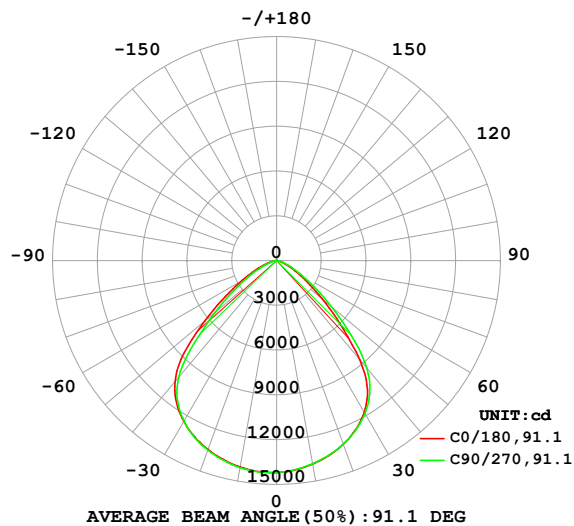


LUMINAIRE PHOTOMETRIC TEST REPORT

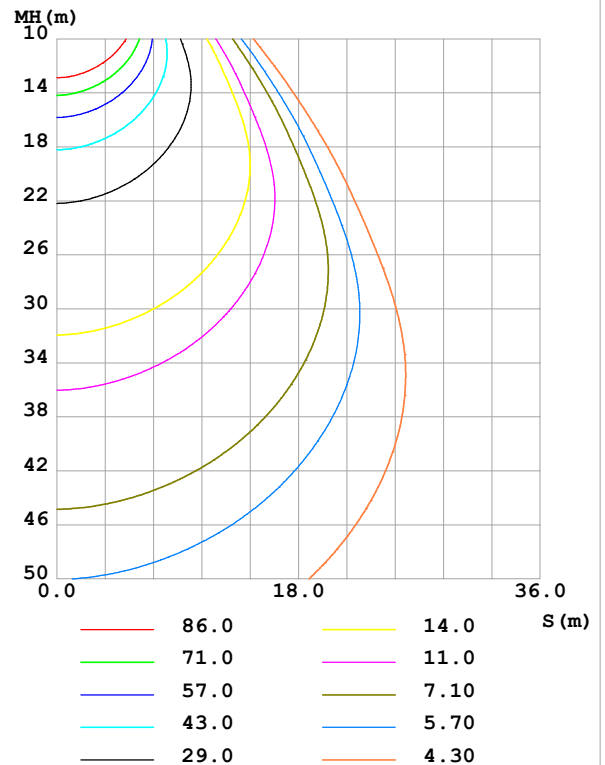
Test:U:229.83V I:0.884A P:197.04W PF:0.970 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28292.3x1 lm		
NAME: H1003P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.59 lm/W			
MODEL	2835	I _{max} (cd)	14227	S/MH(C0/180)	1.30
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	28292	η UP,DN(C0-180)	0.0,48.4
NOMINAL FLUX(lm)	28292.3	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.6
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: 2025-12-25

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	1385	1378	1382	1393	1404	1410	1408	1399	0- 10	1343	1343	4.75, 4.75
20	1309	1297	1308	1330	1347	1353	1350	1335	10- 20	3859	5203	18.4, 18.4
30	1174	1161	1183	1222	1244	1248	1242	1216	20- 30	5888	11091	39.2, 39.2
40	867.3	872.6	941.4	1023	1060	1054	1022	952.4	30- 40	6951	18042	63.8, 63.8
50	400.7	396.7	480.3	546.2	626.9	595.0	535.6	415.6	40- 50	5673	23714	83.8, 83.8
60	157.1	144.1	191.1	193.5	265.1	237.3	220.4	136.4	50- 60	2934	26648	94.2, 94.2
70	48.70	45.95	63.94	61.77	92.97	78.79	74.65	46.91	60- 70	1215	27863	98.5, 98.5
80	4.708	6.380	12.59	16.81	24.46	20.79	15.82	6.947	70- 80	386.0	28249	99.8, 99.8
90	1.655	1.545	1.357	1.093	0.9822	0.9453	1.102	1.243	80- 90	43.72	28292	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): 21233 lm

%lum = 75.0%

%lamp = 75.0%

Conical surface Flux(130deg): 27404 lm

%lum = 96.9%

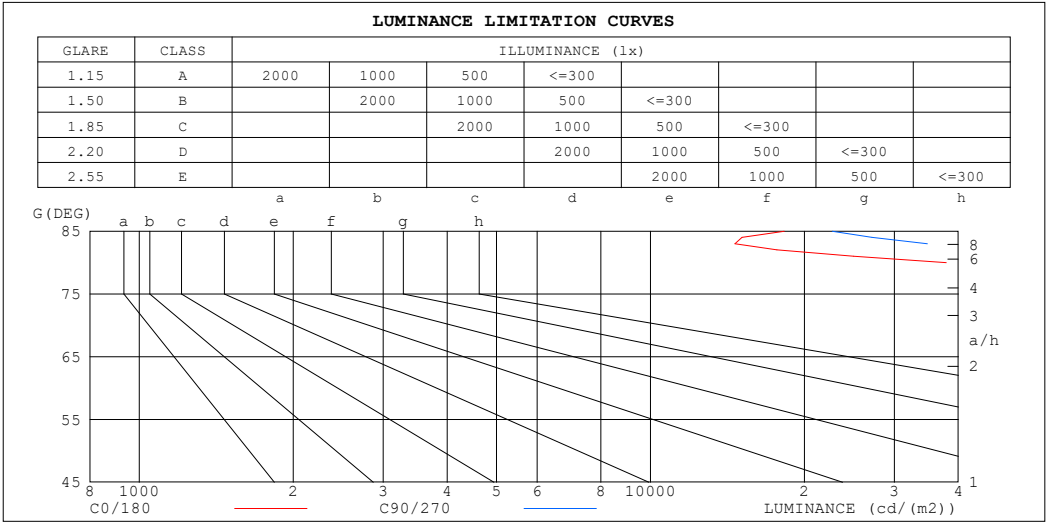
%lamp = 96.9%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28℃
 Operators: Li
 Test Date: 2025-12-25

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:229.83V I:0.884A P:197.04W PF:0.970 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28292.3x1 lm		
NAME: H1003P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18263	22675
80	37872	100552
75	122714	171482
70	198889	259292
65	301683	378758
60	438974	530001
55	617497	744386
50	870808	1036313
45	1193701	1384637

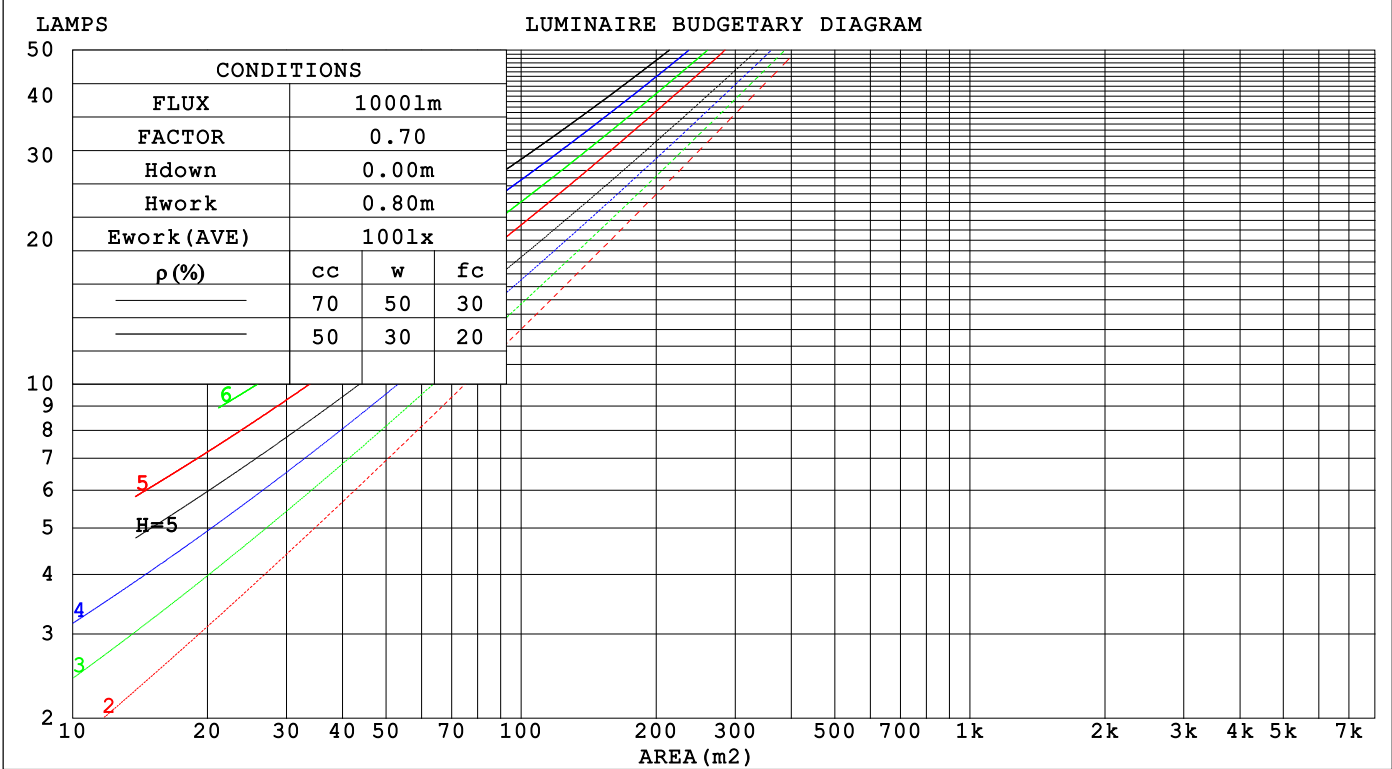
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-25

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:229.83V I:0.884A P:197.04W PF:0.970 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28292.3x1 lm		
NAME: H1003P		
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															



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-25

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:229.83V I:0.884A P:197.04W PF:0.970 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28292.3x1 lm		
NAME: H1003P		
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	.232	.132	.042	.226	.129	.041	.213	.122	.039	.201	.116	.037	.190	.110	.035															
2.0	.227	.125	.038	.221	.122	.038	.210	.117	.036	.200	.112	.035	.190	.108	.034															
3.0	.217	.116	.035	.212	.114	.034	.202	.110	.033	.193	.106	.032	.185	.102	.032															
4.0	.206	.107	.031	.201	.105	.031	.193	.102	.031	.185	.099	.030	.177	.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	.156	.076	.021	.154	.075	.021	.149	.074	.021	.144	.072	.021	.140	.071	.021															
10.0	.149	.071	.020	.146	.071	.020	.142	.069	.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	.140	.150	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.164	.132	.106	.140	.114	.091	.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	.108	.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	.013	.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:2025-12-25

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:229.83V I:0.884A P:197.04W PF:0.970 Freq:49.99Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28292.3x1 lm										
NAME: H1003P										
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	24.7	25.9	24.9	26.1	26.3	25.2	26.5	25.5	26.7	26.9
3H	24.7	25.9	25.0	26.1	26.3	25.4	26.5	25.6	26.8	27.0
4H	24.7	25.8	25.0	26.0	26.2	25.3	26.5	25.6	26.7	26.9
6H	24.6	25.6	24.9	25.9	26.1	25.3	26.3	25.6	26.6	26.8
8H	24.5	25.5	24.9	25.8	26.1	25.2	26.2	25.6	26.5	26.8
12H	24.5	25.4	24.8	25.7	26.0	25.2	26.2	25.5	26.4	26.7
4H 2H	24.6	25.7	24.9	26.0	26.2	25.2	26.3	25.5	26.5	26.7
3H	24.7	25.7	25.1	26.0	26.3	25.3	26.3	25.7	26.6	26.9
4H	24.7	25.6	25.1	25.9	26.2	25.4	26.2	25.7	26.5	26.9
6H	24.6	25.4	25.0	25.7	26.1	25.3	26.1	25.7	26.4	26.8
8H	24.6	25.3	25.0	25.7	26.0	25.3	26.0	25.7	26.3	26.7
12H	24.5	25.2	25.0	25.6	26.0	25.2	25.9	25.7	26.3	26.7
8H 4H	24.6	25.3	25.0	25.7	26.1	25.3	26.0	25.7	26.3	26.7
6H	24.6	25.1	25.0	25.5	25.9	25.2	25.8	25.7	26.2	26.6
8H	24.5	25.0	25.0	25.4	25.9	25.2	25.7	25.7	26.1	26.6
12H	24.5	24.9	24.9	25.3	25.8	25.2	25.6	25.6	26.0	26.5
12H 4H	24.6	25.2	25.0	25.6	26.0	25.2	25.9	25.6	26.2	26.6
6H	24.5	25.0	25.0	25.4	25.9	25.2	25.7	25.6	26.1	26.6
8H	24.5	24.9	24.9	25.3	25.8	25.2	25.6	25.6	26.0	26.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.5 / - 2.5					+ 1.3 / - 2.0				
1.5H	+ 1.5 / - 1.8					+ 1.2 / - 1.7				
2.0H	+ 3.1 / - 3.4					+ 3.2 / - 3.3				

CIE Pub.117, 28292 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 11.6)
 Area: 0.0072 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28℃
 Operators:Li
 Test Date:2025-12-25

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:229.83V I:0.884A P:197.04W PF:0.970 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28292.3x1 lm		
NAME: H1003P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

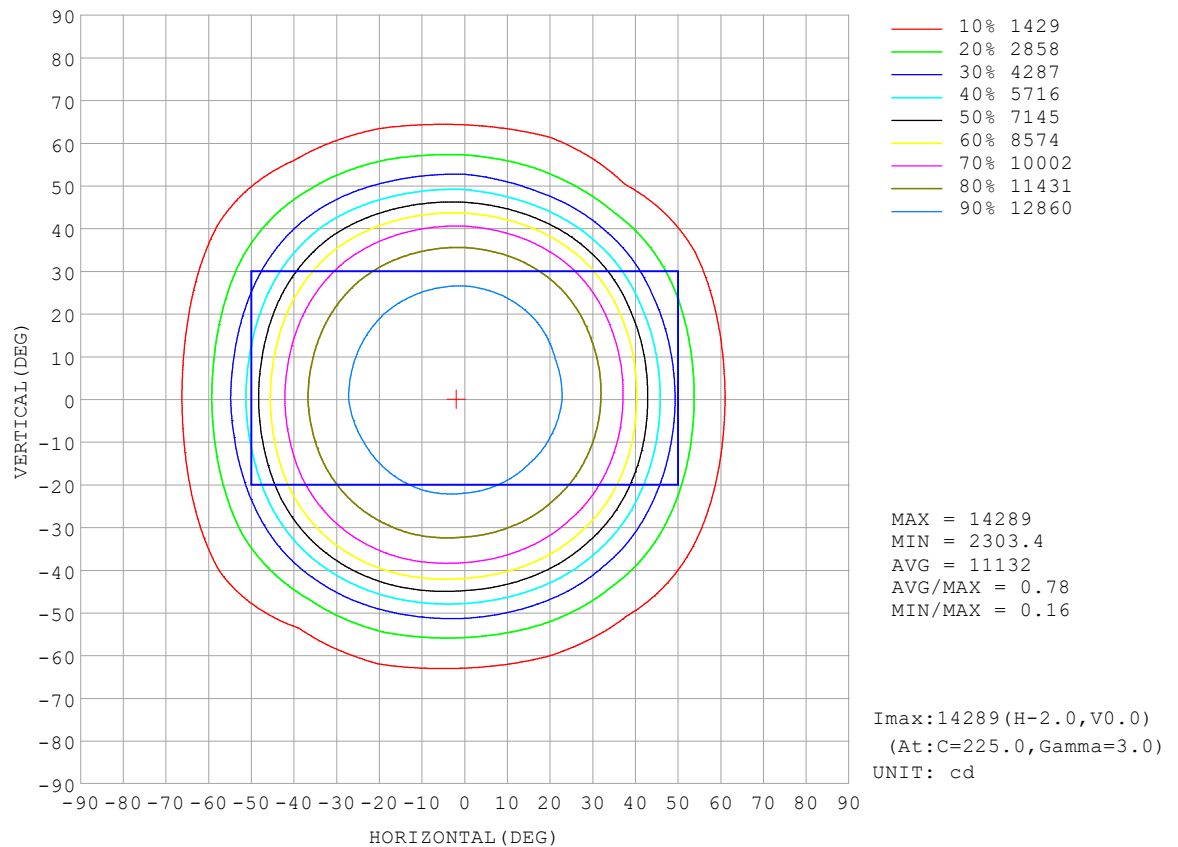
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	59	53	68	59	53	67	58	53	47
0.80	79	69	63	78	69	63	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: 2025-12-25

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:229.83V I:0.884A P:197.04W PF:0.970 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28292.3x1 lm		
NAME: H1003P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

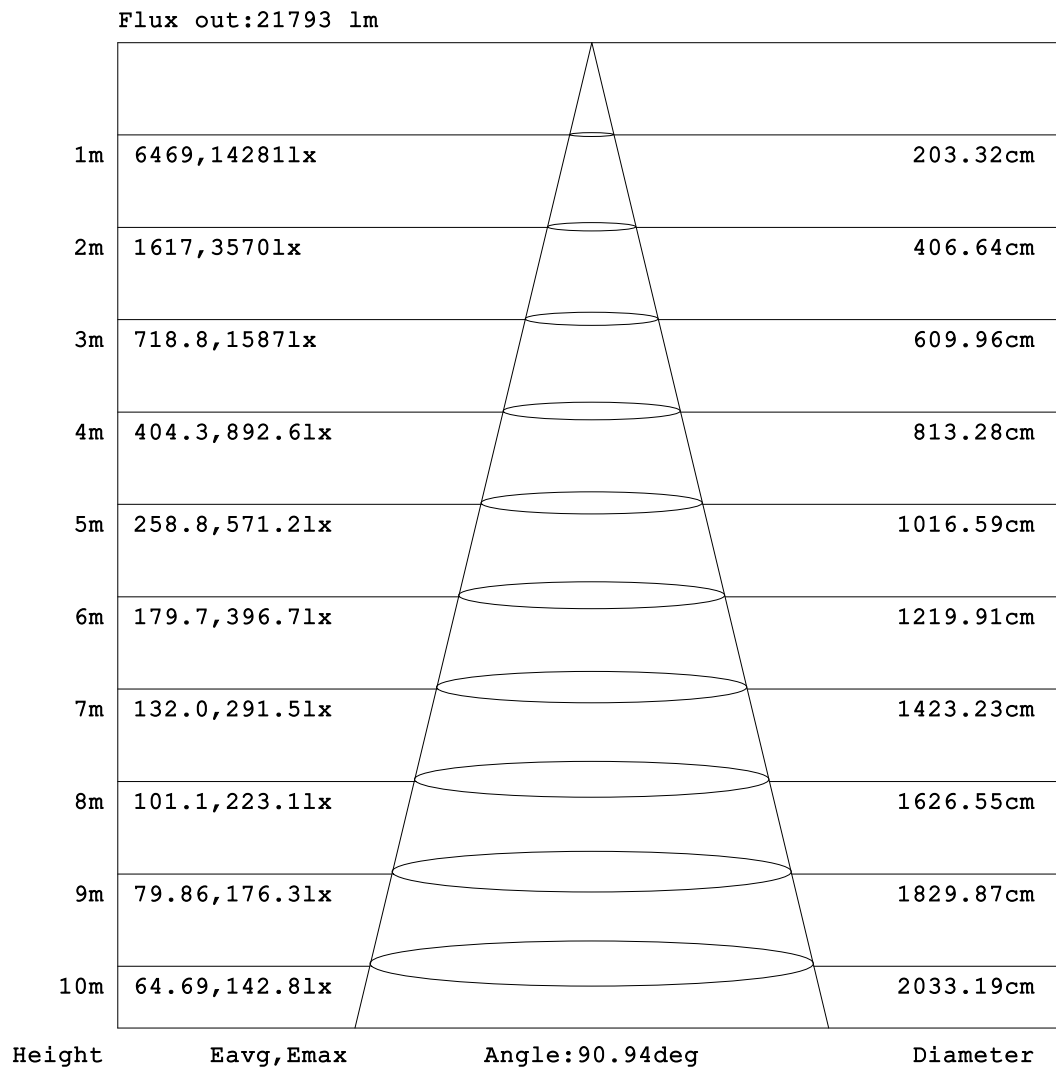


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28℃
Operators:Li
Test Date:2025-12-25

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:229.83V I:0.884A P:197.04W PF:0.970 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28292.3x1 lm		
NAME: H1003P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		



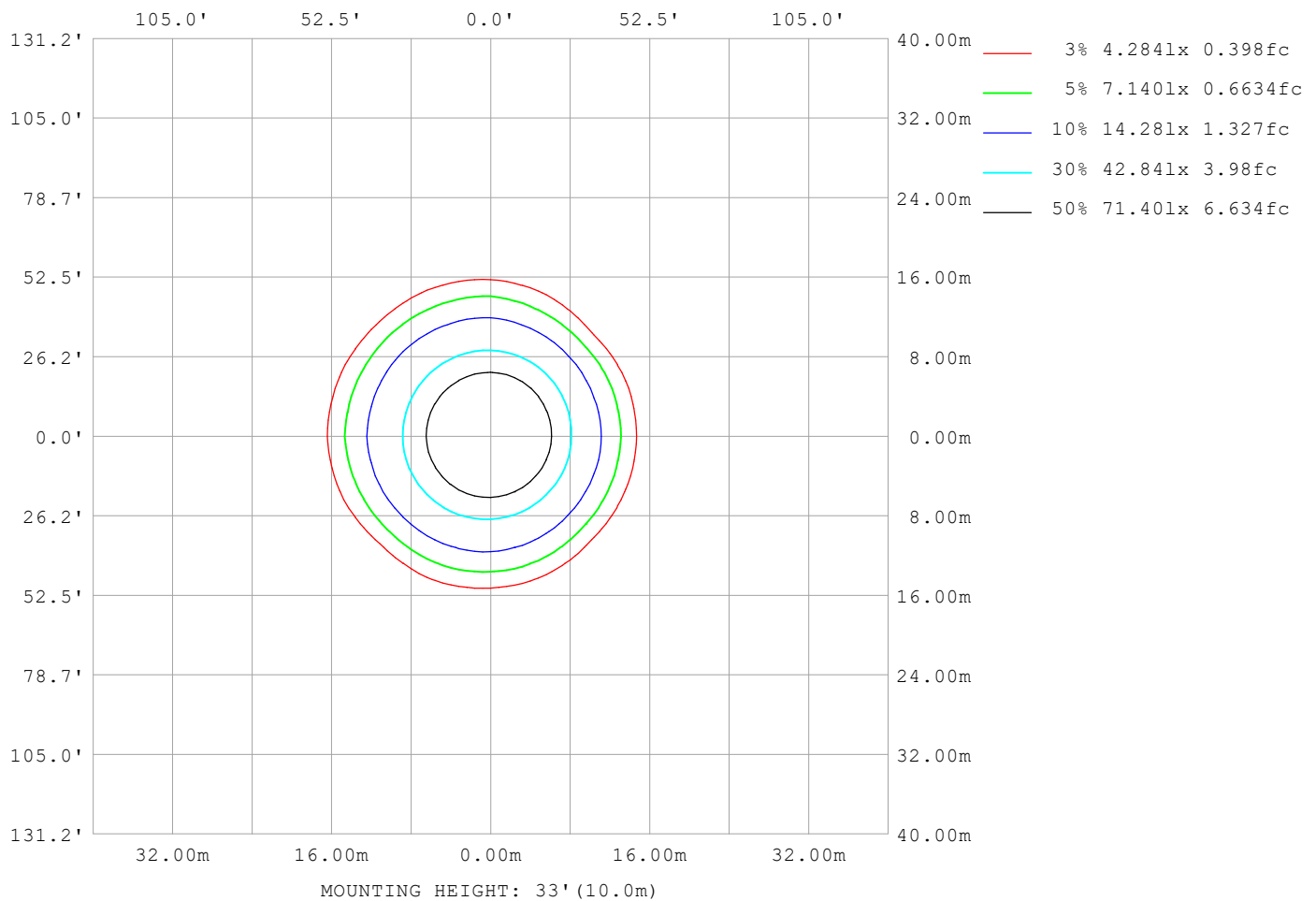
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28°C
 Operators: Li
 Test Date: 2025-12-25

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:229.83V I:0.884A P:197.04W PF:0.970 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28292.3x1 lm		
NAME: H1003P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28°C
 Operators: Li
 Test Date: 2025-12-25

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:229.83V I:0.884A P:197.04W PF:0.970 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:28292.3x1 lm		
NAME: H1003P		
SPEC.: PHILIPS/HIGH		
MFR.: SOTEN		

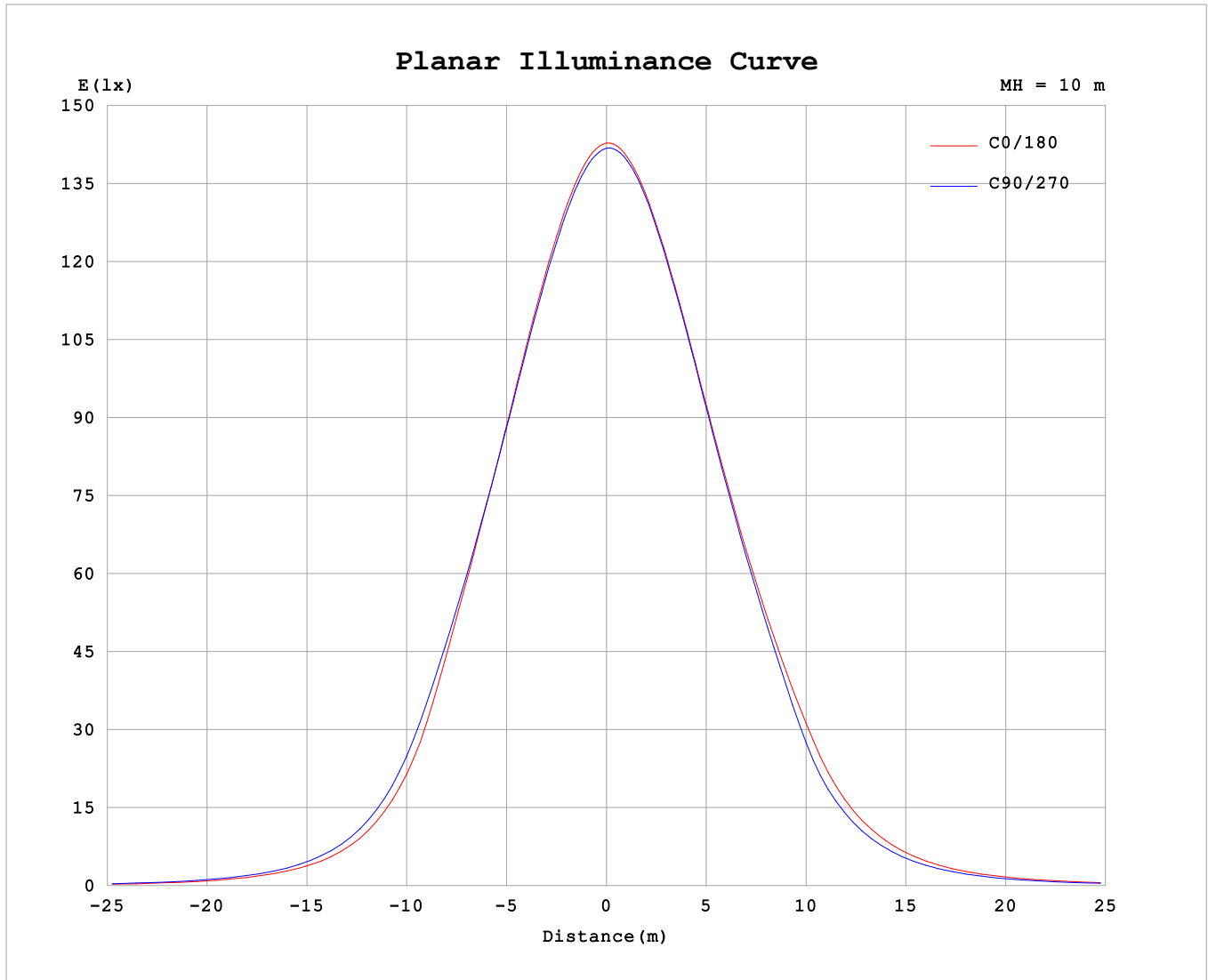
AvgL	cd/m2
L_0~180 (65) av	416183
L_0~180 (75) av	196888
L_0~180 (85) av	42337
L_90~270 (65) av	406892
L_90~270 (75) av	191676
L_90~270 (85) av	21399
L_45 (65) av	330578
L_45 (75) av	170065
L_45 (85) av	29765

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28℃
 Operators: Li
 Test Date: 2025-12-25

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: 2025-12-25

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:

```