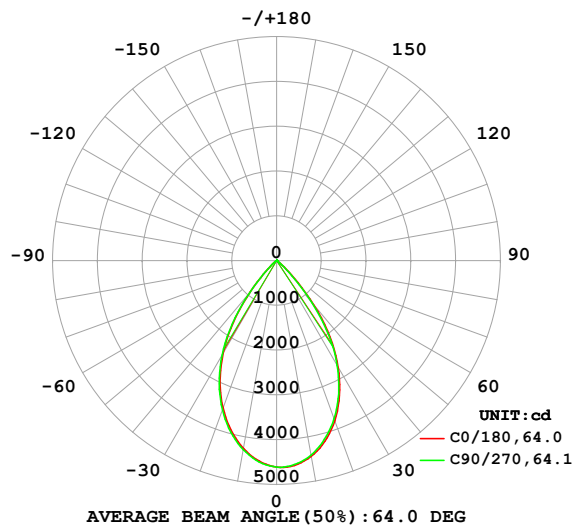


## LUMINAIRE PHOTOMETRIC TEST REPORT

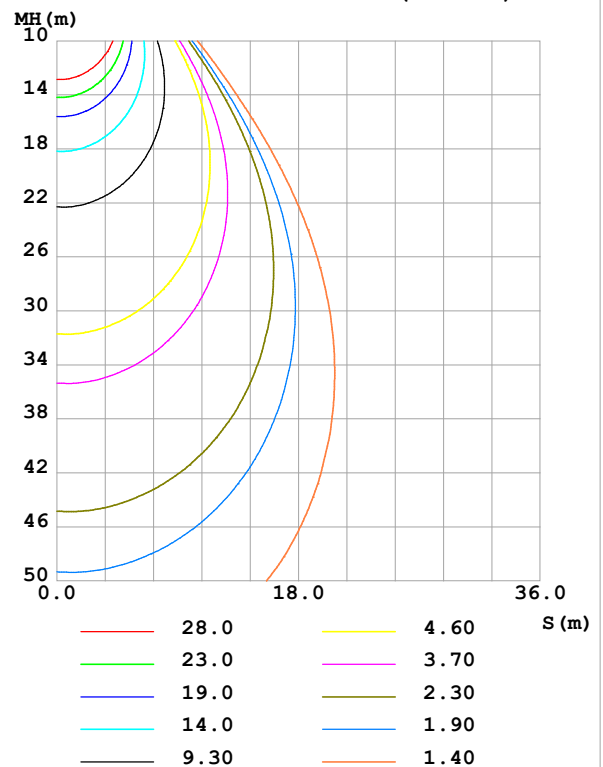
Test:U:229.52V I:0.158A P:35.4W PF:0.978 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-60D-3090-matte silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 135.54 lm/W			
MODEL	JF 2835	I <sub>max</sub> (cd)	4624	S/MH (C0/180)	0.91
NOMINAL POWER (W)	40	LOR (%)	79.2	S/MH (C90/270)	0.92
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	4798.3	η UP, DN (C0-180)	0.0, 41.1
NOMINAL FLUX (lm)	6060.9	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 38.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	230	η down (%)	79.2	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°C  
Operators: LI  
Test Date: 2025-07-10

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	4442	4474	4414	4318	4258	4258	4288	4385	0- 10	427.7	427.7	8.91,7.06
20	3803	3878	3757	3624	3500	3512	3546	3734	10- 20	1136	1564	32.6,25.8
30	2755	2889	2708	2557	2388	2420	2437	2696	20- 30	1451	3015	62.8,49.7
40	1308	1625	1227	1325	912.2	1218	955.5	1450	30- 40	1205	4220	87.9,69.6
50	180.1	500.4	164.2	309.0	109.1	264.6	112.9	399.1	40- 50	498.2	4718	98.3,77.8
60	12.89	35.99	9.127	17.49	6.246	15.06	6.470	26.41	50- 60	73.94	4792	99.9,79.1
70	1.655	1.910	1.525	1.446	1.299	1.334	1.303	1.739	60- 70	4.903	4797	100,79.1
80	0.6430	0.6294	0.5774	0.4905	0.5488	0.5090	0.4933	0.5780	70- 80	0.9724	4798	100,79.2
90	0.3886	0.4157	0.3222	0.4327	0.5389	0.6080	0.3897	0.4379	80- 90	0.4916	4798	100,79.2
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): 4558.2 lm

%lum = 95.0%

%lamp = 75.2%

Conical surface Flux(130deg): 4795.7 lm

%lum = 99.9%

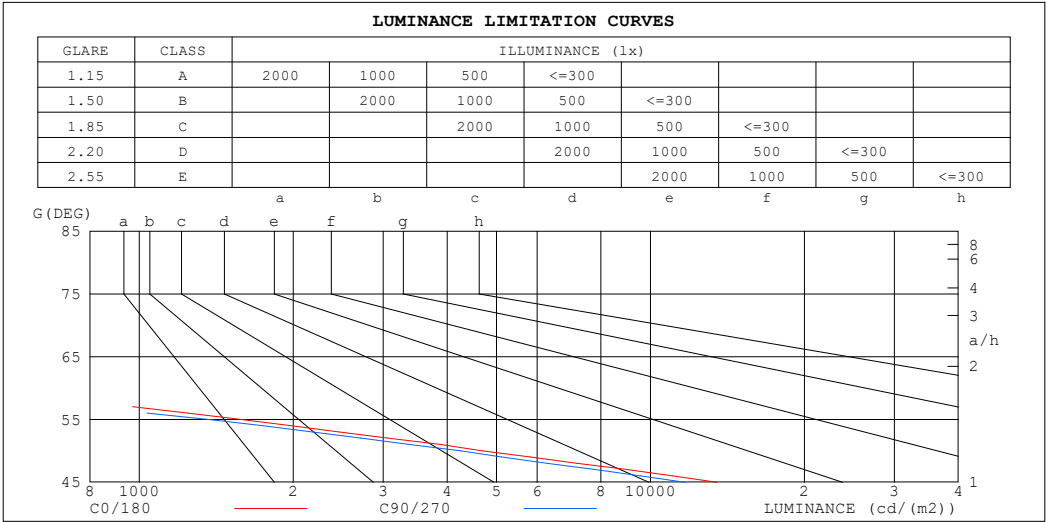
%lamp = 79.1%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25℃  
 Operators:LI  
 Test Date:2025-07-10

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:229.52V I:0.158A P:35.4W PF:0.978 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-60D-3090-matte silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	87	79
80	62	55
75	63	59
70	81	74
65	126	112
60	431	304
55	1583	1368
50	4687	4260
45	13470	11662

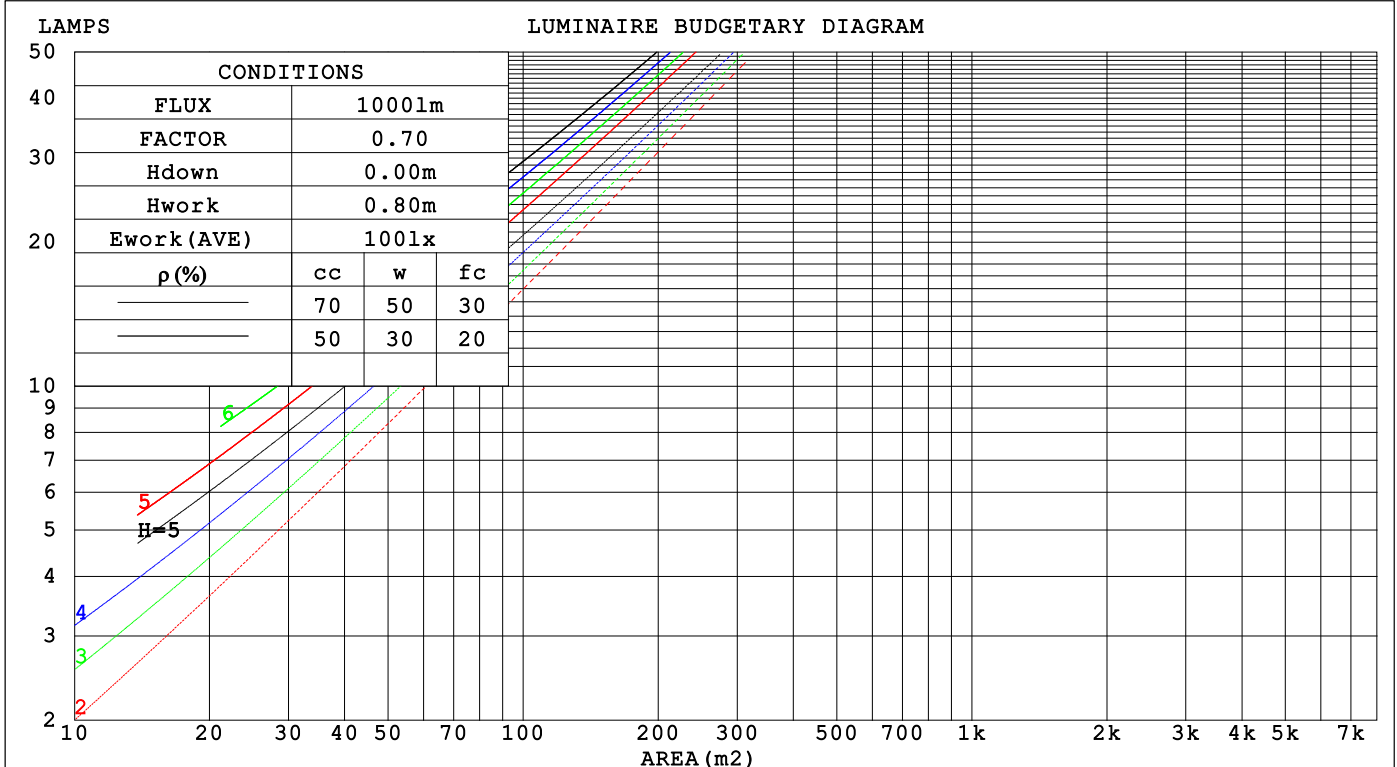
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25℃  
Operators:LI  
Test Date:2025-07-10

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:229.52V I:0.158A P:35.4W PF:0.978 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-60D-3090-matte silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	.94	.94	.94	.92	.92	.92	.88	.88	.88	.84	.84	.84	.81	.81	.81	.79
1.0	.87	.85	.84	.86	.84	.82	.82	.81	.80	.80	.78	.77	.77	.76	.75	.74
2.0	.81	.78	.75	.80	.77	.74	.77	.74	.72	.75	.73	.71	.72	.71	.69	.68
3.0	.75	.71	.68	.74	.70	.67	.72	.69	.66	.70	.67	.65	.68	.66	.64	.63
4.0	.70	.65	.62	.69	.64	.61	.67	.63	.60	.65	.62	.60	.64	.61	.59	.58
5.0	.65	.60	.56	.64	.59	.56	.63	.59	.56	.61	.58	.55	.60	.57	.55	.53
6.0	.60	.55	.52	.60	.55	.52	.59	.54	.51	.57	.54	.51	.56	.53	.51	.49
7.0	.56	.51	.48	.56	.51	.48	.55	.51	.48	.54	.50	.47	.53	.50	.47	.46
8.0	.53	.48	.44	.52	.48	.44	.52	.47	.44	.51	.47	.44	.50	.46	.44	.43
9.0	.50	.45	.41	.49	.45	.41	.48	.44	.41	.48	.44	.41	.47	.43	.41	.40
10.0	.47	.42	.39	.46	.42	.39	.46	.41	.38	.45	.41	.38	.44	.41	.38	.37



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25℃  
Operators:LI  
Test Date:2025-07-10

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:229.52V I:0.158A P:35.4W PF:0.978 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-60D-3090-matte silver		
SPEC.: KGP 40W/1000mA		
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	.147	.083	.026	.141	.081	.026	.131	.075	.024	.122	.070	.023	.114	.066	.021	
2.0	.142	.078	.024	.137	.076	.023	.129	.072	.022	.121	.068	.021	.114	.064	.020	
3.0	.136	.072	.022	.132	.071	.021	.125	.068	.021	.118	.065	.020	.112	.062	.019	
4.0	.130	.067	.020	.126	.066	.020	.120	.064	.019	.114	.061	.019	.109	.059	.018	
5.0	.124	.063	.018	.121	.062	.018	.116	.060	.018	.110	.058	.017	.106	.056	.017	
6.0	.119	.059	.017	.116	.059	.017	.111	.057	.017	.107	.055	.016	.102	.054	.016	
7.0	.113	.056	.016	.111	.055	.016	.107	.054	.016	.103	.053	.015	.099	.051	.015	
8.0	.108	.053	.015	.106	.052	.015	.103	.051	.015	.099	.050	.014	.095	.049	.014	
9.0	.104	.050	.014	.102	.050	.014	.099	.049	.014	.095	.048	.014	.092	.047	.014	
10.0	.100	.048	.013	.098	.047	.013	.095	.046	.013	.092	.046	.013	.089	.045	.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	.151	.151	.151	.129	.129	.129	.088	.088	.088	.051	.051	.051	.016	.016	.016	
1.0	.136	.124	.114	.116	.107	.098	.080	.074	.068	.046	.043	.040	.015	.014	.013	
2.0	.124	.105	.088	.107	.090	.076	.073	.062	.053	.042	.036	.031	.014	.012	.010	
3.0	.115	.090	.070	.099	.078	.061	.068	.054	.042	.039	.031	.025	.013	.010	.008	
4.0	.108	.078	.056	.092	.068	.049	.063	.047	.034	.037	.028	.020	.012	.009	.007	
5.0	.101	.069	.046	.087	.060	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
6.0	.095	.062	.038	.082	.054	.033	.057	.038	.024	.033	.022	.014	.011	.007	.005	
7.0	.091	.056	.032	.078	.049	.028	.054	.034	.020	.031	.020	.012	.010	.007	.004	
8.0	.086	.051	.028	.074	.045	.024	.051	.031	.017	.030	.018	.010	.010	.006	.003	
9.0	.082	.047	.024	.071	.041	.021	.049	.029	.015	.029	.017	.009	.009	.006	.003	
10.0	.079	.044	.021	.068	.038	.018	.047	.027	.013	.027	.016	.008	.009	.005	.003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25℃  
 Operators:LI  
 Test Date:2025-07-10

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:229.52V I:0.158A P:35.4W PF:0.978 Freq:49.99Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm										
NAME: T1268-60D-3090-matte silver										
SPEC.: KGP 40W/1000mA										
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	19.0	20.0	19.2	20.2	20.3	18.7	19.8	19.0	19.9	20.1
3H	18.8	19.7	19.1	19.9	20.1	18.6	19.5	18.8	19.7	19.9
4H	18.7	19.6	19.0	19.8	20.0	18.5	19.4	18.8	19.6	19.8
6H	18.6	19.4	18.9	19.7	19.9	18.4	19.2	18.7	19.4	19.7
8H	18.6	19.4	18.9	19.6	19.9	18.3	19.1	18.6	19.4	19.6
12H	18.5	19.3	18.9	19.6	19.8	18.3	19.0	18.6	19.3	19.6
4H 2H	18.7	19.6	19.0	19.8	20.0	18.5	19.4	18.8	19.6	19.8
3H	18.5	19.3	18.9	19.6	19.8	18.3	19.1	18.6	19.3	19.6
4H	18.4	19.1	18.8	19.4	19.7	18.2	18.9	18.6	19.2	19.5
6H	18.4	18.9	18.7	19.3	19.6	18.1	18.7	18.5	19.0	19.4
8H	18.3	18.9	18.7	19.2	19.6	18.1	18.6	18.5	19.0	19.3
12H	18.3	18.8	18.7	19.1	19.5	18.0	18.5	18.4	18.9	19.3
8H 4H	18.3	18.9	18.7	19.2	19.6	18.1	18.6	18.5	19.0	19.3
6H	18.2	18.7	18.6	19.0	19.5	18.0	18.4	18.4	18.8	19.2
8H	18.2	18.5	18.6	19.0	19.4	17.9	18.3	18.4	18.7	19.2
12H	18.1	18.4	18.6	18.9	19.3	17.9	18.2	18.3	18.6	19.1
12H 4H	18.3	18.8	18.7	19.1	19.5	18.0	18.5	18.4	18.9	19.3
6H	18.2	18.5	18.6	19.0	19.4	17.9	18.3	18.4	18.7	19.2
8H	18.1	18.4	18.6	18.9	19.3	17.9	18.2	18.3	18.6	19.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.6 / -17.8					+ 2.7 / -18.8				
1.5H	+ 3.9 / -10.1					+ 4.1 / -10.6				
2.0H	+ 6.3 / -17.9					+ 6.2 / -19.1				

CIE Pub.117, 6061 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.3)  
 Area: 0.06 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25℃  
 Operators:LI  
 Test Date:2025-07-10

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:229.52V I:0.158A P:35.4W PF:0.978 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-60D-3090-matte silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		

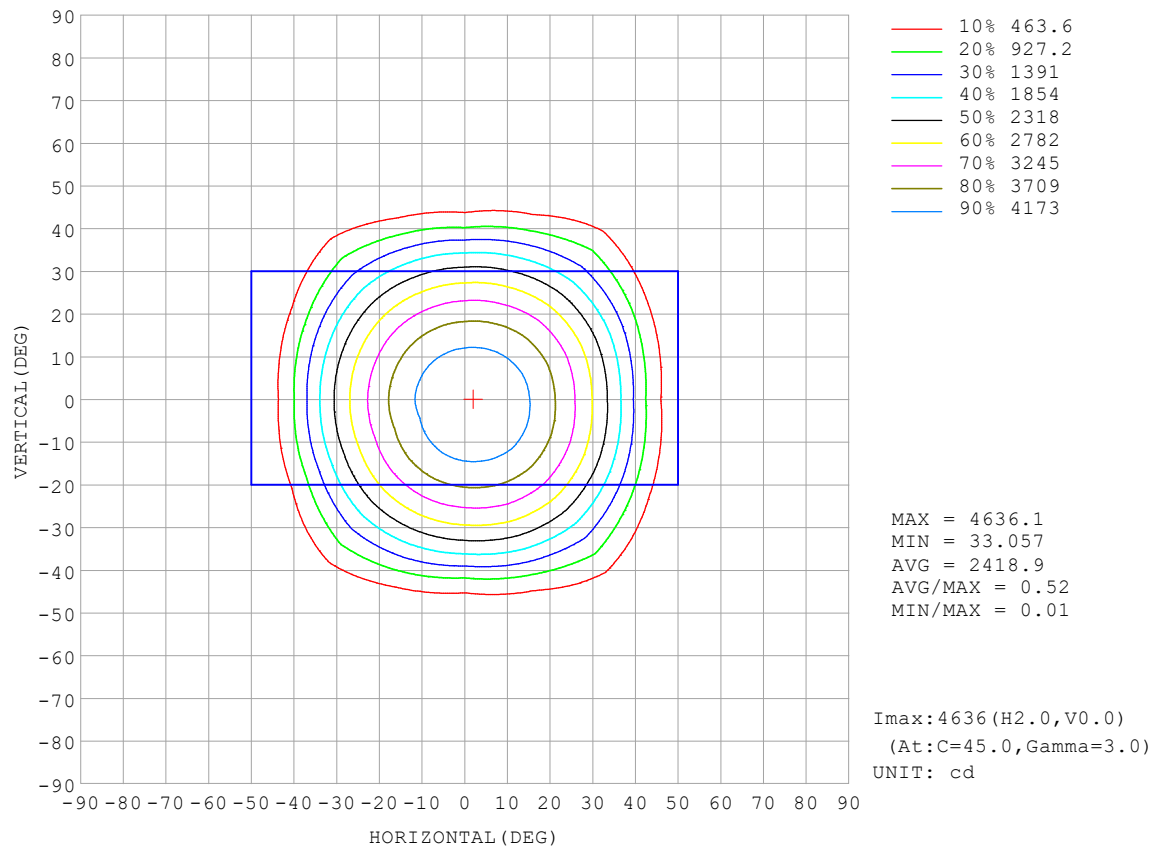
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	61	58	66	61	58	65	60	57	54
0.80	73	68	64	72	67	64	71	67	64	61
1.00	77	72	69	76	72	69	75	72	69	65
1.25	81	76	73	80	76	73	78	75	72	69
1.50	83	79	76	82	78	76	80	77	75	71
2.00	85	82	79	84	81	79	82	79	77	73
2.50	87	84	81	85	83	80	83	81	79	74
3.00	88	85	83	87	84	82	84	82	80	75
4.00	90	87	86	88	86	84	85	84	82	77
5.00	91	89	87	89	87	86	86	85	83	77
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: 2025-07-10

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:229.52V I:0.158A P:35.4W PF:0.978 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-60D-3090-matte silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		



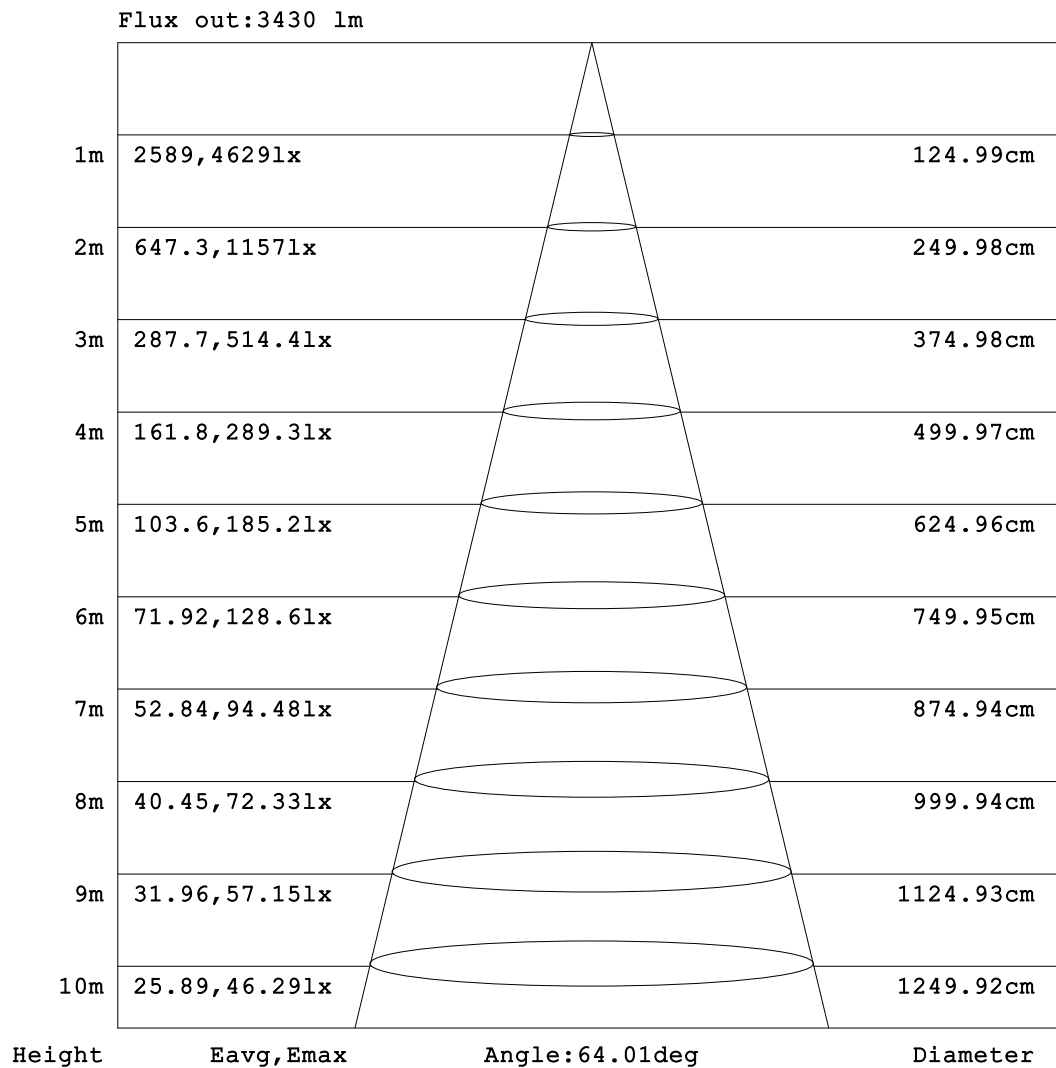
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25℃  
 Operators:LI  
 Test Date:2025-07-10

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:229.52V I:0.158A P:35.4W PF:0.978 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-60D-3090-matte silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		



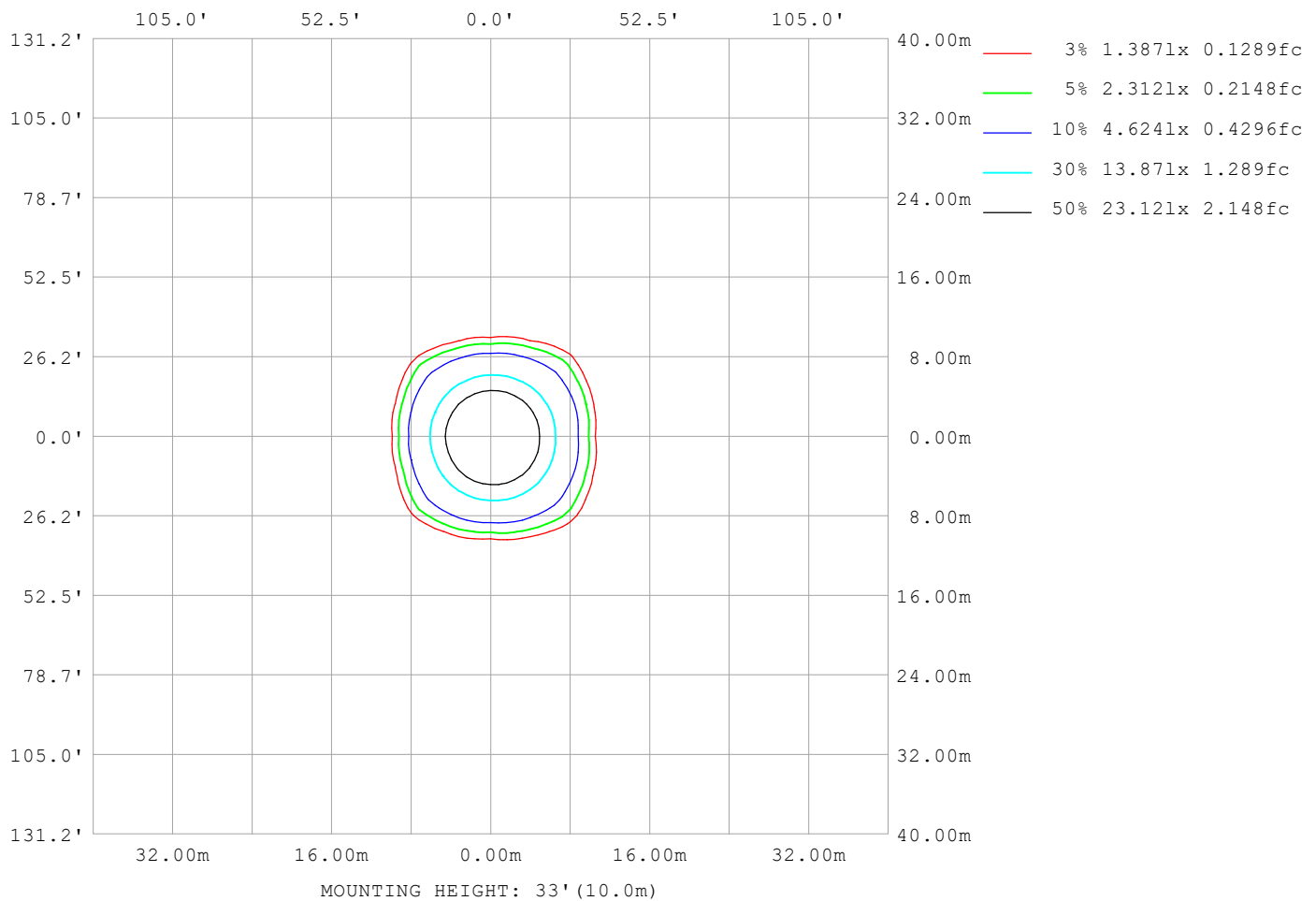
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25°C  
 Operators: LI  
 Test Date: 2025-07-10

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:229.52V I:0.158A P:35.4W PF:0.978 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-60D-3090-matte silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25°C  
 Operators: LI  
 Test Date: 2025-07-10

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:229.52V I:0.158A P:35.4W PF:0.978 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-60D-3090-matte silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		

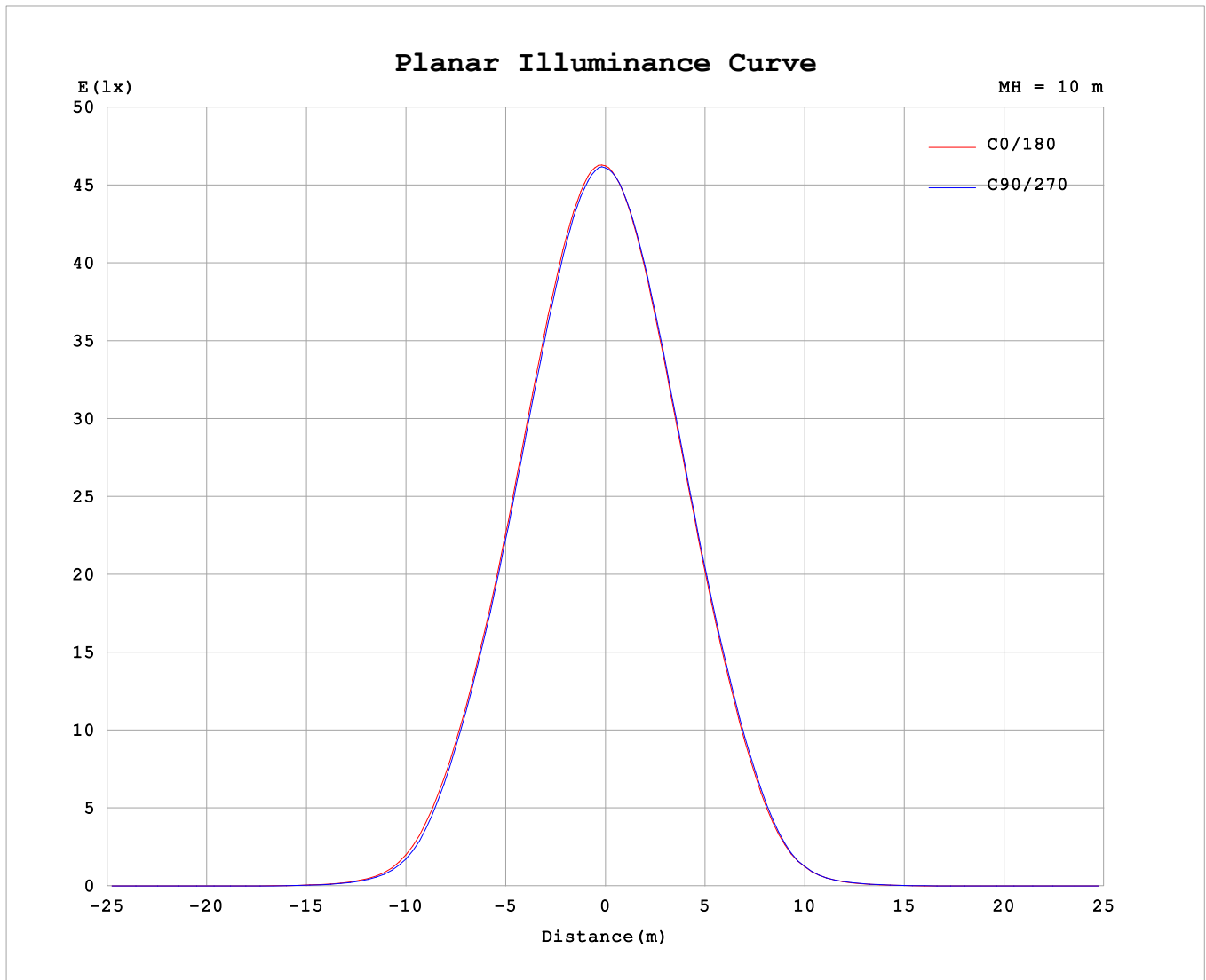
AvgL	cd/m2
L_0~180 (65) av	109
L_0~180 (75) av	57
L_0~180 (85) av	91
L_90~270 (65) av	103
L_90~270 (75) av	54
L_90~270 (85) av	75
L_45 (65) av	171
L_45 (75) av	57
L_45 (85) av	85

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25℃  
 Operators:LI  
 Test Date:2025-07-10

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: 2025-07-10

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:

```