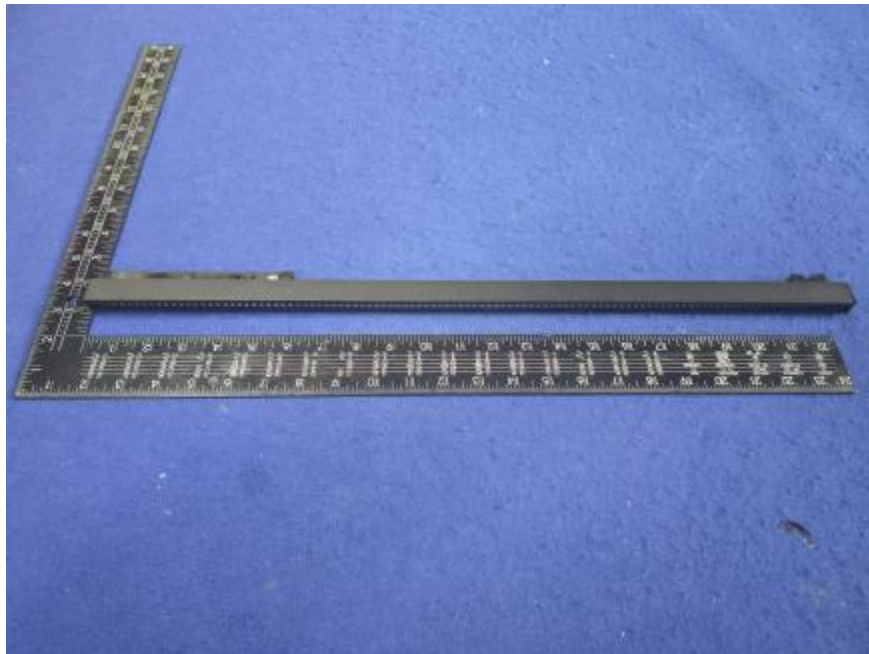


### Luminaire Photograph



Light Output Ratio:	15.4%	
Luminaire Power:	10.99 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.95	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC: PL-0101B+PM-0144B+PS-0156  
NOT DRIVER: 48V  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

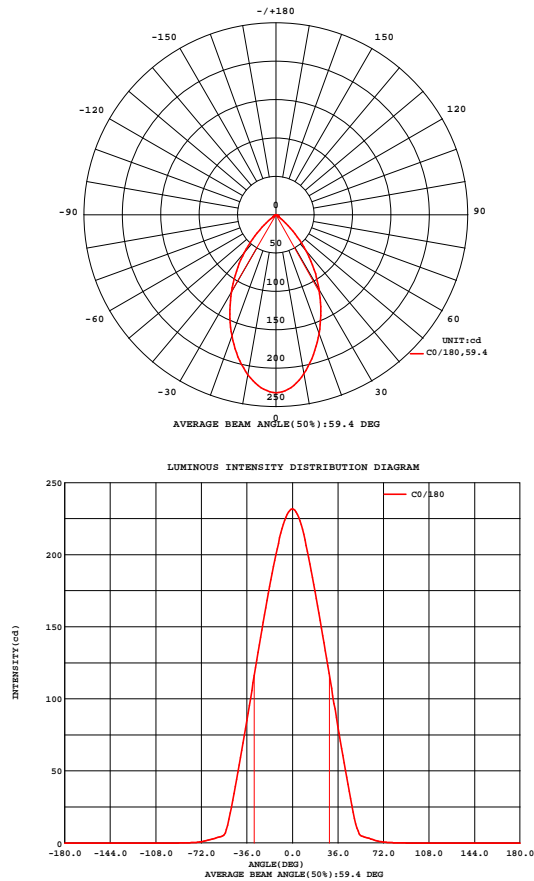


Fig. C0/C180

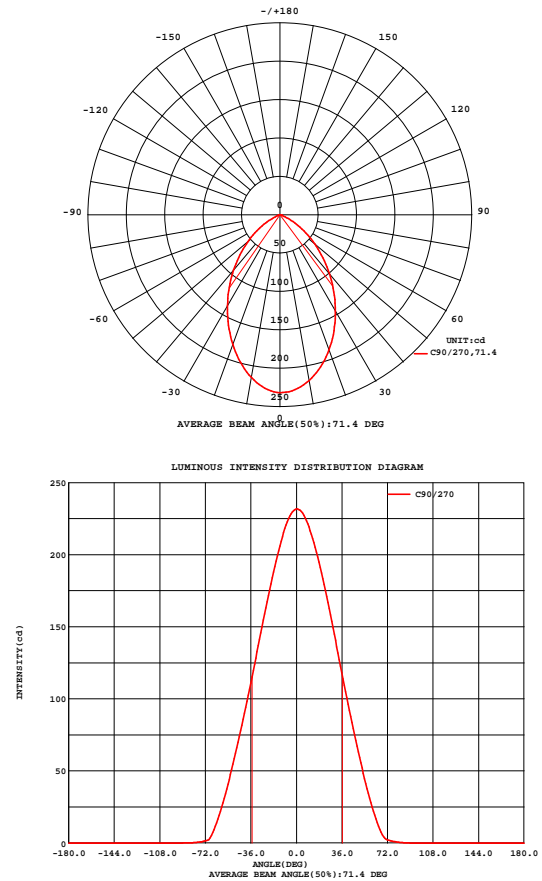


Fig. C90/C270

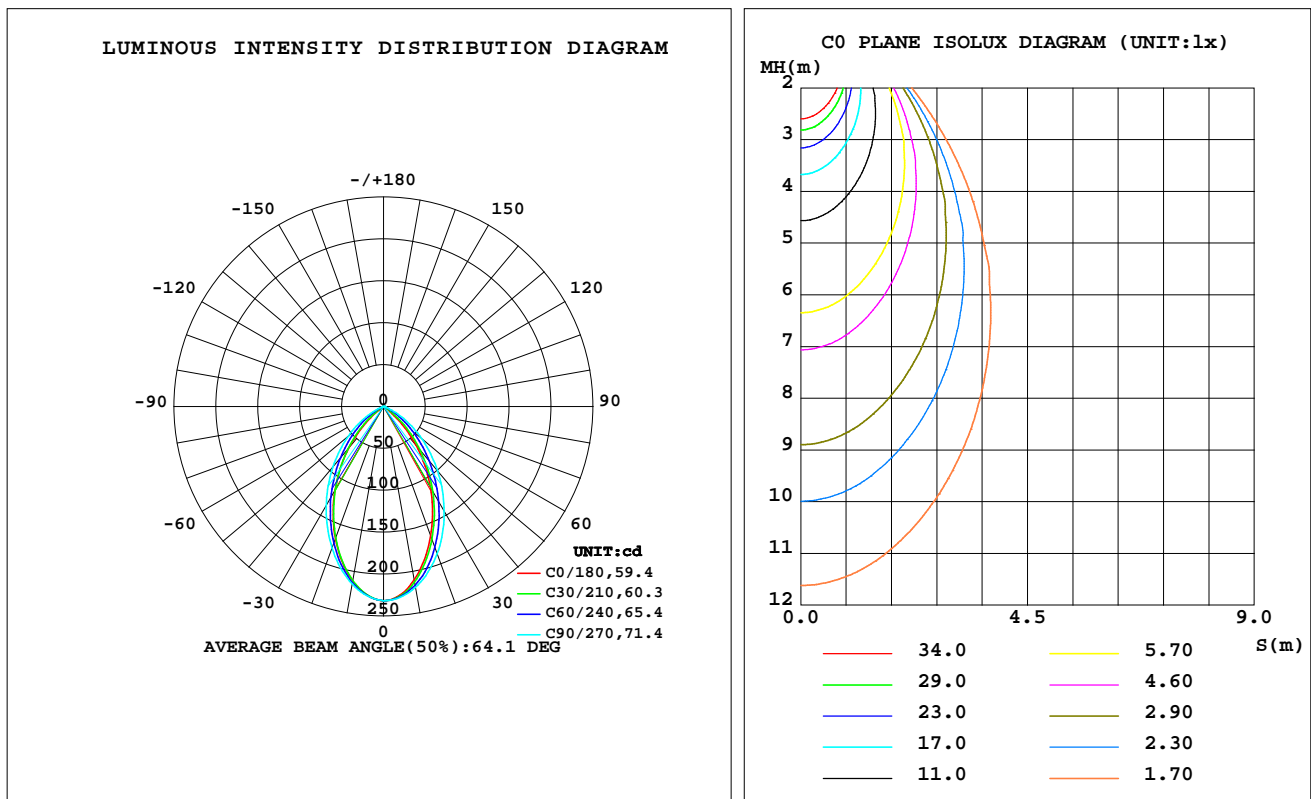
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC:PL-0101B+PM-0144B+PS-0156  
NOT DRIVER:48V  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:47.997V I:0.2289A P:10.986W PF:1.0000 Freq:0Hz Lamp Flux:1762.4x1 lm		
NAME: OZ48-P2L-6	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2501210023
MFR.: RISE	SUR.: 0.009408m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 24.69 lm/W			
MODEL	HONGLI	I <sub>max</sub> (cd)	231.7	S/MH(C0/180)	0.87
NOMINAL POWER(W)	11	LOR(%)	15.4	S/MH(C90/270)	0.95
RATED VOLTAGE(V)	48	TOTAL FLUX(lm)	271.23	UP,DN(C0-180)	0.0,7.8
NOMINAL FLUX(lm)	1762.4	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,7.5
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	48	down(%)	15.4	CIBSE SHR MAX	0.95



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC:PL-0101B+PM-0144B+PS-0156  
NOT DRIVER:48V  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	210.3	214.9	219.2	214.5	211.7	212.4	215.3	212.2	0- 10	21.23	21.23	7.83,1.2
20	164.5	174.0	187.2	174.2	168.1	170.3	179.8	168.9	10- 20	54.49	75.72	27.9,4.3
30	112.5	124.9	144.9	125.2	116.3	120.7	137.0	118.8	20- 30	68.16	143.9	53,8.16
40	60.62	76.81	100.6	76.83	64.21	73.10	94.06	71.08	30- 40	62.17	206.0	76,11.7
50	13.18	35.18	59.48	34.85	16.52	32.49	54.79	30.44	40- 50	41.77	247.8	91.4,14.1
60	3.386	9.340	25.09	8.967	3.556	8.166	21.93	7.414	50- 60	17.81	265.6	97.9,15.1
70	0.8917	1.298	3.279	1.317	1.171	1.058	1.927	0.9830	60- 70	4.792	270.4	99.7,15.3
80	0.2200	0.3064	0.6533	0.2414	0.2372	0.1787	0.3131	0.1907	70- 80	0.6893	271.1	100,15.4
90	0	0	0	0	0	0	0	0	80- 90	0.1259	271.2	100,15.4
100	0	0	0	0	0	0	0	0	90-100	0	271.2	100,15.4
110	0	0	0	0	0	0	0	0	100-110	0	271.2	100,15.4
120	0	0	0	0	0	0	0	0	110-120	0	271.2	100,15.4
130	0	0	0	0	0	0	0	0	120-130	0	271.2	100,15.4
140	0	0	0	0	0	0	0	0	130-140	0	271.2	100,15.4
150	0	0	0	0	0	0	0	0	140-150	0	271.2	100,15.4
160	0	0	0	0	0	0	0	0	150-160	0	271.2	100,15.4
170	0	0	0	0	0	0	0	0	160-170	0	271.2	100,15.4
180	0	0	0	0	0	0	0	0	170-180	0	271.2	100,15.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC:PL-0101B+PM-0144B+PS-0156  
NOT DRIVER:48V  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:47.997V I:0.2289A P:10.986W PF:1.0000 Freq:0Hz  
Lamp Flux:1762.4x1 lm

NAME: OZ48-P2L-6

TYPE:

WEIGHT:

SPEC.: 3000K

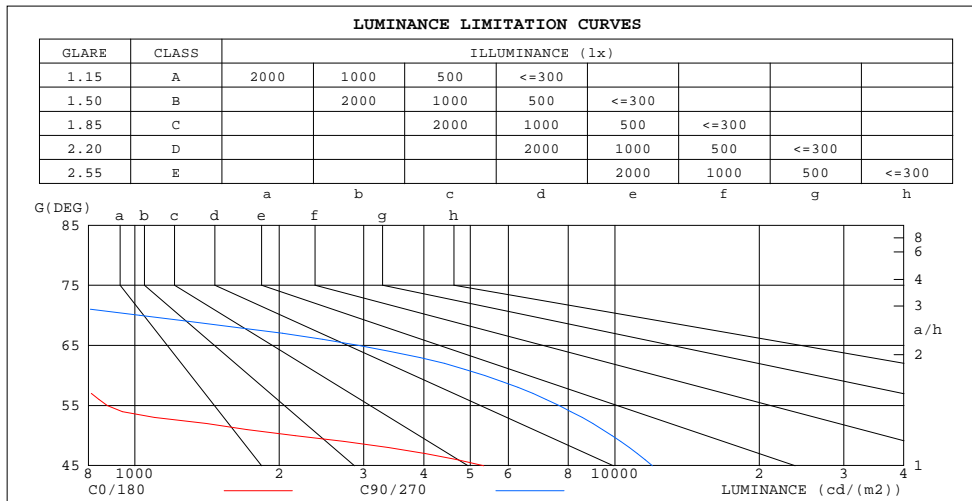
DIM.:

SERIAL No.: 2501210023

MFR.: RISE

SUR.: 0.009408m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	105	193
80	133	401
75	177	583
70	275	1023
65	490	2927
60	713	5354
55	877	7664
50	2159	9875
45	5335	11979

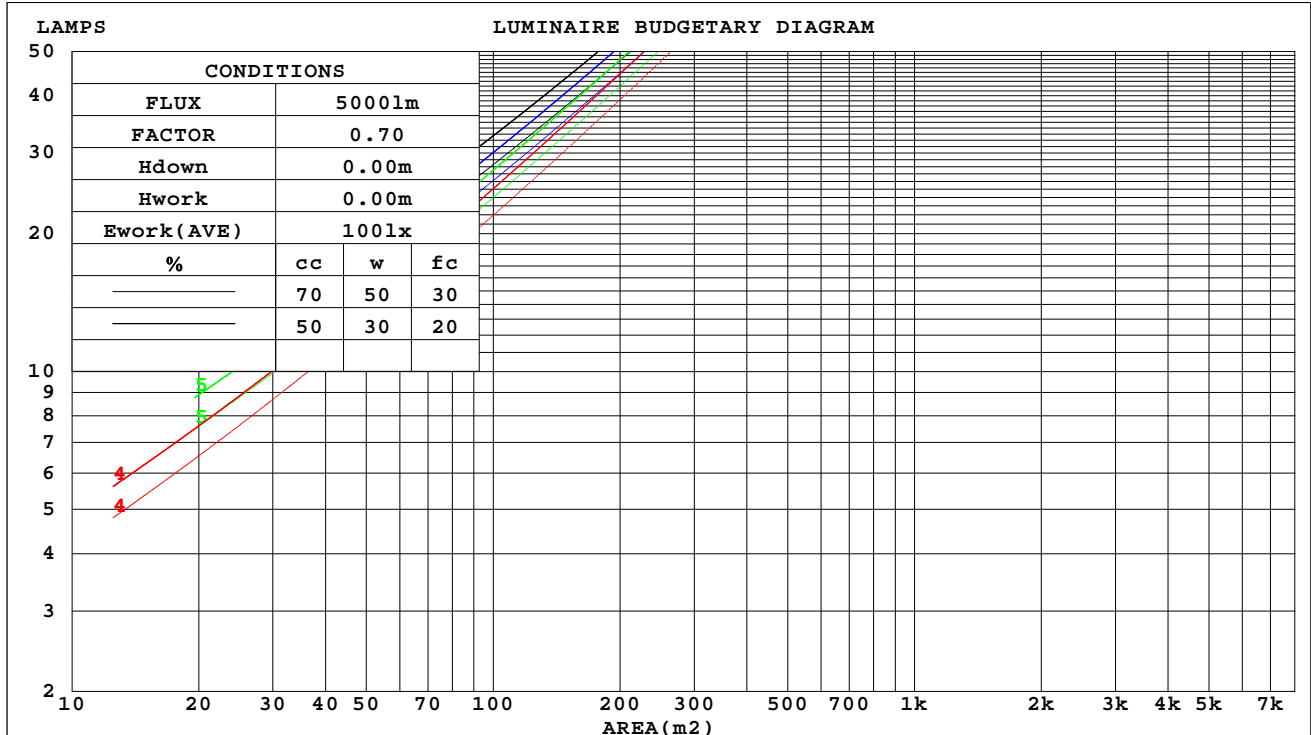
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC:PL-0101B+PM-0144B+PS-0156  
NOT DRIVER:48V  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:47.997V I:0.2289A P:10.986W PF:1.0000 Freq:0Hz Lamp Flux:1762.4x1 lm		
NAME: OZ48-P2L-6	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2501210023
MFR.: RISE	SUR.: 0.009408m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	.18	.18	.18	.18	.18	.18	.17	.17	.17	.16	.16	.16	.16	.16	.16	.15
1.0	.17	.16	.16	.17	.16	.16	.16	.16	.15	.15	.15	.15	.15	.15	.14	.14
2.0	.15	.15	.14	.15	.14	.14	.15	.14	.14	.14	.14	.13	.14	.13	.13	.13
3.0	.14	.13	.13	.14	.13	.12	.13	.13	.12	.13	.13	.12	.13	.12	.12	.12
4.0	.13	.12	.11	.13	.12	.11	.12	.12	.11	.12	.11	.11	.12	.11	.11	.10
5.0	.12	.11	.10	.12	.11	.10	.12	.11	.10	.11	.10	.10	.11	.10	.10	.10
6.0	.11	.10	.09	.11	.10	.09	.11	.10	.09	.10	.10	.09	.10	.10	.09	.09
7.0	.10	.09	.08	.10	.09	.08	.10	.09	.08	.10	.09	.08	.10	.09	.08	.08
8.0	.10	.08	.08	.09	.08	.08	.09	.08	.08	.09	.08	.08	.09	.08	.08	.07
9.0	.09	.08	.07	.09	.08	.07	.09	.08	.07	.09	.08	.07	.08	.08	.07	.07
10.0	.08	.07	.07	.08	.07	.07	.08	.07	.07	.08	.07	.07	.08	.07	.07	.06



### WEC AND CCEC

Test:U:47.997V I:0.2289A P:10.986W PF:1.0000 Freq:0Hz Lamp Flux:1762.4x1 lm		
NAME: OZ48-P2L-6	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2501210023
MFR.: RISE	SUR.: 0.009408m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0	
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
fc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.031	.018	.006	.030	.017	.005	.028	.016	.005	.027	.015	.005	.025	.014	.005		
2.0	.031	.017	.005	.030	.016	.005	.028	.016	.005	.026	.015	.005	.025	.014	.004		
3.0	.029	.016	.005	.029	.015	.005	.027	.015	.004	.026	.014	.004	.024	.014	.004		
4.0	.028	.015	.004	.027	.014	.004	.026	.014	.004	.025	.013	.004	.024	.013	.004		
5.0	.027	.014	.004	.026	.013	.004	.025	.013	.004	.024	.013	.004	.023	.012	.004		
6.0	.025	.013	.004	.025	.012	.004	.024	.012	.004	.023	.012	.003	.022	.012	.003		
7.0	.024	.012	.003	.024	.012	.003	.023	.011	.003	.022	.011	.003	.021	.011	.003		
8.0	.023	.011	.003	.022	.011	.003	.022	.011	.003	.021	.011	.003	.020	.010	.003		
9.0	.022	.011	.003	.021	.010	.003	.021	.010	.003	.020	.010	.003	.019	.010	.003		
10.0	.021	.010	.003	.020	.010	.003	.020	.010	.003	.019	.010	.003	.019	.009	.003		

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.029	.029	.029	.025	.025	.025	.017	.017	.017	.010	.010	.010	.003	.003	.003	
1.0	.027	.024	.022	.023	.021	.019	.016	.014	.013	.009	.008	.008	.003	.003	.002	
2.0	.025	.020	.017	.021	.018	.015	.014	.012	.010	.008	.007	.006	.003	.002	.002	
3.0	.023	.018	.013	.020	.015	.011	.014	.010	.008	.008	.006	.005	.003	.002	.002	
4.0	.022	.015	.011	.019	.013	.009	.013	.009	.006	.007	.005	.004	.002	.002	.001	
5.0	.020	.014	.009	.017	.012	.007	.012	.008	.005	.007	.005	.003	.002	.002	.001	
6.0	.019	.012	.007	.017	.011	.006	.011	.007	.004	.007	.004	.003	.002	.001	.001	
7.0	.018	.011	.006	.016	.010	.005	.011	.007	.004	.006	.004	.002	.002	.001	.001	
8.0	.017	.010	.005	.015	.009	.004	.010	.006	.003	.006	.004	.002	.002	.001	.001	
9.0	.017	.009	.004	.014	.008	.004	.010	.006	.003	.006	.003	.002	.002	.001	.001	
10.0	.016	.009	.004	.014	.008	.003	.010	.005	.002	.006	.003	.001	.002	.001	.000	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC:PL-0101B+PM-0144B+PS-0156  
NOT DRIVER:48V  
30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:47.997V I:0.2289A P:10.986W PF:1.0000 Freq:0Hz Lamp Flux:1762.4x1 lm										
NAME: OZ48-P2L-6					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2501210023		
MFR.: RISE					SUR.: 0.009408m2			Shielding Angle:		
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	12.5	13.7	12.8	13.8	14.0	16.6	17.7	16.8	17.9	18.1
3H	12.4	13.4	12.7	13.6	13.8	16.5	17.6	16.8	17.8	18.0
4H	12.3	13.3	12.6	13.5	13.7	16.5	17.4	16.7	17.7	17.9
6H	12.2	13.1	12.5	13.4	13.6	16.4	17.3	16.7	17.5	17.8
8H	12.2	13.0	12.5	13.3	13.6	16.3	17.2	16.6	17.5	17.7
12H	12.1	12.9	12.4	13.2	13.5	16.3	17.1	16.6	17.4	17.7
4H 2H	12.6	13.5	12.9	13.8	14.0	16.4	17.4	16.7	17.6	17.8
3H	12.4	13.3	12.7	13.5	13.8	16.3	17.2	16.7	17.4	17.7
4H	12.3	13.1	12.7	13.4	13.7	16.2	17.0	16.6	17.3	17.6
6H	12.2	12.9	12.6	13.2	13.6	16.2	16.8	16.5	17.2	17.5
8H	12.2	12.8	12.6	13.2	13.5	16.1	16.7	16.5	17.1	17.5
12H	12.2	12.7	12.6	13.1	13.5	16.1	16.6	16.5	17.0	17.4
8H 4H	12.2	12.8	12.6	13.2	13.5	16.1	16.7	16.5	17.1	17.4
6H	12.1	12.6	12.5	13.0	13.4	16.0	16.5	16.5	16.9	17.3
8H	12.1	12.5	12.5	12.9	13.4	16.0	16.4	16.4	16.8	17.3
12H	12.0	12.4	12.5	12.8	13.3	15.9	16.3	16.4	16.8	17.2
12H 4H	12.2	12.7	12.6	13.1	13.5	16.1	16.6	16.5	17.0	17.4
6H	12.1	12.5	12.5	12.9	13.4	16.0	16.4	16.4	16.8	17.3
8H	12.0	12.4	12.5	12.8	13.3	15.9	16.3	16.4	16.8	17.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.4 / - 9.0					+ 1.3 / - 1.8				
1.5H	+ 2.6 / - 6.3					+ 1.5 / - 2.1				
2.0H	+ 5.0 / - 8.0					+ 3.6 / - 6.2				

CIE Pub.117, 1762 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.0)  
Area: 0.009408 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC:PL-0101B+PM-0144B+PS-0156  
NOT DRIVER:48V  
30minutes warm-up

### UTILIZATION FACTORS TABLE

Test:U:47.997V I:0.2289A P:10.986W PF:1.0000 Freq:0Hz Lamp Flux:1762.4x1 lm		
NAME: OZ48-P2L-6	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2501210023
MFR.: RISE	SUR.: 0.009408m2	Shielding Angle:

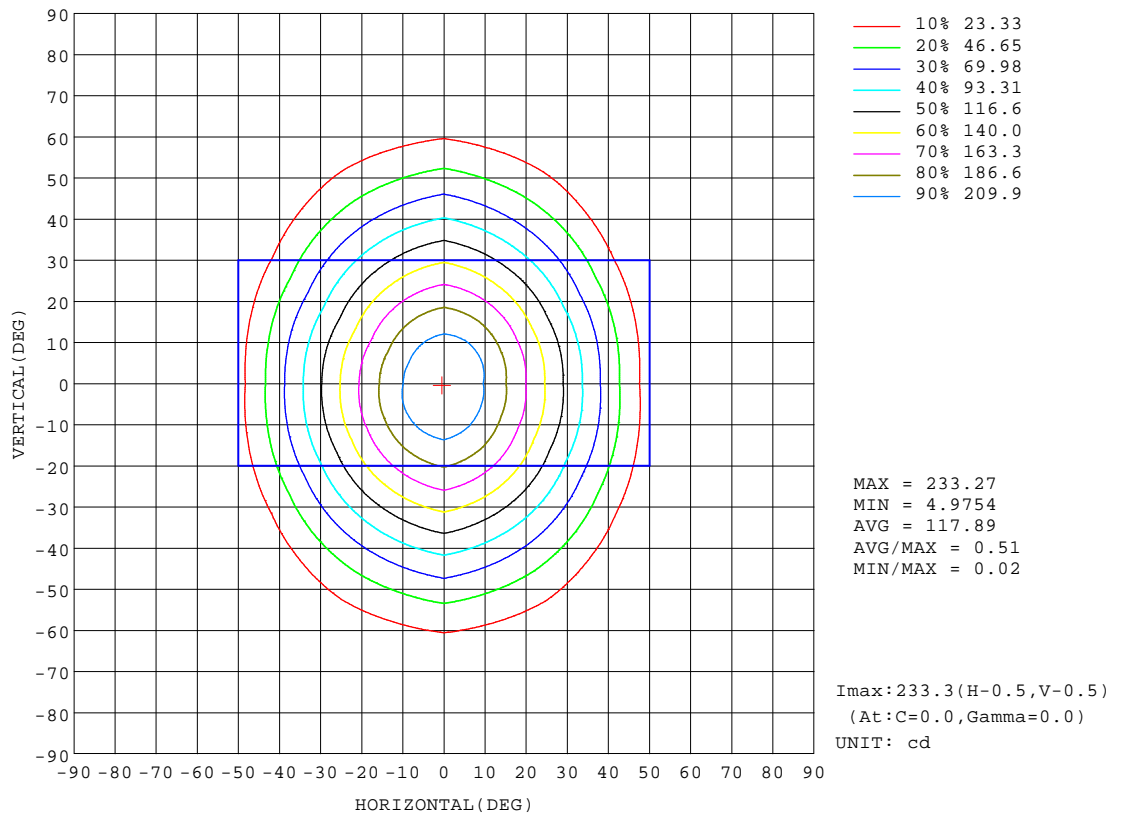
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	12	10	10	12	10	10	11	10	10	9
0.80	13	12	11	13	12	11	13	12	11	10
1.00	14	13	12	14	13	12	14	13	12	11
1.25	15	14	13	15	14	13	14	14	13	12
1.50	16	15	14	15	14	14	15	14	14	13
2.00	16	15	15	16	15	15	16	15	14	14
2.50	17	16	15	16	16	15	16	15	15	14
3.00	17	16	16	17	16	16	16	16	15	14
4.00	17	17	16	17	16	16	16	16	16	14
5.00	17	17	17	17	17	16	16	16	16	15
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:25.3℃  
Operators:zoe  
Test Date:2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC:PL-0101B+PM-0144B+PS-0156  
NOT DRIVER:48V  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:47.997V I:0.2289A P:10.986W PF:1.0000 Freq:0Hz Lamp Flux:1762.4x1 lm		
NAME: OZ48-P2L-6	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2501210023
MFR.: RISE	SUR.: 0.009408m2	Shielding Angle:

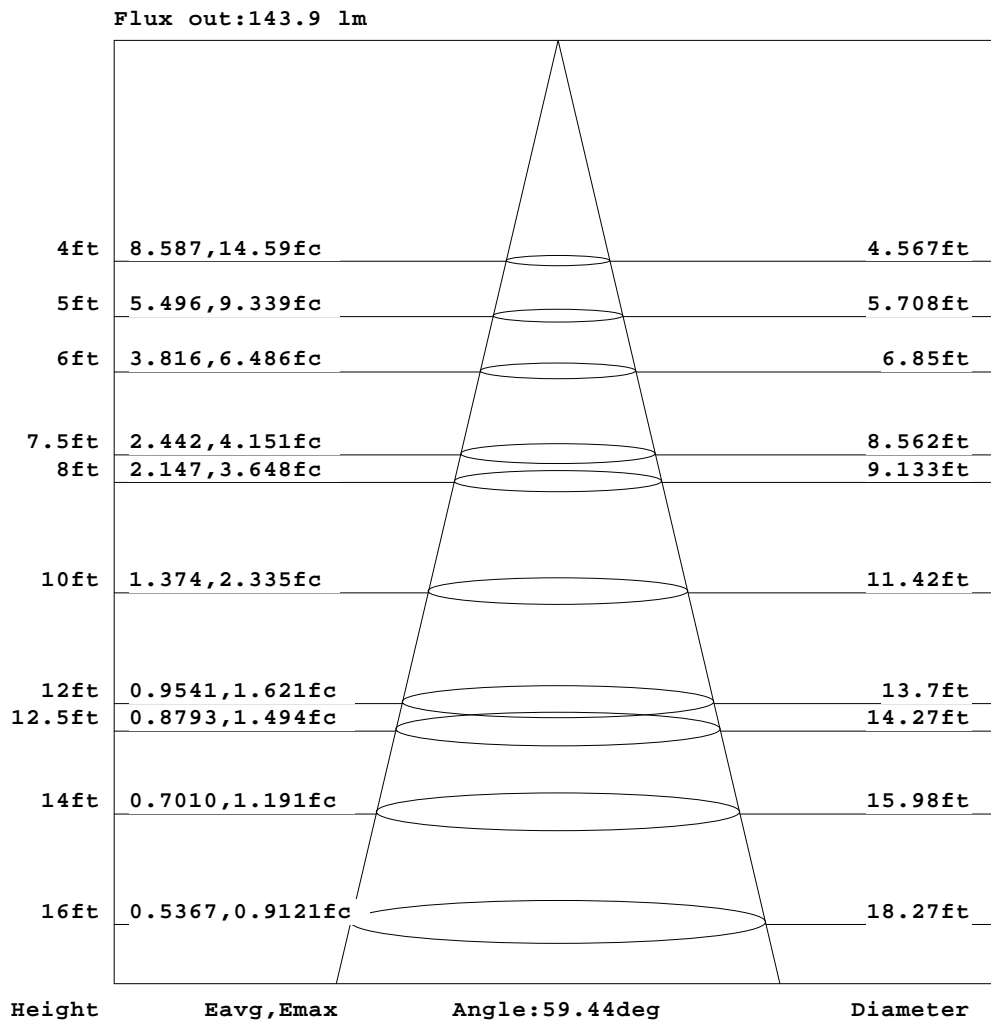


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC:PL-0101B+PM-0144B+PS-0156  
NOT DRIVER:48V  
30minutes warm-up

## AAI Figure

Test:U:47.997V I:0.2289A P:10.986W PF:1.0000 Freq:0Hz Lamp Flux:1762.4x1 lm		
NAME: OZ48-P2L-6	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2501210023
MFR.: RISE	SUR.: 0.009408m2	Shielding Angle:



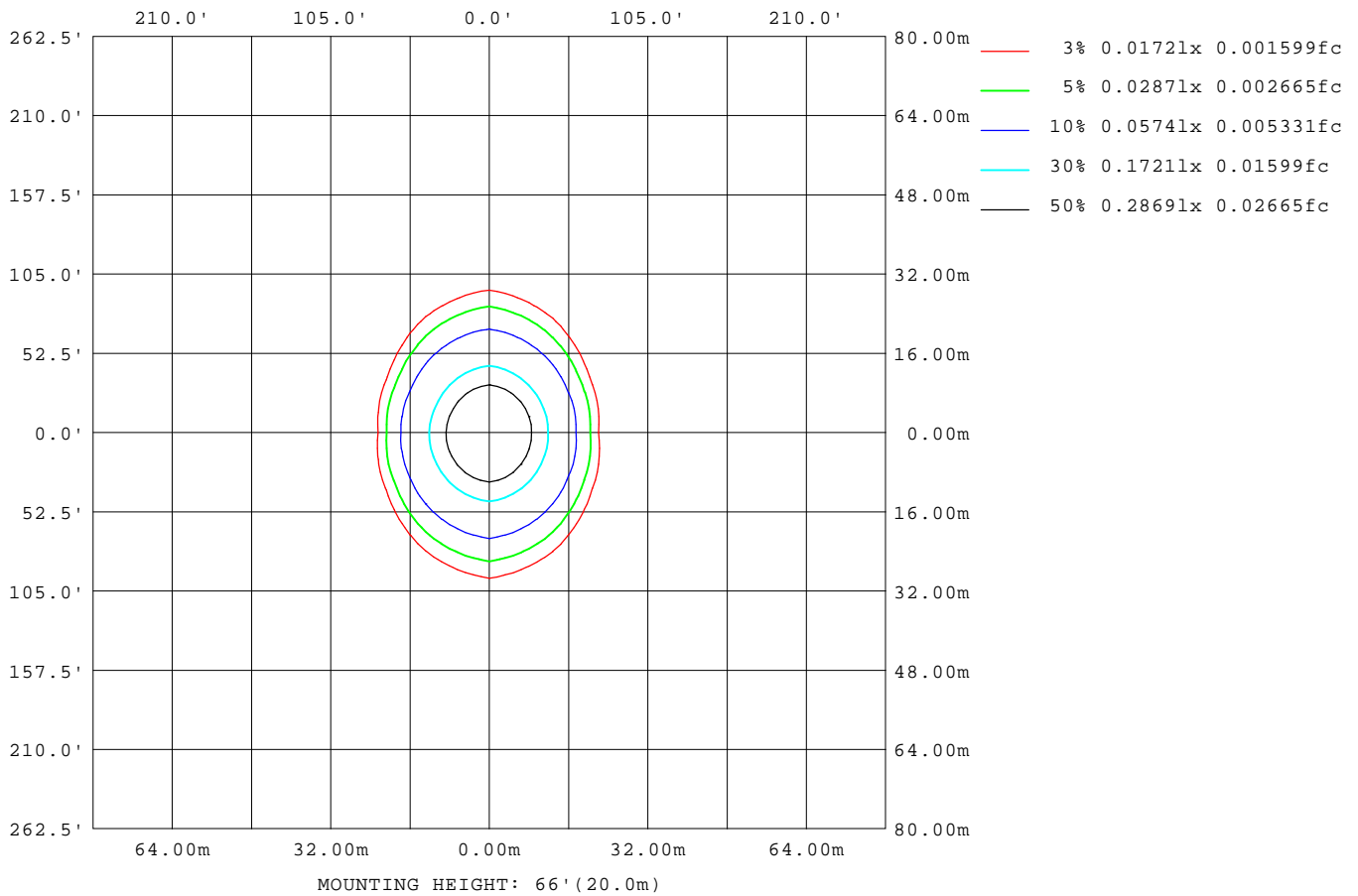
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC: PL-0101B+PM-0144B+PS-0156  
NOT DRIVER: 48V  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:47.997V I:0.2289A P:10.986W PF:1.0000 Freq:0Hz Lamp Flux:1762.4x1 lm		
NAME: OZ48-P2L-6	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2501210023
MFR.: RISE	SUR.: 0.009408m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC:PL-0101B+PM-0144B+PS-0156  
NOT DRIVER:48V  
30minutes warm-up

## LED Avg.L Report

Test:U:47.997V I:0.2289A P:10.986W PF:1.0000 Freq:0Hz Lamp Flux:1762.4x1 lm		
NAME: OZ48-P2L-6	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2501210023
MFR.: RISE	SUR.: 0.009408m2	Shielding Angle:

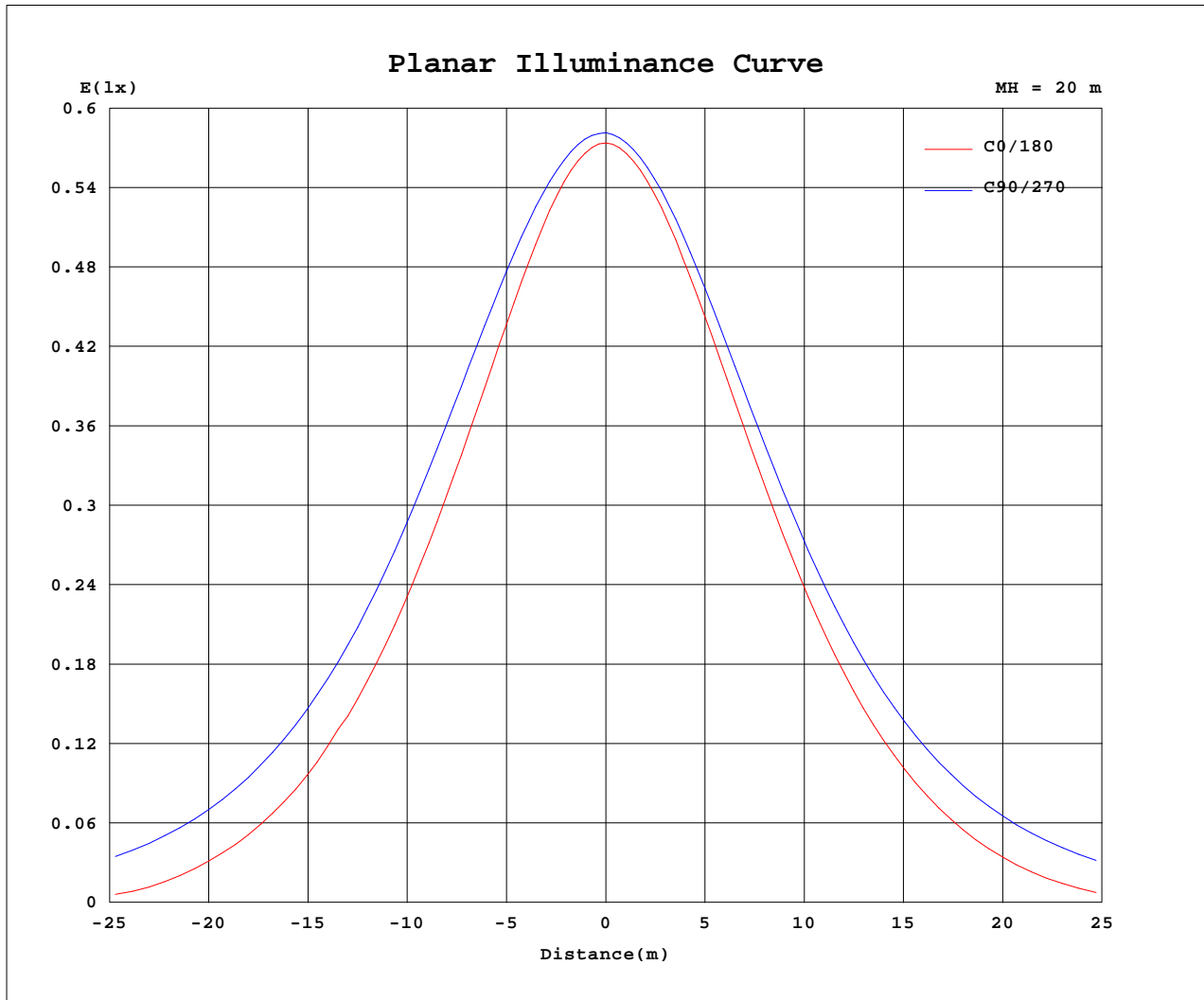
AvgL	cd/m2
L_0~180(65)av	530
L_0~180(75)av	190
L_0~180(85)av	113
L_90~270(65)av	2625
L_90~270(75)av	469
L_90~270(85)av	146
L_45(65)av	795
L_45(75)av	175
L_45(85)av	118

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-1-21

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
PC:PL-0101B+PM-0144B+PS-0156  
NOT DRIVER:48V  
30minutes warm-up

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: zoe  
 Test Date: 2025-1-21

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
 Humidity: 65.0%  
 Test Distance: 3.160m [K=1.0000]  
 Remarks: LAMP: HL-A-2835D90W-2-S1-08L-HR5 Ra:90  
 PC: PL-0101B+PM-0144B+PS-0156  
 NOT DRIVER: 48V  
 30minutes warm-up

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:47.997V I:0.2289A P:10.986W PF:1.0000 Freq:0Hz Lamp Flux:1762.4x1 lm		
NAME: OZ48-P2L-6	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2501210023
MFR.: RISE	SUR.: 0.009408m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	232	232	232	232	232	232	232	232	232	232	232	232						
5	226	227	228	229	228	227	226	226	226	227	226	226						
10	210	213	217	219	216	213	212	211	214	215	214	211						
15	189	193	200	205	199	193	192	191	195	199	195	190						
20	164	169	179	187	178	170	168	167	174	180	173	165						
25	139	144	156	167	155	145	143	141	150	159	148	139						
30	113	118	132	145	131	119	116	115	126	137	124	114						
35	87.0	92.7	108	123	107	93.6	90.0	90.1	102	115	100	88.3						
40	60.6	68.6	85.0	101	84.4	69.2	64.2	66.0	80.1	94.1	78.0	64.1						
45	35.8	46.0	63.7	79.4	63.0	46.4	39.3	43.8	59.6	73.8	57.6	41.7						
50	13.2	25.7	44.6	59.5	44.0	25.7	16.5	23.7	41.3	54.8	39.4	21.5						
55	4.78	9.00	28.3	41.2	27.6	8.97	4.93	8.58	25.7	37.4	23.9	7.21						
60	3.39	3.41	15.2	25.1	14.5	3.45	3.56	3.23	13.1	21.9	11.6	3.21						
65	1.97	2.17	5.90	11.6	5.59	2.19	2.25	2.00	4.60	9.28	3.63	1.98						
70	0.89	1.08	1.52	3.28	1.45	1.18	1.17	1.01	1.11	1.93	1.08	0.89						
75	0.43	0.45	0.62	1.41	0.54	0.48	0.49	0.39	0.42	0.87	0.44	0.39						
80	0.22	0.23	0.38	0.65	0.26	0.22	0.24	0.17	0.18	0.31	0.19	0.19						
85	0.09	0.10	0.26	0.16	0.09	0.09	0.10	0.06	0.05	0.08	0.06	0.07						
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2025-1-21

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