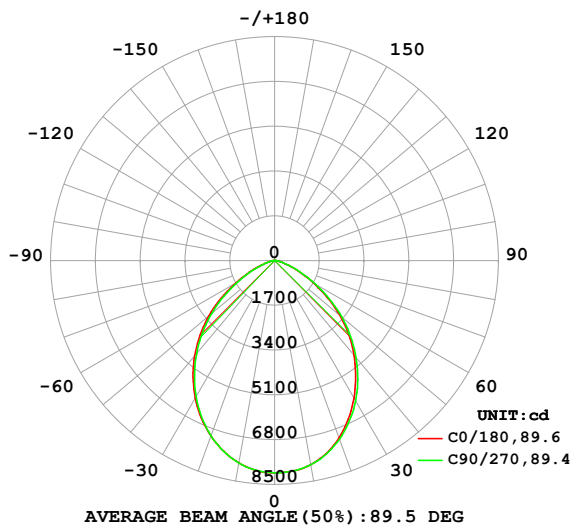


LUMINAIRE PHOTOMETRIC TEST REPORT

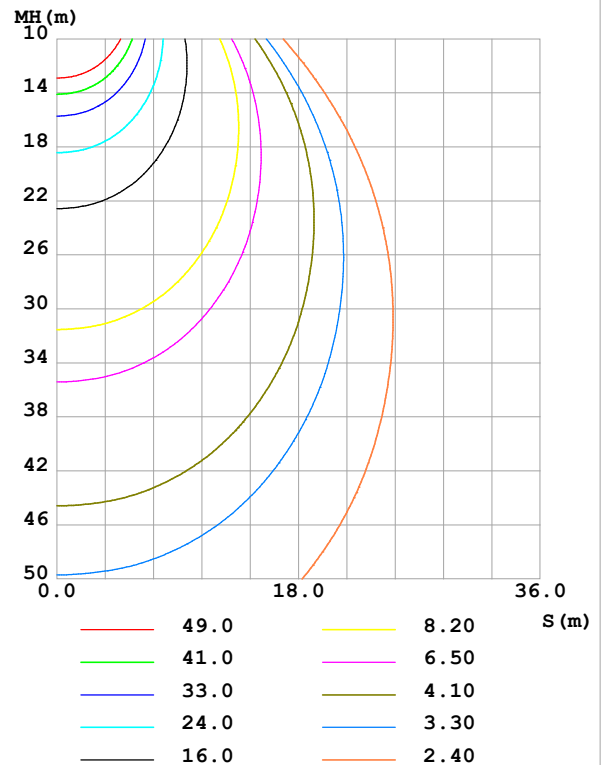
Test:U:230.02V I:0.533A P:116.01W PF:0.946 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15949.6x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.49 lm/W			
MODEL	2835	Imax (cd)	8055	S/MH(C0/180)	1.13
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.12
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	15950	η UP,DN(C0-180)	0.0,50.9
NOMINAL FLUX(lm)	15949.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.1
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	7869	7893	7873	7831	7799	7798	7807	7819	0- 10	758.8	758.8	4.76, 4.76
20	7161	7242	7212	7103	7081	7083	7072	7068	10- 20	2121	2880	18.1, 18.1
30	6034	6134	6155	6040	6024	5998	5966	5927	20- 30	3041	5921	37.1, 37.1
40	4696	4750	4811	4731	4729	4638	4608	4562	30- 40	3360	9281	58.2, 58.2
50	3234	3261	3330	3230	3257	3156	3119	3056	40- 50	3049	12330	77.3, 77.3
60	1697	1712	1783	1658	1702	1596	1592	1524	50- 60	2151	14481	90.8, 90.8
70	631.5	631.3	648.3	583.0	584.4	535.9	564.0	544.4	60- 70	1056	15538	97.4, 97.4
80	170.6	165.4	164.7	158.1	145.6	138.8	149.6	159.3	70- 80	342.7	15880	99.6, 99.6
90	9.291	8.984	8.895	8.863	8.356	8.508	8.660	8.623	80- 90	69.14	15950	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): 10883 lm

%lum = 68.2%

%lamp = 68.2%

Conical surface Flux(130deg): 15131 lm

%lum = 94.9%

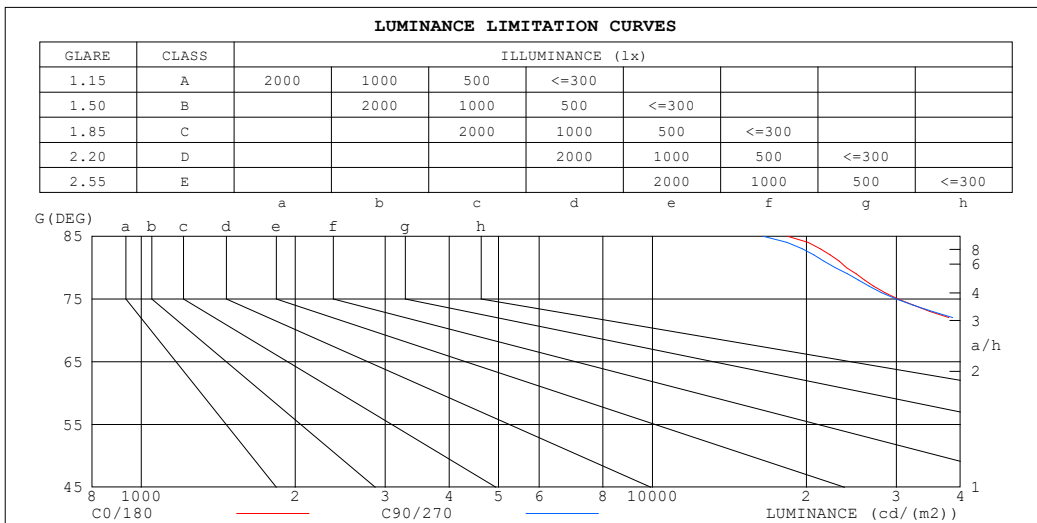
%lamp = 94.9%

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:230.02V I:0.533A P:116.01W PF:0.946 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15949.6x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18382	16473
80	23964	22793
75	30224	30005
70	45038	45558
65	62573	64581
60	82794	85718
55	103782	106518
50	122732	124510
45	137525	138697

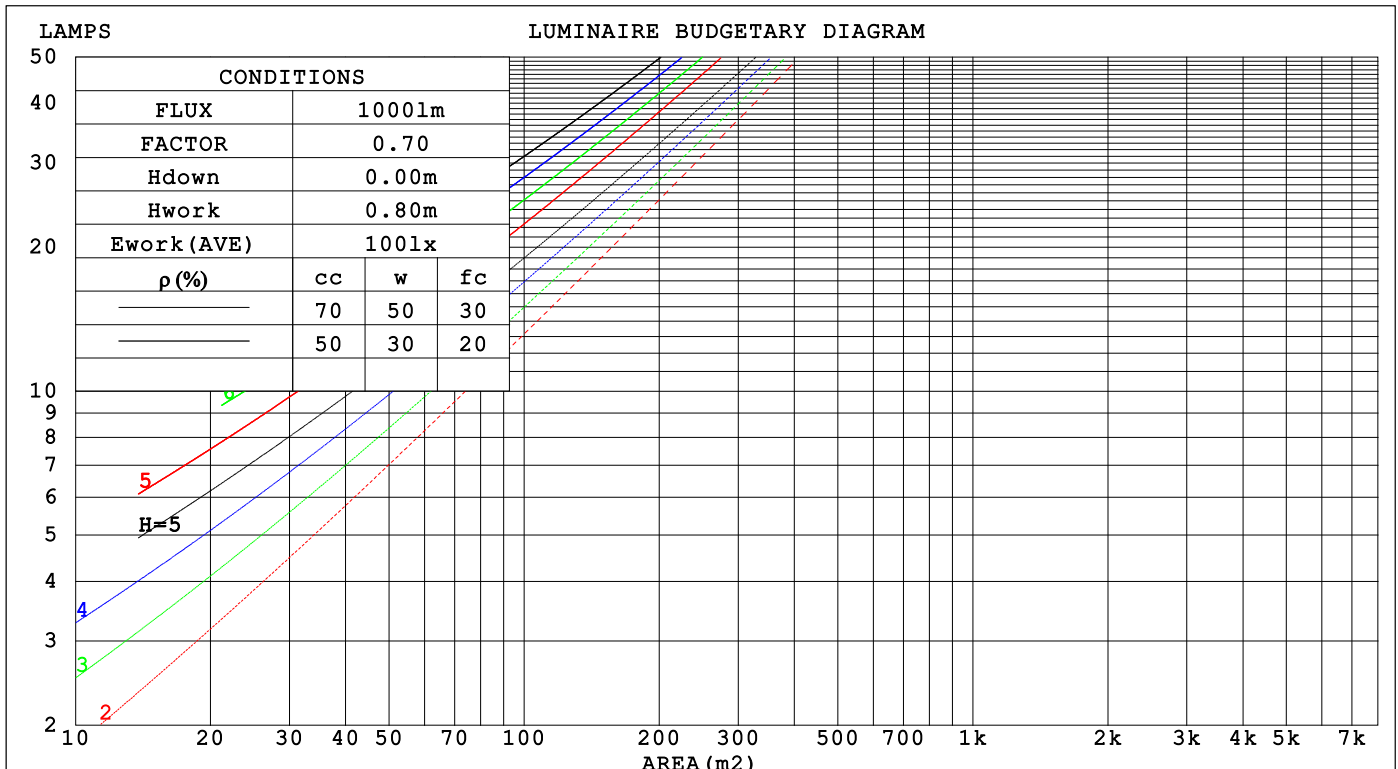
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-22

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:230.02V I:0.533A P:116.01W PF:0.946 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15949.6x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/MID		
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	1.01	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	.73	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.64	.76	.69	.63	.73	.67	.62	.71	.66	.62	.69	.65	.61	.59
5.0	.70	.62	.56	.69	.61	.56	.67	.60	.55	.65	.59	.54	.63	.58	.54	.52
6.0	.63	.55	.50	.63	.55	.49	.61	.54	.49	.59	.53	.49	.58	.52	.48	.46
7.0	.58	.50	.44	.57	.50	.44	.56	.49	.44	.54	.48	.44	.53	.48	.43	.42
8.0	.53	.45	.40	.53	.45	.40	.51	.45	.40	.50	.44	.40	.49	.44	.39	.38
9.0	.49	.42	.36	.49	.41	.36	.48	.41	.36	.46	.40	.36	.46	.40	.36	.34
10.0	.46	.38	.33	.45	.38	.33	.44	.38	.33	.43	.37	.33	.42	.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:230.02V I:0.533A P:116.01W PF:0.946 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15949.6x1 lm		
NAME: H1005P-90D		
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	.248	.141	.045	.241	.138	.044	.229	.131	.042	.217	.125	.040	.206	.119	.038															
2.0	.241	.132	.041	.235	.130	.040	.224	.125	.039	.214	.120	.038	.204	.116	.036															
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	.108	.032	.195	.105	.032	.187	.102	.031															
5.0	.203	.104	.030	.199	.102	.030	.191	.100	.029	.184	.097	.029	.178	.095	.029															
6.0	.191	.096	.027	.187	.095	.027	.181	.093	.027	.174	.091	.027	.168	.089	.026															
7.0	.180	.089	.025	.177	.088	.025	.171	.086	.025	.165	.084	.025	.159	.083	.024															
8.0	.170	.083	.023	.167	.082	.023	.161	.081	.023	.156	.079	.023	.151	.078	.023															
9.0	.160	.078	.022	.158	.077	.022	.153	.076	.021	.148	.074	.021	.144	.073	.021															
10.0	.152	.073	.020	.149	.072	.020	.145	.071	.020	.141	.070	.020	.137	.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	.090	.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	.101	.055	.023	.070	.038	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.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:230.02V I:0.533A P:116.01W PF:0.946 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15949.6x1 lm										
NAME: H1005P-90D										
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	28.5	29.9	28.8	30.1	30.3	28.5	29.9	28.8	30.0	30.2
3H	28.9	30.2	29.2	30.4	30.6	28.9	30.1	29.2	30.4	30.6
4H	29.0	30.1	29.3	30.4	30.6	29.0	30.1	29.3	30.4	30.6
6H	29.0	30.1	29.3	30.3	30.6	29.0	30.0	29.3	30.3	30.6
8H	29.0	30.0	29.3	30.3	30.6	28.9	30.0	29.3	30.3	30.5
12H	28.9	29.9	29.3	30.2	30.5	28.9	29.9	29.2	30.2	30.5
4H 2H	28.7	29.9	29.0	30.1	30.4	28.7	29.9	29.0	30.1	30.4
3H	29.2	30.3	29.6	30.5	30.8	29.2	30.2	29.6	30.5	30.8
4H	29.3	30.3	29.7	30.6	30.9	29.3	30.2	29.7	30.5	30.9
6H	29.4	30.2	29.8	30.5	30.9	29.4	30.2	29.8	30.5	30.9
8H	29.4	30.1	29.8	30.5	30.9	29.4	30.1	29.8	30.5	30.8
12H	29.4	30.1	29.8	30.4	30.8	29.3	30.0	29.8	30.4	30.8
8H 4H	29.3	30.1	29.7	30.4	30.8	29.3	30.0	29.7	30.4	30.8
6H	29.4	30.0	29.8	30.4	30.8	29.4	30.0	29.8	30.4	30.8
8H	29.4	30.0	29.9	30.4	30.8	29.4	29.9	29.9	30.4	30.8
12H	29.5	29.9	29.9	30.4	30.8	29.4	29.9	29.9	30.3	30.8
12H 4H	29.3	30.0	29.7	30.3	30.7	29.3	29.9	29.7	30.3	30.7
6H	29.4	29.9	29.8	30.3	30.8	29.4	29.9	29.8	30.3	30.8
8H	29.4	29.9	29.9	30.3	30.8	29.4	29.9	29.9	30.3	30.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.6 / - 0.7					+ 0.5 / - 0.7				
1.5H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
2.0H	+ 1.1 / - 1.4					+ 1.1 / - 1.5				

CIE Pub.117, 15950 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 9.6)
 Area: 0.0415 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:230.02V I:0.533A P:116.01W PF:0.946 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15949.6x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		

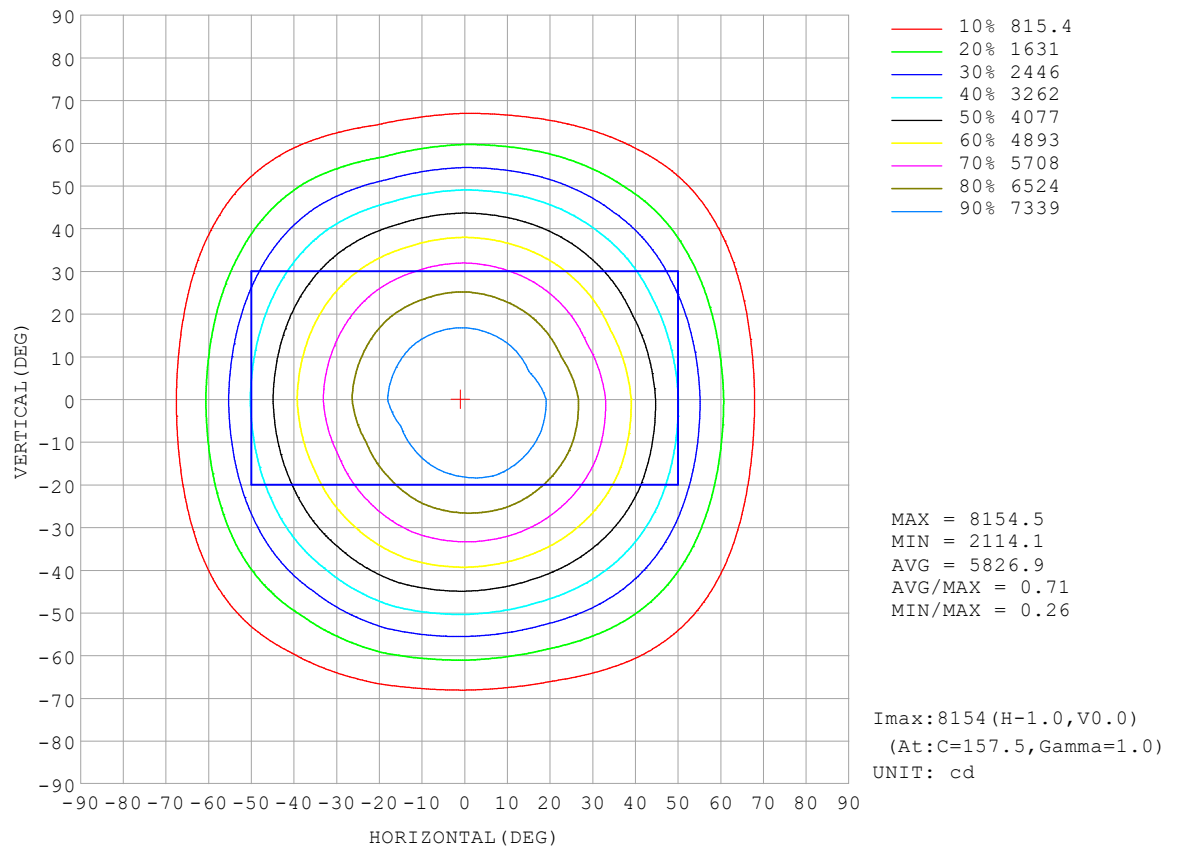
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	55	49	64	55	48	63	54	48	43
0.80	75	65	59	74	65	59	73	64	58	52
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	94	88	99	92	88	95	90	86	79
2.50	103	97	92	102	96	91	98	93	90	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:230.02V I:0.533A P:116.01W PF:0.946 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15949.6x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		

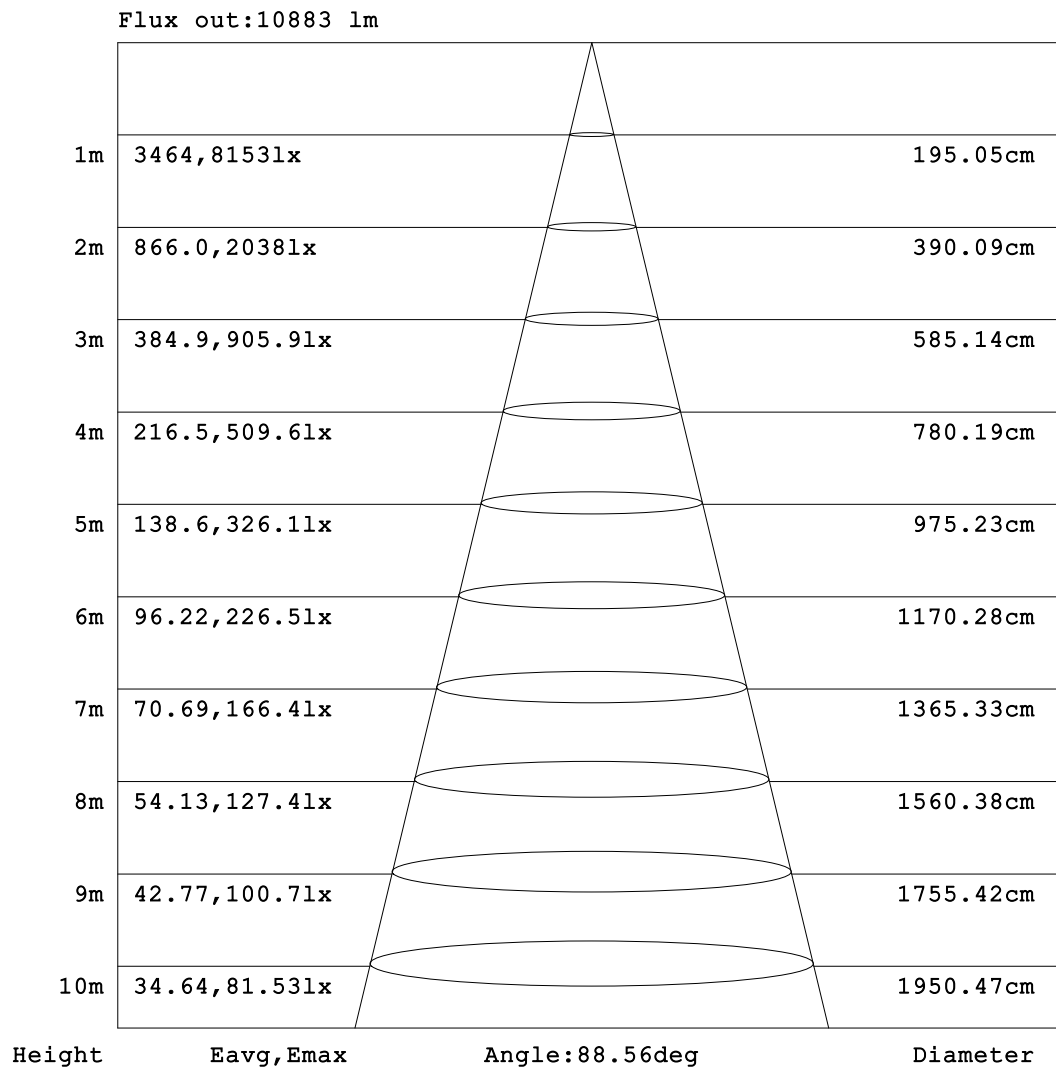


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-22

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:230.02V I:0.533A P:116.01W PF:0.946 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15949.6x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		



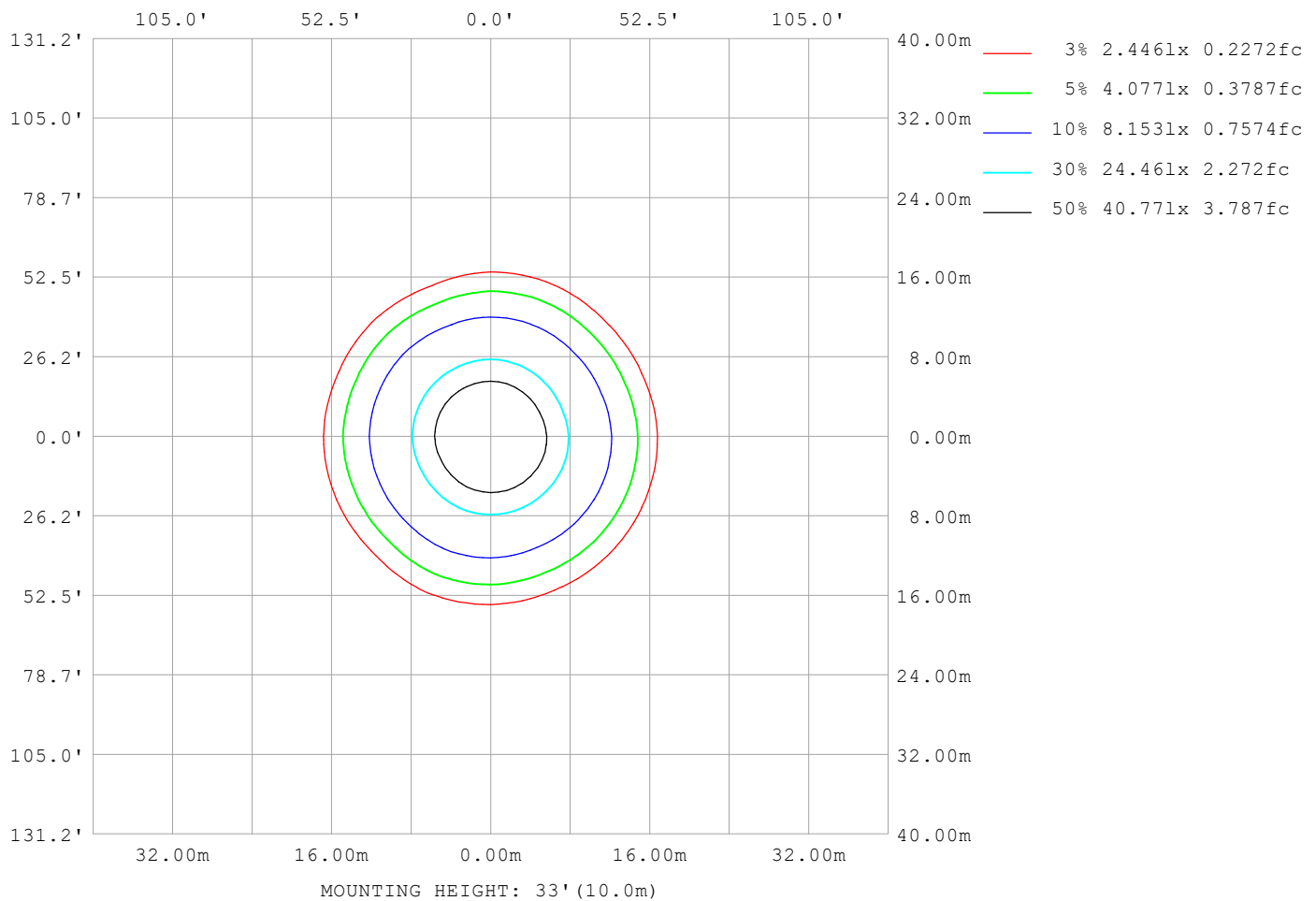
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:230.02V I:0.533A P:116.01W PF:0.946 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15949.6x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		



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

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:230.02V I:0.533A P:116.01W PF:0.946 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:15949.6x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/MID		
MFR.: SOTEN		

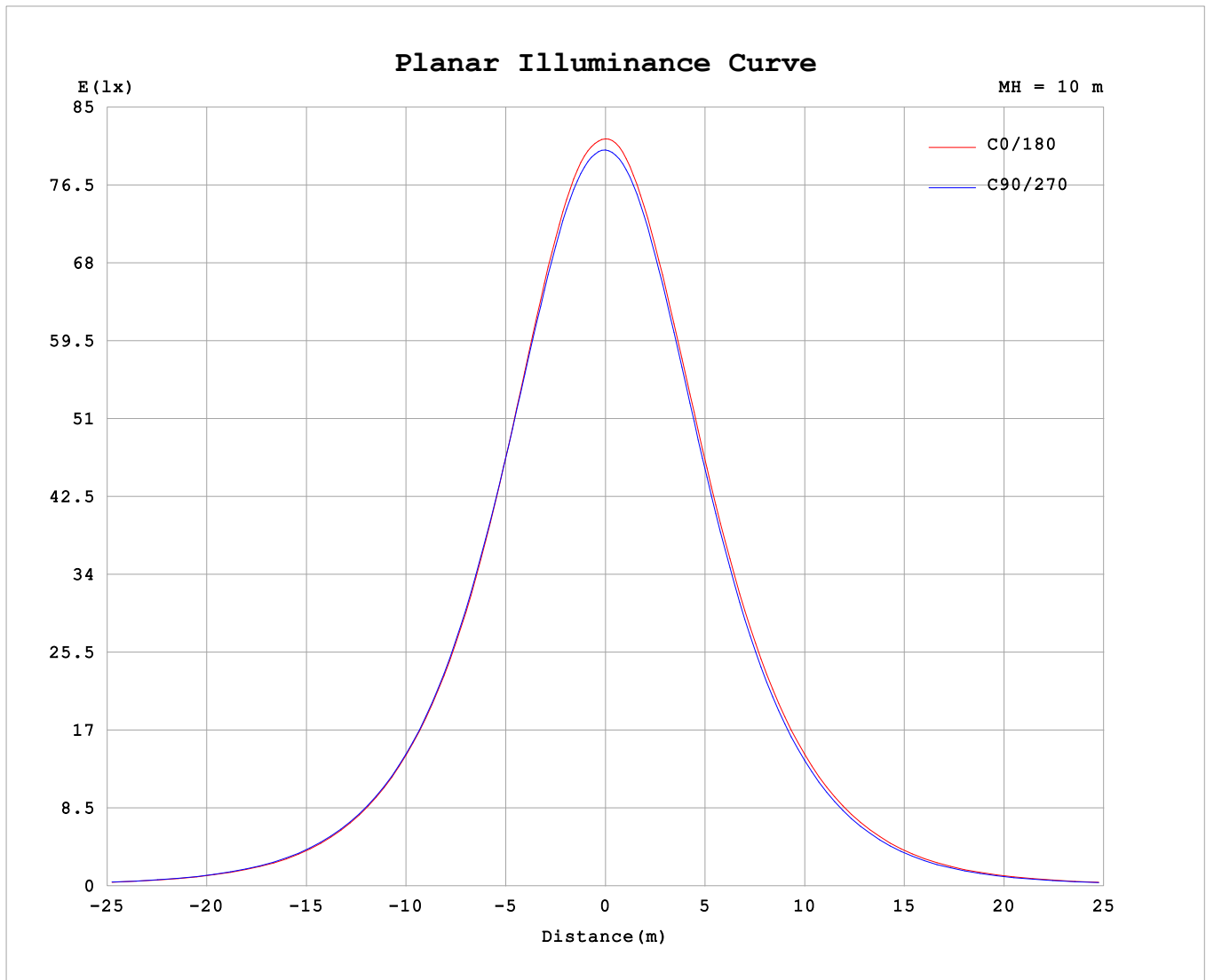
AvgL	cd/m2
L_0~180 (65) av	61203
L_0~180 (75) av	28601
L_0~180 (85) av	15022
L_90~270 (65) av	60925
L_90~270 (75) av	28324
L_90~270 (85) av	14935
L_45 (65) av	58474
L_45 (75) av	27581
L_45 (85) av	14716

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:

```

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:

```