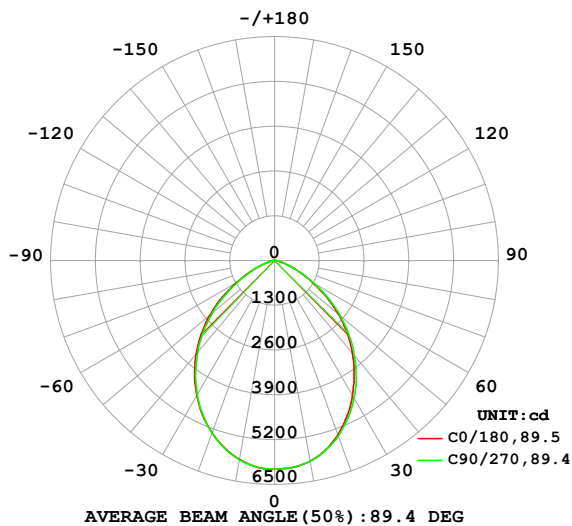


LUMINAIRE PHOTOMETRIC TEST REPORT

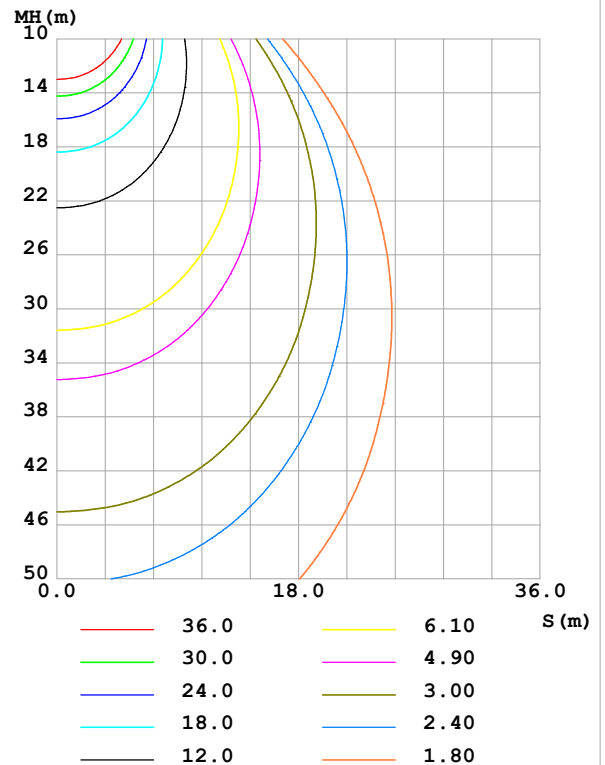
Test:U:230.13V I:0.389A P:81.44W PF:0.909 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:11985.7x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/LOW		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.17 lm/W			
MODEL	2835	I _{max} (cd)	6057	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)	11986	η UP,DN(C0-180)	0.0,50.8
NOMINAL FLUX(lm)	11985.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.2
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℃
Operators:Li
Test Date:2025-12-20

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	5913	5931	5915	5886	5861	5864	5875	5883	0- 10	570.5	570.5	4.76, 4.76
20	5379	5438	5417	5339	5319	5329	5325	5323	10- 20	1595	2165	18.1, 18.1
30	4526	4603	4620	4541	4522	4514	4494	4464	20- 30	2287	4452	37.1, 37.1
40	3522	3560	3608	3556	3551	3494	3477	3440	30- 40	2525	6977	58.2, 58.2
50	2421	2438	2492	2425	2447	2379	2355	2305	40- 50	2292	9268	77.3, 77.3
60	1274	1279	1329	1246	1280	1206	1205	1150	50- 60	1616	10885	90.8, 90.8
70	474.0	469.2	480.3	434.3	440.9	406.0	427.5	410.5	60- 70	792.5	11677	97.4, 97.4
80	127.2	123.2	122.5	116.4	110.1	105.1	113.0	119.6	70- 80	256.7	11934	99.6, 99.6
90	6.965	6.743	6.679	6.666	6.236	6.352	6.445	6.447	80- 90	51.63	11986	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): 8180.8 lm

%lum = 68.3%

%lamp = 68.3%

Conical surface Flux(130deg): 11372 lm

%lum = 94.9%

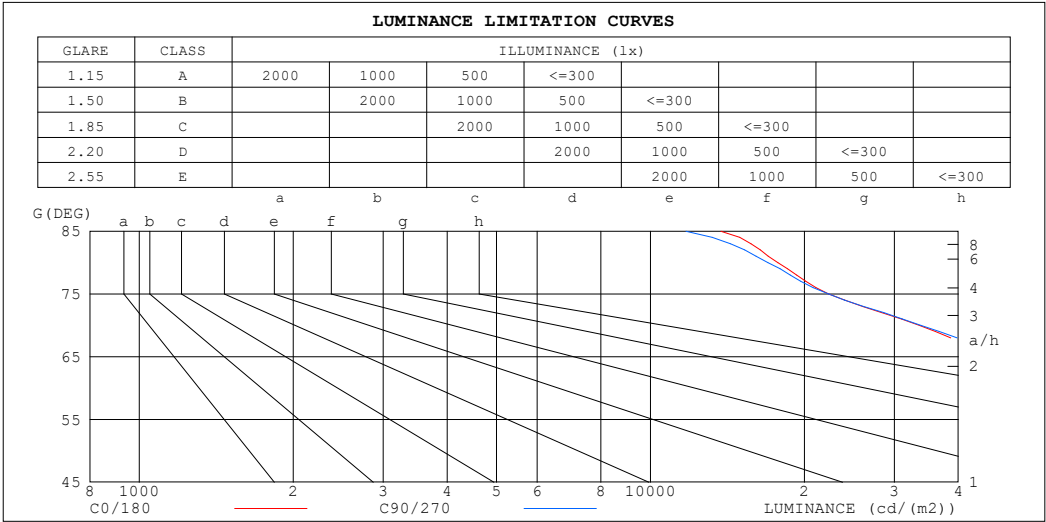
%lamp = 94.9%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28℃
 Operators: Li
 Test Date: 2025-12-20

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:230.13V I:0.389A P:81.44W PF:0.909 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:11985.7x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/LOW		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	13729	11734
80	17738	16977
75	22331	22311
70	33551	33808
65	46775	47917
60	61688	64007
55	77077	79751
50	91192	93312
45	102244	104105

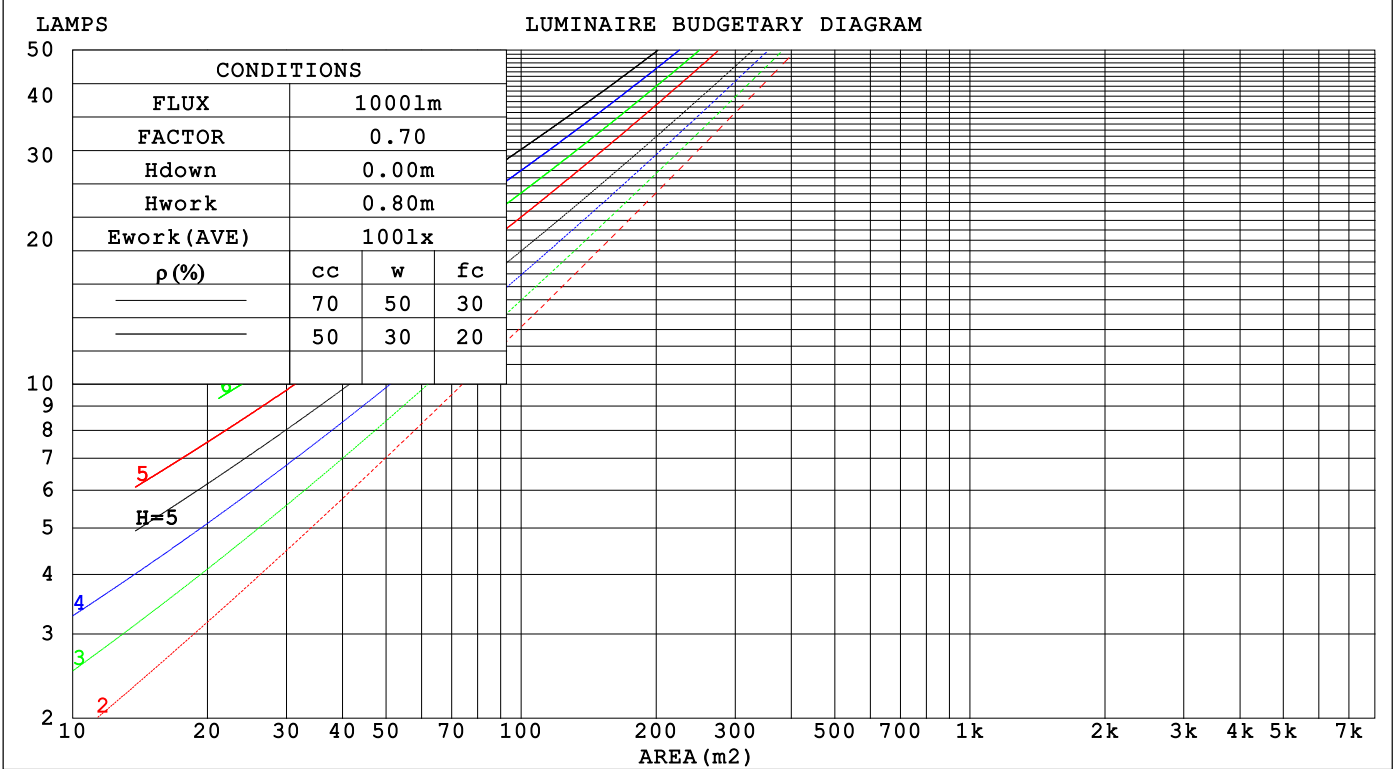
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-20

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:230.13V I:0.389A P:81.44W PF:0.909 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:11985.7x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/LOW		
MFR.: SOTEN		

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	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	.55	.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	.47	.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:2025-12-20

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:230.13V I:0.389A P:81.44W PF:0.909 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:11985.7x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/LOW		
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	.228	.131	.042	.217	.125	.040	.206	.119	.038															
2.0	.241	.132	.041	.235	.130	.040	.224	.125	.039	.214	.120	.038	.204	.115	.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	.177	.095	.028															
6.0	.191	.096	.027	.187	.095	.027	.181	.093	.027	.174	.090	.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:2025-12-20

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:230.13V I:0.389A P:81.44W PF:0.909 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:11985.7x1 lm										
NAME: H1005P-90D										
SPEC.: PHILIPS/LOW										
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	27.5	28.8	27.7	29.0	29.2	27.5	28.8	27.7	29.0	29.2
3H	27.9	29.1	28.2	29.3	29.5	27.9	29.1	28.2	29.3	29.6
4H	27.9	29.1	28.2	29.3	29.6	27.9	29.1	28.2	29.3	29.6
6H	27.9	29.0	28.2	29.3	29.5	27.9	29.0	28.2	29.3	29.5
8H	27.9	28.9	28.2	29.2	29.5	27.9	28.9	28.2	29.2	29.5
12H	27.9	28.9	28.2	29.2	29.4	27.9	28.9	28.2	29.2	29.4
4H 2H	27.7	28.8	28.0	29.1	29.3	27.7	28.9	28.0	29.1	29.3
3H	28.2	29.2	28.5	29.5	29.8	28.2	29.2	28.5	29.5	29.8
4H	28.3	29.2	28.6	29.5	29.8	28.3	29.2	28.6	29.5	29.8
6H	28.3	29.1	28.7	29.5	29.8	28.3	29.1	28.7	29.5	29.8
8H	28.3	29.1	28.7	29.4	29.8	28.3	29.1	28.7	29.4	29.8
12H	28.3	29.0	28.7	29.4	29.8	28.3	29.0	28.7	29.4	29.8
8H 4H	28.2	29.0	28.7	29.4	29.7	28.3	29.0	28.7	29.4	29.7
6H	28.3	28.9	28.8	29.3	29.8	28.3	28.9	28.8	29.3	29.8
8H	28.4	28.9	28.8	29.3	29.8	28.4	28.9	28.8	29.3	29.8
12H	28.4	28.8	28.9	29.3	29.8	28.4	28.8	28.8	29.3	29.7
12H 4H	28.2	28.9	28.6	29.3	29.7	28.2	28.9	28.6	29.3	29.7
6H	28.3	28.9	28.8	29.3	29.7	28.3	28.8	28.8	29.3	29.7
8H	28.4	28.8	28.8	29.3	29.7	28.3	28.8	28.8	29.3	29.7
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 / - 0.4					+ 0.3 / - 0.4				
2.0H	+ 1.1 / - 1.4					+ 1.1 / - 1.5				

CIE Pub.117, 11986 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 8.6)
 Area: 0.0415 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28℃
 Operators:Li
 Test Date:2025-12-20

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:230.13V I:0.389A P:81.44W PF:0.909 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:11985.7x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/LOW		
MFR.: SOTEN		

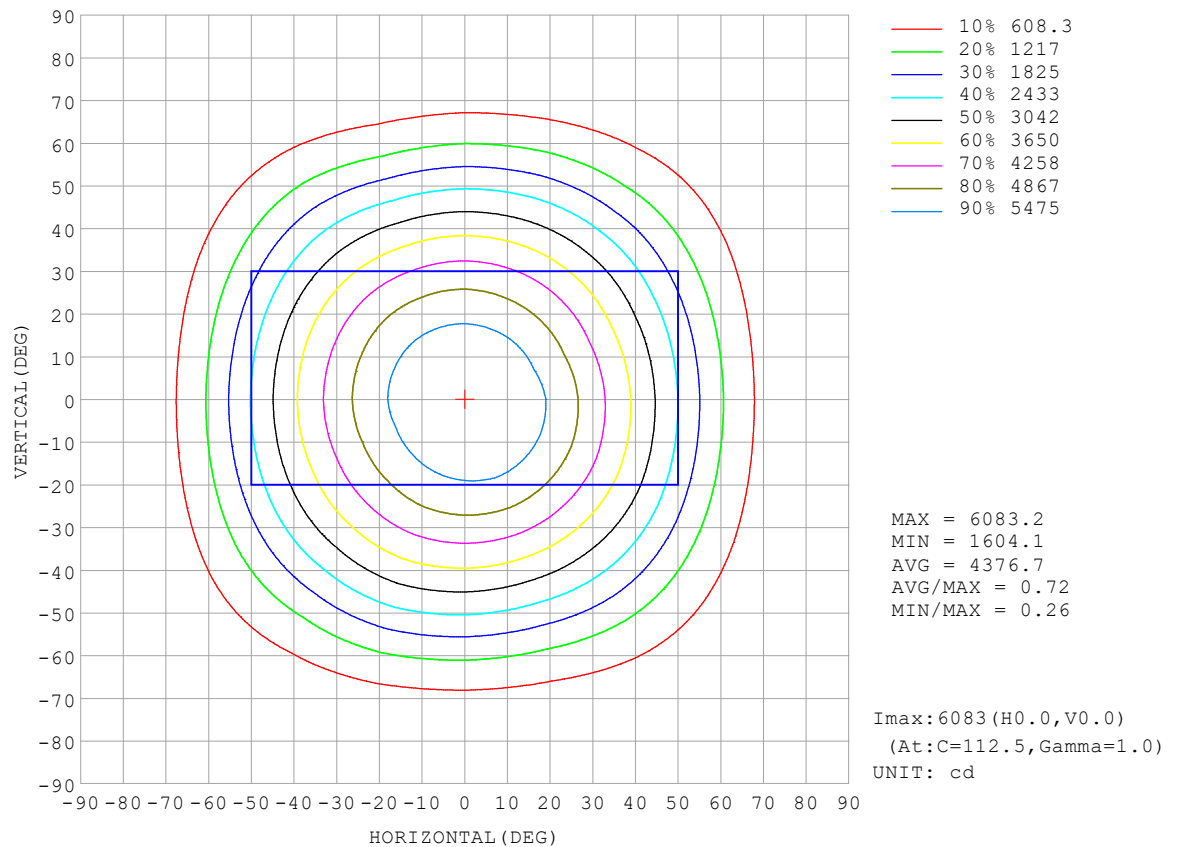
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	55	49	64	55	48	63	54	48	43
0.80	75	65	59	74	65	59	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	96	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: 2025-12-20

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:230.13V I:0.389A P:81.44W PF:0.909 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:11985.7x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/LOW		
MFR.: SOTEN		

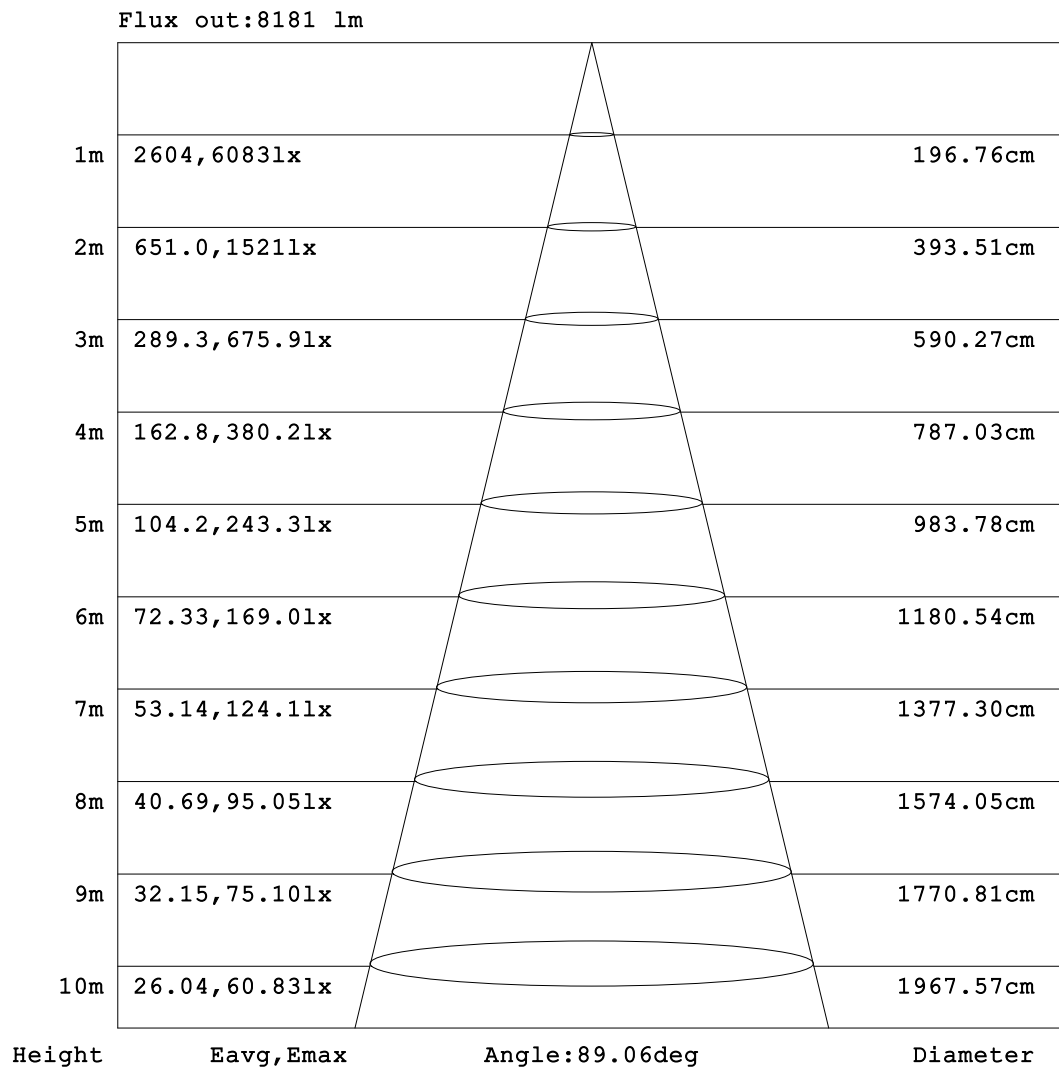


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28℃
 Operators:Li
 Test Date:2025-12-20

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:230.13V I:0.389A P:81.44W PF:0.909 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:11985.7x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/LOW		
MFR.: SOTEN		



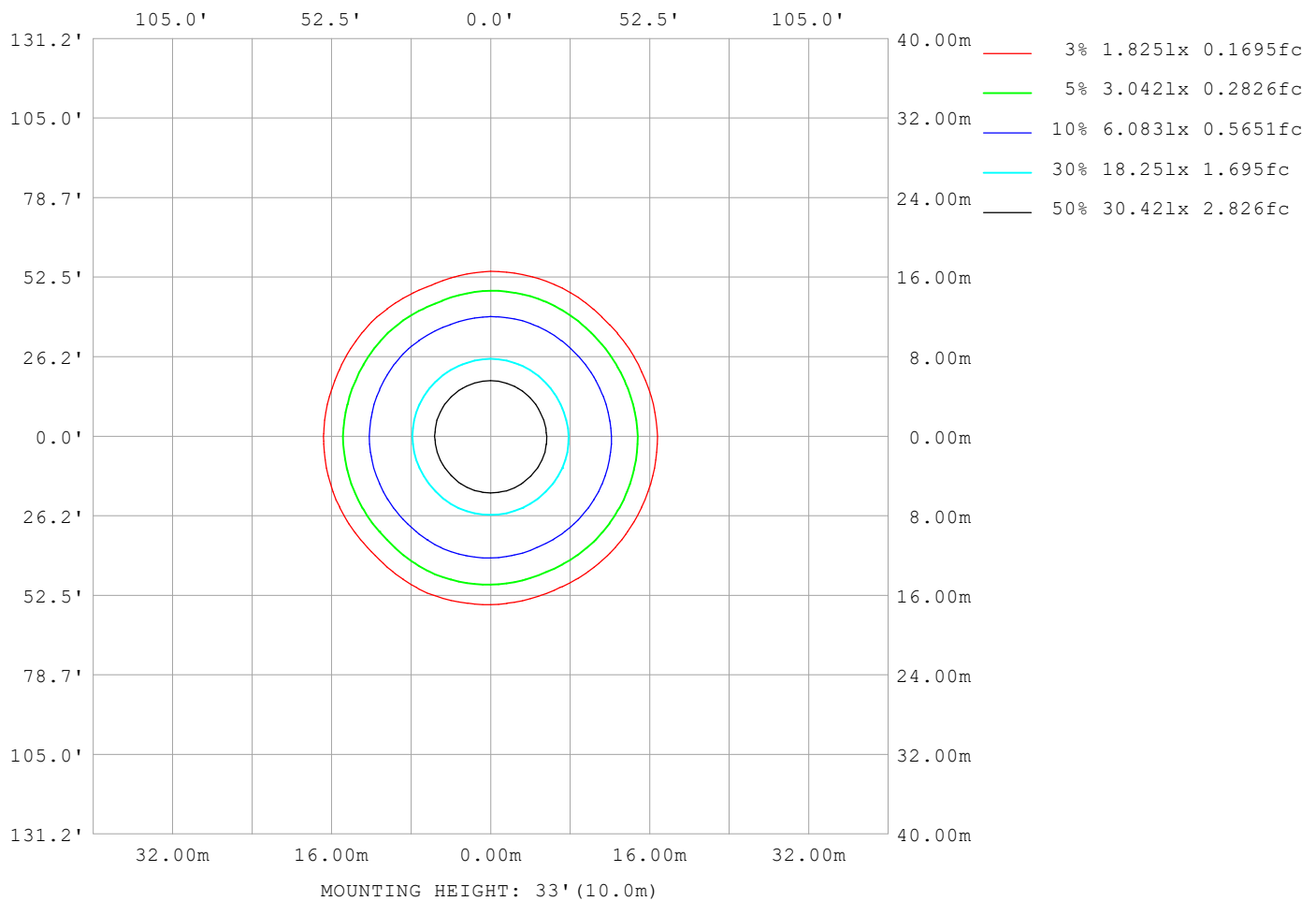
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28°C
 Operators: Li
 Test Date: 2025-12-20

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:230.13V I:0.389A P:81.44W PF:0.909 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:11985.7x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/LOW		
MFR.: SOTEN		



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28°C
 Operators: Li
 Test Date: 2025-12-20

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:230.13V I:0.389A P:81.44W PF:0.909 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:11985.7x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/LOW		
MFR.: SOTEN		

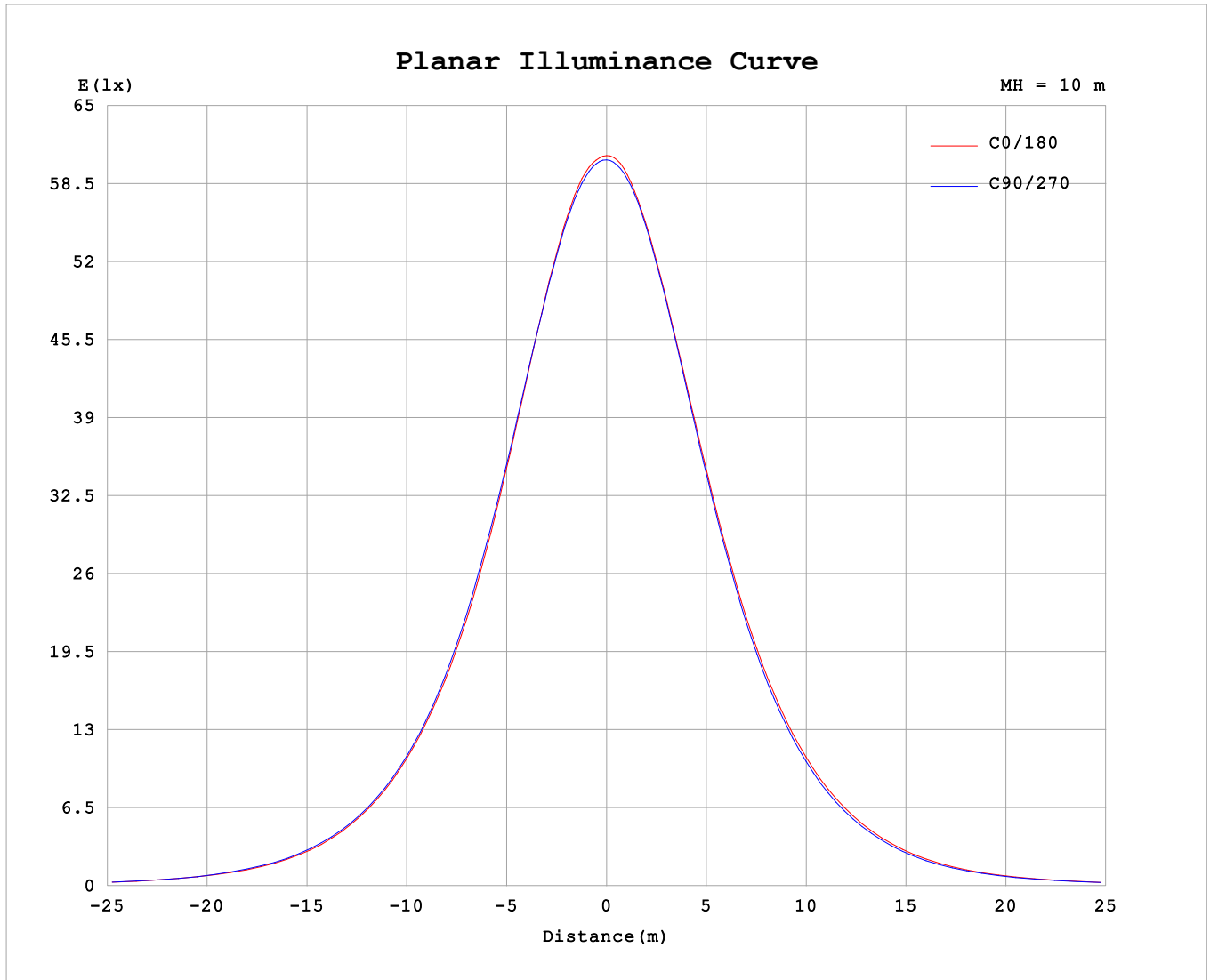
AvgL	cd/m2
L_0~180 (65) av	46090
L_0~180 (75) av	21331
L_0~180 (85) av	11386
L_90~270 (65) av	45597
L_90~270 (75) av	21205
L_90~270 (85) av	11000
L_45 (65) av	43882
L_45 (75) av	20656
L_45 (85) av	11000

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28℃
 Operators: Li
 Test Date: 2025-12-20

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: 2025-12-20

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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