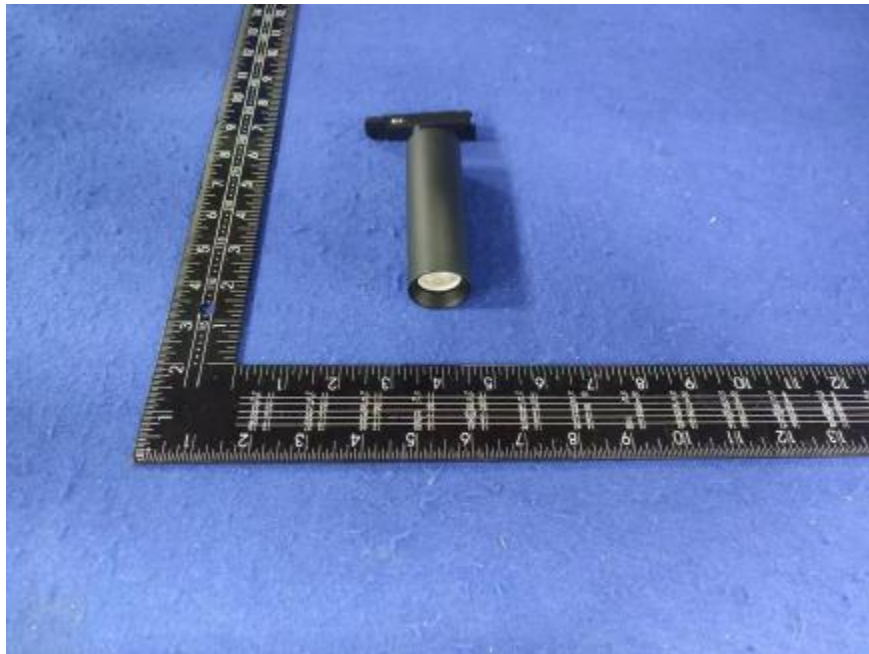


### Luminaire Photograph



Light Output Ratio:	86.0%	
Luminaire Power:	6.518 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-12-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: BXRH-30G60T0-C-83 Ra: 90  
LENS: PM-1117 15R  
NOT DRIVER: DC 48V  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

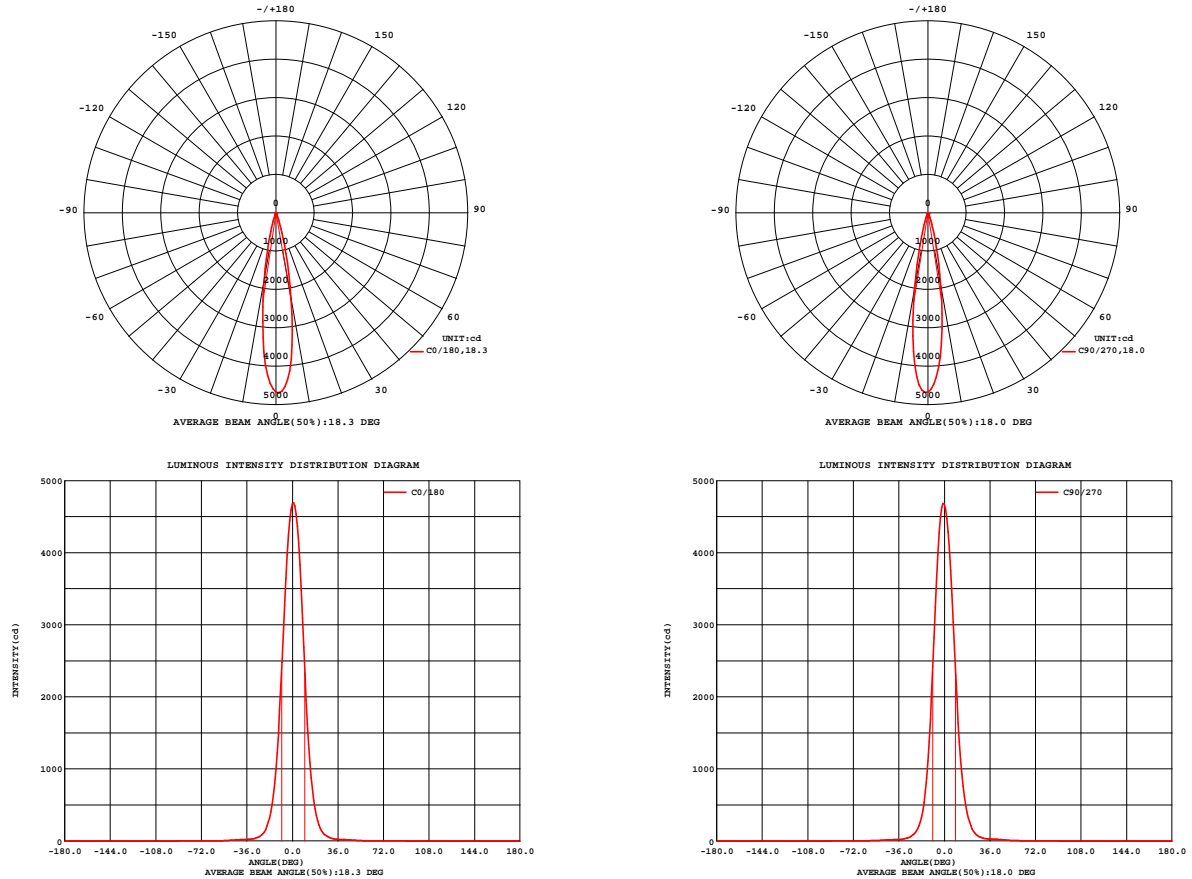


Fig. C0/C180

Fig. C90/C270

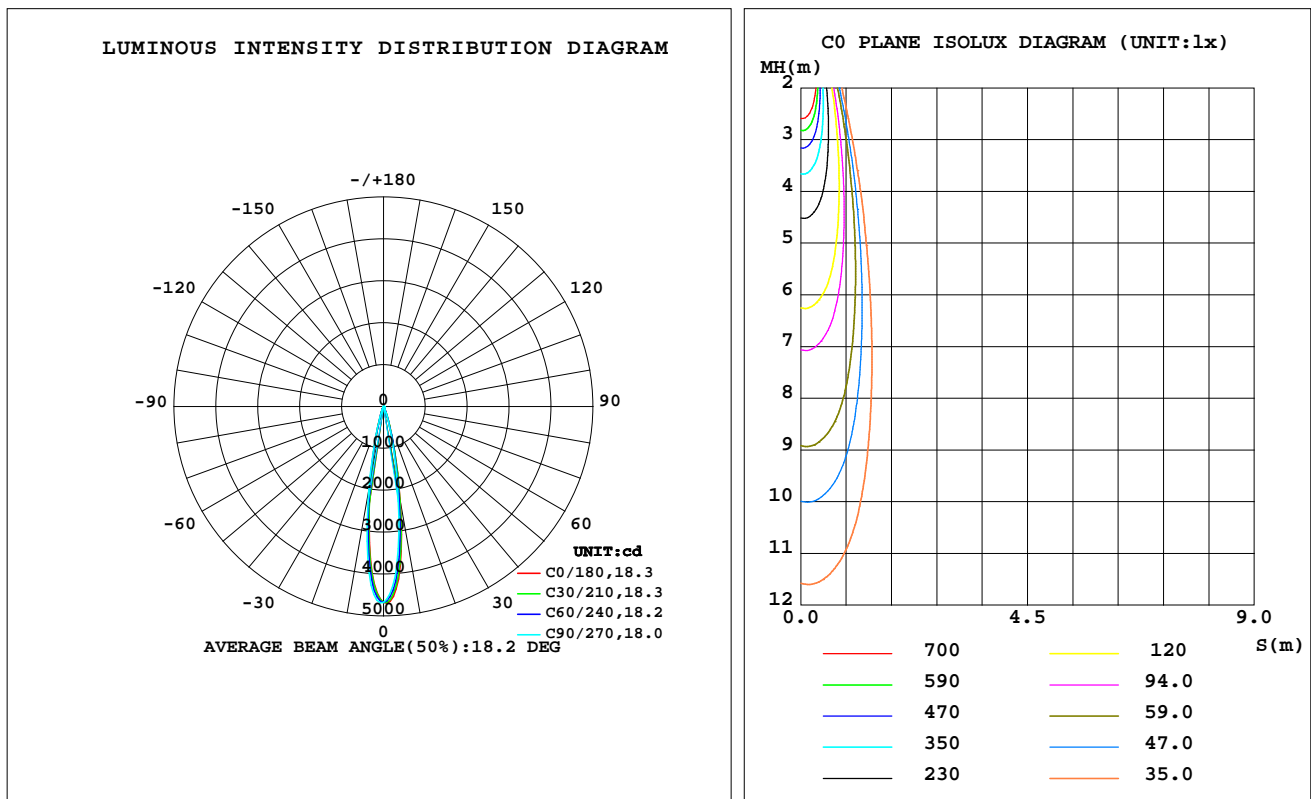
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-12-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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: BXRH-30G60T0-C-83 Ra: 90  
LENS: PM-1117 15R  
NOT DRIVER: DC 48V  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:47.997V I:0.1358A P:6.5180W PF:1.0000 Freq:49.99Hz Lamp Flux:712.09x1 lm		
NAME: OZ48-SA-HE-33	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412161472
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.90 lm/W			
MODEL	Bridgelux	I <sub>max</sub> (cd)	4726	S/MH(C0/180)	0.29
NOMINAL POWER(W)	6	LOR(%)	86.0	S/MH(C90/270)	0.31
RATED VOLTAGE(V)	48	TOTAL FLUX(lm)	612.07	η UP,DN(C0-180)	0.0,43.7
NOMINAL FLUX(lm)	712.09	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,42.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	48	η down(%)	86.0	CIBSE SHR MAX	0.30



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-12-16

γ Range: 0 - 180DEG  
γ 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:BXRH-30G60T0-C-83 Ra:90  
LENS:PM-1117 15R  
NOT DRIVER:DC 48V  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	2302	2202	1967	1764	1817	1853	2039	2353	0- 10	307.3	307.3	50.2,43.2
20	284.3	293.9	268.6	216.6	210.3	196.2	210.3	268.7	10- 20	223.7	530.9	86.7,74.6
30	42.40	45.44	43.32	37.44	34.25	34.25	35.91	40.78	20- 30	45.46	576.4	94.2,80.9
40	20.31	23.77	24.62	23.01	19.69	18.59	18.32	19.33	30- 40	16.38	592.8	96.8,83.2
50	9.392	10.47	10.54	9.193	8.309	8.687	9.428	9.914	40- 50	11.96	604.7	98.8,84.9
60	3.207	4.002	4.370	3.767	3.045	3.453	3.829	3.917	50- 60	5.052	609.8	99.6,85.6
70	0.5339	0.6162	0.4627	0.2431	0.1968	0.2930	0.5254	0.6663	60- 70	2.186	612.0	100,85.9
80	0.0341	0.0234	0.0319	0.0274	0.0287	0.0212	0.0319	0.0232	70- 80	0.0827	612.1	100,86
90	0	0	0	0	0	0	0	0	80- 90	0.0186	612.1	100,86
100	0	0	0	0	0	0	0	0	90-100	0	612.1	100,86
110	0	0	0	0	0	0	0	0	100-110	0	612.1	100,86
120	0	0	0	0	0	0	0	0	110-120	0	612.1	100,86
130	0	0	0	0	0	0	0	0	120-130	0	612.1	100,86
140	0	0	0	0	0	0	0	0	130-140	0	612.1	100,86
150	0	0	0	0	0	0	0	0	140-150	0	612.1	100,86
160	0	0	0	0	0	0	0	0	150-160	0	612.1	100,86
170	0	0	0	0	0	0	0	0	160-170	0	612.1	100,86
180	0	0	0	0	0	0	0	0	170-180	0	612.1	100,86
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-12-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:BXRH-30G60T0-C-83 Ra:90  
LENS:PM-1117 15R  
NOT DRIVER:DC 48V  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:47.997V I:0.1358A P:6.5180W PF:1.0000 Freq:49.99Hz  
Lamp Flux:712.09x1 lm

NAME: OZ48-SA-HE-33

TYPE:

WEIGHT:

SPEC.: 3000K

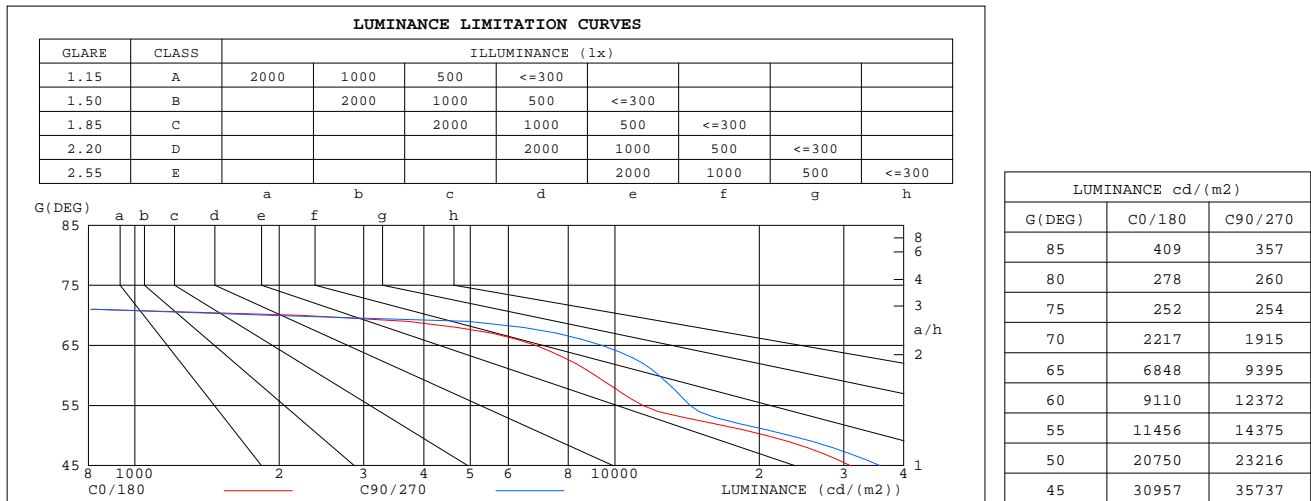
DIM.:

SERIAL No.: 2412161472

MFR.: RISE

SUR.: 0.0007065m2

Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-12-16

γ Range: 0 - 180DEG  
γ 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:BXRH-30G60T0-C-83 Ra:90  
LENS:PM-1117 15R  
NOT DRIVER:DC 48V  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:47.997V I:0.1358A P:6.5180W PF:1.0000 Freq:49.99Hz  
Lamp Flux:712.09x1 lm

NAME: OZ48-SA-HE-33

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

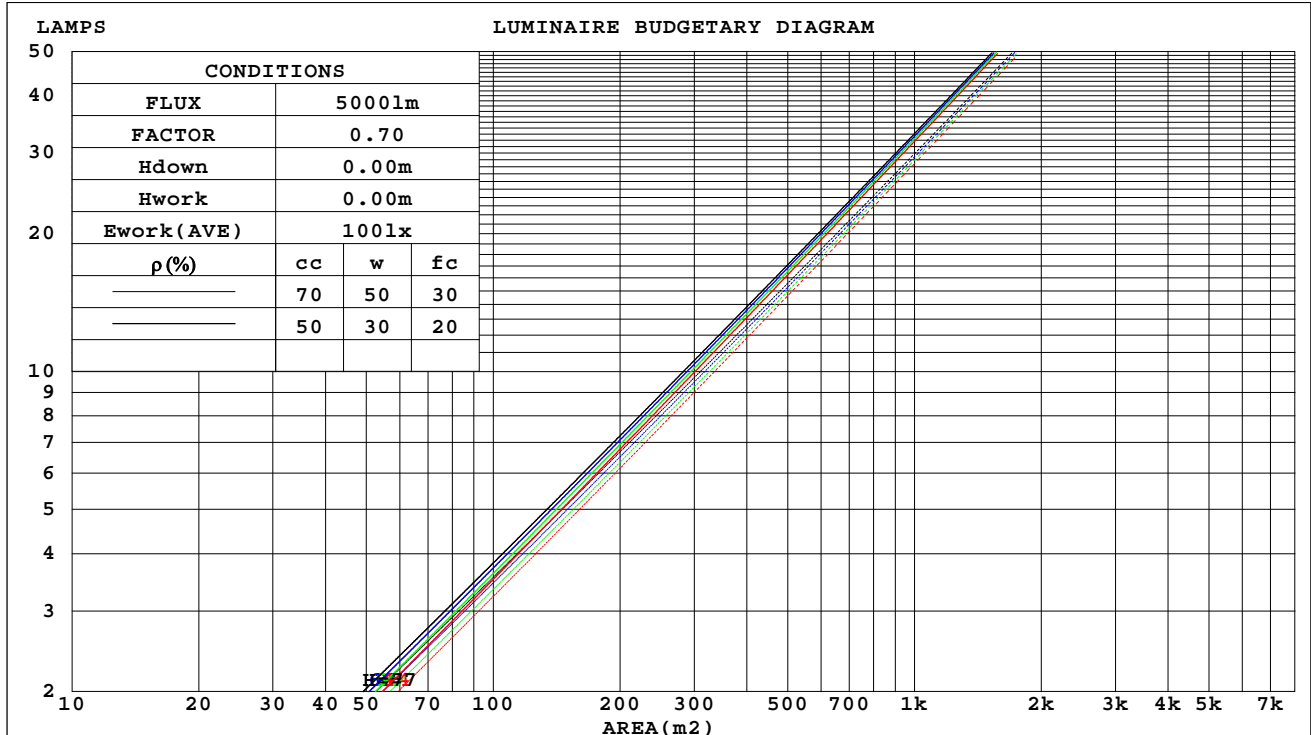
SERIAL No.: 2412161472

MFR.: RISE

SUR.: 0.0007065m2

Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.02	1.02	1.02	.00	.00	.00	.96	.96	.96	.91	.91	.91	.88	.88	.88	.86
1.0	.97	.96	.95	.96	.94	.93	.92	.91	.90	.89	.88	.88	.86	.86	.85	.84
2.0	.93	.91	.89	.92	.90	.88	.89	.88	.86	.87	.85	.84	.85	.83	.83	.81
3.0	.90	.87	.85	.89	.86	.84	.87	.84	.83	.85	.83	.81	.83	.81	.80	.79
4.0	.87	.84	.81	.86	.83	.81	.84	.82	.80	.83	.81	.79	.81	.80	.78	.77
5.0	.84	.81	.79	.83	.80	.78	.82	.80	.78	.81	.79	.77	.80	.78	.76	.75
6.0	.82	.79	.76	.81	.78	.76	.80	.77	.75	.79	.77	.75	.78	.76	.75	.74
7.0	.80	.76	.74	.79	.76	.74	.78	.76	.74	.77	.75	.73	.77	.75	.73	.72
8.0	.78	.75	.72	.77	.74	.72	.77	.74	.72	.76	.74	.72	.75	.73	.72	.71
9.0	.76	.73	.71	.76	.73	.71	.75	.72	.71	.74	.72	.70	.74	.72	.70	.69
10.0	.74	.71	.69	.74	.71	.69	.74	.71	.69	.73	.71	.69	.73	.70	.69	.68



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-12-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:BXRH-30G60T0-C-83 Ra:90  
LENS:PM-1117 15R  
NOT DRIVER:DC 48V  
30minutes warm-up



## WEC AND CCEC

Test:U:47.997V I:0.1358A P:6.5180W PF:1.0000 Freq:49.99Hz Lamp Flux:712.09x1 lm		
NAME: OZ48-SA-HE-33	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412161472
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.110	.063	.020	.104	.059	.019	.094	.054	.017	.084	.048	.016	.075	.043	.014	
2.0	.101	.056	.017	.097	.053	.016	.088	.049	.015	.080	.045	.014	.073	.041	.013	
3.0	.094	.050	.015	.090	.048	.014	.083	.045	.014	.076	.042	.013	.070	.039	.012	
4.0	.087	.045	.013	.084	.044	.013	.078	.041	.012	.072	.039	.012	.067	.036	.011	
5.0	.082	.042	.012	.079	.040	.012	.074	.038	.011	.069	.036	.011	.065	.034	.010	
6.0	.077	.038	.011	.074	.038	.011	.070	.036	.010	.066	.034	.010	.062	.033	.010	
7.0	.072	.036	.010	.070	.035	.010	.067	.034	.010	.063	.032	.009	.060	.031	.009	
8.0	.069	.033	.009	.067	.033	.009	.064	.032	.009	.060	.031	.009	.057	.030	.009	
9.0	.065	.032	.009	.064	.031	.009	.061	.030	.009	.058	.029	.008	.055	.028	.008	
10.0	.062	.030	.008	.061	.029	.008	.058	.029	.008	.056	.028	.008	.054	.027	.008	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.164	.164	.164	.140	.140	.140	.096	.096	.096	.055	.055	.055	.018	.018	.018	
1.0	.144	.136	.128	.123	.116	.110	.084	.080	.076	.049	.046	.044	.016	.015	.014	
2.0	.128	.114	.102	.110	.098	.088	.075	.068	.062	.043	.040	.036	.014	.013	.012	
3.0	.115	.097	.083	.098	.084	.072	.068	.058	.051	.039	.034	.030	.013	.011	.010	
4.0	.104	.084	.069	.089	.073	.060	.061	.051	.042	.035	.030	.025	.011	.010	.008	
5.0	.094	.073	.058	.081	.063	.050	.056	.044	.036	.032	.026	.021	.010	.008	.007	
6.0	.086	.064	.049	.074	.056	.043	.051	.039	.030	.030	.023	.018	.010	.008	.006	
7.0	.079	.057	.042	.068	.050	.037	.047	.035	.026	.027	.021	.015	.009	.007	.005	
8.0	.073	.051	.036	.063	.045	.032	.044	.031	.022	.025	.018	.013	.008	.006	.004	
9.0	.068	.046	.032	.059	.040	.028	.041	.028	.020	.024	.017	.012	.008	.005	.004	
10.0	.064	.042	.028	.055	.037	.024	.038	.026	.017	.022	.015	.010	.007	.005	.003	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-12-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:BXRH-30G60T0-C-83 Ra:90  
LENS:PM-1117 15R  
NOT DRIVER:DC 48V  
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:47.997V I:0.1358A P:6.5180W PF:1.0000 Freq:49.99Hz Lamp Flux:712.09x1 lm										
NAME: OZ48-SA-HE-33					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2412161472		
MFR.: RISE					SUR.: 0.0007065m2			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	15.3	15.9	15.5	16.0	16.1	16.0	16.6	16.2	16.7	16.9
3H	15.3	15.8	15.5	16.0	16.2	16.1	16.6	16.3	16.8	17.0
4H	15.2	15.7	15.5	15.9	16.2	16.0	16.5	16.3	16.7	16.9
6H	15.1	15.6	15.4	15.9	16.1	15.9	16.4	16.2	16.6	16.9
8H	15.1	15.6	15.4	15.8	16.1	15.9	16.4	16.2	16.6	16.9
12H	15.0	15.5	15.3	15.8	16.0	15.8	16.3	16.1	16.6	16.8
4H 2H	15.3	15.9	15.6	16.1	16.3	16.0	16.5	16.3	16.8	17.0
3H	15.4	15.8	15.7	16.1	16.3	16.1	16.5	16.4	16.8	17.1
4H	15.3	15.7	15.6	16.0	16.3	16.0	16.4	16.3	16.7	17.0
6H	15.2	15.5	15.5	15.9	16.2	15.9	16.3	16.2	16.6	16.9
8H	15.1	15.5	15.5	15.8	16.2	15.8	16.2	16.2	16.5	16.9
12H	15.0	15.4	15.4	15.7	16.1	15.8	16.1	16.2	16.5	16.8
8H 4H	15.1	15.5	15.5	15.8	16.2	15.8	16.2	16.2	16.5	16.9
6H	15.0	15.3	15.4	15.7	16.1	15.7	16.0	16.1	16.4	16.8
8H	14.9	15.2	15.4	15.6	16.0	15.7	15.9	16.1	16.3	16.8
12H	14.9	15.1	15.3	15.5	16.0	15.6	15.8	16.0	16.3	16.7
12H 4H	15.0	15.4	15.4	15.7	16.1	15.8	16.1	16.2	16.5	16.8
6H	14.9	15.2	15.4	15.6	16.0	15.6	15.9	16.1	16.3	16.8
8H	14.9	15.1	15.3	15.5	16.0	15.6	15.8	16.0	16.3	16.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.2 / - 3.5					+ 1.9 / - 3.1				
1.5H	+ 1.5 / - 3.4					+ 1.7 / - 3.0				
2.0H	+ 4.0 / - 3.3					+ 3.8 / - 2.7				

CIE Pub.117, 712.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.2)  
Area: 0.0007065 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-12-16

γ Range: 0 - 180DEG  
γ 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:BXRH-30G60T0-C-83 Ra:90  
LENS:PM-1117 15R  
NOT DRIVER:DC 48V  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:47.997V I:0.1358A P:6.5180W PF:1.0000 Freq:49.99Hz Lamp Flux:712.09x1 lm		
NAME: OZ48-SA-HE-33	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412161472
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

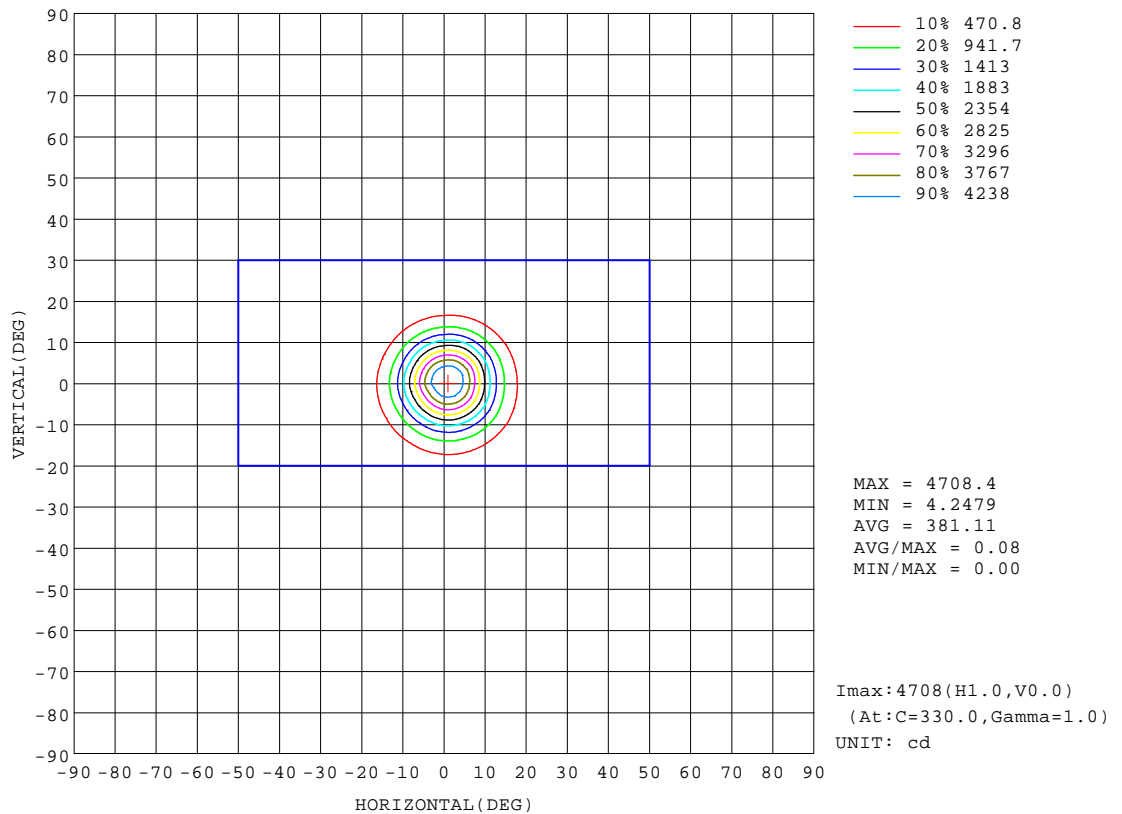
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	77	72	69	77	72	69	76	71	69	66
0.80	83	78	75	83	78	75	82	78	75	72
1.00	87	82	79	86	82	79	85	82	79	75
1.25	90	86	83	89	85	83	87	84	82	78
1.50	92	88	86	91	88	85	89	86	84	81
2.00	94	91	88	93	90	87	91	88	86	82
2.50	95	92	90	94	91	89	91	89	87	83
3.00	97	94	92	95	93	91	92	90	89	83
4.00	98	96	94	96	95	93	93	92	91	85
5.00	99	97	96	97	96	95	94	93	92	86
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:2024-12-16

γ Range: 0 - 180DEG  
γ 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:BXRH-30G60T0-C-83 Ra:90  
LENS:PM-1117 15R  
NOT DRIVER:DC 48V  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:47.997V I:0.1358A P:6.5180W PF:1.0000 Freq:49.99Hz Lamp Flux:712.09x1 lm		
NAME: OZ48-SA-HE-33	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412161472
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

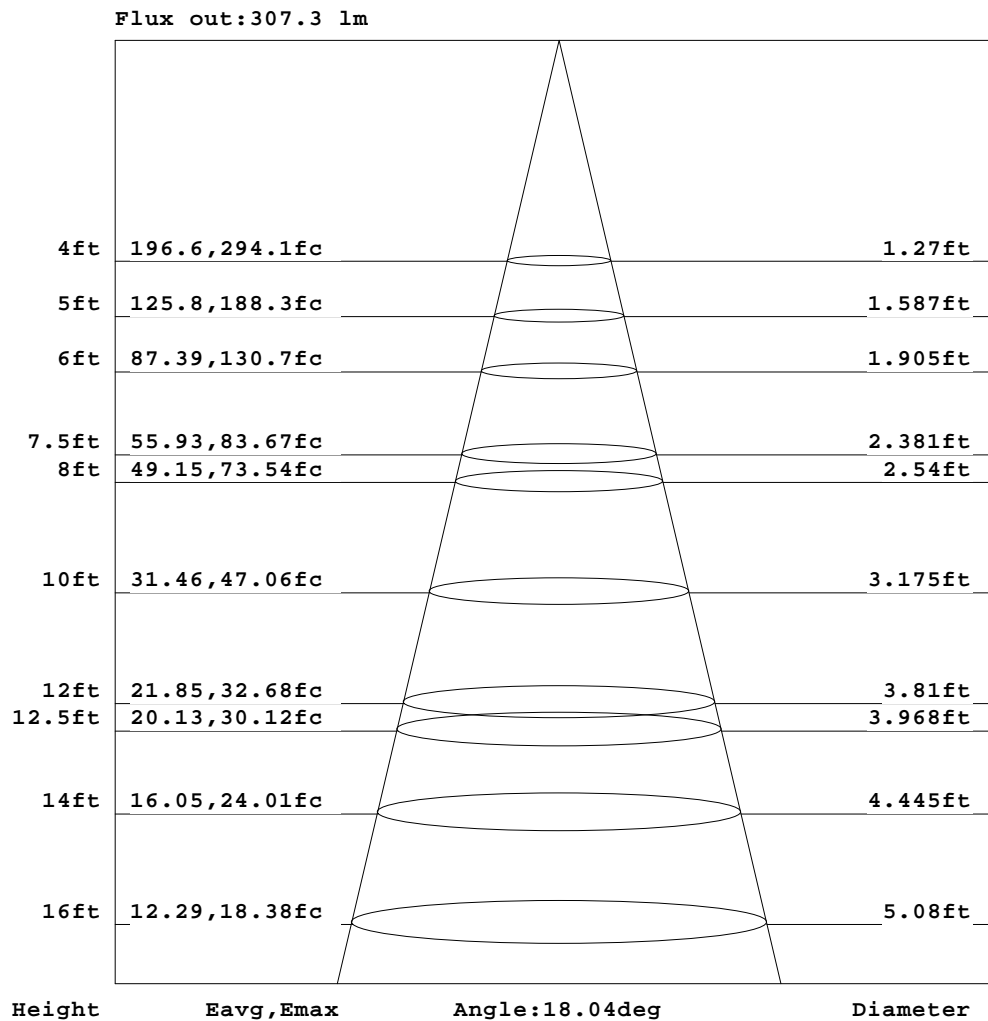


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-12-16

γ Range: 0 - 180DEG  
γ 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:BXRH-30G60T0-C-83 Ra:90  
LENS:PM-1117 15R  
NOT DRIVER:DC 48V  
30minutes warm-up

## AAI Figure

Test:U:47.997V I:0.1358A P:6.5180W PF:1.0000 Freq:49.99Hz Lamp Flux:712.09x1 lm		
NAME: OZ48-SA-HE-33	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412161472
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:



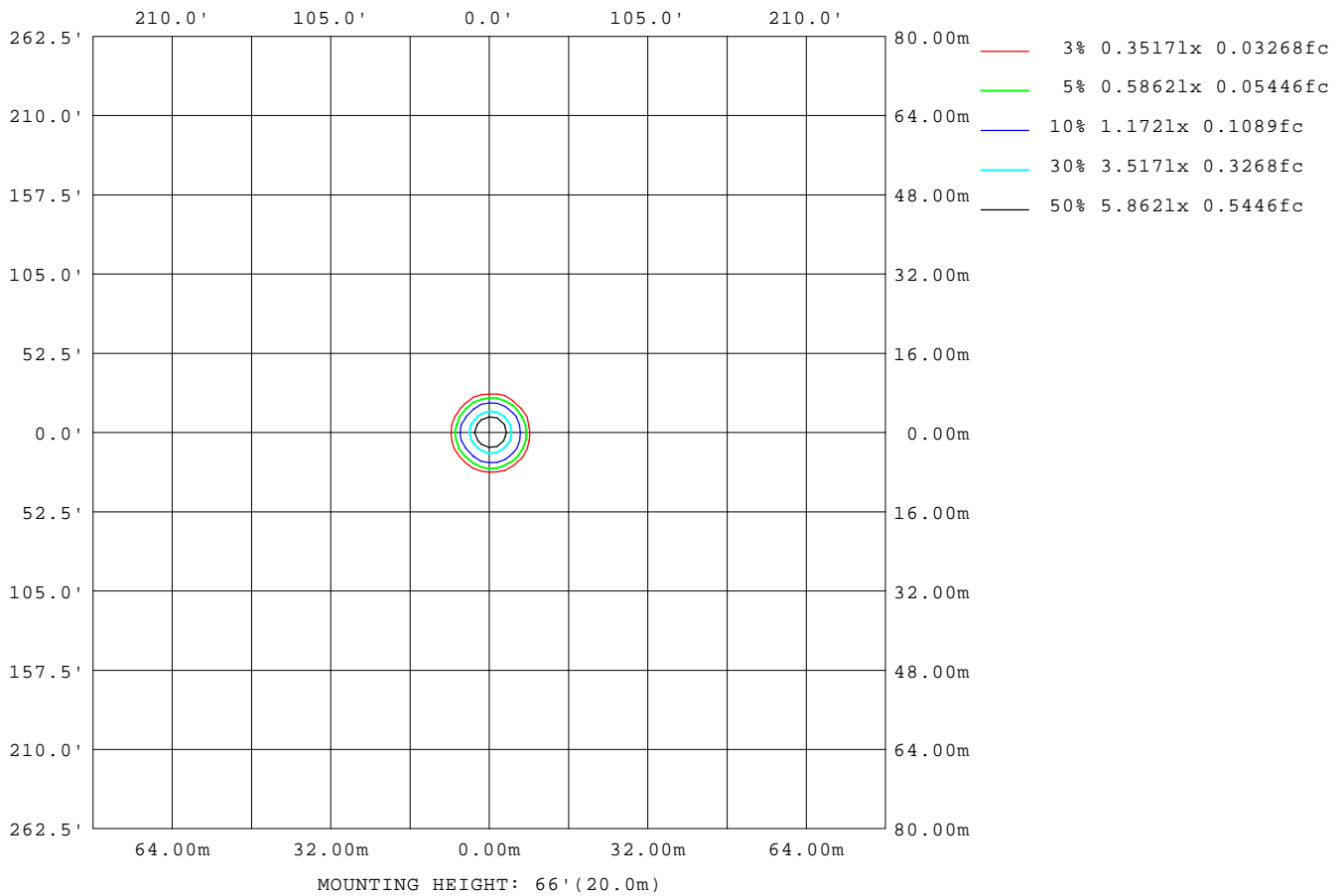
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-12-16

γ Range: 0 - 180DEG  
γ 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:BXRH-30G60T0-C-83 Ra:90  
LENS:PM-1117 15R  
NOT DRIVER:DC 48V  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:47.997V I:0.1358A P:6.5180W PF:1.0000 Freq:49.99Hz Lamp Flux:712.09x1 lm		
NAME: OZ48-SA-HE-33	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412161472
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-12-16

γ Range: 0 - 180DEG  
γ 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:BXRH-30G60T0-C-83 Ra:90  
LENS:PM-1117 15R  
NOT DRIVER:DC 48V  
30minutes warm-up

### LED Avg.L Report

Test:U:47.997V I:0.1358A P:6.5180W PF:1.0000 Freq:49.99Hz Lamp Flux:712.09x1 lm		
NAME: OZ48-SA-HE-33	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412161472
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

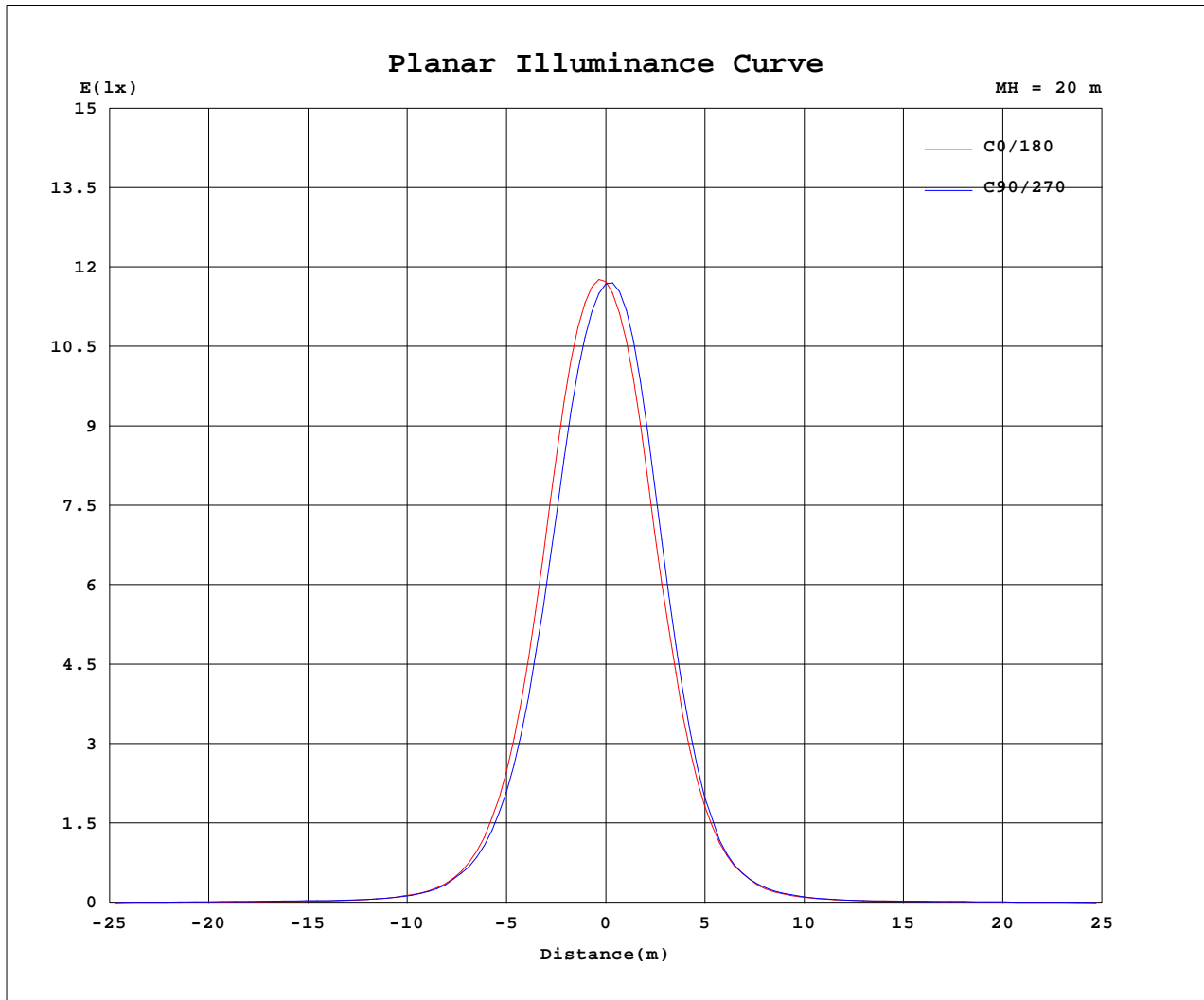
AvgL	cd/m2
L_0~180(65)av	6453
L_0~180(75)av	230
L_0~180(85)av	386
L_90~270(65)av	8469
L_90~270(75)av	238
L_90~270(85)av	378
L_45(65)av	7672
L_45(75)av	212
L_45(85)av	222

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-12-16

γ Range: 0 - 180DEG  
γ 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:BXRH-30G60T0-C-83 Ra:90  
LENS:PM-1117 15R  
NOT DRIVER:DC 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: 2024-12-16

γ Range: 0 - 180DEG  
 γ 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: BXRH-30G60T0-C-83 Ra: 90  
 LENS: PM-1117 15R  
 NOT DRIVER: DC 48V  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:47.997V I:0.1358A P:6.5180W PF:1.0000 Freq:49.99Hz Lamp Flux:712.09x1 lm		
NAME: OZ48-SA-HE-33	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412161472
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	4674	4674	4674	4674	4674	4674	4674	4674	4674	4674	4674	4674						
5	4133	4061	3908	3756	3594	3542	3645	3689	3830	3983	4183	4259						
10	2302	2282	2121	1967	1775	1752	1817	1780	1926	2039	2303	2403						
15	878	908	859	757	693	634	638	634	631	701	805	888						
20	284	306	282	269	219	214	210	185	207	210	261	276						
25	97.5	104	98.4	92.2	83.6	74.3	73.3	74.4	74.8	81.9	89.0	95.9						
30	42.4	45.8	45.1	43.3	38.6	36.2	34.3	33.5	35.0	35.9	39.4	42.1						
35	24.3	27.4	29.1	29.1	27.2	25.5	22.4	21.7	21.5	21.1	22.1	23.9						
40	20.3	22.9	24.6	24.6	23.5	22.5	19.7	18.7	18.4	18.3	18.7	20.0						
45	15.4	16.9	18.1	17.9	16.7	15.9	14.4	13.9	14.4	14.5	15.0	15.9						
50	9.39	10.1	10.9	10.5	9.53	8.86	8.31	8.29	9.09	9.43	9.79	10.04						
55	4.63	4.96	5.88	5.82	5.30	4.97	4.40	4.62	5.31	5.49	5.51	5.35						
60	3.21	3.63	4.37	4.37	3.85	3.69	3.04	3.30	3.60	3.83	3.87	3.97						
65	2.04	2.38	2.72	2.81	2.29	2.19	1.82	2.00	2.04	2.25	2.38	2.28						
70	0.53	0.62	0.61	0.46	0.28	0.20	0.20	0.21	0.37	0.53	0.72	0.61						
75	0.05	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04						
80	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.02						
85	0.03	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.02	0.01	0.02						
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:2024-12-16

γ Range: 0 - 180DEG  
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