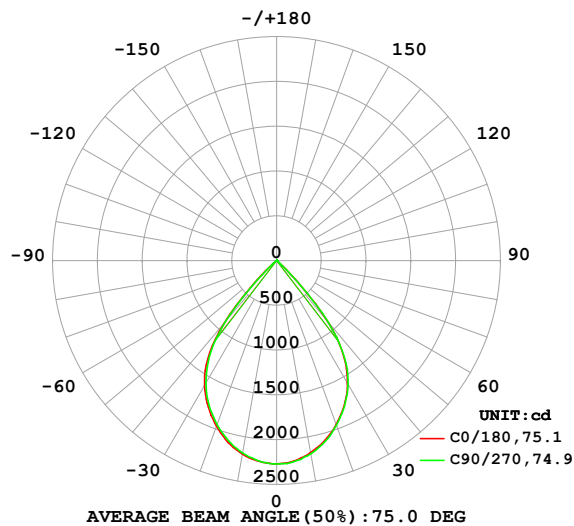


LUMINAIRE PHOTOMETRIC TEST REPORT

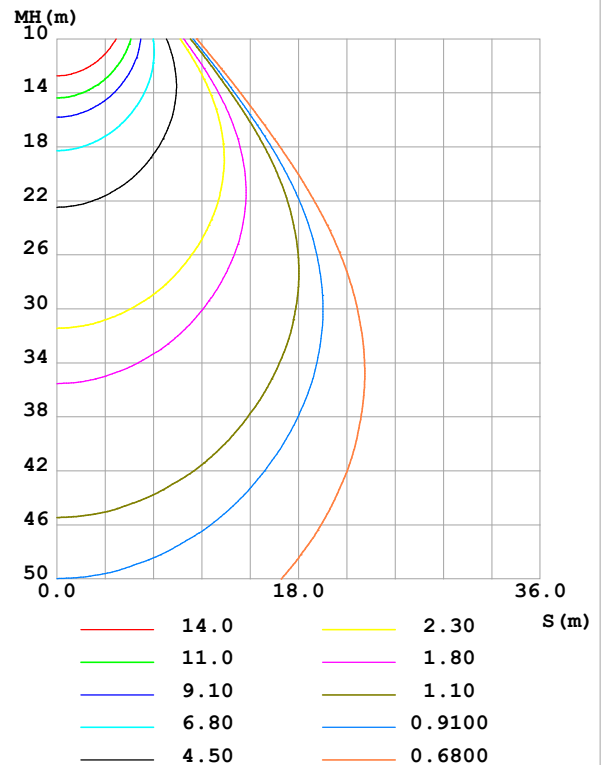
Test:U:229.23V I:0.093A P:20.3W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-80D-3090-silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.22 lm/W			
MODEL	JF.JT.DC2835W90P18	Imax (cd)	2271	S/MH(C0/180)	1.09
NOMINAL POWER(W)	20	LOR(%)	88.9	S/MH(C90/270)	1.08
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2947.1	η UP,DN(C0-180)	0.0,44.4
NOMINAL FLUX(lm)	3315	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,44.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down (%)	88.9	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: 25°C
Operators: LI
Test Date: 2025-07-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity: 65.0%
Test Distance: 8.300m [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	2179	2185	2192	2190	2194	2186	2183	2182	0- 10	212.6	212.6	7.21,6.41
20	1947	1954	1956	1957	1968	1955	1946	1949	10- 20	586.3	798.9	27.1,24.1
30	1585	1621	1596	1625	1613	1623	1579	1620	20- 30	823.0	1622	55,48.9
40	892.9	1213	896.8	1213	914.9	1203	897.3	1201	30- 40	846.7	2469	83.8,74.5
50	31.31	460.9	29.81	443.4	39.20	452.4	29.08	462.7	40- 50	438.1	2907	98.6,87.7
60	1.274	2.001	1.260	2.149	1.187	1.786	1.169	1.842	50- 60	39.12	2946	100,88.9
70	0.5094	0.4523	0.5206	0.4430	0.4512	0.3634	0.4156	0.3796	60- 70	0.6963	2947	100,88.9
80	0.2338	0.2235	0.2446	0.2344	0.2024	0.2226	0.1943	0.2238	70- 80	0.3120	2947	100,88.9
90	0.1558	0.2026	0.1456	0.2135	0.1869	0.2337	0.1768	0.2239	80- 90	0.2116	2947	100,88.9
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): 2768.1 lm

%lum = 93.9%

%lamp = 83.5%

Conical surface Flux(130deg): 2946.3 lm

%lum = 100.0%

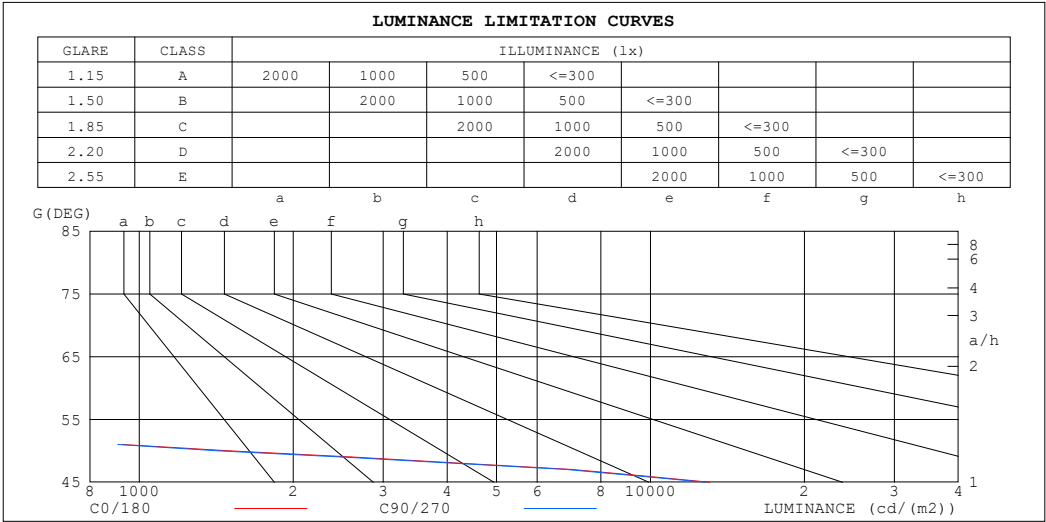
%lamp = 88.9%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25℃
 Operators:LI
 Test Date:2025-07-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity:65.0%
 Test Distance:8.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.23V I:0.093A P:20.3W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-80D-3090-silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	63	63
80	42	43
75	40	41
70	46	47
65	57	57
60	79	78
55	344	396
50	1505	1431
45	13049	12811

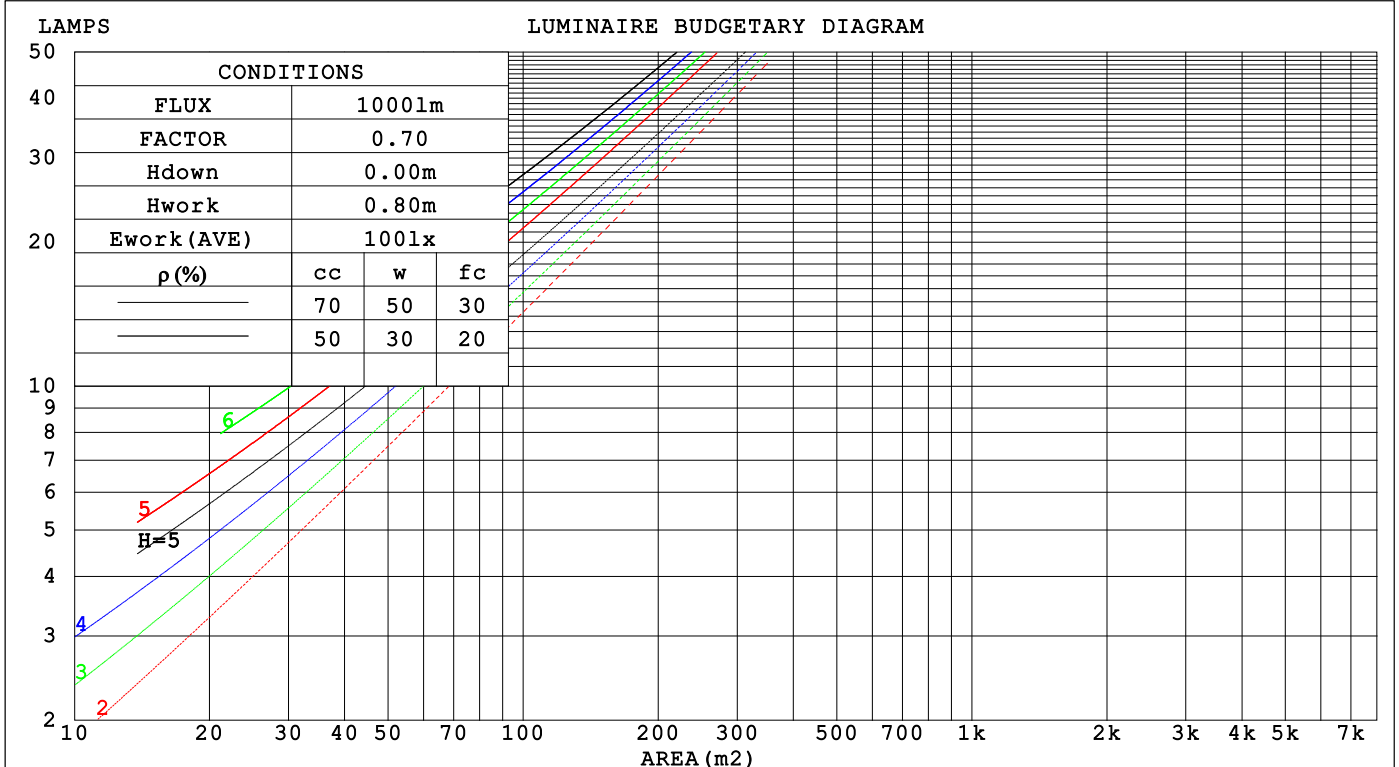
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25℃
Operators:LI
Test Date:2025-07-08

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.23V I:0.093A P:20.3W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-80D-3090-silver		
SPEC.: KGP 22W/550mA		
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	1.06	1.06	1.06	1.03	1.03	1.03	.99	.99	.99	.95	.95	.95	.91	.91	.91	.89
1.0	.98	.95	.93	.96	.94	.92	.92	.91	.89	.89	.88	.86	.86	.85	.84	.82
2.0	.90	.86	.83	.89	.85	.82	.86	.83	.80	.83	.81	.78	.80	.79	.77	.75
3.0	.83	.78	.74	.82	.77	.74	.79	.76	.73	.77	.74	.71	.75	.73	.70	.69
4.0	.77	.71	.67	.76	.71	.67	.74	.69	.66	.72	.68	.65	.70	.67	.64	.63
5.0	.71	.65	.61	.70	.65	.61	.68	.64	.60	.67	.63	.60	.65	.62	.59	.58
6.0	.66	.60	.56	.65	.59	.55	.64	.59	.55	.62	.58	.55	.61	.57	.54	.53
7.0	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.50	.57	.53	.50	.49
8.0	.57	.51	.47	.56	.51	.47	.55	.50	.47	.54	.50	.46	.53	.49	.46	.45
9.0	.53	.47	.43	.53	.47	.43	.52	.47	.43	.51	.46	.43	.50	.46	.43	.41
10.0	.50	.44	.40	.49	.44	.40	.48	.43	.40	.48	.43	.40	.47	.43	.40	.38



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25℃
Operators:LI
Test Date:2025-07-08

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:229.23V I:0.093A P:20.3W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-80D-3090-silver		
SPEC.: KGP 22W/550mA		
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	.171	.097	.031	.165	.094	.030	.154	.088	.028	.143	.083	.027	.134	.078	.025															
2.0	.166	.091	.028	.161	.089	.027	.151	.084	.026	.143	.080	.025	.134	.076	.024															
3.0	.160	.085	.025	.155	.083	.025	.147	.080	.024	.139	.076	.023	.132	.073	.023															
4.0	.153	.079	.023	.149	.078	.023	.142	.075	.022	.135	.073	.022	.129	.070	.021															
5.0	.146	.075	.022	.143	.073	.021	.137	.071	.021	.131	.069	.021	.125	.067	.020															
6.0	.140	.070	.020	.137	.069	.020	.131	.067	.020	.126	.066	.019	.121	.064	.019															
7.0	.134	.066	.019	.131	.065	.019	.126	.064	.018	.121	.062	.018	.117	.061	.018															
8.0	.128	.063	.018	.126	.062	.017	.121	.061	.017	.117	.059	.017	.113	.058	.017															
9.0	.122	.059	.017	.120	.059	.016	.116	.058	.016	.113	.056	.016	.109	.055	.016															
10.0	.117	.056	.016	.115	.056	.016	.112	.055	.015	.108	.054	.015	.105	.053	.015															

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	.169	.169	.169	.145	.145	.145	.099	.099	.099	.057	.057	.057	.018	.018	.018	
1.0	.153	.140	.128	.131	.120	.110	.090	.083	.076	.052	.048	.044	.017	.015	.014	
2.0	.141	.118	.098	.120	.101	.085	.083	.070	.059	.048	.041	.035	.015	.013	.011	
3.0	.131	.101	.077	.112	.087	.067	.077	.061	.047	.044	.035	.028	.014	.011	.009	
4.0	.123	.088	.062	.105	.076	.054	.072	.053	.038	.042	.031	.022	.013	.010	.007	
5.0	.116	.078	.051	.099	.068	.044	.068	.047	.031	.040	.028	.018	.013	.009	.006	
6.0	.110	.070	.042	.094	.061	.037	.065	.043	.026	.038	.025	.015	.012	.008	.005	
7.0	.104	.064	.035	.090	.055	.031	.062	.039	.022	.036	.023	.013	.012	.007	.004	
8.0	.099	.058	.030	.086	.051	.026	.059	.036	.019	.034	.021	.011	.011	.007	.004	
9.0	.095	.054	.026	.082	.047	.023	.057	.033	.016	.033	.019	.010	.011	.006	.003	
10.0	.091	.050	.023	.078	.044	.020	.054	.031	.014	.032	.018	.009	.010	.006	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25℃
 Operators:LI
 Test Date:2025-07-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity:65.0%
 Test Distance:8.300m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.23V I:0.093A P:20.3W PF:0.956 Freq:49.99Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm										
NAME: T1265-80D-3090-silver										
SPEC.: KGP 22W/550mA										
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	20.0	21.1	20.2	21.2	21.4	20.0	21.1	20.2	21.2	21.4
3H	19.8	20.8	20.1	21.0	21.2	19.8	20.8	20.1	21.0	21.2
4H	19.7	20.6	20.0	20.9	21.1	19.7	20.6	20.0	20.8	21.1
6H	19.6	20.5	19.9	20.7	21.0	19.6	20.5	19.9	20.7	21.0
8H	19.6	20.4	19.9	20.7	20.9	19.6	20.4	19.9	20.6	20.9
12H	19.5	20.3	19.8	20.6	20.9	19.5	20.3	19.8	20.6	20.9
4H 2H	19.7	20.6	20.0	20.9	21.1	19.7	20.6	20.0	20.9	21.1
3H	19.5	20.3	19.9	20.6	20.9	19.5	20.3	19.8	20.6	20.9
4H	19.4	20.1	19.8	20.4	20.8	19.4	20.1	19.8	20.4	20.8
6H	19.3	20.0	19.7	20.3	20.6	19.3	20.0	19.7	20.3	20.6
8H	19.3	19.9	19.7	20.2	20.6	19.3	19.9	19.7	20.2	20.6
12H	19.2	19.8	19.7	20.1	20.5	19.2	19.8	19.6	20.1	20.5
8H 4H	19.3	19.9	19.7	20.2	20.6	19.3	19.9	19.7	20.2	20.6
6H	19.2	19.7	19.6	20.1	20.5	19.2	19.7	19.6	20.1	20.5
8H	19.1	19.6	19.6	20.0	20.4	19.1	19.5	19.6	20.0	20.4
12H	19.1	19.4	19.6	19.9	20.4	19.1	19.4	19.6	19.9	20.4
12H 4H	19.2	19.8	19.7	20.1	20.5	19.2	19.8	19.6	20.1	20.5
6H	19.1	19.6	19.6	20.0	20.4	19.1	19.5	19.6	20.0	20.4
8H	19.1	19.4	19.6	19.9	20.4	19.1	19.4	19.6	19.9	20.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.8 / -32.8					+ 2.8 / -31.7				
1.5H	+ 3.8 / -22.4					+ 3.8 / -22.1				
2.0H	+ 6.6 / -28.5					+ 6.6 / -28.6				

CIE Pub.117, 3315 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.2$)
 Area: 0.0324 m²

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25℃
 Operators:LI
 Test Date:2025-07-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity:65.0%
 Test Distance:8.300m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.23V I:0.093A P:20.3W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-80D-3090-silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		

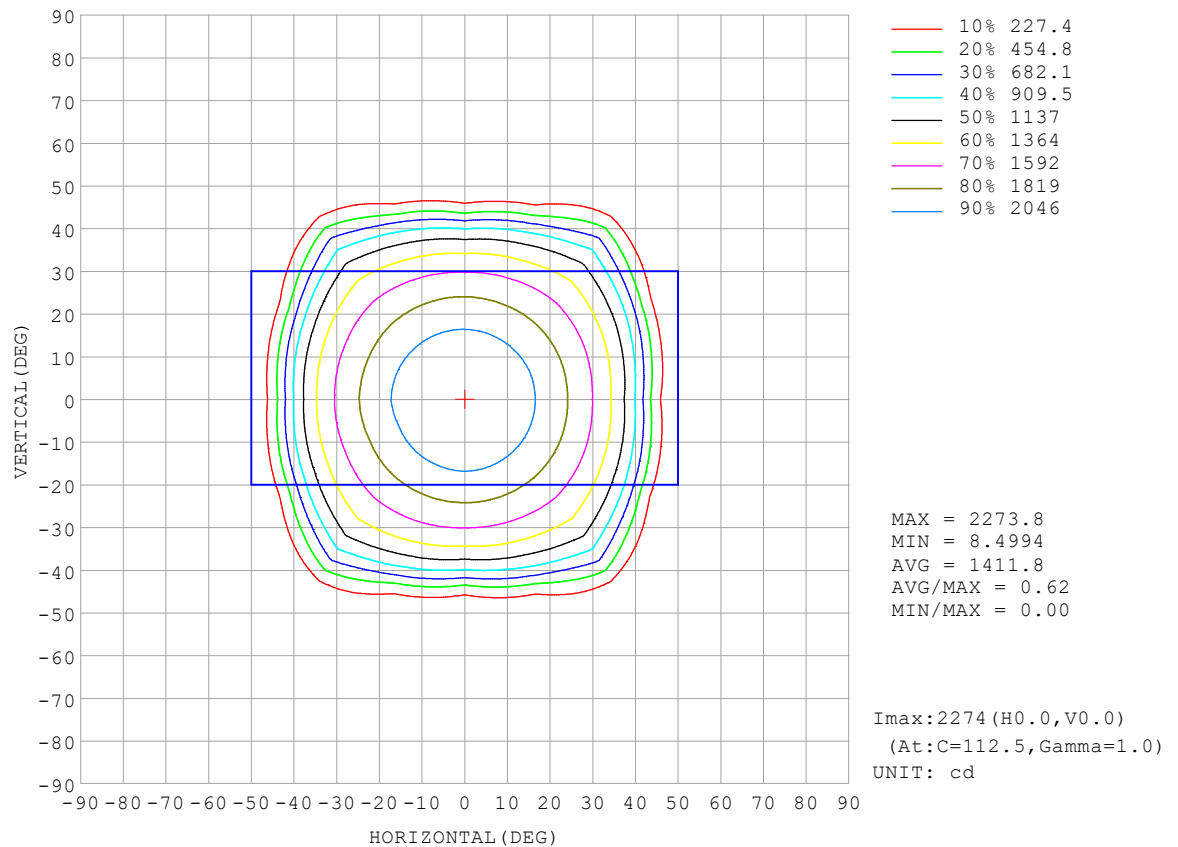
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	66	62	72	65	62	71	65	61	58
0.80	80	74	70	79	73	70	78	73	69	66
1.00	85	79	76	84	79	75	83	79	75	71
1.25	89	84	81	88	84	80	87	83	80	76
1.50	92	87	84	91	87	84	89	85	83	78
2.00	95	91	88	94	90	87	91	88	86	81
2.50	97	93	90	95	92	89	93	90	88	82
3.00	98	95	92	97	94	91	94	91	90	84
4.00	100	98	95	98	96	94	95	93	92	85
5.00	101	99	97	100	98	96	96	94	93	86
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: 25°C
 Operators: LI
 Test Date: 2025-07-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity: 65.0%
 Test Distance: 8.300m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:229.23V I:0.093A P:20.3W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-80D-3090-silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		

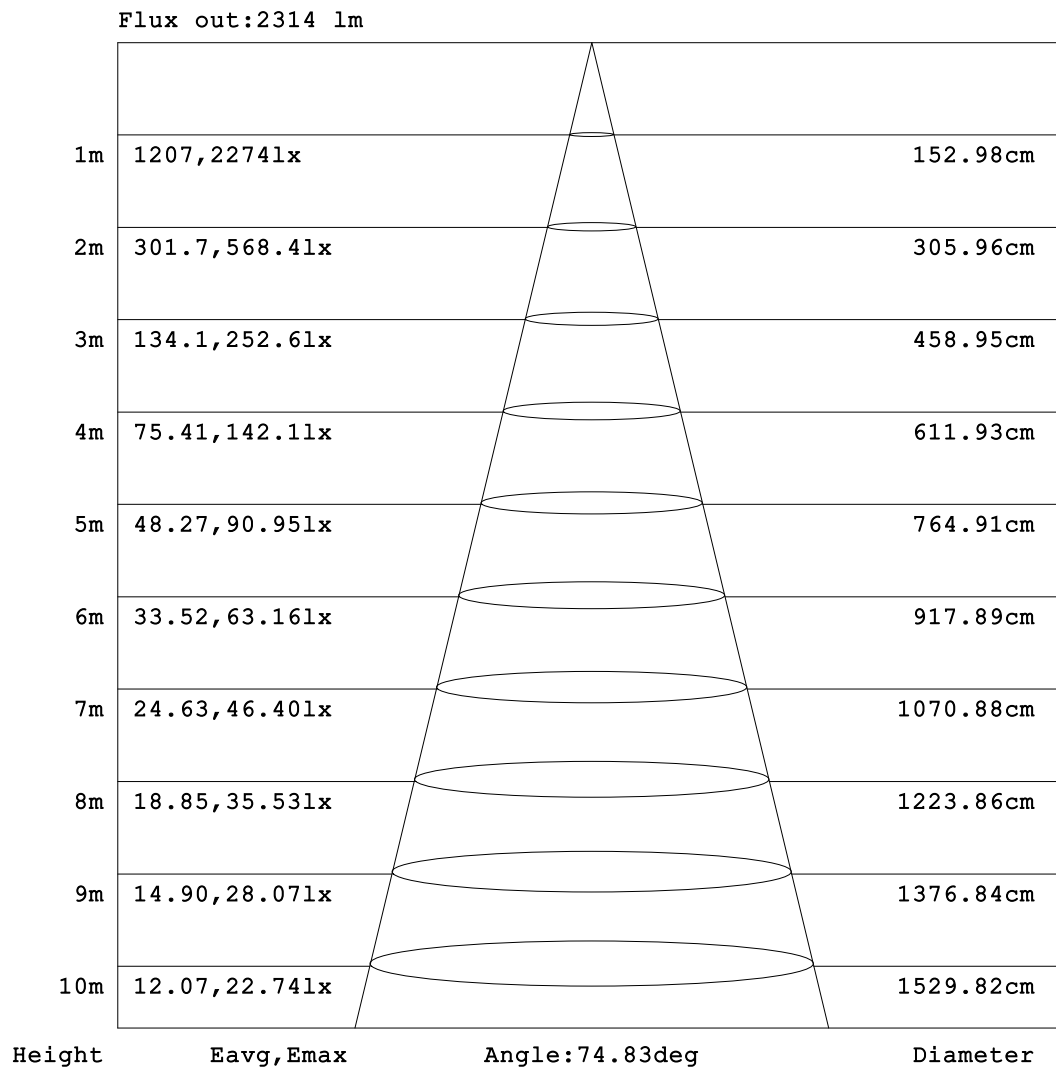


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25℃
 Operators:LI
 Test Date:2025-07-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity:65.0%
 Test Distance:8.300m [K=1.0000]
 Remarks:

AAI Figure

Test:U:229.23V I:0.093A P:20.3W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-80D-3090-silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		



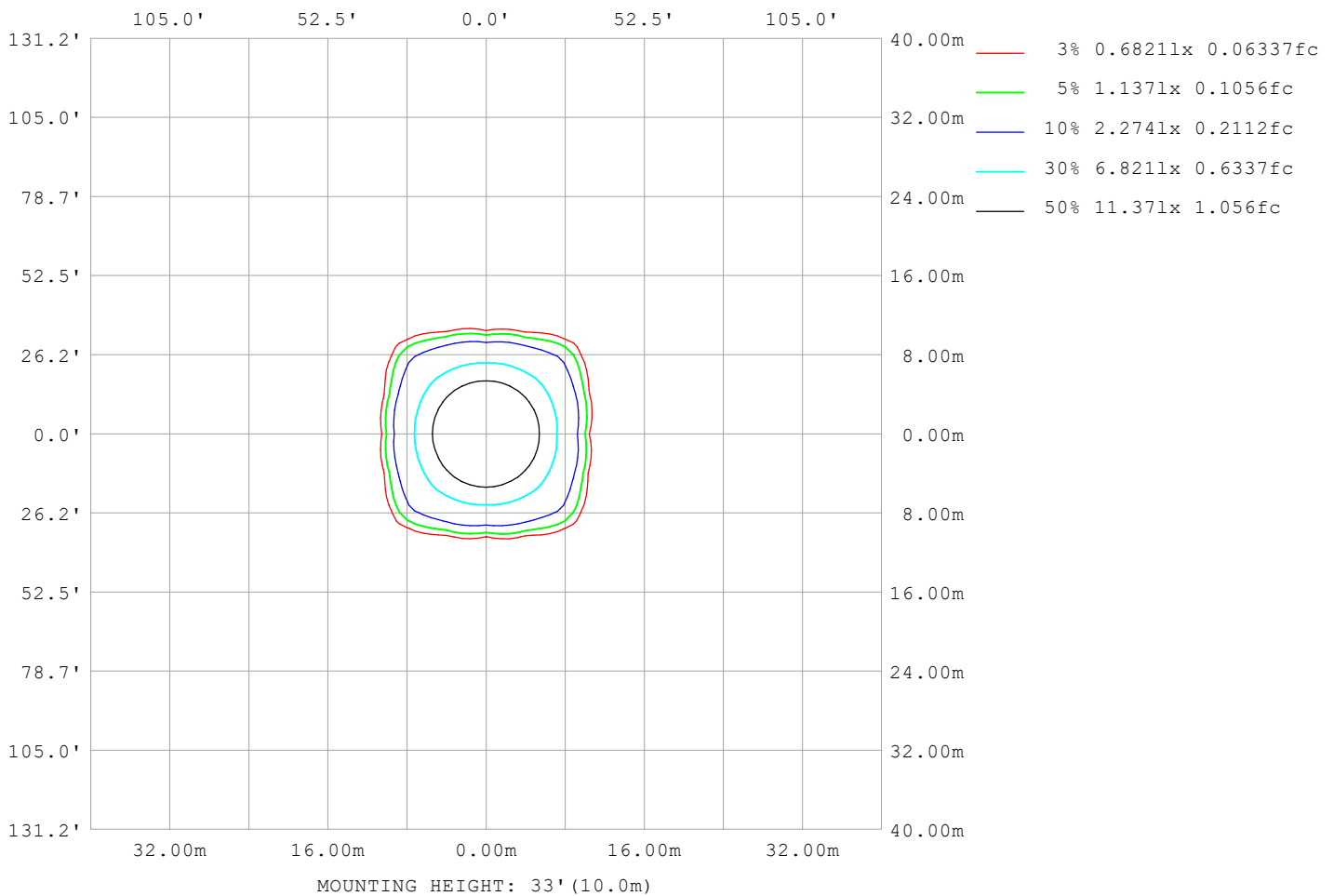
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25°C
 Operators: LI
 Test Date: 2025-07-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity: 65.0%
 Test Distance: 8.300m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:229.23V I:0.093A P:20.3W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-80D-3090-silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25°C
 Operators: LI
 Test Date: 2025-07-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity: 65.0%
 Test Distance: 8.300m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:229.23V I:0.093A P:20.3W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-80D-3090-silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		

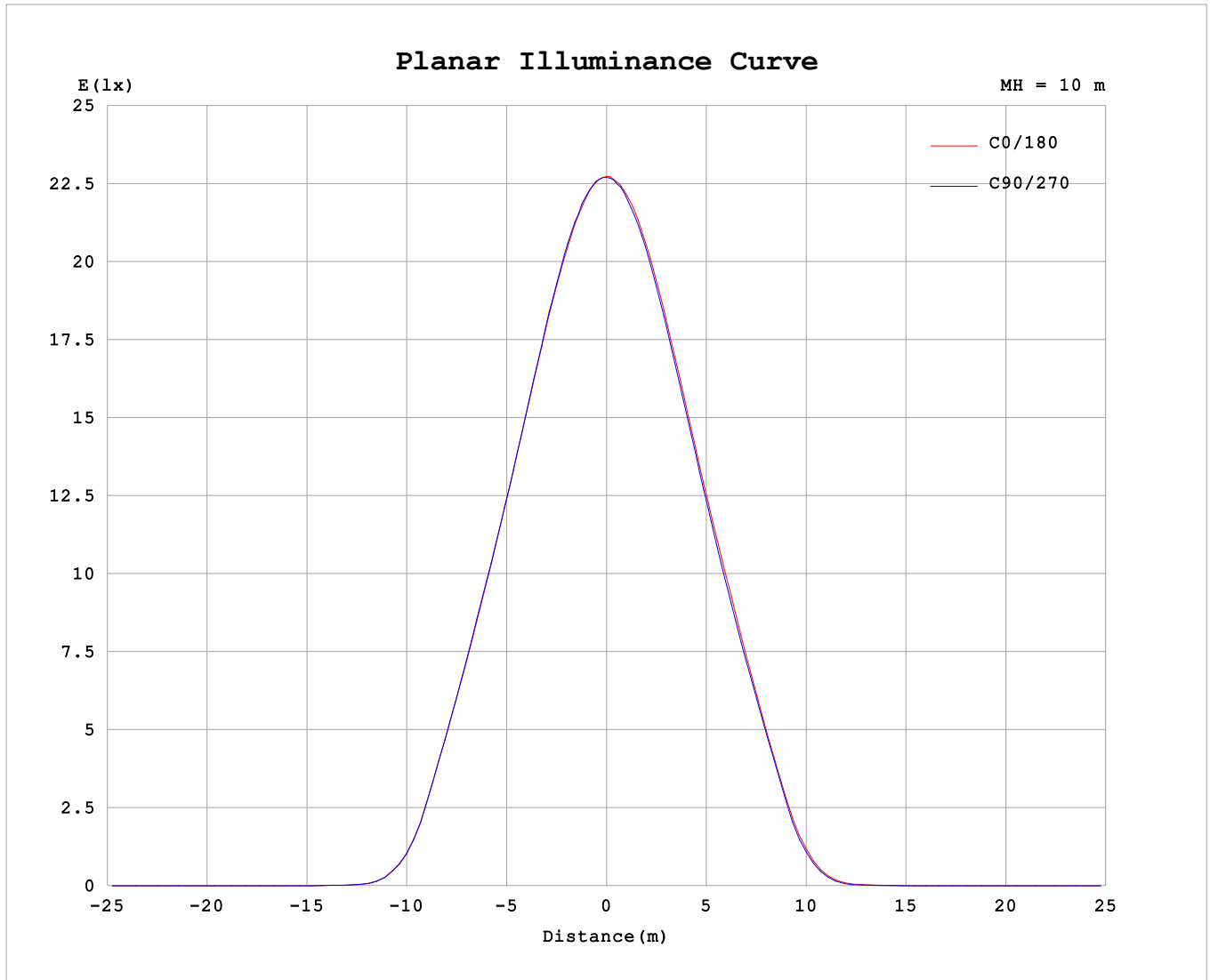
AvgL	cd/m2
L_0~180 (65) av	55
L_0~180 (75) av	37
L_0~180 (85) av	65
L_90~270 (65) av	54
L_90~270 (75) av	36
L_90~270 (85) av	63
L_45 (65) av	47
L_45 (75) av	34
L_45 (85) av	72

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25℃
 Operators:LI
 Test Date:2025-07-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
 Humidity:65.0%
 Test Distance:8.300m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25°C
Operators: LI
Test Date: 2025-07-08

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity: 65.0%
Test Distance: 8.300m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

```