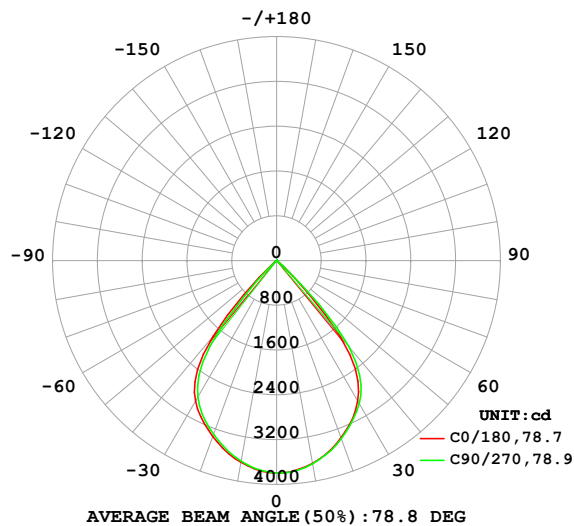


## LUMINAIRE PHOTOMETRIC TEST REPORT

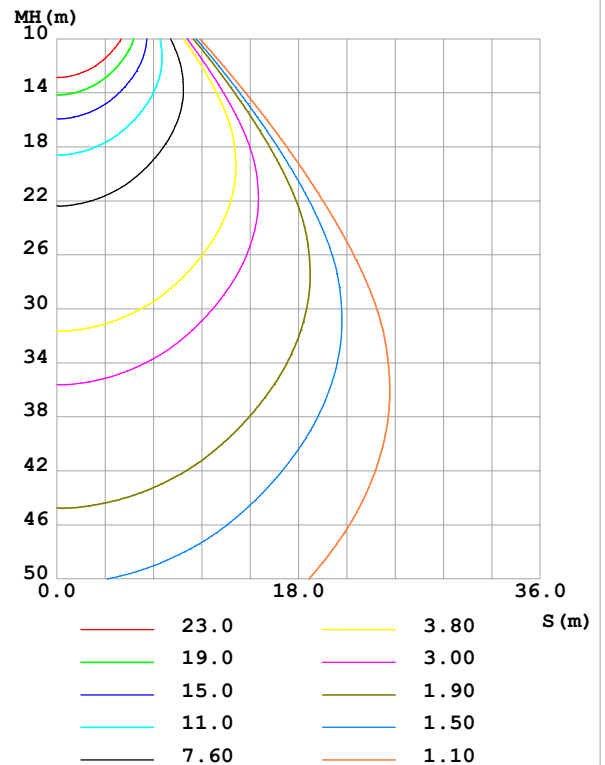
Test:U:230.11V I:0.157A P:35.38W PF:0.977 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-80D-3090-silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 152.08 lm/W			
MODEL	JF 2835	I <sub>max</sub> (cd)	3799	S/MH (C0/180)	1.14
NOMINAL POWER (W)	40	LOR (%)	88.8	S/MH (C90/270)	1.11
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	5381.1	η UP, DN (C0-180)	0.0, 46.0
NOMINAL FLUX (lm)	6060.9	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 42.8
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	88.8	CIBSE SHR MAX	1.30

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: 2025-06-17

γ Range: 0 - 90DEG  
γ Interval: 2.0DEG  
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	3679	3686	3686	3680	3661	3643	3641	3649	0- 10	356.0	356.0	6.62,5.87
20	3367	3410	3385	3380	3343	3340	3299	3355	10- 20	994.4	1350	25.1,22.3
30	2899	3040	2953	3016	2899	2964	2815	2977	20- 30	1457	2808	52.2,46.3
40	1763	2538	2013	2524	1767	2389	1487	2394	30- 40	1621	4429	82.3,73.1
50	75.05	1019	159.1	963.0	60.79	606.5	20.59	623.6	40- 50	878.6	5307	98.6,87.6
60	1.267	5.044	1.379	4.479	1.192	1.410	1.057	1.556	50- 60	71.97	5379	100,88.8
70	0.6603	0.6310	0.6972	0.5354	0.5784	0.4658	0.5490	0.5350	60- 70	0.8148	5380	100,88.8
80	0.4823	0.5036	0.4833	0.4587	0.4519	0.4428	0.4017	0.4945	70- 80	0.5222	5381	100,88.8
90	1.036	0.9003	0.4120	0.9225	0.7615	0.9766	0.4730	0.9989	80- 90	0.6141	5381	100,88.8
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): 5111.3 lm

%lum = 95.0%

%lamp = 84.3%

Conical surface Flux(130deg): 5379.8 lm

%lum = 100.0%

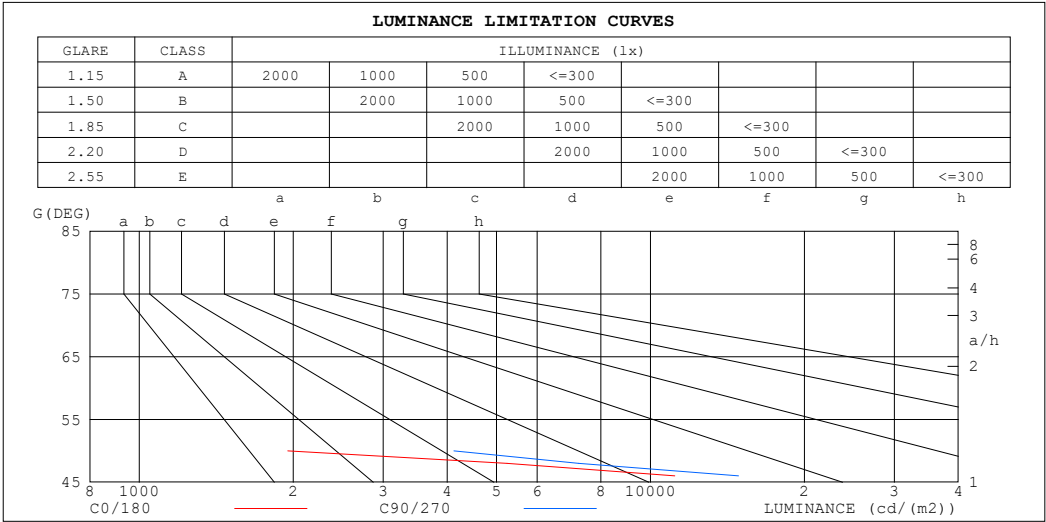
%lamp = 88.8%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:28℃  
 Operators:Li  
 Test Date:2025-06-17

γ Range: 0 - 90DEG  
 γ Interval: 2.0DEG  
 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:230.11V I:0.157A P:35.38W PF:0.977 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-80D-3090-silver		
SPEC.: KGP 40W/1000ma		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	102	84
80	46	46
75	36	37
70	32	34
65	37	39
60	42	46
55	252	350
50	1951	4128
45	19922	25661

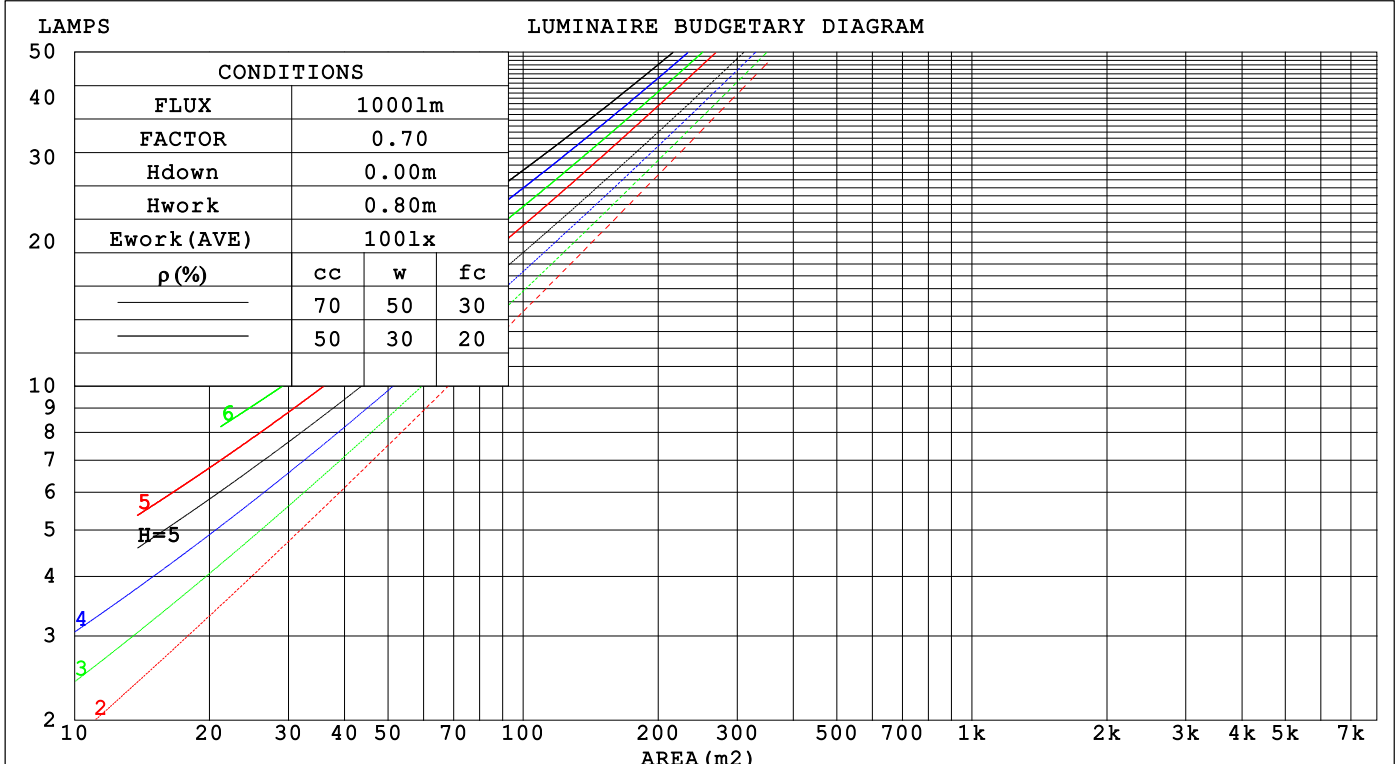
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28℃  
Operators:Li  
Test Date:2025-06-17

γ Range: 0 - 90DEG  
γ Interval: 2.0DEG  
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:230.11V I:0.157A P:35.38W PF:0.977 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-80D-3090-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			Coefficients of Utilization(CU)												
0.0	1.06	1.06	1.06	1.03	1.03	1.03	.99	.99	.99	.94	.94	.94	.91	.91	.91	.89
1.0	.98	.95	.93	.96	.93	.91	.92	.90	.89	.89	.87	.86	.86	.85	.84	.82
2.0	.90	.86	.82	.88	.85	.81	.85	.82	.80	.83	.80	.78	.80	.78	.76	.75
3.0	.83	.78	.74	.81	.77	.73	.79	.75	.72	.77	.73	.71	.75	.72	.70	.68
4.0	.76	.71	.66	.75	.70	.66	.73	.69	.65	.71	.67	.64	.69	.66	.64	.62
5.0	.70	.64	.60	.69	.64	.60	.68	.63	.59	.66	.62	.59	.65	.61	.58	.57
6.0	.65	.59	.55	.64	.58	.54	.63	.58	.54	.61	.57	.54	.60	.56	.53	.52
7.0	.60	.54	.50	.59	.54	.50	.58	.53	.49	.57	.53	.49	.56	.52	.49	.47
8.0	.56	.50	.46	.55	.50	.46	.54	.49	.45	.53	.49	.45	.52	.48	.45	.44
9.0	.52	.46	.42	.52	.46	.42	.51	.45	.42	.50	.45	.42	.49	.45	.42	.40
10.0	.49	.43	.39	.48	.43	.39	.47	.42	.39	.47	.42	.39	.46	.42	.38	.37



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28℃  
Operators:Li  
Test Date:2025-06-17

γ Range: 0 - 90DEG  
γ Interval: 2.0DEG  
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:230.11V I:0.157A P:35.38W PF:0.977 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-80D-3090-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	.173	.098	.031	.167	.095	.030	.156	.089	.029	.146	.084	.027	.136	.079	.025															
2.0	.168	.092	.028	.163	.090	.028	.154	.086	.027	.145	.081	.025	.137	.077	.024															
3.0	.162	.086	.026	.158	.084	.025	.149	.081	.025	.142	.078	.024	.135	.075	.023															
4.0	.155	.081	.024	.152	.079	.023	.144	.077	.023	.138	.074	.022	.131	.071	.022															
5.0	.149	.076	.022	.145	.075	.022	.139	.072	.021	.133	.070	.021	.128	.068	.020															
6.0	.142	.071	.020	.139	.070	.020	.134	.068	.020	.128	.067	.020	.123	.065	.019															
7.0	.136	.067	.019	.133	.066	.019	.128	.065	.019	.124	.063	.018	.119	.062	.018															
8.0	.130	.064	.018	.128	.063	.018	.123	.062	.018	.119	.060	.017	.115	.059	.017															
9.0	.124	.060	.017	.122	.060	.017	.118	.058	.017	.114	.057	.016	.111	.056	.016															
10.0	.119	.057	.016	.117	.057	.016	.114	.056	.016	.110	.055	.016	.107	.054	.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	.127	.131	.120	.110	.090	.082	.076	.052	.048	.044	.017	.015	.014	
2.0	.141	.118	.098	.121	.101	.085	.083	.070	.059	.048	.041	.035	.015	.013	.011	
3.0	.131	.101	.077	.112	.087	.067	.077	.061	.047	.045	.035	.028	.014	.011	.009	
4.0	.123	.088	.062	.106	.076	.053	.073	.053	.038	.042	.031	.022	.014	.010	.007	
5.0	.116	.078	.050	.100	.068	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
6.0	.110	.070	.042	.095	.061	.036	.065	.043	.026	.038	.025	.015	.012	.008	.005	
7.0	.105	.064	.035	.090	.055	.031	.062	.039	.022	.036	.023	.013	.012	.007	.004	
8.0	.100	.059	.030	.086	.051	.026	.060	.036	.019	.035	.021	.011	.011	.007	.004	
9.0	.096	.054	.026	.083	.047	.023	.057	.033	.016	.033	.019	.010	.011	.006	.003	
10.0	.092	.050	.023	.079	.044	.020	.055	.031	.014	.032	.018	.008	.010	.006	.003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:28℃  
 Operators:Li  
 Test Date:2025-06-17

γ Range: 0 - 90DEG  
 γ Interval: 2.0DEG  
 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:230.11V I:0.157A P:35.38W PF:0.977 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm										
NAME: T1268-80D-3090-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	20.8	21.9	21.1	22.1	22.3	21.0	22.2	21.3	22.3	22.5
3H	20.7	21.7	20.9	21.9	22.1	20.9	21.9	21.1	22.1	22.3
4H	20.6	21.5	20.9	21.7	22.0	20.8	21.7	21.1	21.9	22.2
6H	20.5	21.4	20.8	21.6	21.9	20.7	21.6	21.0	21.8	22.1
8H	20.4	21.3	20.7	21.5	21.8	20.6	21.5	21.0	21.7	22.0
12H	20.4	21.2	20.7	21.5	21.7	20.6	21.4	20.9	21.7	22.0
4H 2H	20.6	21.5	20.9	21.7	22.0	20.8	21.7	21.1	21.9	22.2
3H	20.4	21.2	20.7	21.5	21.7	20.6	21.4	20.9	21.7	22.0
4H	20.3	21.0	20.6	21.3	21.6	20.5	21.2	20.9	21.5	21.8
6H	20.2	20.8	20.6	21.2	21.5	20.4	21.0	20.8	21.4	21.7
8H	20.2	20.7	20.5	21.1	21.5	20.4	20.9	20.8	21.3	21.7
12H	20.1	20.6	20.5	21.0	21.4	20.3	20.8	20.7	21.2	21.6
8H 4H	20.2	20.7	20.5	21.1	21.5	20.4	20.9	20.8	21.3	21.7
6H	20.1	20.5	20.5	20.9	21.3	20.3	20.7	20.7	21.1	21.6
8H	20.0	20.4	20.5	20.8	21.3	20.2	20.6	20.7	21.1	21.5
12H	20.0	20.3	20.4	20.8	21.2	20.2	20.5	20.6	21.0	21.4
12H 4H	20.1	20.6	20.5	21.0	21.4	20.3	20.8	20.7	21.2	21.6
6H	20.0	20.4	20.5	20.8	21.3	20.2	20.6	20.7	21.1	21.5
8H	20.0	20.3	20.4	20.8	21.2	20.2	20.5	20.6	21.0	21.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.0 / -35.5					+ 3.0 / -35.2				
1.5H	+ 3.6 / -23.5					+ 3.6 / -23.4				
2.0H	+ 6.6 / -30.4					+ 7.0 / -30.8				

CIE Pub.117, 6061 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 6.3$ )  
 Area: 0.06 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:28℃  
 Operators:Li  
 Test Date:2025-06-17

γ Range: 0 - 90DEG  
 γ Interval: 2.0DEG  
 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:230.11V I:0.157A P:35.38W PF:0.977 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-80D-3090-silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		

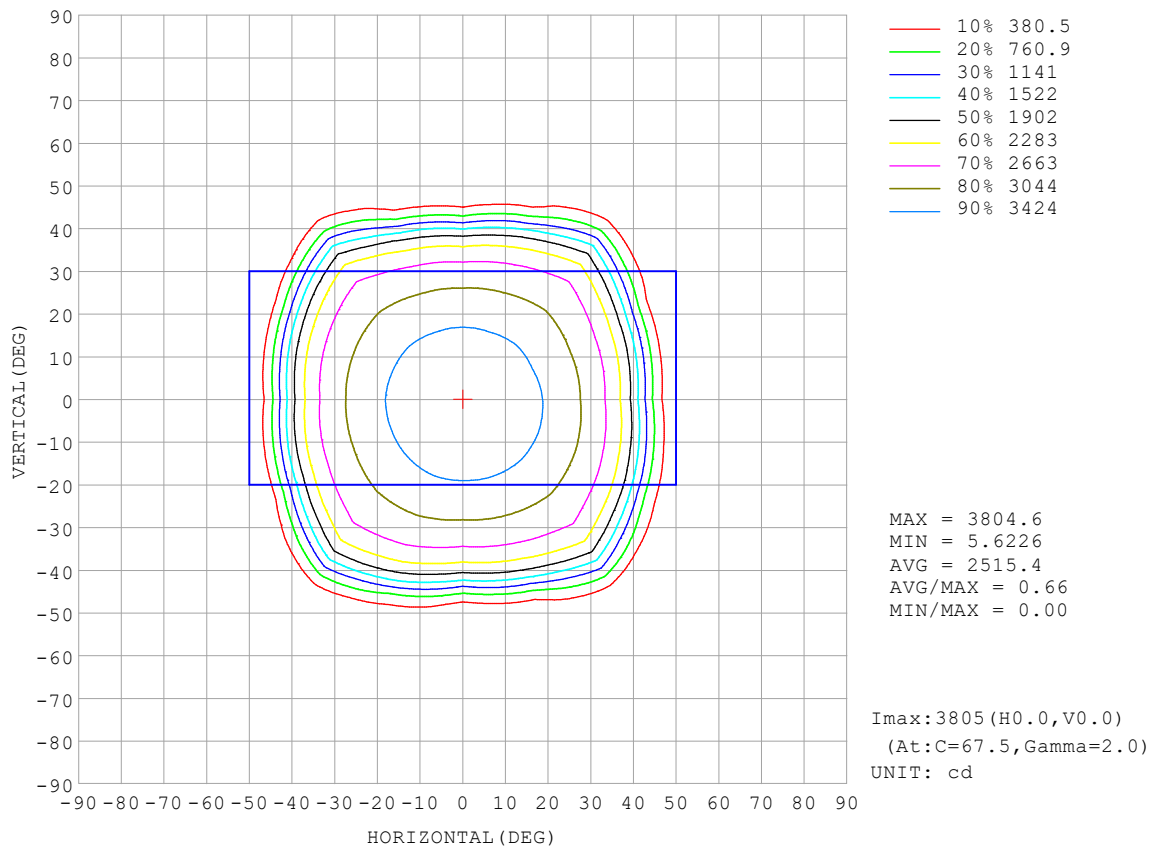
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	65	61	71	64	60	70	64	60	57
0.80	79	73	69	78	72	69	77	72	68	64
1.00	84	79	75	84	78	75	82	78	74	70
1.25	89	84	80	88	83	80	86	82	79	75
1.50	92	87	83	91	86	83	89	85	82	78
2.00	95	91	88	94	90	87	91	88	86	81
2.50	97	93	90	95	92	89	92	89	87	82
3.00	98	95	92	97	93	91	93	91	89	83
4.00	100	97	95	98	96	94	95	93	91	85
5.00	101	99	97	99	97	95	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: 28°C  
 Operators: Li  
 Test Date: 2025-06-17

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.485  
 Humidity: 75%  
 Test Distance: 8.458m [K=1.0000]  
 Remarks:

# ISOCANDELA DIAGRAM

Test:U:230.11V I:0.157A P:35.38W PF:0.977 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-80D-3090-silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		



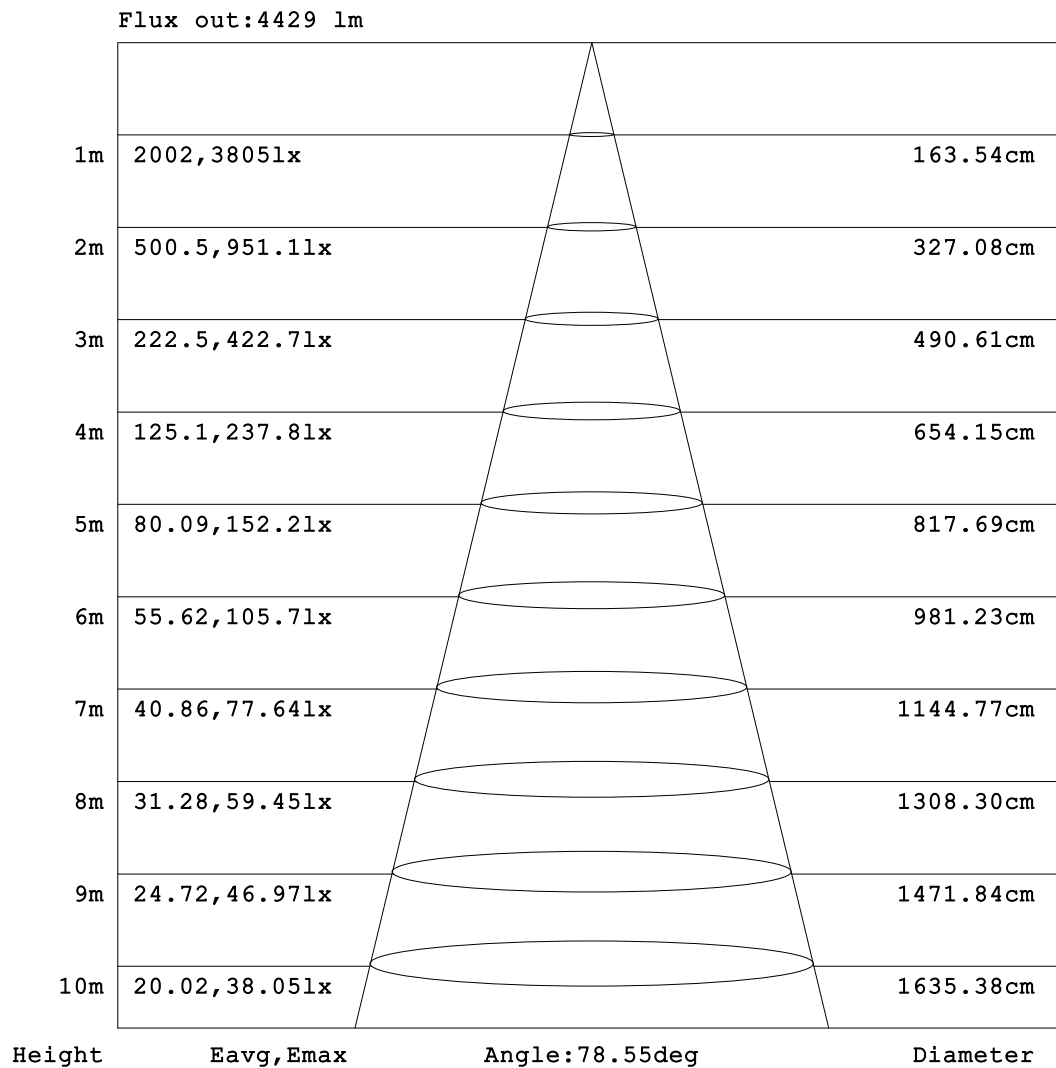
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:28℃  
 Operators:Li  
 Test Date:2025-06-17

γ Range: 0 - 90DEG  
 γ Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.485  
 Humidity:75%  
 Test Distance:8.458m [K=1.0000]  
 Remarks:



### AAI Figure

Test:U:230.11V I:0.157A P:35.38W PF:0.977 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-80D-3090-silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		



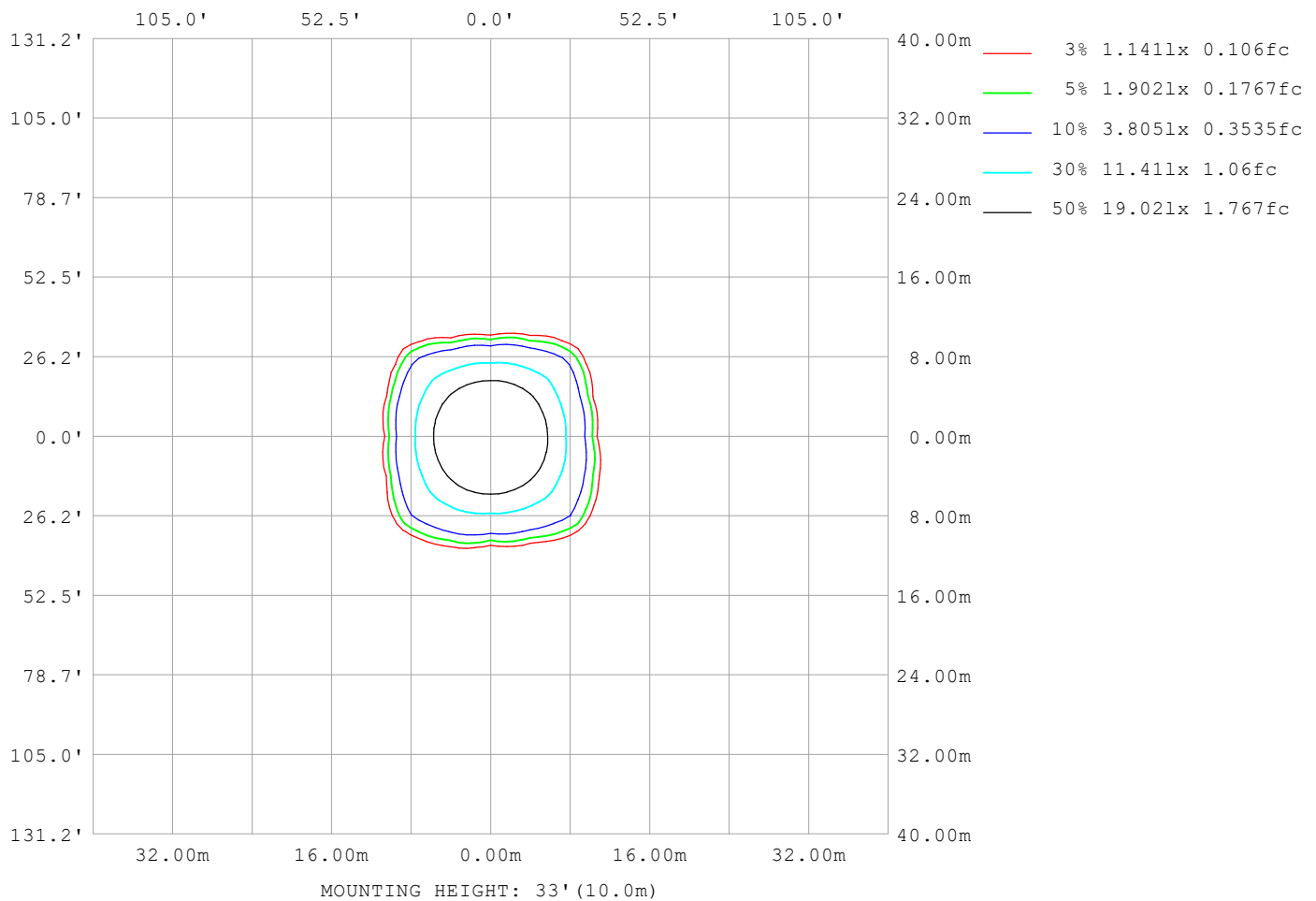
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:28℃  
 Operators:Li  
 Test Date:2025-06-17

γ Range: 0 - 90DEG  
 γ Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.485  
 Humidity:75%  
 Test Distance:8.458m [K=1.0000]  
 Remarks:

# ISOLUX DIAGRAM

Test:U:230.11V I:0.157A P:35.38W PF:0.977 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-80D-3090-silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 28°C  
 Operators: Li  
 Test Date: 2025-06-17

γ Range: 0 - 90DEG  
 γ Interval: 2.0DEG  
 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:230.11V I:0.157A P:35.38W PF:0.977 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:6060.9x1 lm		
NAME: T1268-80D-3090-silver		
SPEC.: KGP 40W/1000mA		
MFR.: SOTEN		

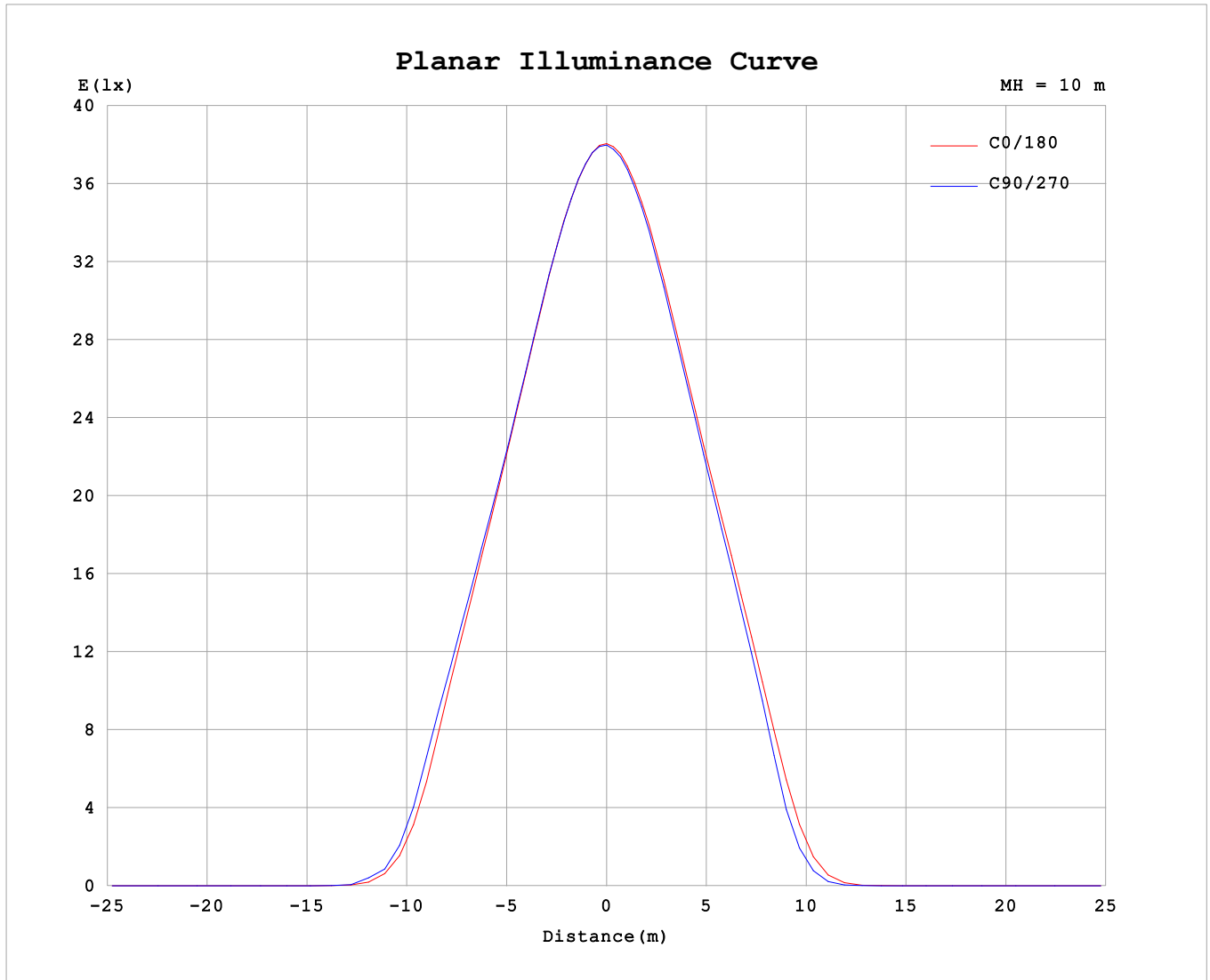
AvgL	cd/m2
L_0~180 (65) av	33
L_0~180 (75) av	32
L_0~180 (85) av	105
L_90~270 (65) av	32
L_90~270 (75) av	32
L_90~270 (85) av	78
L_45 (65) av	27
L_45 (75) av	32
L_45 (85) av	110

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 28℃  
 Operators: Li  
 Test Date: 2025-06-17

γ Range: 0 - 90DEG  
 γ Interval: 2.0DEG  
 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: 2025-06-17

γ Range: 0 - 90DEG  
γ Interval: 2.0DEG  
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: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity:75%
Test Distance:8.458m [K=1.0000]
Remarks:

```