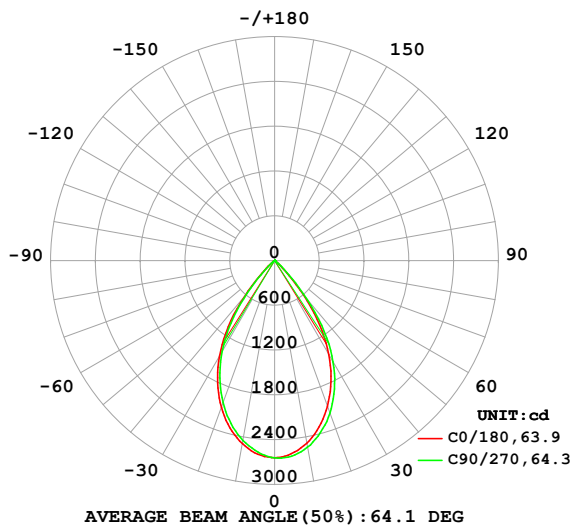


LUMINAIRE PHOTOMETRIC TEST REPORT

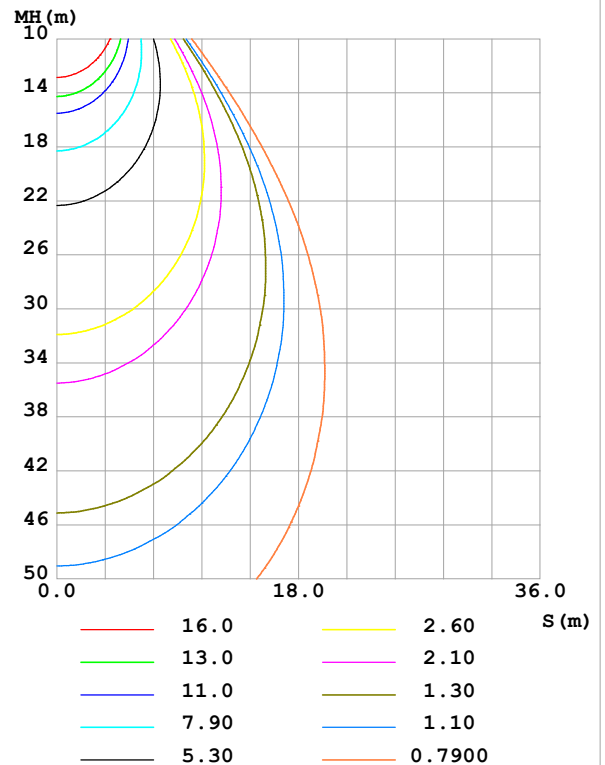
Test:U:229.46V I:0.093A P:20.4W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-60D-3090-matte silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.50 lm/W			
MODEL	JF.JT.DC2835W90P18	Imax (cd)	2648	S/MH(C0/180)	0.95
NOMINAL POWER(W)	20	LOR(%)	82.6	S/MH(C90/270)	0.92
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2738.8	η UP,DN(C0-180)	0.0,42.3
NOMINAL FLUX(lm)	3315	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,40.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230	η down (%)	82.6	CIBSE SHR MAX	1.05

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

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	2486	2527	2541	2519	2490	2464	2446	2465	0- 10	244.8	244.8	8.94,7.39
20	2075	2158	2174	2146	2090	2058	2023	2069	10- 20	649.9	894.7	32.7,27
30	1451	1565	1565	1555	1477	1459	1409	1464	20- 30	831.0	1726	63,52.1
40	606.8	836.3	683.3	829.1	633.0	769.2	575.3	774.2	30- 40	689.8	2416	88.2,72.9
50	73.81	218.7	86.32	211.0	76.02	194.8	69.15	202.4	40- 50	280.1	2696	98.4,81.3
60	4.317	13.01	3.996	12.23	4.640	11.98	4.970	12.92	50- 60	39.91	2736	99.9,82.5
70	0.7743	0.8584	0.7552	0.8294	0.7258	0.8507	0.7791	0.8839	60- 70	2.553	2738	100,82.6
80	0.2804	0.2497	0.2655	0.2555	0.2436	0.2335	0.2390	0.2393	70- 80	0.4867	2739	100,82.6
90	0.1609	0.1714	0.1456	0.1719	0.1868	0.1922	0.1872	0.1927	80- 90	0.2142	2739	100,82.6
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): 2607 lm

%lum = 95.2%

%lamp = 78.6%

Conical surface Flux(130deg): 2737.5 lm

%lum = 100.0%

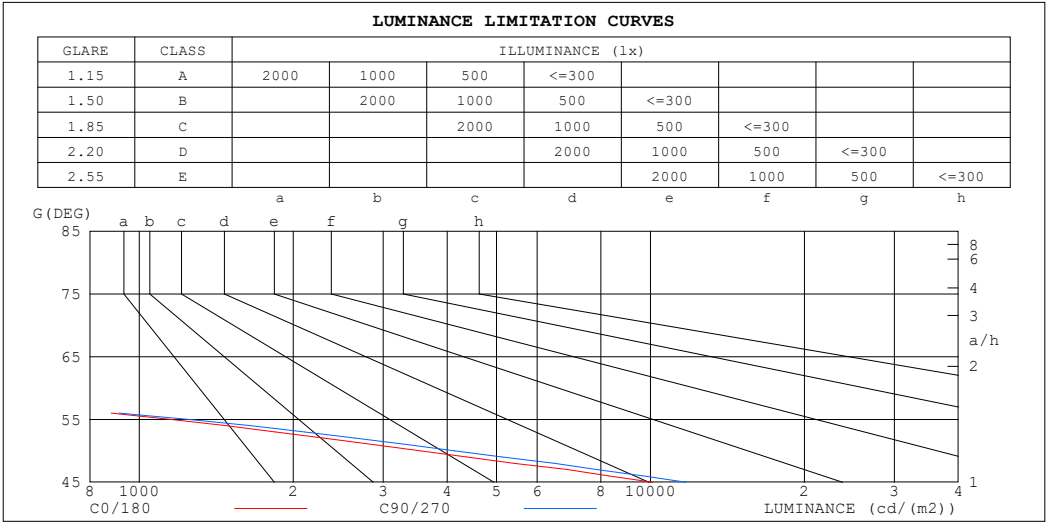
%lamp = 82.6%

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

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:229.46V I:0.093A P:20.4W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-60D-3090-matte silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	68	63
80	50	47
75	53	52
70	70	68
65	107	105
60	267	247
55	1157	1254
50	3551	4144
45	10113	11734

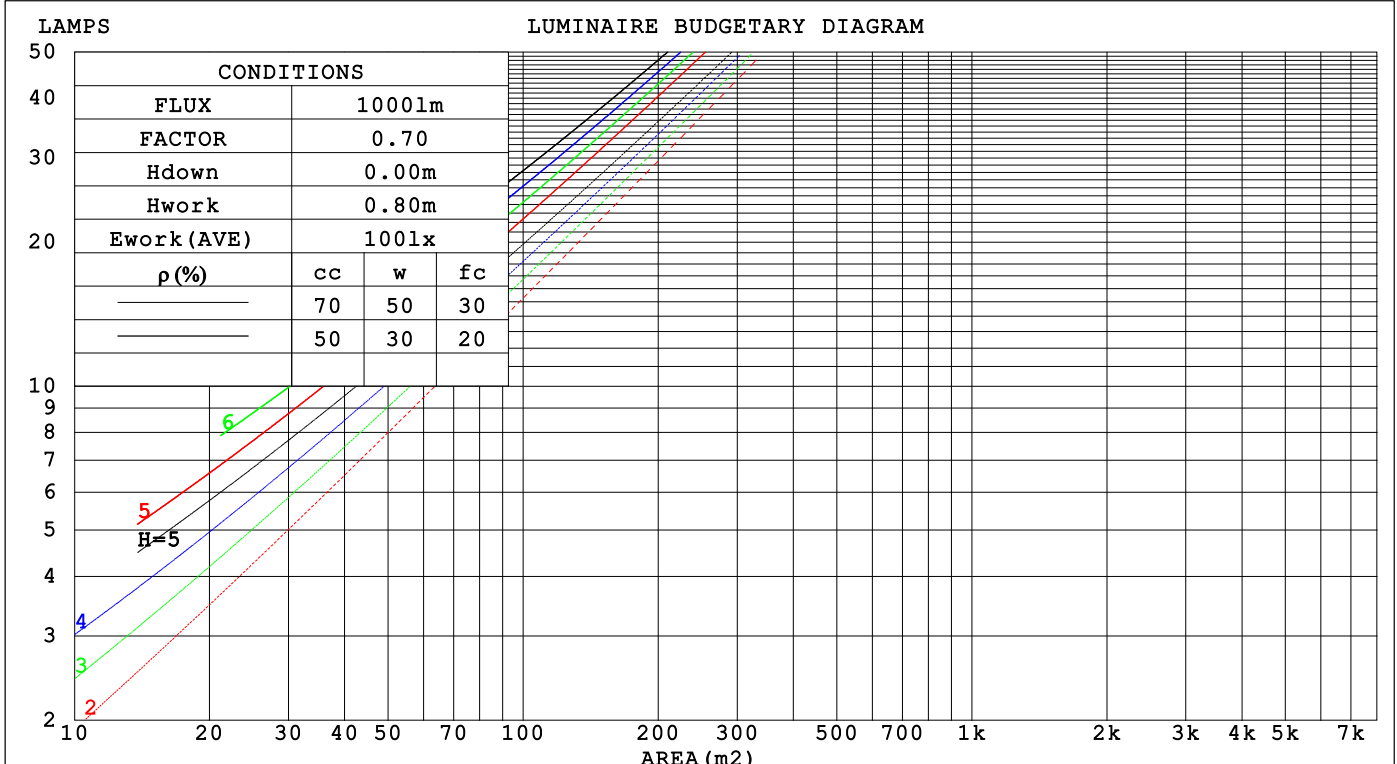
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25℃
Operators:LI
Test Date:2025-07-07

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:229.46V I:0.093A P:20.4W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-60D-3090-matte 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	.98	.98	.98	.96	.96	.96	.92	.92	.92	.88	.88	.88	.84	.84	.84	.83
1.0	.91	.89	.87	.89	.88	.86	.86	.85	.83	.83	.82	.81	.80	.79	.78	.77
2.0	.84	.81	.78	.83	.80	.77	.80	.78	.75	.78	.76	.74	.76	.74	.72	.71
3.0	.78	.74	.71	.77	.73	.70	.75	.72	.69	.73	.70	.68	.71	.69	.67	.65
4.0	.73	.68	.64	.72	.67	.64	.70	.66	.63	.68	.65	.62	.67	.64	.62	.60
5.0	.68	.63	.59	.67	.62	.59	.65	.61	.58	.64	.60	.58	.63	.60	.57	.56
6.0	.63	.58	.54	.62	.58	.54	.61	.57	.54	.60	.56	.53	.59	.56	.53	.52
7.0	.59	.54	.50	.58	.53	.50	.57	.53	.50	.56	.52	.49	.55	.52	.49	.48
8.0	.55	.50	.46	.55	.50	.46	.54	.49	.46	.53	.49	.46	.52	.48	.46	.45
9.0	.52	.47	.43	.51	.47	.43	.51	.46	.43	.50	.46	.43	.49	.45	.43	.42
10.0	.49	.44	.40	.48	.44	.40	.48	.43	.40	.47	.43	.40	.46	.43	.40	.39



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

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:229.46V I:0.093A P:20.4W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-60D-3090-matte 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	.153	.087	.027	.147	.084	.027	.137	.078	.025	.127	.073	.024	.118	.069	.022	
2.0	.147	.081	.025	.143	.079	.024	.134	.074	.023	.126	.071	.022	.118	.067	.021	
3.0	.141	.075	.023	.137	.074	.022	.130	.070	.021	.123	.067	.021	.116	.064	.020	
4.0	.135	.070	.021	.132	.069	.020	.125	.066	.020	.119	.064	.019	.113	.062	.019	
5.0	.129	.066	.019	.126	.065	.019	.120	.063	.018	.115	.061	.018	.110	.059	.018	
6.0	.123	.062	.018	.121	.061	.018	.116	.059	.017	.111	.058	.017	.107	.056	.017	
7.0	.118	.058	.017	.116	.058	.016	.111	.056	.016	.107	.055	.016	.103	.054	.016	
8.0	.113	.055	.016	.111	.055	.015	.107	.053	.015	.103	.052	.015	.099	.051	.015	
9.0	.108	.052	.015	.106	.052	.015	.103	.051	.014	.099	.050	.014	.096	.049	.014	
10.0	.104	.050	.014	.102	.049	.014	.099	.048	.014	.096	.048	.014	.093	.047	.013	

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	.157	.157	.157	.134	.134	.134	.092	.092	.092	.053	.053	.053	.017	.017	.017	
1.0	.142	.130	.119	.121	.111	.103	.083	.077	.071	.048	.044	.041	.015	.014	.013	
2.0	.130	.109	.092	.111	.094	.080	.076	.065	.056	.044	.038	.033	.014	.012	.011	
3.0	.120	.094	.073	.103	.081	.063	.071	.056	.044	.041	.033	.026	.013	.011	.009	
4.0	.112	.082	.059	.096	.071	.051	.066	.049	.036	.038	.029	.021	.012	.009	.007	
5.0	.105	.072	.048	.091	.063	.042	.062	.044	.030	.036	.026	.018	.012	.008	.006	
6.0	.100	.065	.040	.086	.056	.035	.059	.039	.025	.034	.023	.015	.011	.008	.005	
7.0	.094	.059	.034	.081	.051	.029	.056	.036	.021	.033	.021	.012	.011	.007	.004	
8.0	.090	.054	.029	.077	.047	.025	.054	.033	.018	.031	.019	.011	.010	.006	.004	
9.0	.086	.050	.025	.074	.043	.022	.051	.030	.015	.030	.018	.009	.010	.006	.003	
10.0	.082	.046	.022	.071	.040	.019	.049	.028	.014	.029	.017	.008	.009	.005	.003	

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

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:229.46V I:0.093A P:20.4W PF:0.956 Freq:49.99Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm										
NAME: T1265-60D-3090-matte 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	18.0	19.1	18.3	19.2	19.4	18.5	19.5	18.7	19.6	19.8
3H	17.9	18.8	18.1	19.0	19.2	18.3	19.2	18.5	19.4	19.6
4H	17.8	18.6	18.0	18.9	19.1	18.2	19.1	18.5	19.3	19.5
6H	17.7	18.5	18.0	18.7	19.0	18.1	18.9	18.4	19.2	19.4
8H	17.6	18.4	17.9	18.7	18.9	18.1	18.8	18.4	19.1	19.4
12H	17.6	18.3	17.9	18.6	18.9	18.0	18.8	18.3	19.0	19.3
4H 2H	17.8	18.7	18.1	18.9	19.1	18.2	19.1	18.5	19.3	19.5
3H	17.6	18.3	17.9	18.6	18.9	18.0	18.8	18.3	19.0	19.3
4H	17.5	18.2	17.8	18.5	18.8	17.9	18.6	18.3	18.9	19.2
6H	17.4	18.0	17.8	18.3	18.7	17.8	18.4	18.2	18.8	19.1
8H	17.4	17.9	17.7	18.3	18.6	17.8	18.3	18.2	18.7	19.0
12H	17.3	17.8	17.7	18.2	18.6	17.7	18.2	18.1	18.6	19.0
8H 4H	17.4	17.9	17.7	18.3	18.6	17.8	18.3	18.2	18.7	19.0
6H	17.3	17.7	17.7	18.1	18.5	17.7	18.1	18.1	18.5	18.9
8H	17.2	17.6	17.7	18.0	18.5	17.6	18.0	18.1	18.4	18.9
12H	17.2	17.5	17.6	17.9	18.4	17.6	17.9	18.0	18.4	18.8
12H 4H	17.3	17.8	17.7	18.2	18.6	17.7	18.2	18.1	18.6	19.0
6H	17.2	17.6	17.7	18.0	18.5	17.6	18.0	18.1	18.4	18.9
8H	17.2	17.5	17.6	17.9	18.4	17.6	17.9	18.0	18.4	18.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.6 / -19.7					+ 2.6 / -20.3				
1.5H	+ 4.2 / -11.4					+ 4.4 / -11.7				
2.0H	+ 6.3 / -19.4					+ 6.5 / -20.3				

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:2025-07-07

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:229.46V I:0.093A P:20.4W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-60D-3090-matte silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		

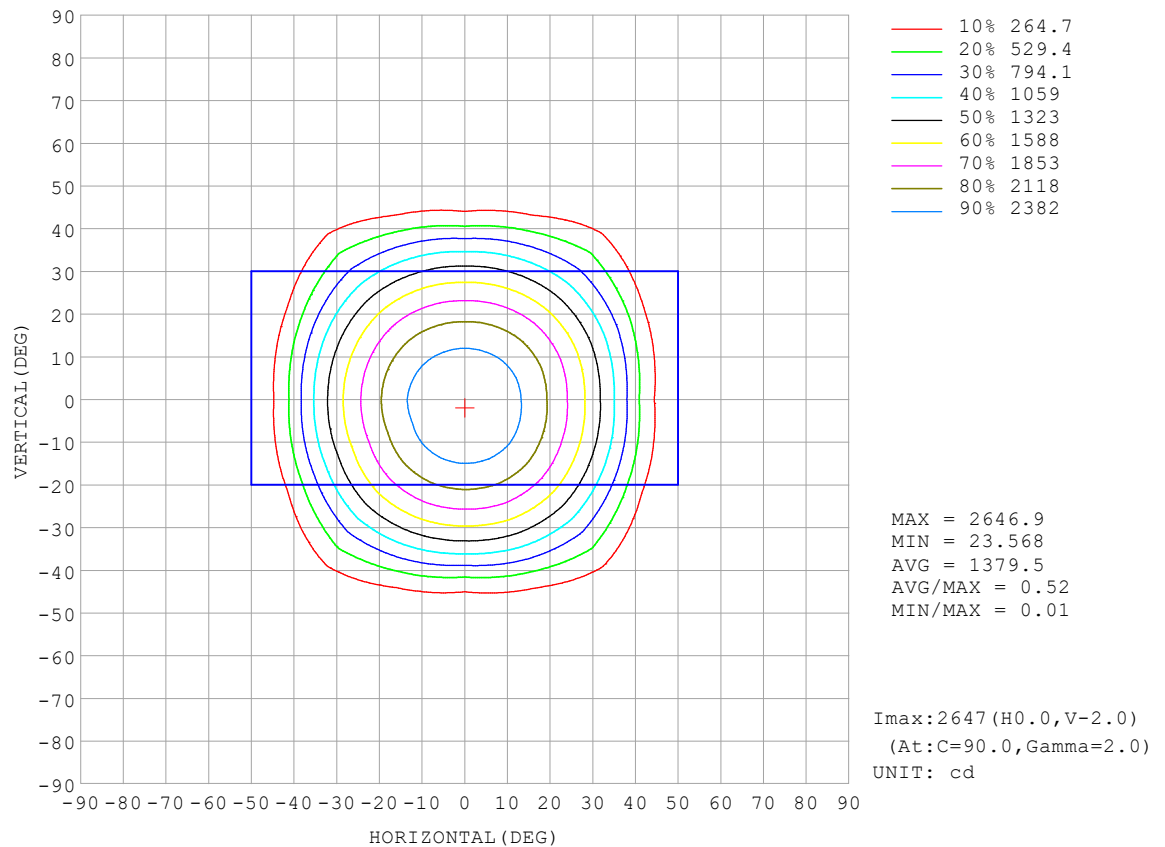
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	64	60	69	64	60	68	63	60	57
0.80	76	71	67	76	71	67	75	70	67	64
1.00	80	76	72	80	75	72	78	75	72	68
1.25	84	80	77	83	79	76	82	78	76	72
1.50	87	82	80	86	82	79	84	81	78	74
2.00	89	86	83	88	85	82	86	83	81	76
2.50	91	87	85	89	86	84	87	84	82	77
3.00	92	89	87	90	88	86	88	86	84	79
4.00	94	91	89	92	90	88	89	87	86	80
5.00	95	93	91	93	91	90	90	88	87	81
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: 2025-07-07

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:229.46V I:0.093A P:20.4W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-60D-3090-matte silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		

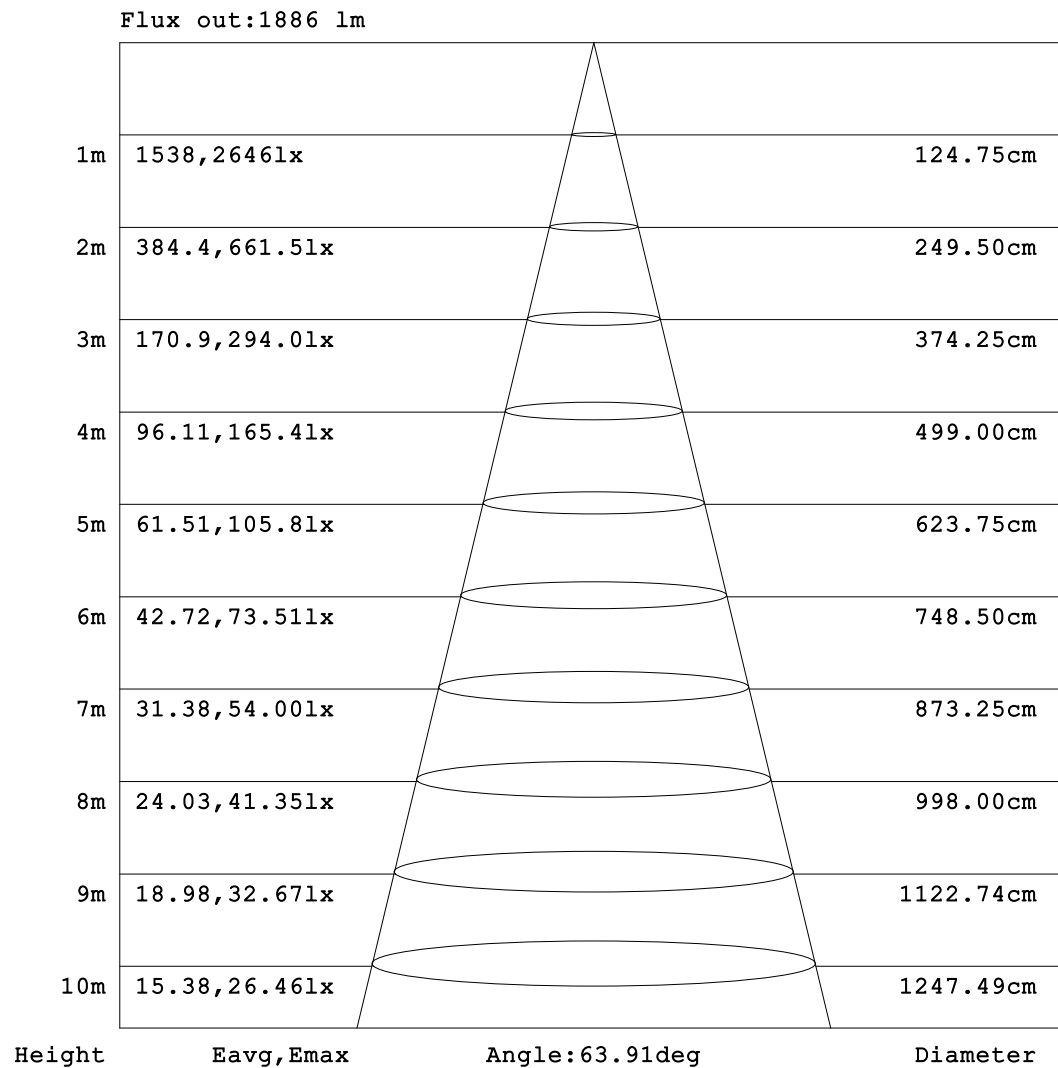


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25℃
 Operators:LI
 Test Date:2025-07-07

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:229.46V I:0.093A P:20.4W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-60D-3090-matte silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		



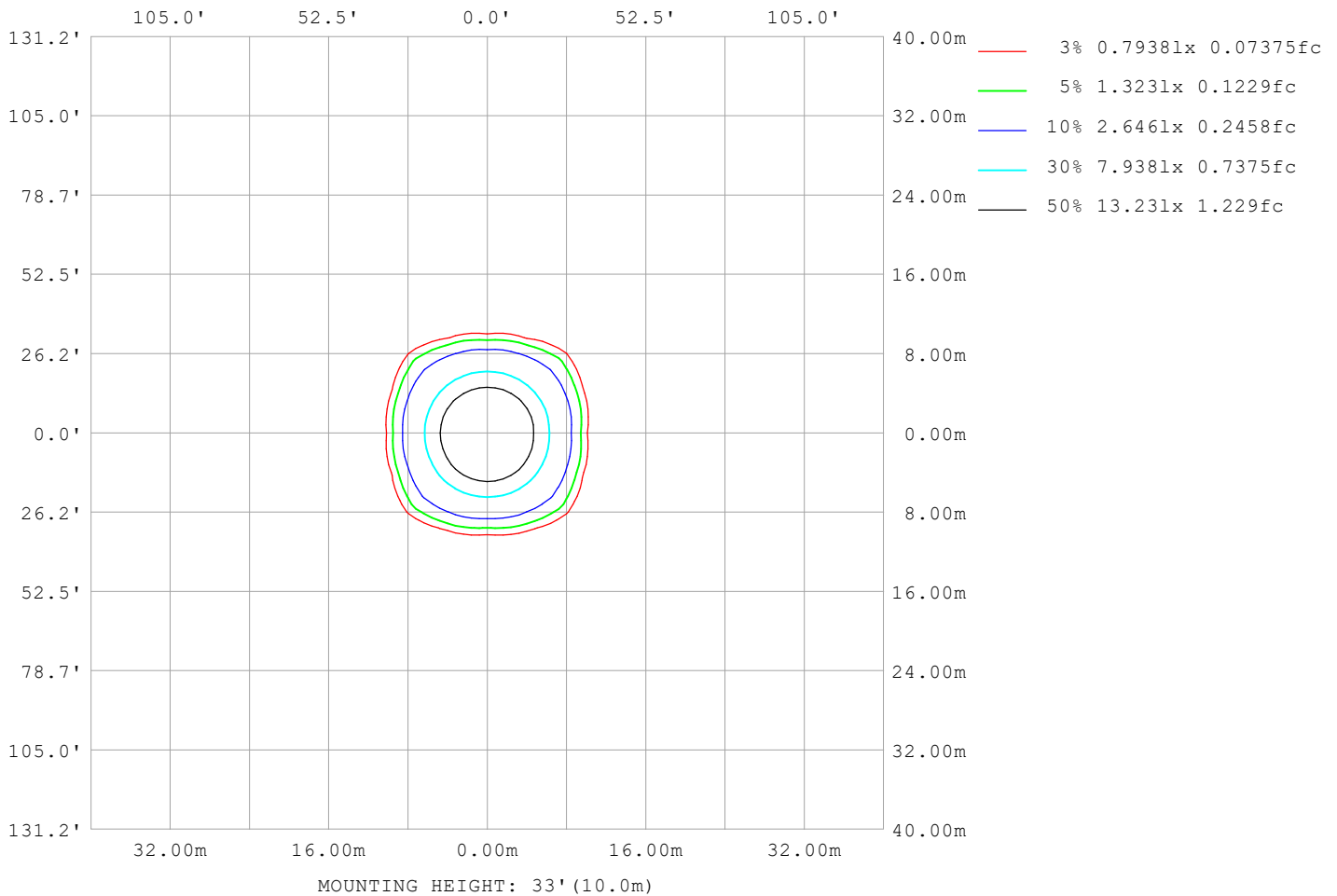
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:229.46V I:0.093A P:20.4W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-60D-3090-matte 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: 2025-07-07

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:229.46V I:0.093A P:20.4W PF:0.956 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3315x1 lm		
NAME: T1265-60D-3090-matte silver		
SPEC.: KGP 22W/550mA		
MFR.: SOTEN		

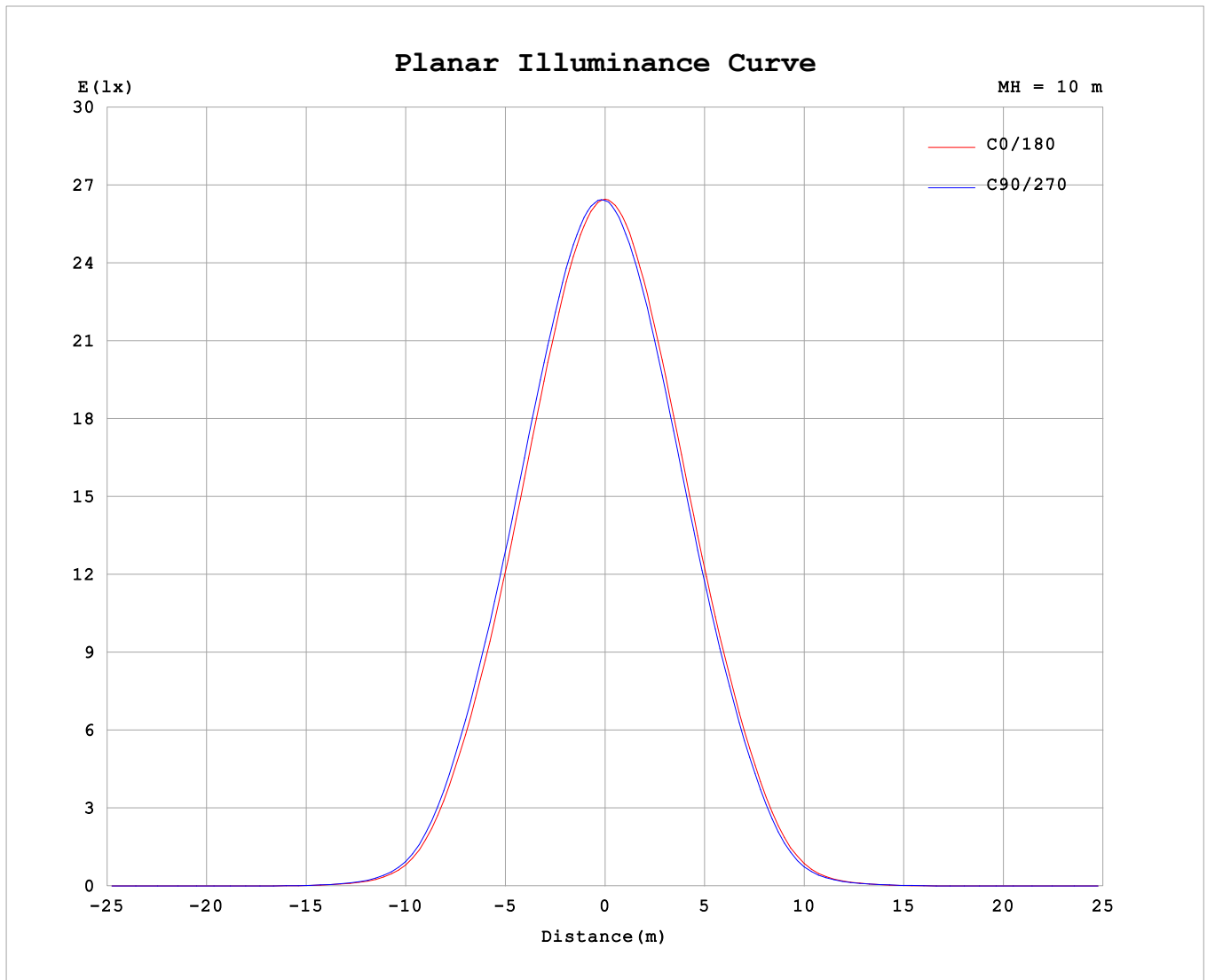
AvgL	cd/m2
L_0~180 (65) av	107
L_0~180 (75) av	50
L_0~180 (85) av	69
L_90~270 (65) av	108
L_90~270 (75) av	51
L_90~270 (85) av	66
L_45 (65) av	159
L_45 (75) av	52
L_45 (85) av	68

Standard: GB/T 29293-2012

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

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: 2025-07-07

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:

```

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