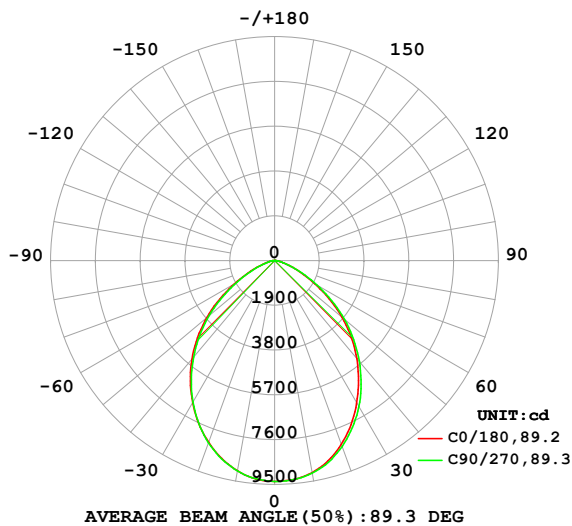


LUMINAIRE PHOTOMETRIC TEST REPORT

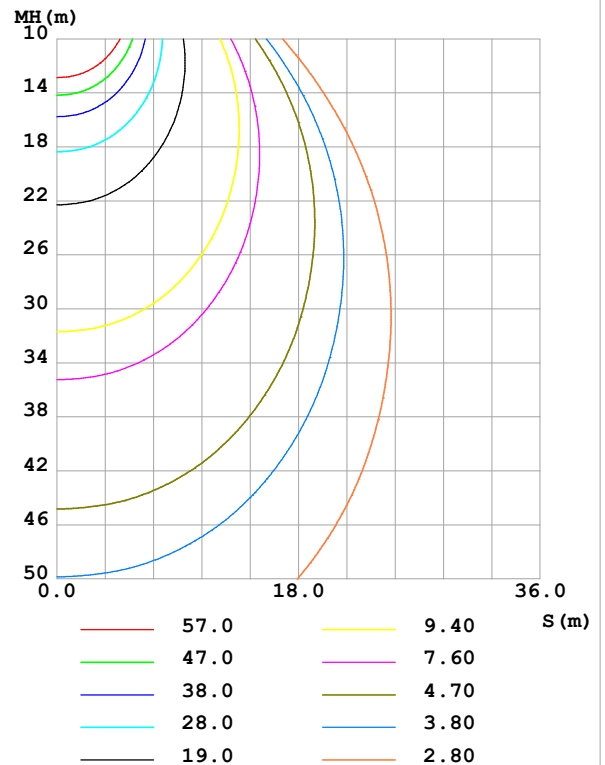
Test:U:229.95V I:0.662A P:146.39W PF:0.962 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18518.5x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.50 lm/W			
MODEL	2835	I _{max} (cd)	9368	S/MH(C0/180)	1.12
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.12
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	18519	η UP,DN(C0-180)	0.0,50.9
NOMINAL FLUX(lm)	18518.5	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	9137	9176	9159	9112	9055	9053	9066	9086	0- 10	882.0	882.0	4.76,4.76
20	8290	8404	8393	8271	8200	8216	8221	8218	10- 20	2464	3346	18.1,18.1
30	6974	7113	7156	7028	6958	6946	6933	6894	20- 30	3531	6877	37.1,37.1
40	5433	5512	5595	5510	5460	5372	5351	5308	30- 40	3899	10776	58.2,58.2
50	3732	3782	3875	3764	3755	3649	3621	3555	40- 50	3538	14314	77.3,77.3
60	1969	1987	2071	1922	1969	1852	1852	1770	50- 60	2496	16810	90.8,90.8
70	736.5	735.7	749.6	677.6	683.5	627.7	657.7	632.7	60- 70	1228	18038	97.4,97.4
80	200.8	192.6	191.9	182.3	173.7	164.4	175.2	184.9	70- 80	399.8	18438	99.6,99.6
90	10.81	10.46	10.36	10.31	9.697	9.876	10.06	10.04	80- 90	80.97	18519	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): 12635 lm

%lum = 68.2%

%lamp = 68.2%

Conical surface Flux(130deg): 17564 lm

%lum = 94.8%

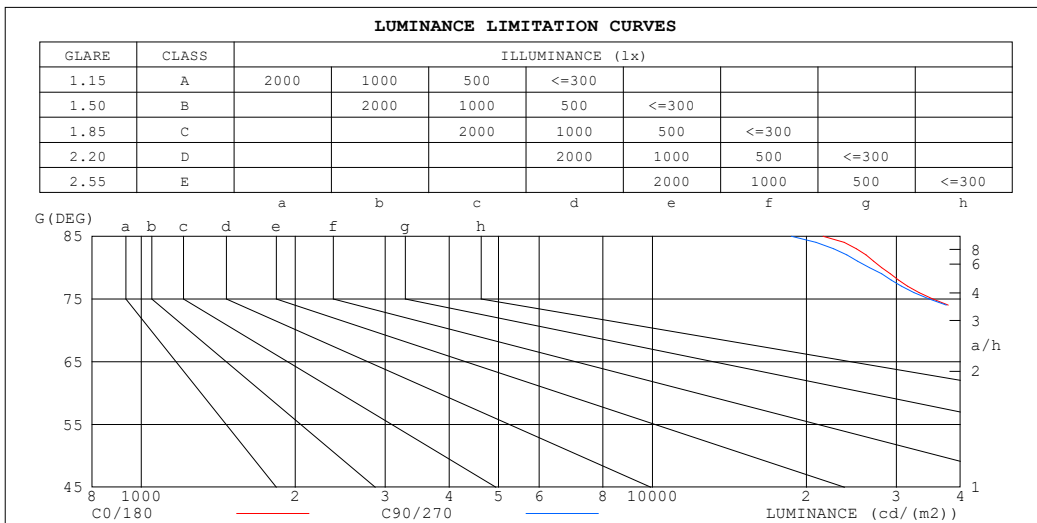
%lamp = 94.8%

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:229.95V I:0.662A P:146.39W PF:0.962 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18518.5x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	21550	18695
80	28091	26584
75	35337	34825
70	52316	52728
65	72715	74776
60	95661	99660
55	119353	124066
50	141062	145020
45	158234	161506

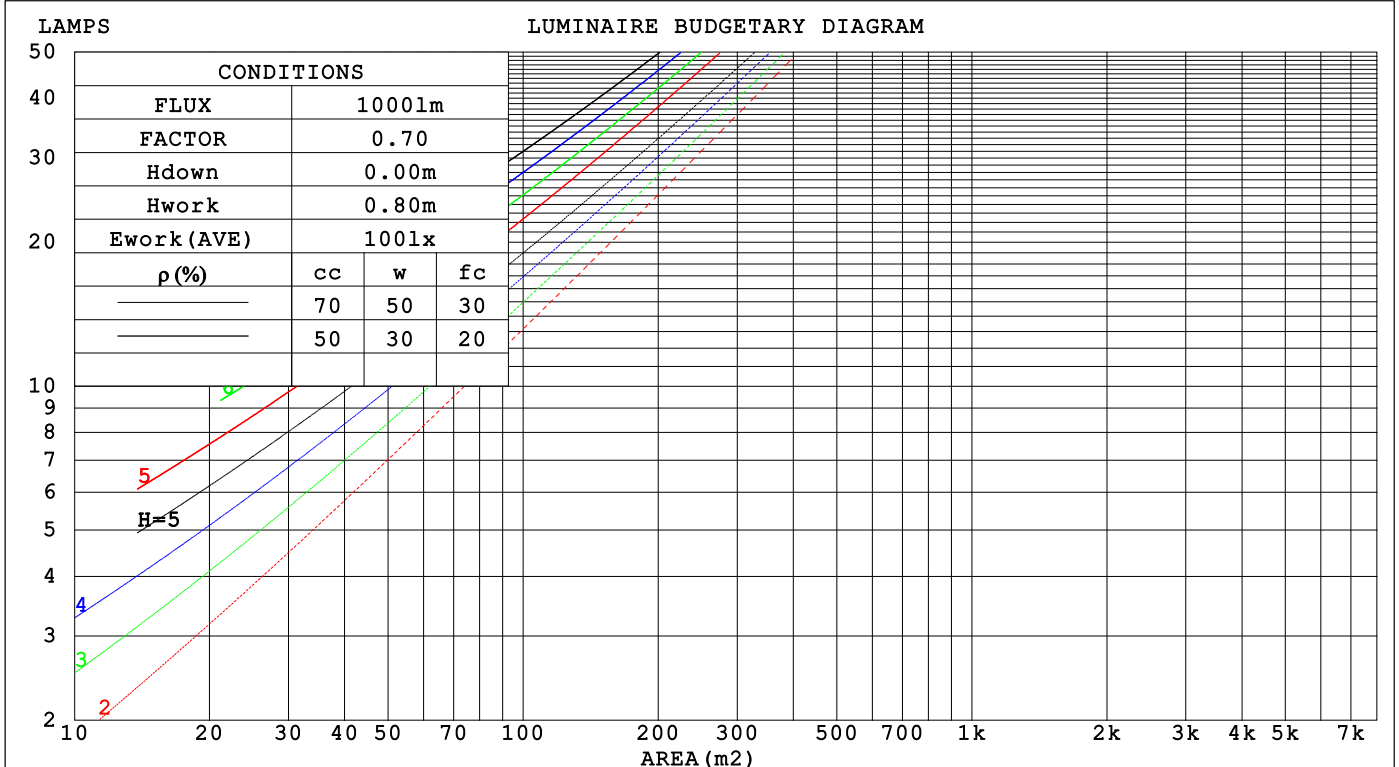
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-22

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:229.95V I:0.662A P:146.39W PF:0.962 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18518.5x1 lm		
NAME: H1005P-90D		
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			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:229.95V I:0.662A P:146.39W PF:0.962 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18518.5x1 lm		
NAME: H1005P-90D		
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	.248	.141	.045	.242	.138	.044	.229	.131	.042	.217	.125	.040	.206	.119	.038															
2.0	.242	.132	.041	.236	.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:229.95V I:0.662A P:146.39W PF:0.962 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18518.5x1 lm										
NAME: H1005P-90D										
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	29.0	30.3	29.3	30.5	30.7	29.0	30.4	29.3	30.6	30.8
3H	29.4	30.7	29.7	30.9	31.1	29.4	30.7	29.7	30.9	31.1
4H	29.5	30.6	29.8	30.9	31.1	29.5	30.6	29.8	30.9	31.1
6H	29.5	30.6	29.8	30.8	31.1	29.5	30.6	29.8	30.8	31.1
8H	29.5	30.5	29.8	30.8	31.1	29.5	30.5	29.8	30.8	31.1
12H	29.4	30.4	29.8	30.7	31.0	29.4	30.4	29.8	30.7	31.0
4H 2H	29.2	30.4	29.5	30.6	30.9	29.2	30.4	29.6	30.7	30.9
3H	29.7	30.7	30.1	31.0	31.3	29.7	30.8	30.1	31.0	31.3
4H	29.8	30.8	30.2	31.1	31.4	29.8	30.8	30.2	31.1	31.4
6H	29.9	30.7	30.3	31.0	31.4	29.9	30.7	30.3	31.0	31.4
8H	29.9	30.6	30.3	31.0	31.4	29.9	30.6	30.3	31.0	31.4
12H	29.9	30.6	30.3	30.9	31.3	29.9	30.5	30.3	30.9	31.3
8H 4H	29.8	30.6	30.2	30.9	31.3	29.8	30.6	30.2	30.9	31.3
6H	29.9	30.5	30.3	30.9	31.3	29.9	30.5	30.3	30.9	31.3
8H	29.9	30.5	30.4	30.9	31.3	29.9	30.5	30.4	30.9	31.3
12H	30.0	30.4	30.4	30.9	31.3	29.9	30.4	30.4	30.8	31.3
12H 4H	29.8	30.5	30.2	30.8	31.2	29.8	30.5	30.2	30.8	31.2
6H	29.9	30.4	30.3	30.8	31.3	29.9	30.4	30.3	30.8	31.3
8H	29.9	30.4	30.4	30.8	31.3	29.9	30.4	30.4	30.8	31.3
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, 18519 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 10.1)
 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:229.95V I:0.662A P:146.39W PF:0.962 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18518.5x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

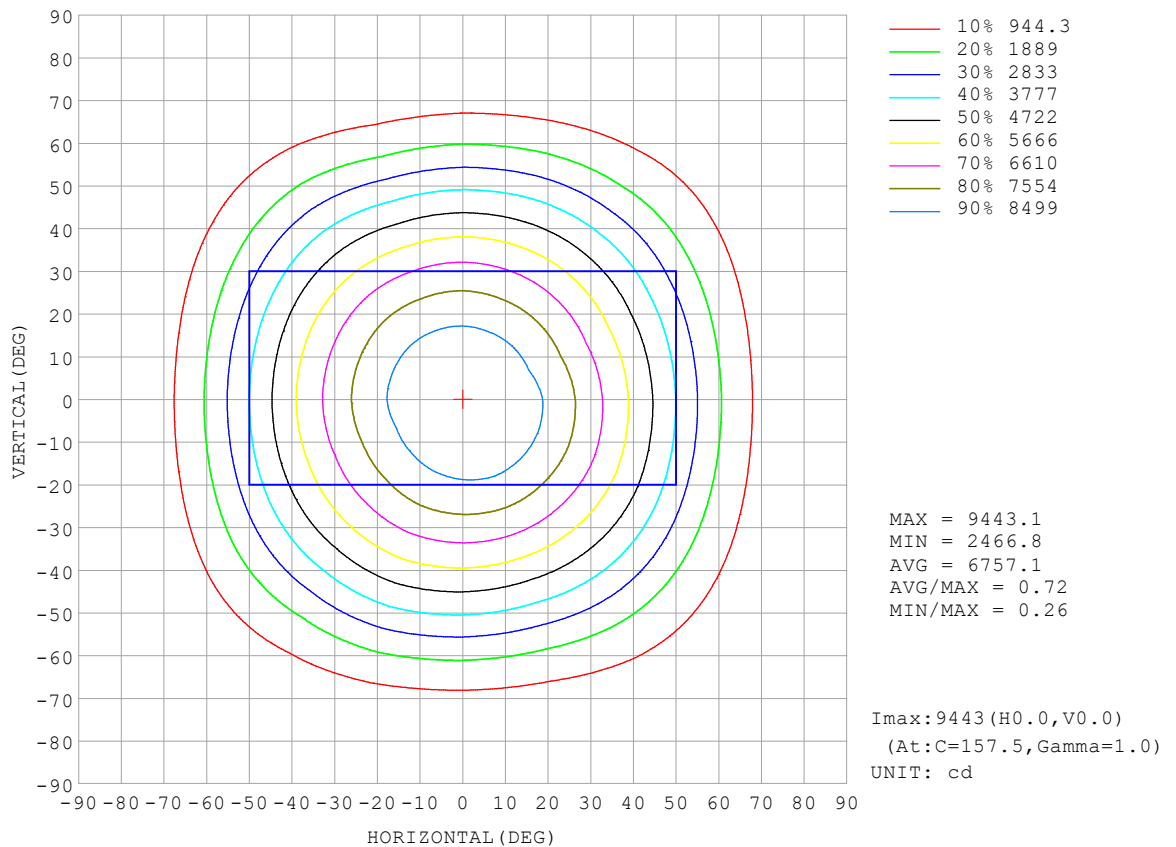
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	55	49	64	55	48	63	54	48	43
0.80	75	65	59	74	65	59	73	64	58	52
1.00	83	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:229.95V I:0.662A P:146.39W PF:0.962 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18518.5x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

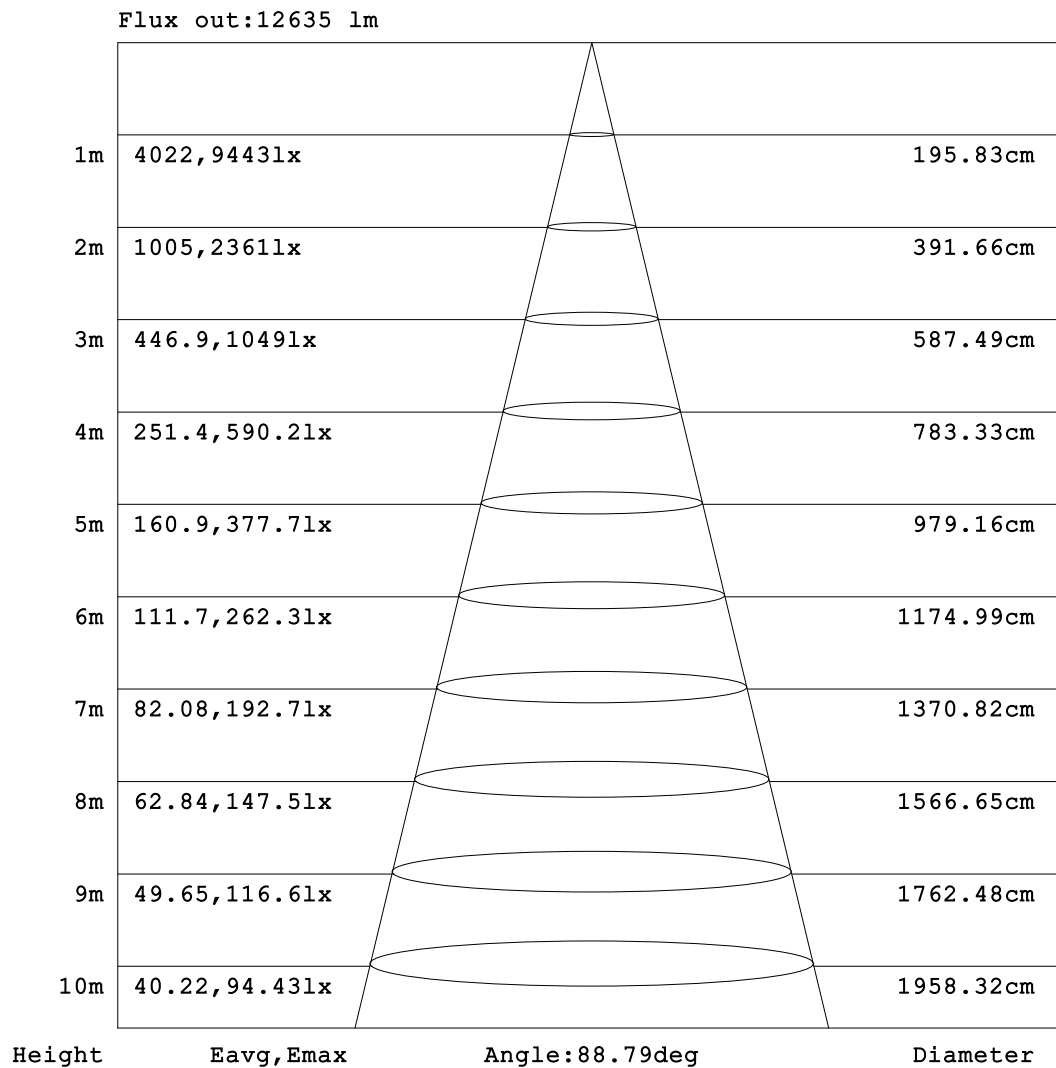


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-22

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:229.95V I:0.662A P:146.39W PF:0.962 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18518.5x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		



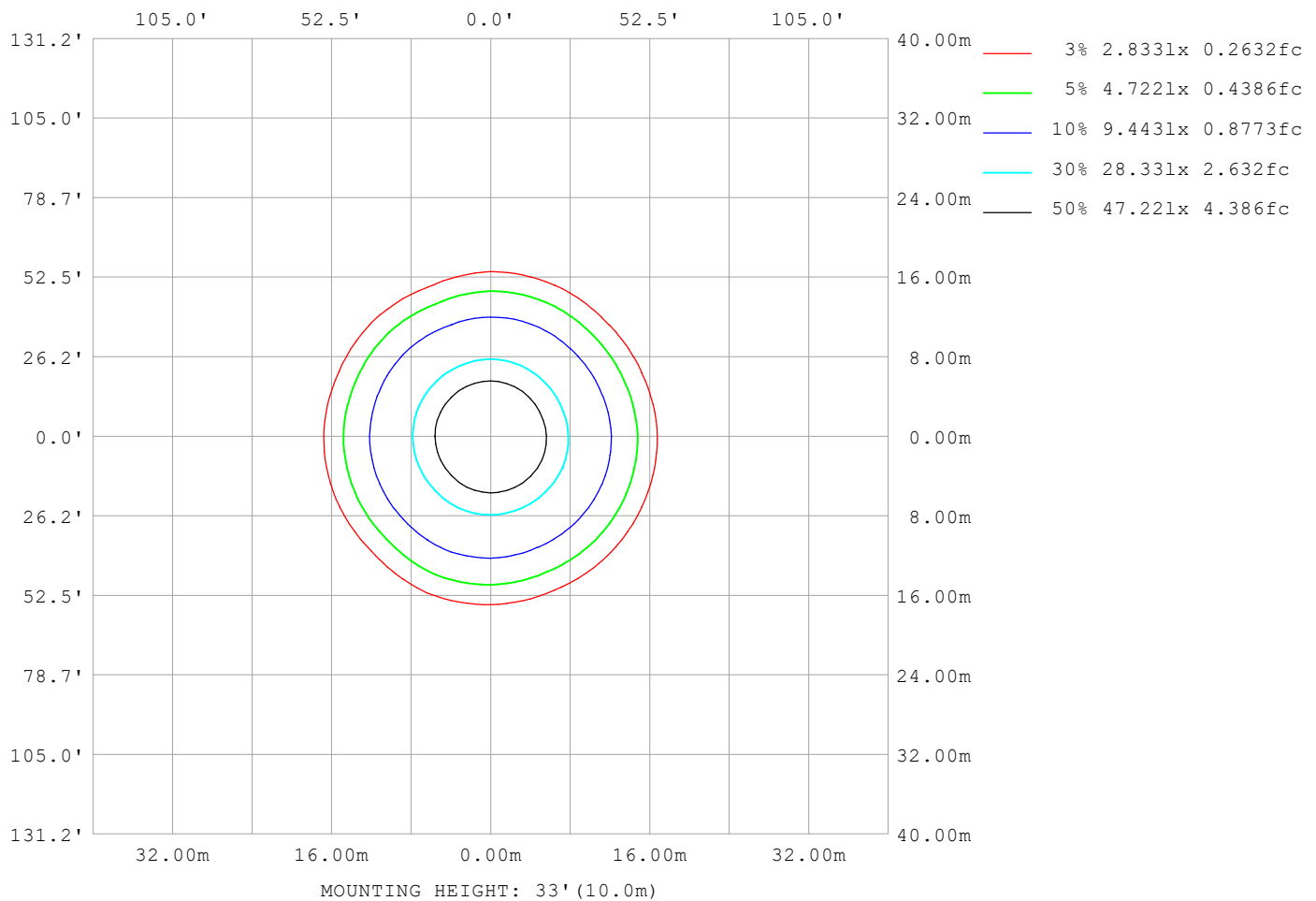
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:229.95V I:0.662A P:146.39W PF:0.962 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18518.5x1 lm		
NAME: H1005P-90D		
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:229.95V I:0.662A P:146.39W PF:0.962 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:18518.5x1 lm		
NAME: H1005P-90D		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

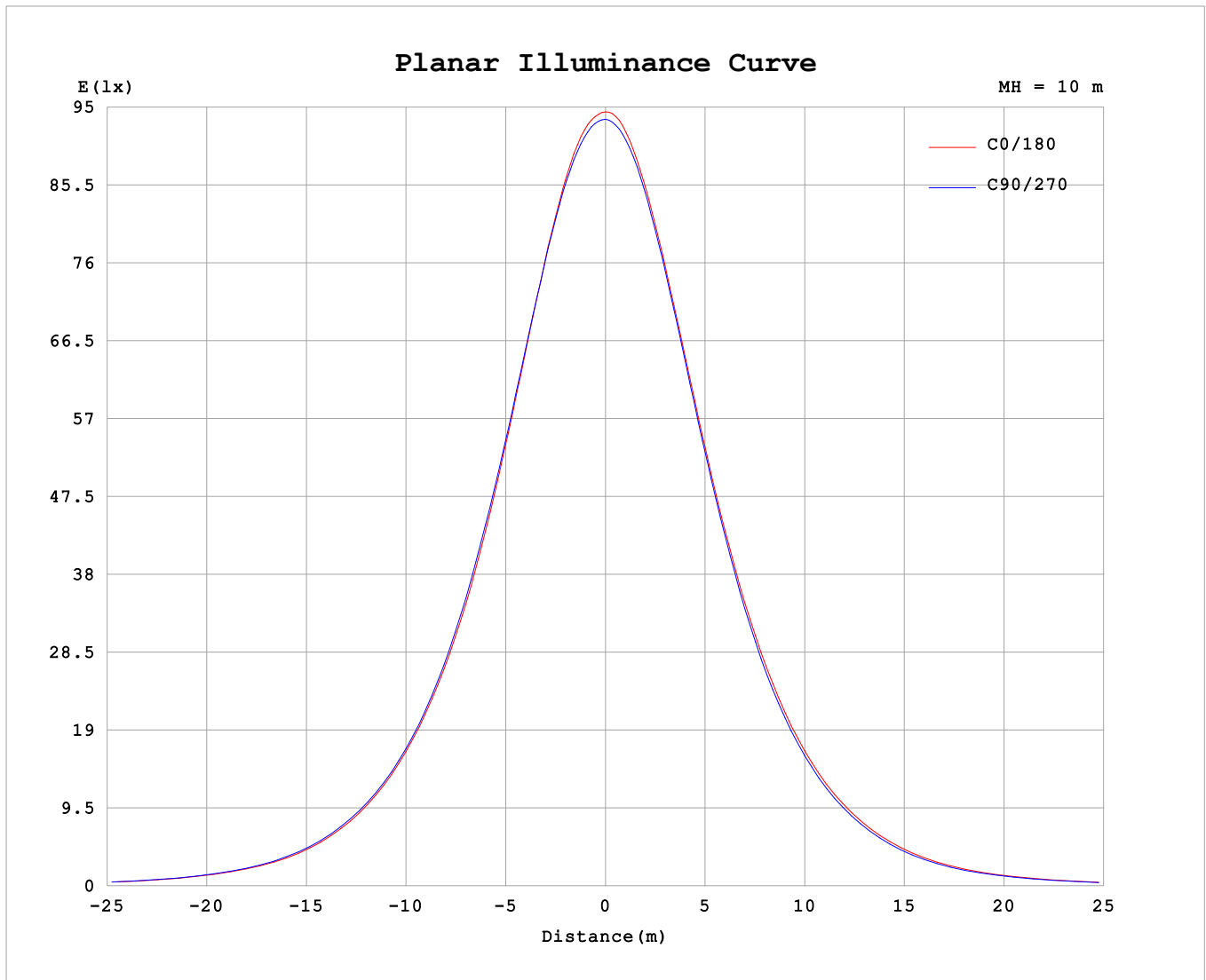
AvgL	cd/m2
L_0~180 (65) av	71385
L_0~180 (75) av	33554
L_0~180 (85) av	17940
L_90~270 (65) av	70632
L_90~270 (75) av	32926
L_90~270 (85) av	17236
L_45 (65) av	68103
L_45 (75) av	32188
L_45 (85) av	17262

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:

```