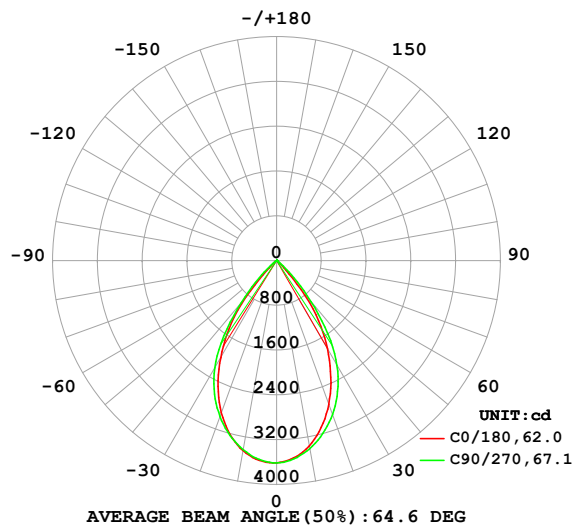


LUMINAIRE PHOTOMETRIC TEST REPORT

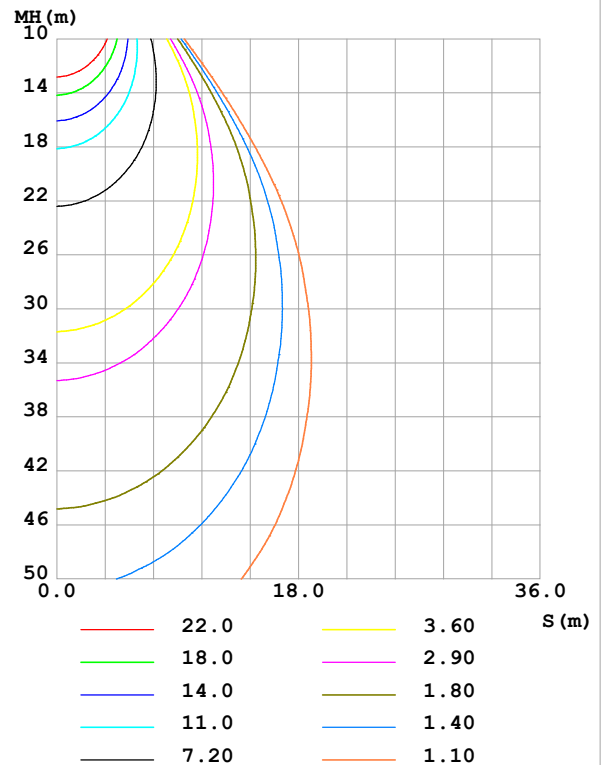
Test:U:229.40V I:0.128A P:28.3W PF:0.967 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-60D-3090-matte silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.50 lm/W			
MODEL	JF DC2835	Imax (cd)	3616	S/MH (C0/180)	0.95
NOMINAL POWER (W)	30	LOR (%)	78.3	S/MH (C90/270)	0.99
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	3804.3	η UP, DN (C0-180)	0.0, 38.6
NOMINAL FLUX (lm)	4859.5	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 39.7
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	230	η down (%)	78.3	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: 2025-07-08

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	3365	3393	3412	3423	3452	3453	3434	3411	0- 10	335.3	335.3	8.81, 6.9
20	2731	2850	2924	2913	2890	2964	2963	2885	10- 20	892.7	1228	32.3, 25.3
30	1821	2037	2158	2120	2000	2182	2212	2089	20- 30	1149	2377	62.5, 48.9
40	686.1	1097	958.2	1157	863.8	1214	983.9	1139	30- 40	968.0	3345	87.9, 68.8
50	54.27	274.8	157.6	306.5	65.45	322.4	152.1	293.6	40- 50	397.6	3742	98.4, 77
60	5.272	17.04	7.114	19.00	5.991	18.53	6.890	18.15	50- 60	56.96	3799	99.9, 78.2
70	1.118	1.390	1.287	1.360	1.099	1.282	1.164	1.288	60- 70	3.751	3803	100, 78.3
80	0.3898	0.4111	0.4531	0.4061	0.3424	0.3636	0.4106	0.3691	70- 80	0.7561	3804	100, 78.3
90	0.2129	0.2651	0.2341	0.2549	0.2493	0.2859	0.2862	0.3017	80- 90	0.3215	3804	100, 78.3
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): 3616.6 lm

%lum = 95.1%

%lamp = 74.4%

Conical surface Flux(130deg): 3802.3 lm

%lum = 99.9%

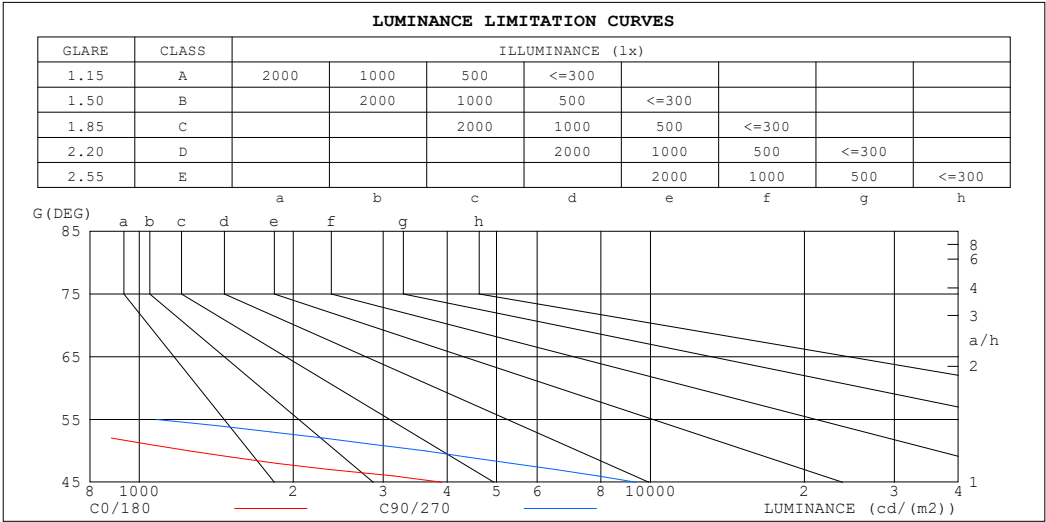
%lamp = 78.2%

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:229.40V I:0.128A P:28.3W PF:0.967 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-60D-3090-matte silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	45	50
80	33	39
75	36	43
70	48	56
65	75	84
60	156	211
55	523	1081
50	1252	3630
45	3905	9365

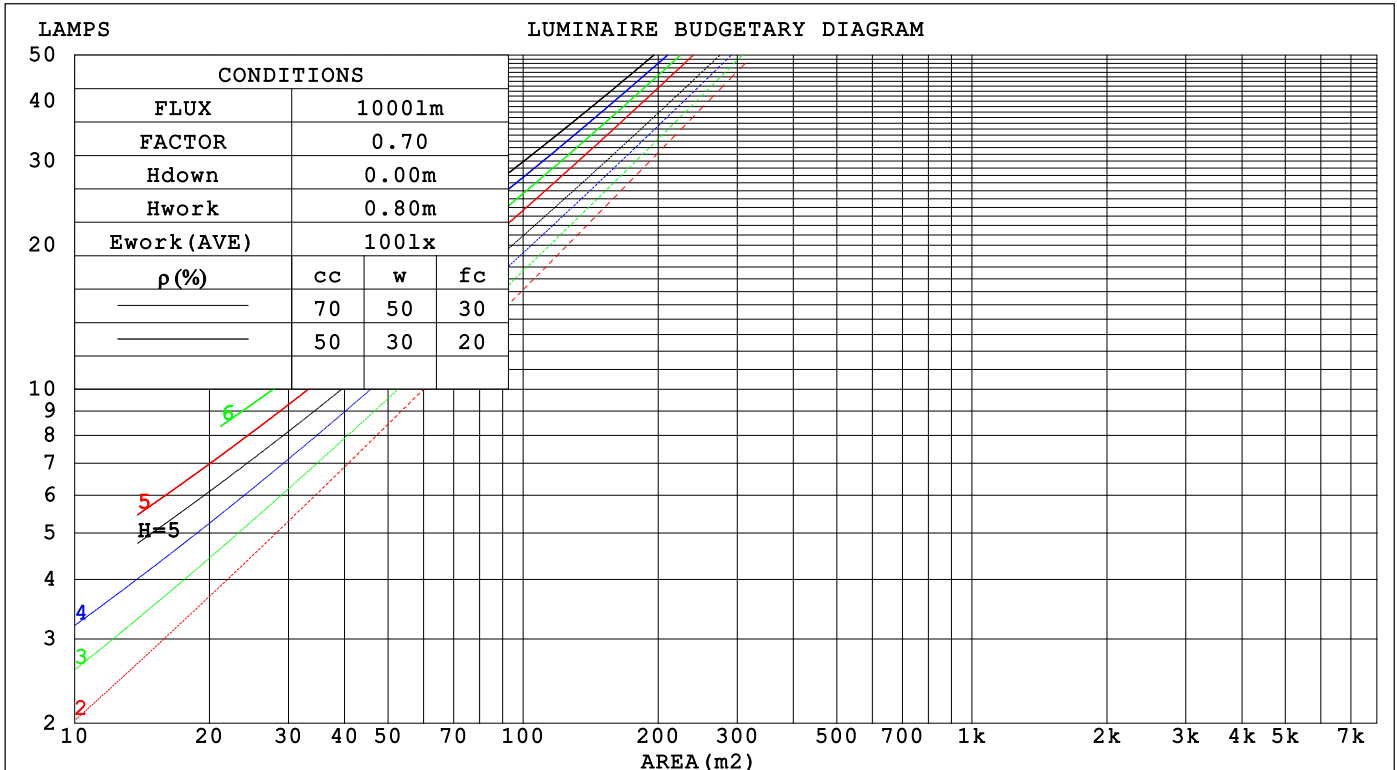
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25℃
Operators:LI
Test Date:2025-07-08

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:229.40V I:0.128A P:28.3W PF:0.967 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-60D-3090-matte silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
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	.93	.93	.93	.91	.91	.91	.87	.87	.87	.83	.83	.83	.80	.80	.80	.78
1.0	.86	.84	.83	.85	.83	.81	.82	.80	.79	.79	.77	.76	.76	.75	.74	.73
2.0	.80	.77	.74	.79	.76	.73	.76	.74	.71	.74	.72	.70	.72	.70	.68	.67
3.0	.74	.70	.67	.73	.69	.66	.71	.68	.65	.69	.66	.64	.67	.65	.63	.62
4.0	.69	.64	.61	.68	.64	.60	.66	.63	.60	.65	.62	.59	.63	.60	.58	.57
5.0	.64	.59	.56	.63	.59	.55	.62	.58	.55	.61	.57	.54	.59	.56	.54	.53
6.0	.60	.55	.51	.59	.54	.51	.58	.54	.51	.57	.53	.50	.56	.52	.50	.49
7.0	.56	.51	.47	.55	.50	.47	.54	.50	.47	.53	.49	.47	.52	.49	.46	.45
8.0	.52	.47	.44	.52	.47	.44	.51	.47	.44	.50	.46	.43	.49	.46	.43	.42
9.0	.49	.44	.41	.49	.44	.41	.48	.44	.41	.47	.43	.40	.46	.43	.40	.39
10.0	.46	.41	.38	.46	.41	.38	.45	.41	.38	.44	.41	.38	.44	.40	.38	.37



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:229.40V I:0.128A P:28.3W PF:0.967 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-60D-3090-matte silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
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	.145	.083	.026	.140	.080	.025	.130	.075	.024	.121	.070	.022	.112	.065	.021															
2.0	.140	.077	.024	.136	.075	.023	.127	.071	.022	.120	.067	.021	.113	.064	.020															
3.0	.134	.072	.021	.131	.070	.021	.123	.067	.020	.117	.064	.020	.111	.061	.019															
4.0	.129	.067	.020	.125	.066	.019	.119	.063	.019	.113	.061	.018	.108	.059	.018															
5.0	.123	.063	.018	.120	.062	.018	.114	.060	.018	.109	.058	.017	.105	.056	.017															
6.0	.117	.059	.017	.115	.058	.017	.110	.056	.016	.106	.055	.016	.101	.053	.016															
7.0	.112	.056	.016	.110	.055	.016	.106	.053	.015	.102	.052	.015	.098	.051	.015															
8.0	.107	.053	.015	.105	.052	.015	.102	.051	.015	.098	.050	.014	.095	.049	.014															
9.0	.103	.050	.014	.101	.049	.014	.098	.048	.014	.094	.047	.014	.091	.046	.013															
10.0	.099	.047	.013	.097	.047	.013	.094	.046	.013	.091	.045	.013	.088	.044	.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	.149	.149	.149	.127	.127	.127	.087	.087	.087	.050	.050	.050	.016	.016	.016	
1.0	.134	.123	.113	.115	.106	.097	.079	.073	.067	.045	.042	.039	.015	.014	.013	
2.0	.123	.104	.087	.105	.089	.076	.072	.062	.053	.042	.036	.031	.013	.012	.010	
3.0	.114	.089	.069	.098	.077	.060	.067	.053	.042	.039	.031	.025	.012	.010	.008	
4.0	.106	.078	.056	.091	.067	.048	.063	.047	.034	.036	.027	.020	.012	.009	.007	
5.0	.100	.069	.045	.086	.059	.040	.059	.041	.028	.034	.024	.017	.011	.008	.005	
6.0	.094	.061	.038	.081	.053	.033	.056	.037	.023	.033	.022	.014	.010	.007	.005	
7.0	.090	.056	.032	.077	.048	.028	.053	.034	.020	.031	.020	.012	.010	.007	.004	
8.0	.085	.051	.027	.073	.044	.024	.051	.031	.017	.030	.018	.010	.010	.006	.003	
9.0	.081	.047	.024	.070	.041	.021	.049	.029	.015	.028	.017	.009	.009	.006	.003	
10.0	.078	.044	.021	.067	.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:2025-07-08

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:229.40V I:0.128A P:28.3W PF:0.967 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm										
NAME: T1276-60D-3090-matte silver										
SPEC.: KGP SC34W650-800CG-34W/800mA										
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	15.7	16.7	15.9	16.9	17.0	17.0	18.0	17.2	18.2	18.3
3H	15.5	16.4	15.8	16.6	16.8	16.8	17.7	17.1	17.9	18.1
4H	15.4	16.3	15.7	16.5	16.7	16.7	17.6	17.0	17.8	18.0
6H	15.3	16.1	15.6	16.4	16.6	16.6	17.4	16.9	17.7	17.9
8H	15.3	16.1	15.6	16.3	16.6	16.6	17.4	16.9	17.6	17.9
12H	15.2	16.0	15.5	16.2	16.5	16.5	17.3	16.9	17.6	17.8
4H 2H	15.4	16.3	15.7	16.5	16.7	16.7	17.6	17.0	17.8	18.0
3H	15.2	16.0	15.6	16.3	16.5	16.5	17.3	16.9	17.6	17.8
4H	15.1	15.8	15.5	16.1	16.4	16.4	17.1	16.8	17.4	17.7
6H	15.0	15.6	15.4	16.0	16.3	16.3	16.9	16.7	17.3	17.6
8H	15.0	15.6	15.4	15.9	16.3	16.3	16.8	16.7	17.2	17.6
12H	15.0	15.5	15.4	15.8	16.2	16.2	16.8	16.7	17.1	17.5
8H 4H	15.0	15.6	15.4	15.9	16.3	16.3	16.8	16.7	17.2	17.6
6H	14.9	15.4	15.3	15.7	16.2	16.2	16.6	16.6	17.0	17.5
8H	14.8	15.2	15.3	15.7	16.1	16.1	16.5	16.6	17.0	17.4
12H	14.8	15.1	15.3	15.6	16.0	16.1	16.4	16.6	16.9	17.3
12H 4H	15.0	15.5	15.4	15.8	16.2	16.2	16.8	16.7	17.1	17.5
6H	14.8	15.2	15.3	15.7	16.1	16.1	16.5	16.6	17.0	17.4
8H	14.8	15.1	15.3	15.6	16.0	16.1	16.4	16.6	16.9	17.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.7 / -20.5					+ 2.6 / -18.5				
1.5H	+ 4.5 / -14.0					+ 4.3 / -11.1				
2.0H	+ 6.1 / -16.4					+ 6.5 / -20.1				

CIE Pub.117, 4860 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 5.5$)
 Area: 0.0675 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:229.40V I:0.128A P:28.3W PF:0.967 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-60D-3090-matte silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		

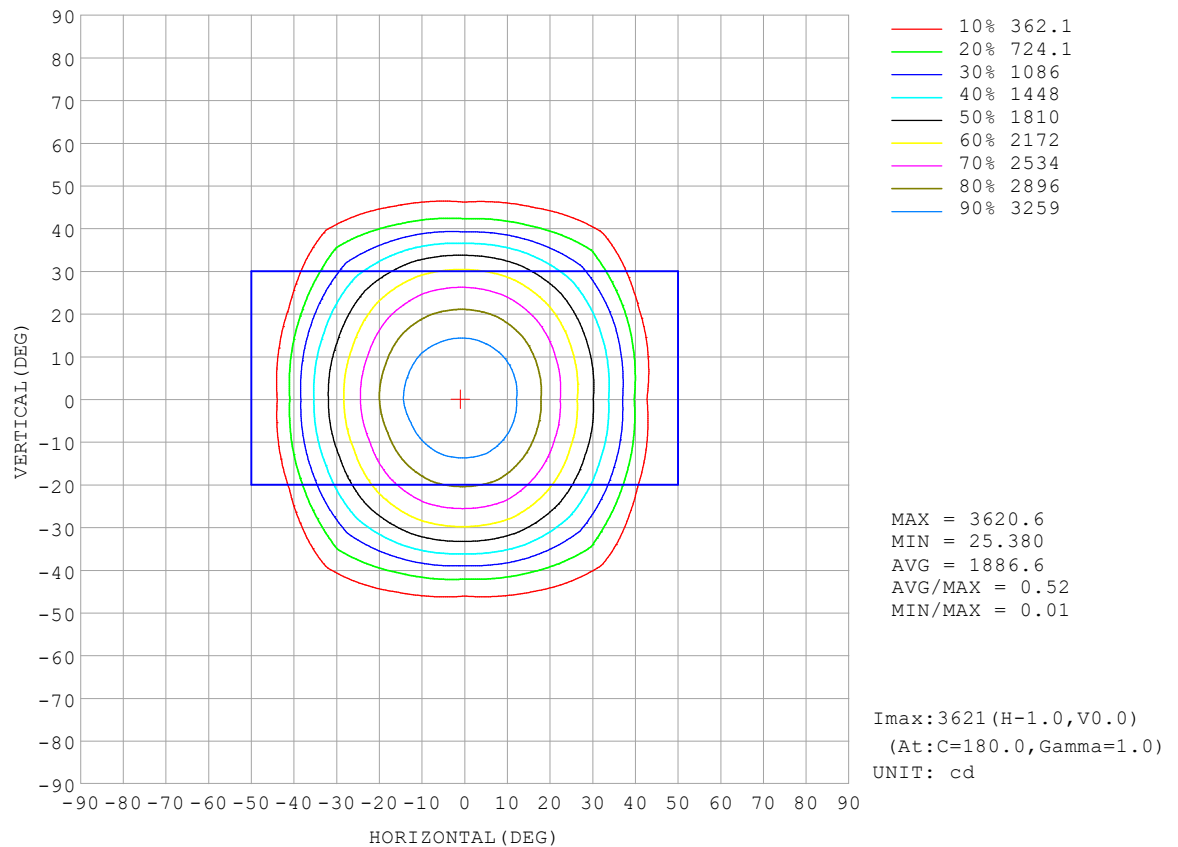
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	60	57	65	60	57	65	60	57	54
0.80	72	67	64	71	67	64	70	66	63	60
1.00	76	71	68	75	71	68	74	71	68	64
1.25	80	75	72	79	75	72	77	74	71	68
1.50	82	78	75	81	77	75	79	76	74	70
2.00	84	81	78	83	80	78	81	79	77	72
2.50	86	83	80	85	82	79	82	80	78	73
3.00	87	84	82	86	83	81	83	81	79	74
4.00	89	86	85	87	85	83	84	83	81	76
5.00	90	88	86	88	86	85	85	84	83	76
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:229.40V I:0.128A P:28.3W PF:0.967 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-60D-3090-matte silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		

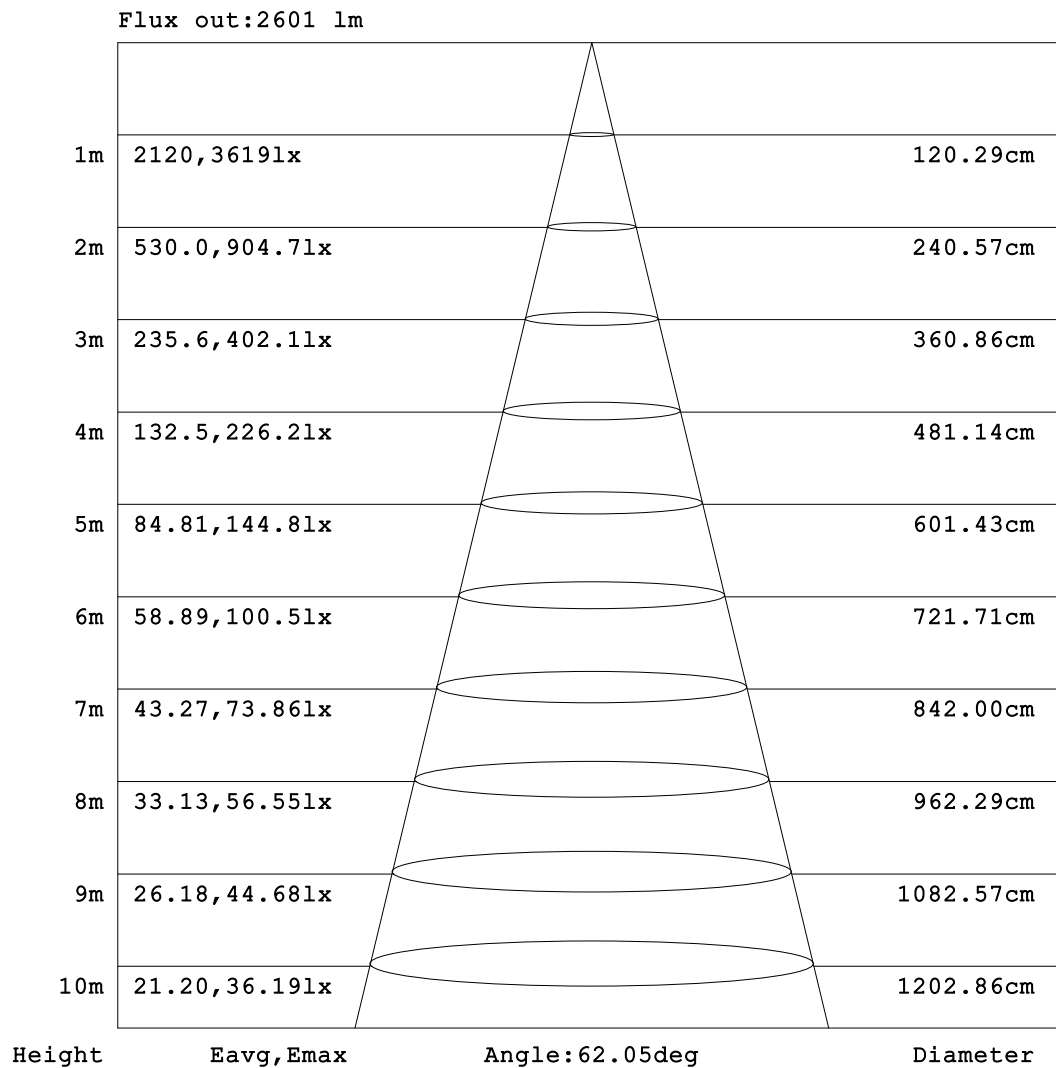


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25℃
Operators:LI
Test Date:2025-07-08

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:229.40V I:0.128A P:28.3W PF:0.967 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-60D-3090-matte silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		



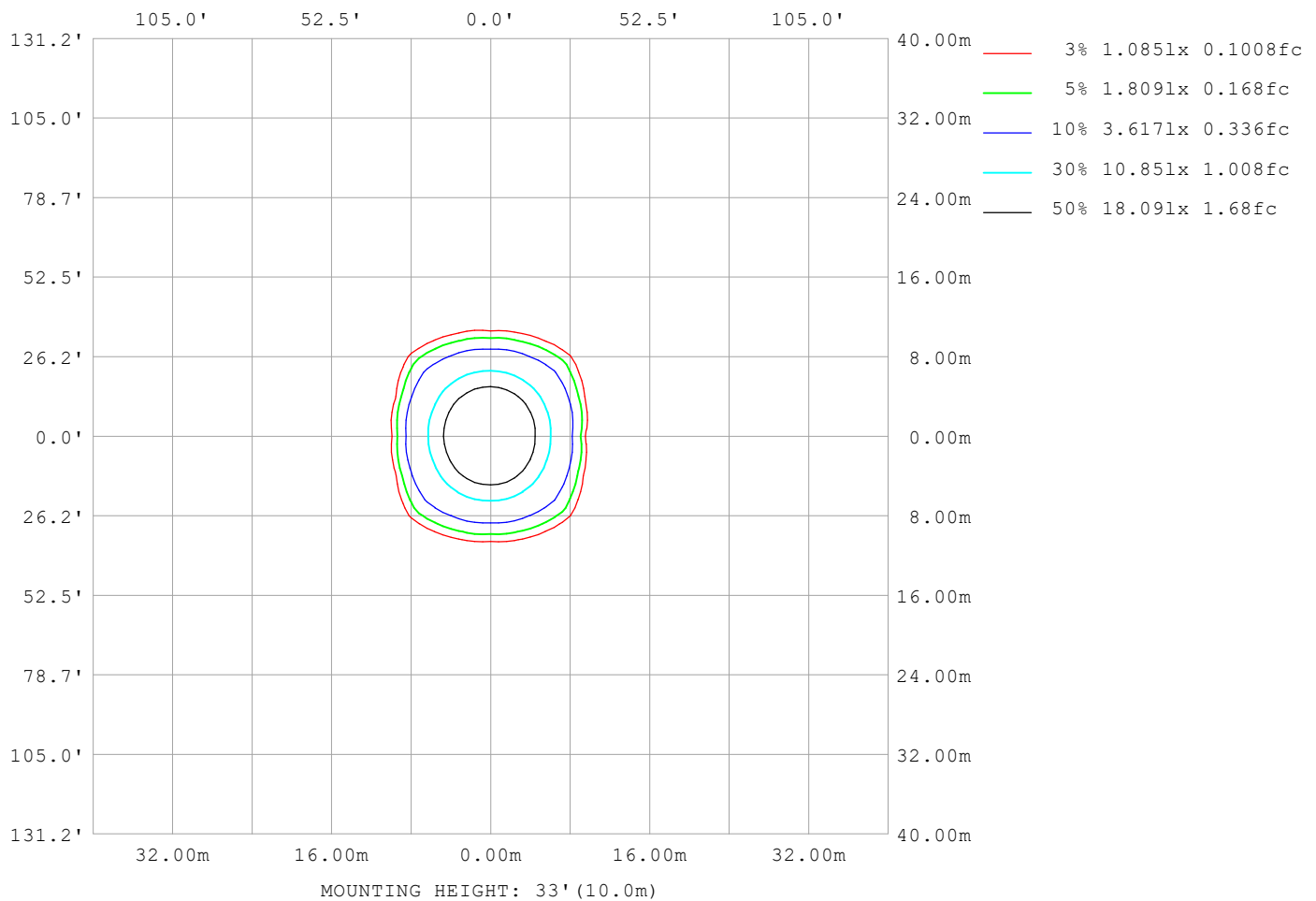
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:229.40V I:0.128A P:28.3W PF:0.967 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-60D-3090-matte silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
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:229.40V I:0.128A P:28.3W PF:0.967 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-60D-3090-matte silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		

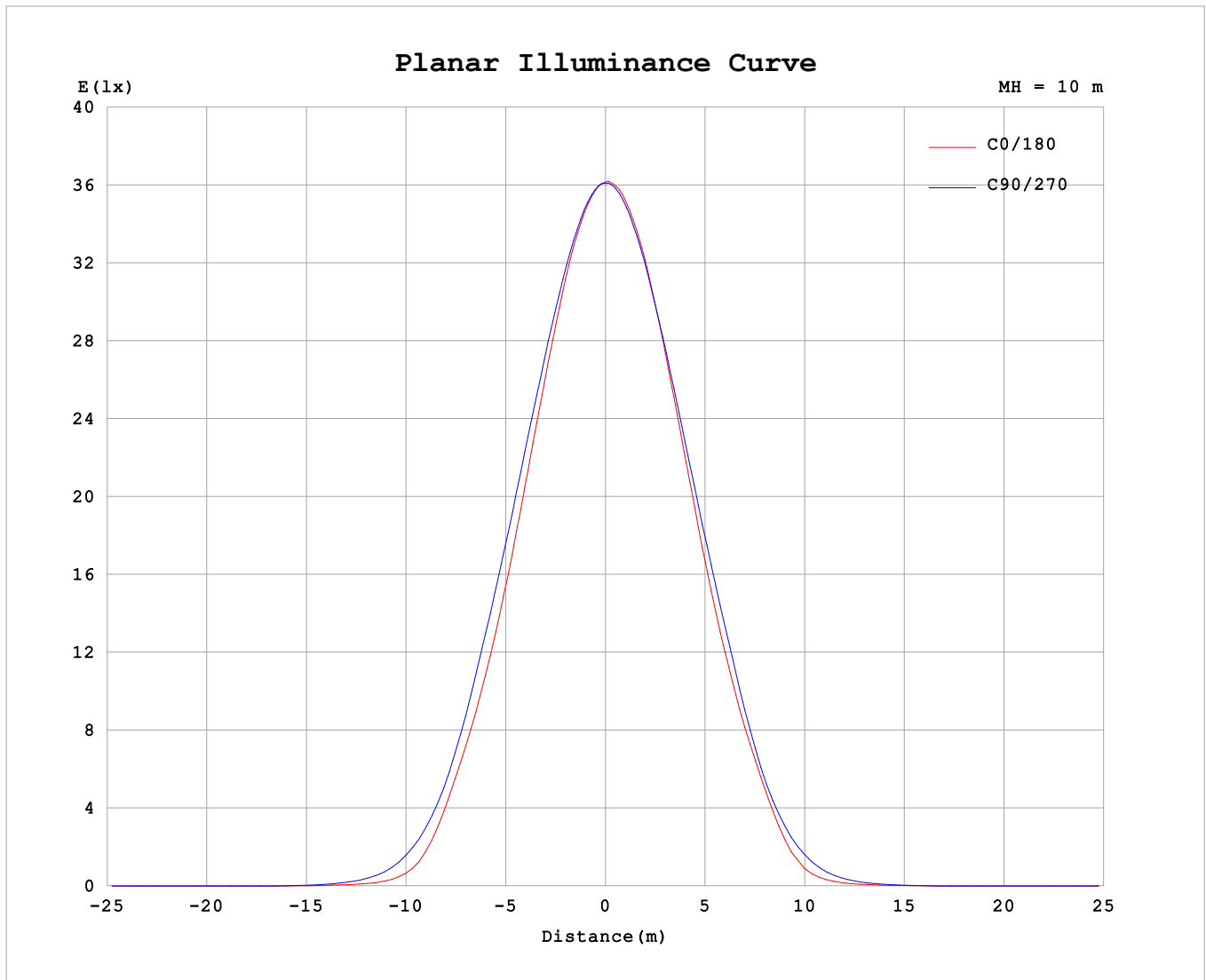
AvgL	cd/m2
L_0~180 (65) av	76
L_0~180 (75) av	35
L_0~180 (85) av	44
L_90~270 (65) av	81
L_90~270 (75) av	40
L_90~270 (85) av	49
L_45 (65) av	112
L_45 (75) av	39
L_45 (85) av	50

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:

```