29.6	30.7	31.0
3H	29.9	30.9	30.2	31.2	31.5	29.8	30.8	30.2	31.1	31.4
4H	30.0	30.9	30.4	31.3	31.6	29.9	30.8	30.3	31.1	31.5
6H	30.1	30.9	30.5	31.3	31.6	30.0	30.8	30.4	31.1	31.5
8H	30.2	30.9	30.6	31.3	31.6	30.0	30.8	30.4	31.1	31.5
12H	30.2	30.8	30.6	31.2	31.6	30.0	30.7	30.4	31.1	31.5
8H 4H	30.0	30.8	30.4	31.1	31.5	29.9	30.7	30.3	31.0	31.4
6H	30.2	30.8	30.6	31.2	31.6	30.1	30.7	30.5	31.1	31.5
8H	30.2	30.8	30.7	31.2	31.6	30.1	30.6	30.6	31.1	31.5
12H	30.3	30.7	30.8	31.2	31.7	30.1	30.6	30.6	31.1	31.5
12H 4H	30.0	30.7	30.4	31.1	31.4	29.9	30.6	30.3	30.9	31.3
6H	30.2	30.7	30.6	31.1	31.6	30.0	30.6	30.5	31.0	31.5
8H	30.3	30.7	30.7	31.2	31.6	30.1	30.6	30.6	31.0	31.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 1.1 / - 1.2					+ 1.2 / - 1.4				

CIE Pub.117, 24787 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 11.2)
 Area: 0.055 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28℃
 Operators:Li
 Test Date:2025-12-22

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:229.85V I:0.876A P:195.21W PF:0.969 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24787.3x1 lm		
NAME: H1006P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

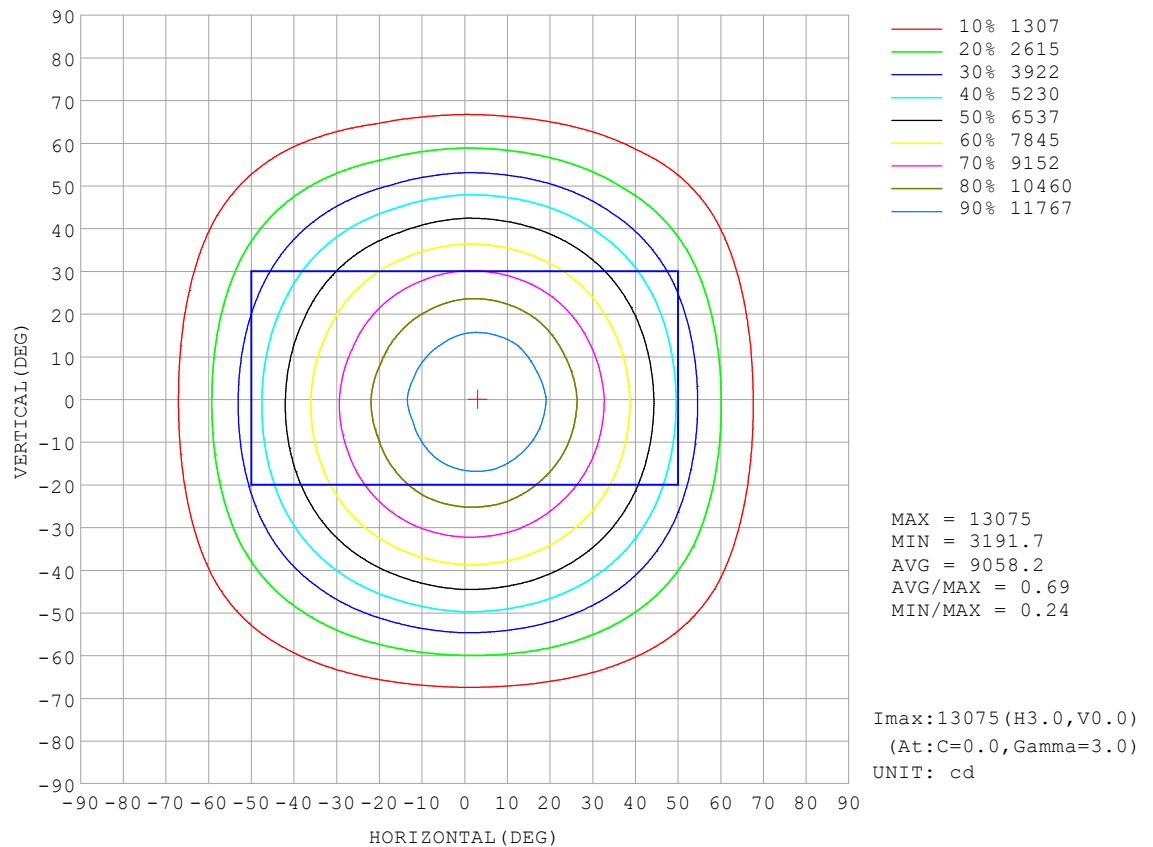
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	55	49	65	55	49	63	54	49	43
0.80	75	65	59	74	65	59	73	64	59	53
1.00	84	74	68	82	74	68	80	75	67	61
1.25	90	81	76	89	81	75	86	79	74	68
1.50	95	87	81	93	86	80	90	84	79	73
2.00	100	93	88	99	92	88	95	90	86	79
2.50	103	97	92	101	96	91	98	93	89	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	91
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: 2025-12-22

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:229.85V I:0.876A P:195.21W PF:0.969 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24787.3x1 lm		
NAME: H1006P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

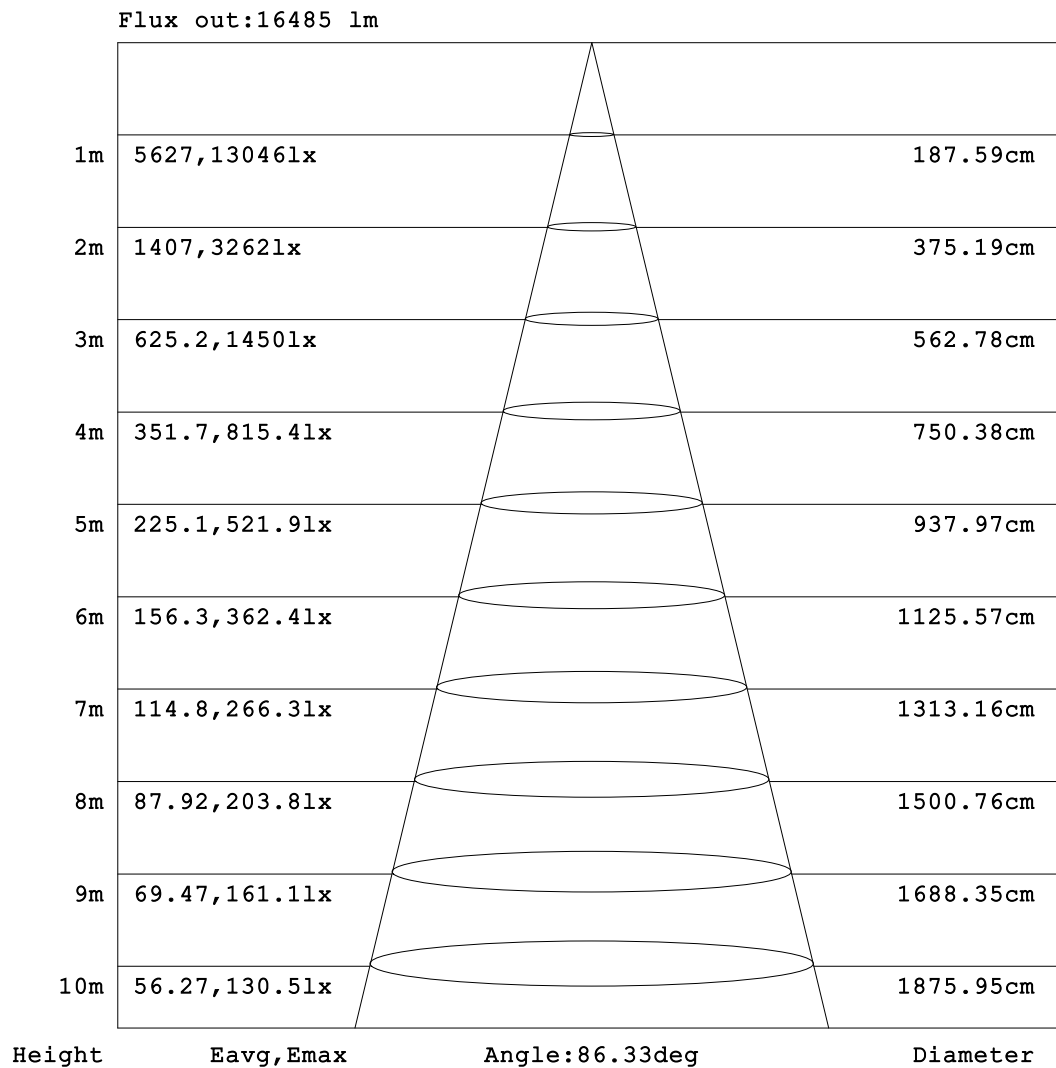


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-22

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:229.85V I:0.876A P:195.21W PF:0.969 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24787.3x1 lm		
NAME: H1006P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		



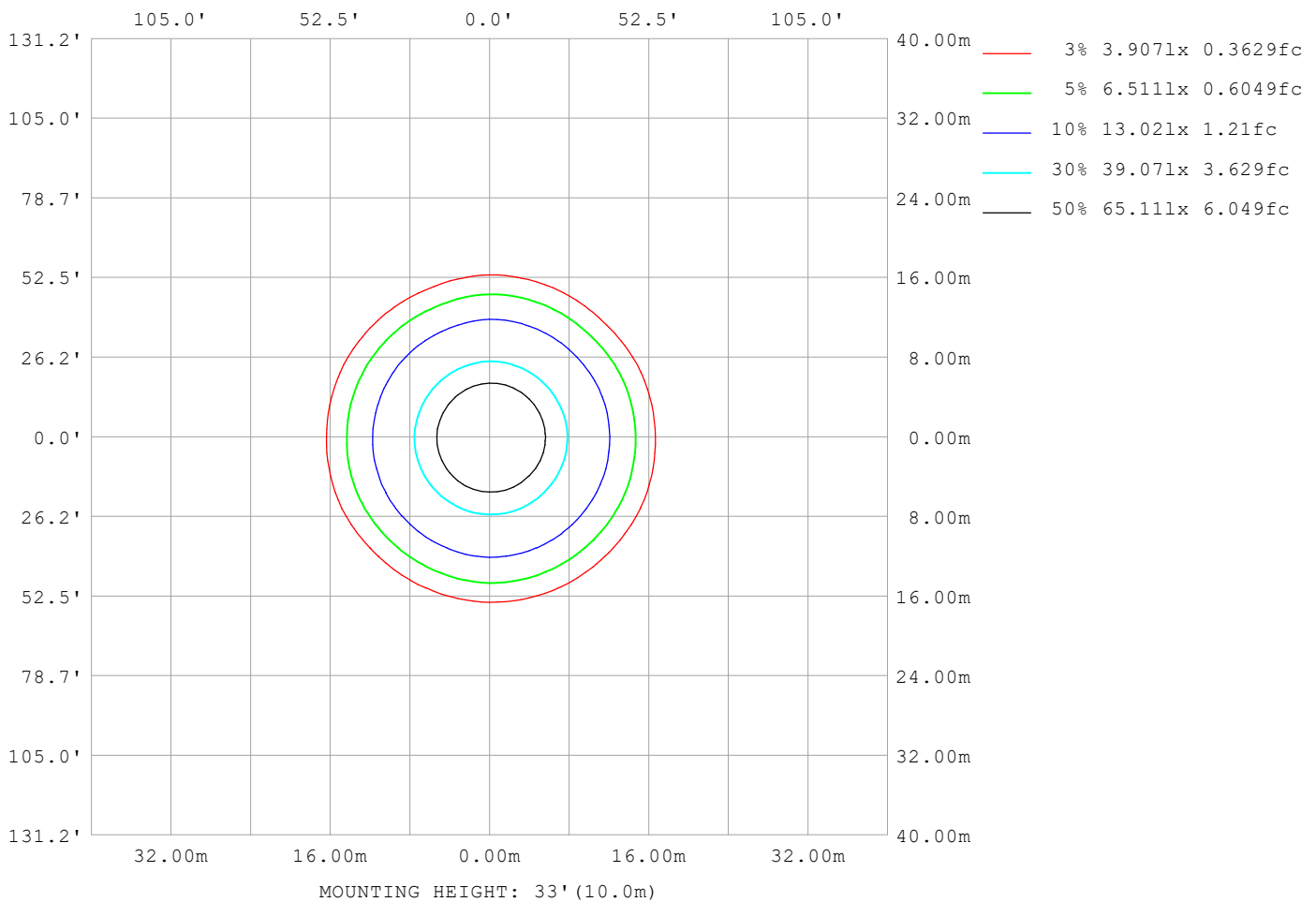
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28°C
 Operators: Li
 Test Date: 2025-12-22

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:229.85V I:0.876A P:195.21W PF:0.969 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24787.3x1 lm		
NAME: H1006P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28°C
 Operators: Li
 Test Date: 2025-12-22

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:229.85V I:0.876A P:195.21W PF:0.969 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:24787.3x1 lm		
NAME: H1006P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

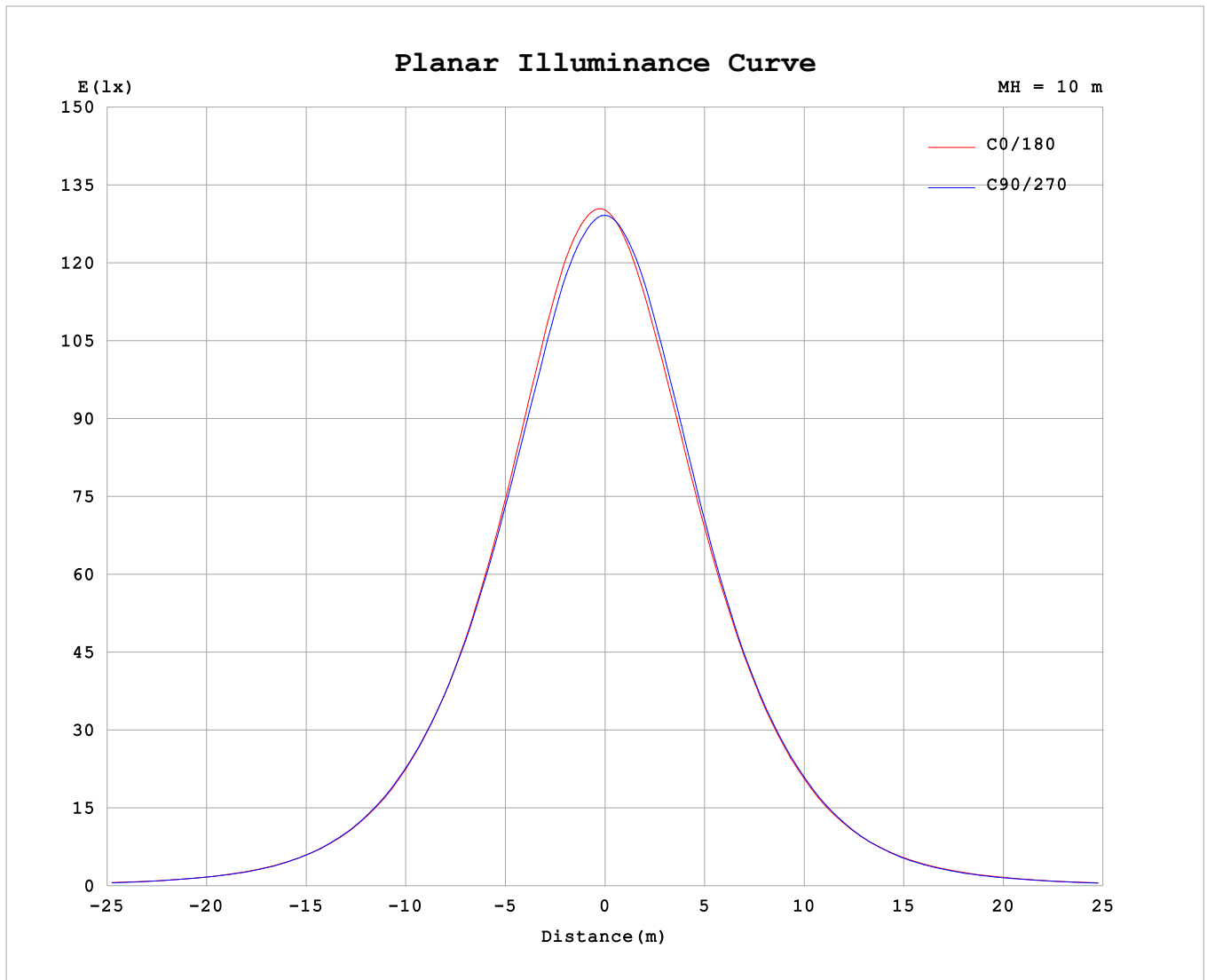
AvgL	cd/m2
L_0~180 (65) av	70744
L_0~180 (75) av	37360
L_0~180 (85) av	26418
L_90~270 (65) av	69333
L_90~270 (75) av	35513
L_90~270 (85) av	24142
L_45 (65) av	69042
L_45 (75) av	36004
L_45 (85) av	25543

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28℃
 Operators: Li
 Test Date: 2025-12-22

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: 2025-12-22

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:

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