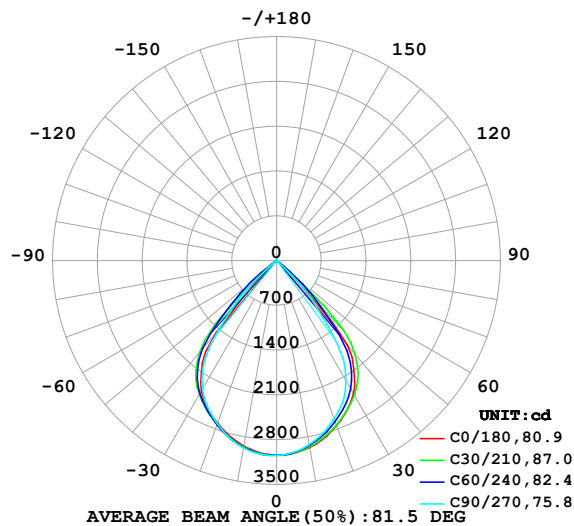


LUMINAIRE PHOTOMETRIC TEST REPORT

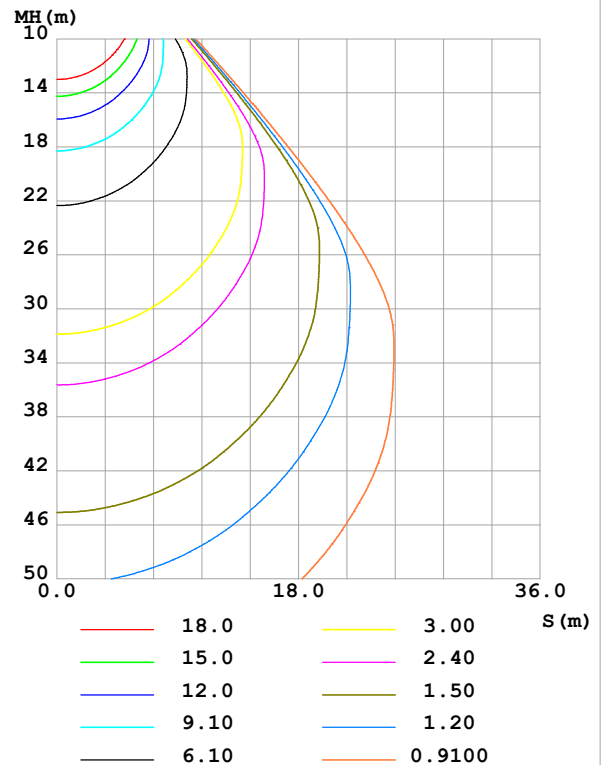
Test:U:229.57V I:0.128A P:28.4W PF:0.966 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-80D-3090-silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 151.21 lm/W
MODEL	JF DC2835	I _{max} (cd)	3050	S/MH(C0/180)	1.16	
NOMINAL POWER(W)	30	LOR(%)	88.3	S/MH(C90/270)	1.13	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4289.5	η UP,DN(C0-180)	0.0,42.6	
NOMINAL FLUX(lm)	4859.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,45.6	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	230	η down (%)	88.3	CIBSE SHR MAX	1.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25℃
Operators:LI
Test Date:2025-06-06

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
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	2968	2947	2923	2925	2947	2964	2975	2979	0- 10	286.2	286.2	6.67, 5.89
20	2745	2706	2632	2673	2703	2732	2717	2759	10- 20	802.0	1088	25.4, 22.4
30	2404	2373	2170	2336	2353	2410	2319	2441	20- 30	1174	2263	52.8, 46.6
40	1725	1721	1032	1643	1467	1838	1401	1914	30- 40	1290	3552	82.8, 73.1
50	24.15	243.7	28.53	154.3	15.52	378.3	154.7	467.4	40- 50	687.7	4240	98.8, 87.3
60	2.300	2.206	1.865	1.582	1.874	3.150	2.740	4.888	50- 60	47.18	4287	99.9, 88.2
70	0.9725	0.7334	0.6702	0.6451	0.7580	0.8528	1.062	0.9700	60- 70	1.389	4289	100, 88.3
80	0.4316	0.3485	0.2806	0.3121	0.3738	0.4264	0.4682	0.4551	70- 80	0.6019	4289	100, 88.3
90	0.2338	0.3354	0.2704	0.3927	0.2754	0.3536	0.2756	0.3095	80- 90	0.3492	4289	100, 88.3
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): 4092.7 lm

%lum = 95.4%

%lamp = 84.2%

Conical surface Flux(130deg): 4288.1 lm

%lum = 100.0%

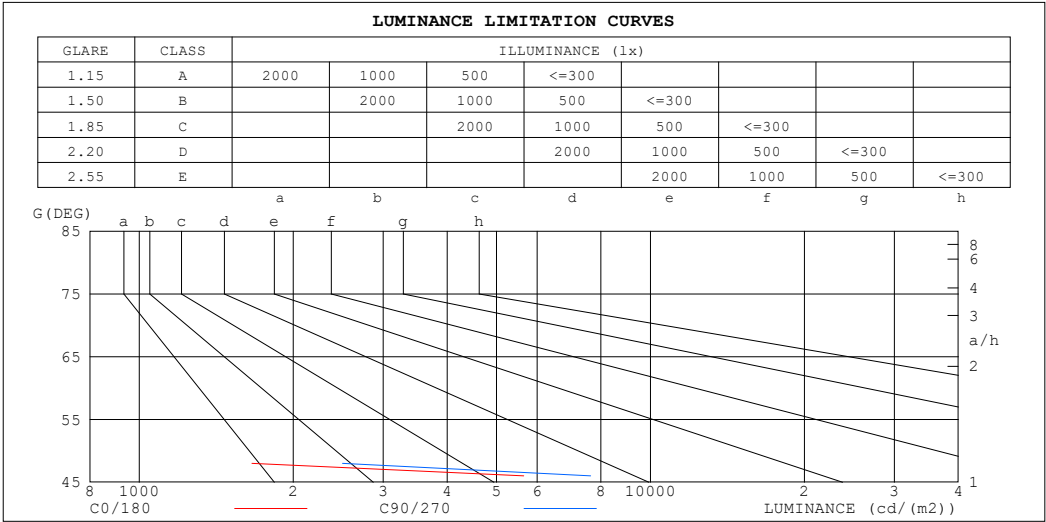
%lamp = 88.2%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25℃
 Operators: LI
 Test Date: 2025-06-06

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
 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:229.57V I:0.128A P:28.4W PF:0.966 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-80D-3090-silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	54	40
80	37	24
75	40	26
70	42	29
65	56	44
60	68	55
55	225	168
50	557	658
45	14852	12662

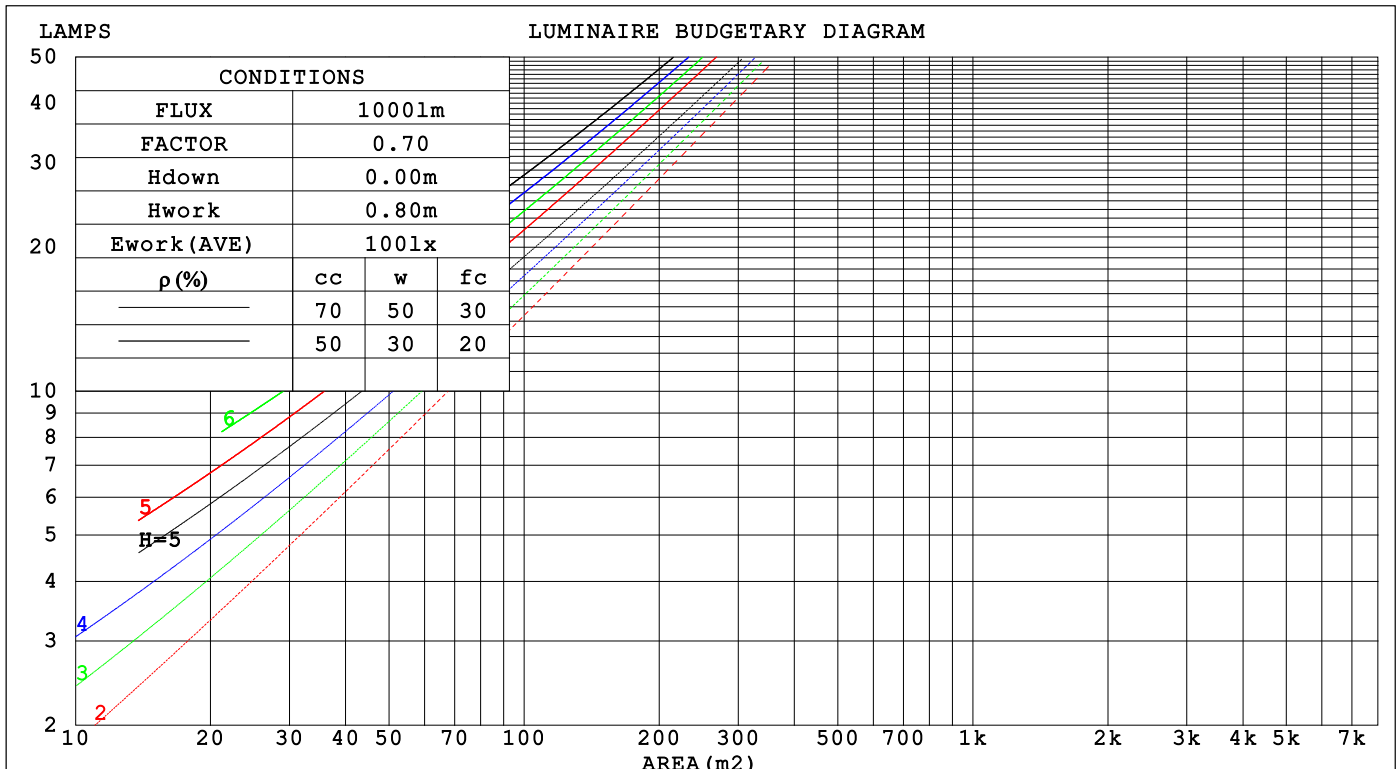
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25℃
Operators:LI
Test Date:2025-06-06

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
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:229.57V I:0.128A P:28.4W PF:0.966 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-80D-3090-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	1.05	1.05	1.05	1.03	1.03	1.03	.98	.98	.98	.94	.94	.94	.90	.90	.90	.88
1.0	.97	.95	.92	.95	.93	.91	.91	.90	.88	.88	.87	.86	.85	.84	.83	.81
2.0	.89	.85	.82	.88	.84	.81	.85	.82	.79	.82	.80	.78	.80	.78	.76	.74
3.0	.82	.77	.73	.81	.76	.73	.79	.75	.72	.76	.73	.70	.74	.72	.69	.68
4.0	.76	.70	.66	.75	.70	.66	.73	.68	.65	.71	.67	.64	.69	.66	.63	.62
5.0	.70	.64	.60	.69	.64	.60	.67	.63	.59	.66	.62	.59	.64	.61	.58	.57
6.0	.65	.59	.54	.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	.52	.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	.51	.46	.42	.51	.45	.42	.50	.45	.42	.49	.45	.42	.40
10.0	.48	.43	.39	.48	.43	.39	.47	.42	.39	.47	.42	.39	.46	.42	.38	.37



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25℃
Operators:LI
Test Date:2025-06-06

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
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:229.57V I:0.128A P:28.4W PF:0.966 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-80D-3090-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	.172	.098	.031	.166	.094	.030	.154	.089	.028	.144	.083	.027	.135	.078	.025															
2.0	.167	.091	.028	.162	.089	.027	.152	.085	.026	.144	.081	.025	.135	.077	.024															
3.0	.161	.085	.026	.156	.084	.025	.148	.080	.024	.140	.077	.024	.133	.074	.023															
4.0	.154	.080	.024	.150	.079	.023	.143	.076	.023	.136	.073	.022	.130	.071	.022															
5.0	.147	.075	.022	.144	.074	.022	.138	.072	.021	.132	.070	.021	.126	.067	.020															
6.0	.141	.071	.020	.138	.070	.020	.132	.068	.020	.127	.066	.019	.122	.064	.019															
7.0	.135	.067	.019	.132	.066	.019	.127	.064	.018	.122	.063	.018	.118	.061	.018															
8.0	.129	.063	.018	.126	.062	.018	.122	.061	.017	.118	.060	.017	.114	.058	.017															
9.0	.123	.060	.017	.121	.059	.017	.117	.058	.016	.113	.057	.016	.110	.056	.016															
10.0	.118	.057	.016	.116	.056	.016	.113	.055	.016	.109	.054	.015	.106	.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	.168	.168	.168	.144	.144	.144	.098	.098	.098	.056	.056	.056	.018	.018	.018	
1.0	.152	.139	.127	.130	.119	.109	.089	.082	.075	.051	.047	.044	.016	.015	.014	
2.0	.140	.117	.097	.120	.101	.084	.082	.070	.059	.047	.040	.034	.015	.013	.011	
3.0	.130	.100	.077	.112	.087	.066	.077	.060	.047	.044	.035	.027	.014	.011	.009	
4.0	.122	.088	.061	.105	.076	.053	.072	.053	.038	.042	.031	.022	.013	.010	.007	
5.0	.115	.078	.050	.099	.067	.043	.068	.047	.031	.040	.028	.018	.013	.009	.006	
6.0	.109	.070	.041	.094	.060	.036	.065	.042	.026	.038	.025	.015	.012	.008	.005	
7.0	.104	.063	.035	.090	.055	.030	.062	.039	.022	.036	.023	.013	.012	.007	.004	
8.0	.099	.058	.030	.086	.050	.026	.059	.035	.018	.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	.043	.020	.054	.031	.014	.032	.018	.008	.010	.006	.003	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25℃
 Operators:LI
 Test Date:2025-06-06

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
 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:229.57V I:0.128A P:28.4W PF:0.966 Freq:49.99Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm										
NAME: T1276-80D-3090-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	19.5	20.6	19.8	20.8	21.0	18.3	19.4	18.5	19.5	19.7
3H	19.4	20.4	19.6	20.6	20.8	18.1	19.1	18.4	19.3	19.5
4H	19.3	20.2	19.6	20.4	20.7	18.0	18.9	18.3	19.2	19.4
6H	19.2	20.1	19.5	20.3	20.6	17.9	18.8	18.2	19.0	19.3
8H	19.1	20.0	19.4	20.2	20.5	17.9	18.7	18.2	19.0	19.2
12H	19.1	19.9	19.4	20.2	20.4	17.8	18.6	18.1	18.9	19.2
4H 2H	19.3	20.2	19.6	20.4	20.7	18.0	18.9	18.3	19.2	19.4
3H	19.1	19.9	19.4	20.2	20.4	17.8	18.6	18.1	18.9	19.2
4H	19.0	19.7	19.3	20.0	20.3	17.7	18.4	18.1	18.7	19.1
6H	18.9	19.5	19.3	19.9	20.2	17.6	18.3	18.0	18.6	18.9
8H	18.9	19.4	19.2	19.8	20.2	17.6	18.2	18.0	18.5	18.9
12H	18.8	19.3	19.2	19.7	20.1	17.5	18.1	17.9	18.4	18.8
8H 4H	18.9	19.4	19.2	19.8	20.2	17.6	18.2	18.0	18.5	18.9
6H	18.8	19.2	19.2	19.6	20.0	17.5	18.0	17.9	18.4	18.8
8H	18.7	19.1	19.2	19.5	20.0	17.4	17.9	17.9	18.3	18.7
12H	18.7	19.0	19.1	19.5	19.9	17.4	17.7	17.9	18.2	18.7
12H 4H	18.8	19.3	19.2	19.7	20.1	17.5	18.1	17.9	18.4	18.8
6H	18.7	19.1	19.2	19.5	20.0	17.4	17.8	17.9	18.3	18.7
8H	18.7	19.0	19.1	19.5	19.9	17.4	17.7	17.9	18.2	18.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.4 / -33.4					+ 2.9 / -32.8				
1.5H	+ 4.3 / -26.8					+ 4.2 / -24.6				
2.0H	+ 8.6 / -26.9					+ 7.6 / -27.8				

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: 30.0DEG
 Test Speed: HIGH
 Temperature:25℃
 Operators:LI
 Test Date:2025-06-06

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
 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:229.57V I:0.128A P:28.4W PF:0.966 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-80D-3090-silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		

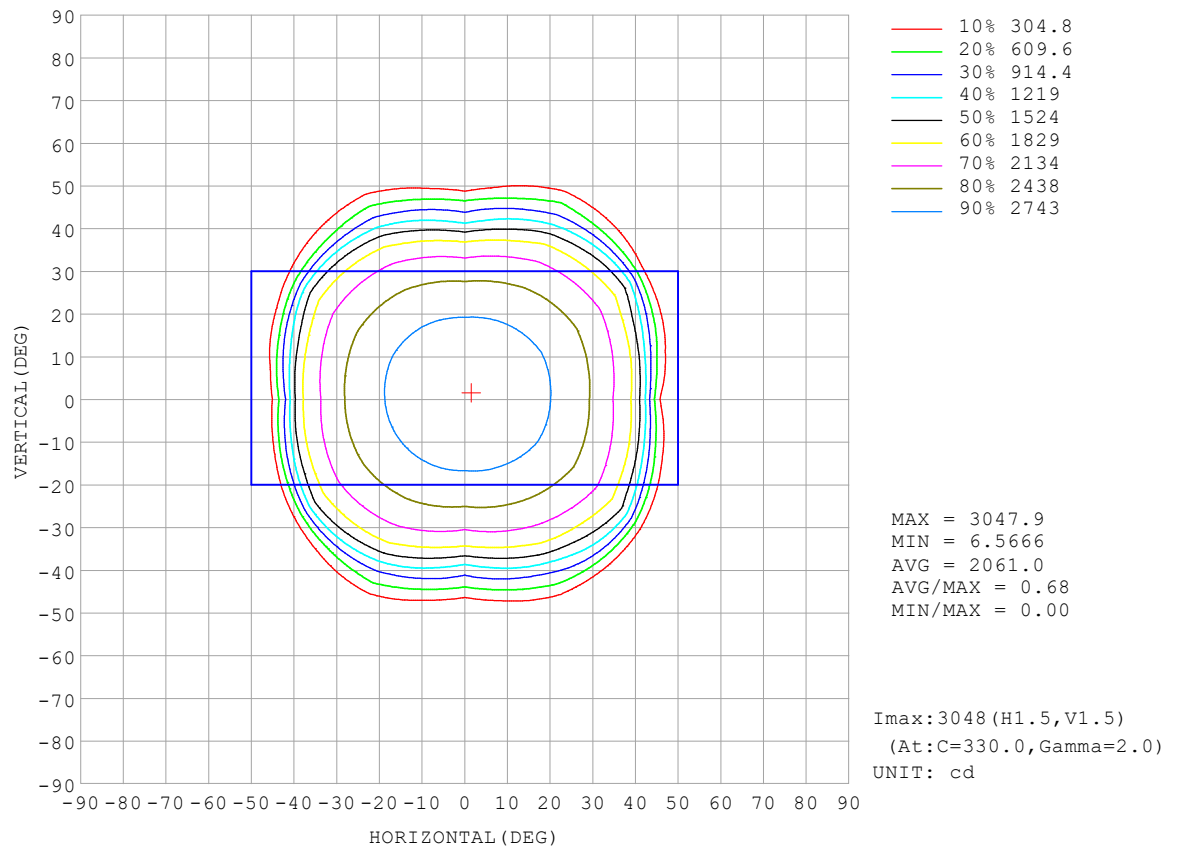
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	65	61	71	64	60	70	64	60	57
0.80	79	73	69	78	72	69	77	72	68	64
1.00	84	78	75	83	78	74	82	78	74	70
1.25	88	83	80	88	83	79	86	82	79	75
1.50	91	87	83	90	86	83	88	85	82	77
2.00	94	90	87	93	89	86	91	88	85	80
2.50	96	92	89	95	91	89	92	89	87	81
3.00	98	94	92	96	93	91	93	91	89	83
4.00	100	97	95	98	95	93	94	93	91	84
5.00	101	98	96	99	97	95	95	94	92	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25°C
 Operators: LI
 Test Date: 2025-06-06

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
 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:229.57V I:0.128A P:28.4W PF:0.966 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-80D-3090-silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		

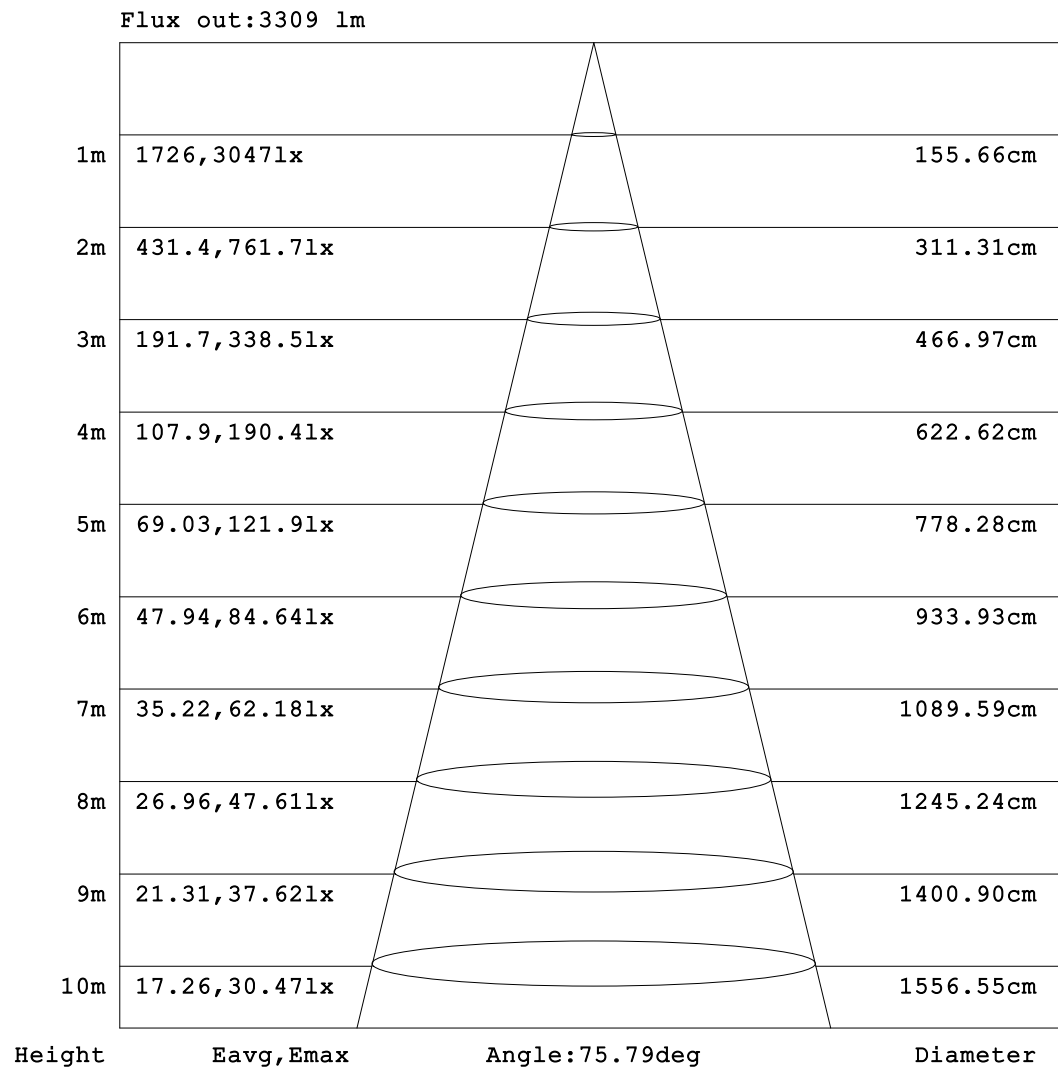


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25℃
Operators:LI
Test Date:2025-06-06

γ Range: 0 - 90DEG
γ Interval: 2.0DEG
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:229.57V I:0.128A P:28.4W PF:0.966 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-80D-3090-silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		



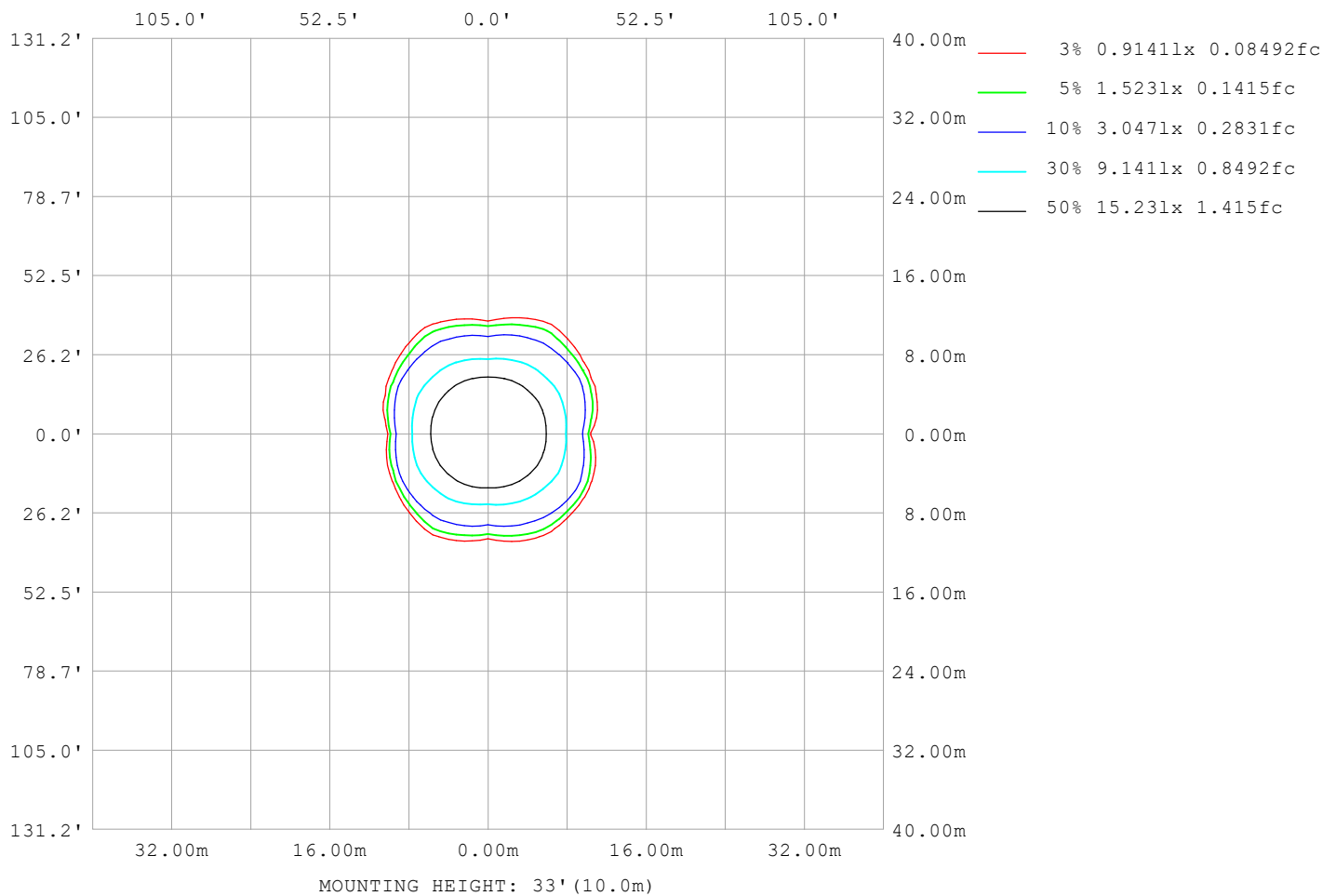
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25°C
 Operators: LI
 Test Date: 2025-06-06

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
 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:229.57V I:0.128A P:28.4W PF:0.966 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-80D-3090-silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25°C
 Operators: LI
 Test Date: 2025-06-06

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
 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:229.57V I:0.128A P:28.4W PF:0.966 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:4859.5x1 lm		
NAME: T1276-80D-3090-silver		
SPEC.: KGP SC34W650-800CG-34W/800mA		
MFR.: SOTEN		

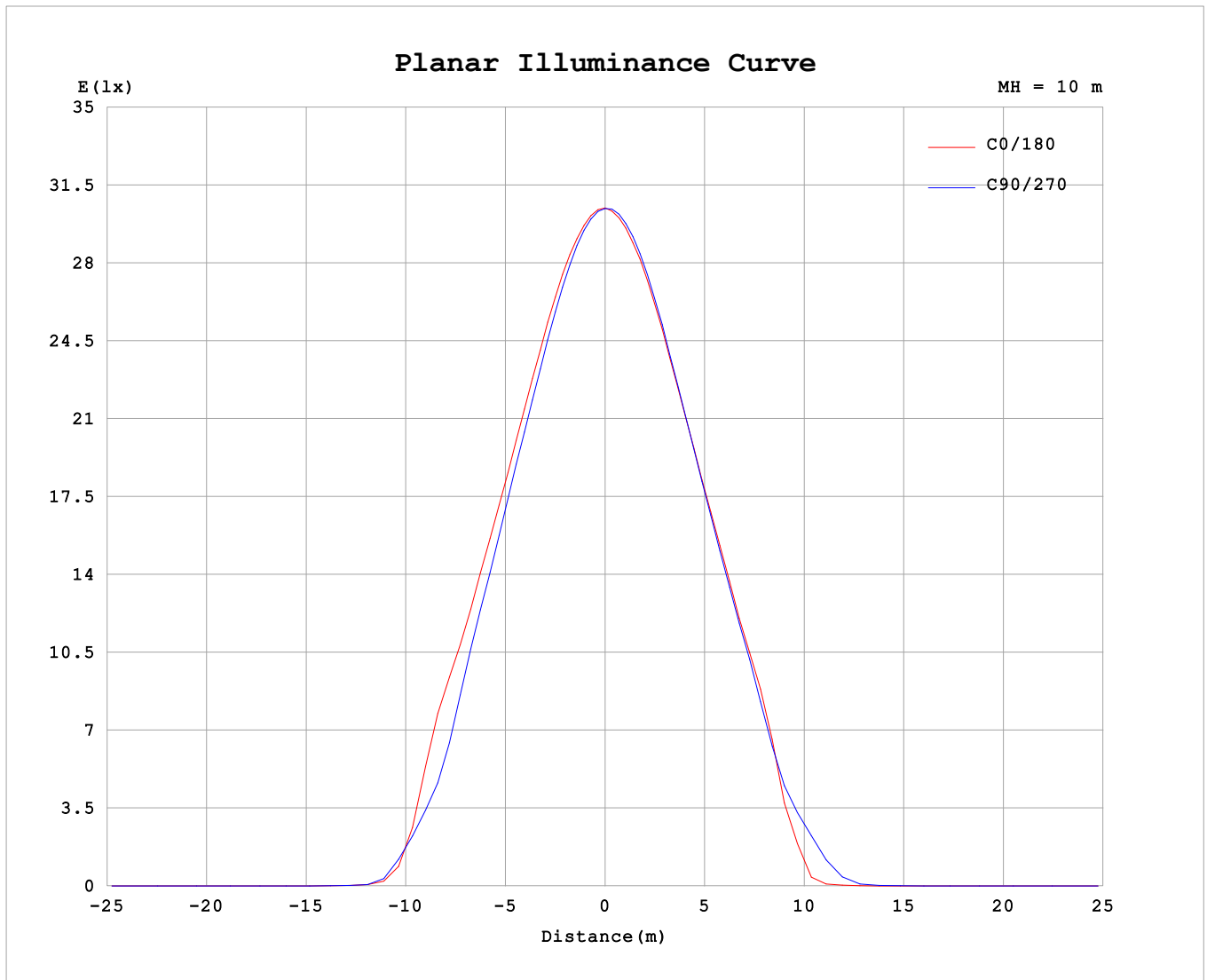
AvgL	cd/m2
L_0~180 (65) av	46
L_0~180 (75) av	33
L_0~180 (85) av	49
L_90~270 (65) av	49
L_90~270 (75) av	31
L_90~270 (85) av	49
L_45 (65) av	42
L_45 (75) av	31
L_45 (85) av	53

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25℃
 Operators:LI
 Test Date:2025-06-06

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
 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: 30.0DEG
Test Speed: HIGH
Temperature: 25°C
Operators: LI
Test Date: 2025-06-06

γ Range: 0 - 90DEG
 γ Interval: 2.0DEG
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: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.485
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

```