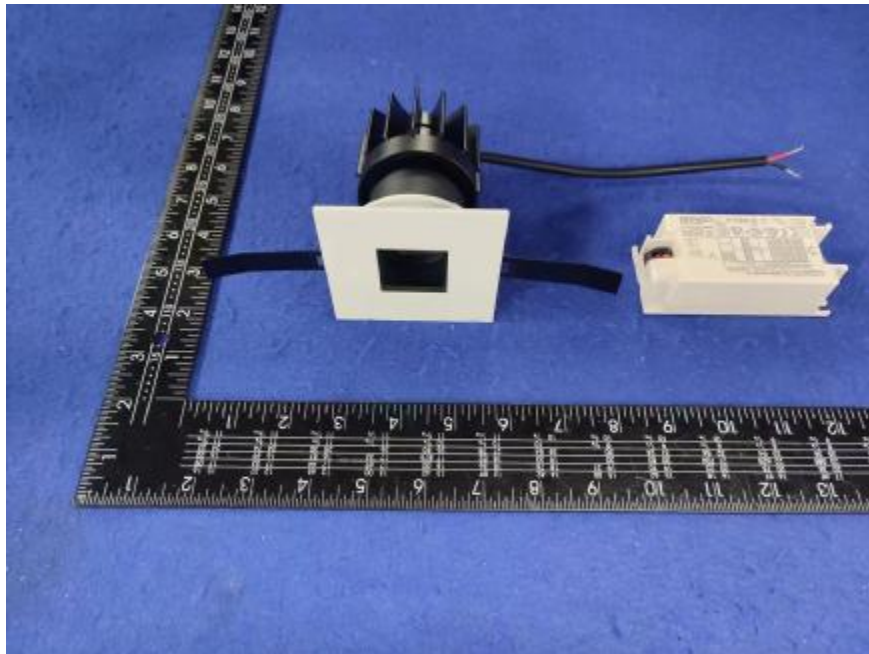


## Luminaire Photograph



Light Output Ratio:	58.8%	
Luminaire Power:	13.77 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.50	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-8-8

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: BXRE-30G1000-A-83 Ra: 90  
LENS: PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

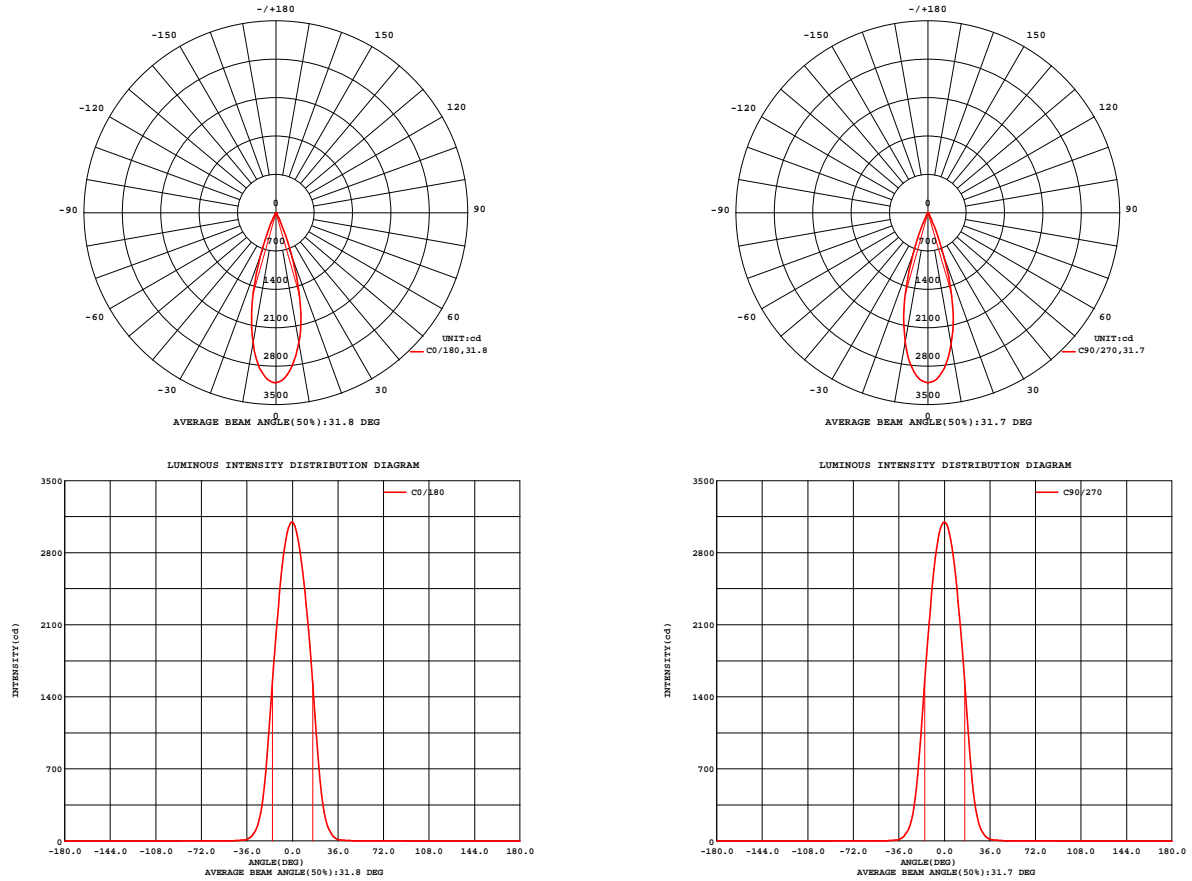


Fig. C0/C180

Fig. C90/C270

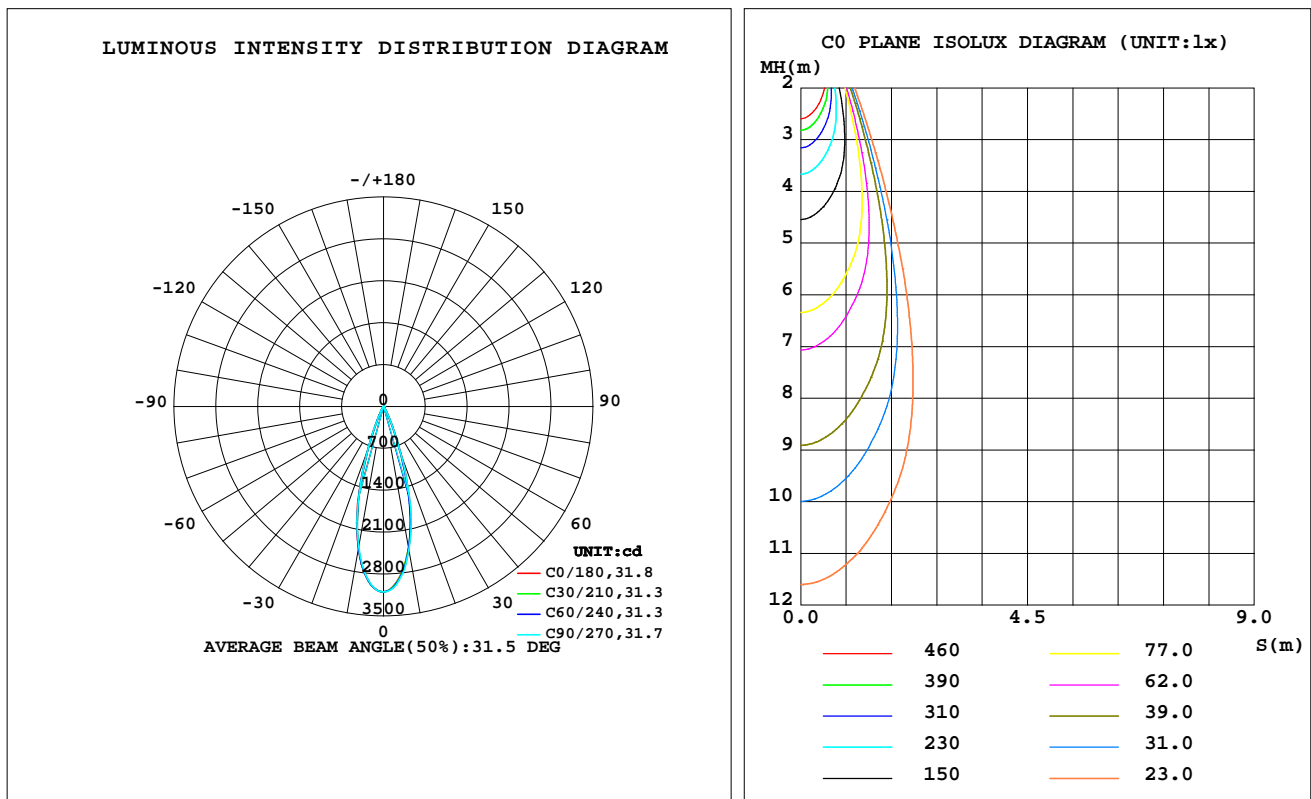
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-8-8

$\gamma$  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: BXRE-30G1000-A-83 Ra: 90  
LENS: PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.16V I:0.0644A P:13.773W PF:0.9696 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.106-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408080999
MFR.: RISE	SUR.: 0.001024m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 63.63 lm/W
MODEL	Bridgelux	I <sub>max</sub> (cd)	3098	S/MH(C0/180)	0.50	
NOMINAL POWER(W)	14	LOR(%)	58.8	S/MH(C90/270)	0.49	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	876.38	η UP,DN(C0-180)	0.0,30.0	
NOMINAL FLUX(lm)	1490.38	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,28.8	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	220	η down(%)	58.8	CIBSE SHR MAX	0.50	



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-8-8

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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
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	2413	2411	2440	2443	2413	2411	2394	2394	0- 10	262.6	262.6	30,17.6
20	877.1	851.3	883.5	817.9	819.6	770.4	794.2	799.4	10- 20	442.8	705.4	80.5,47.3
30	88.44	94.34	88.44	90.28	79.78	81.53	76.88	88.33	20- 30	146.1	851.5	97.2,57.1
40	7.731	9.003	8.606	9.649	7.574	7.659	6.554	7.860	30- 40	20.32	871.8	99.5,58.5
50	1.651	2.046	1.533	2.297	1.159	1.314	1.024	2.048	40- 50	3.205	875.0	99.8,58.7
60	0.6843	0.6145	0.6873	0.7755	0.3517	0.2049	0.2857	0.6663	50- 60	0.7844	875.8	99.9,58.8
70	0.3144	0.2914	0.3175	0.3113	0.1414	0.1294	0.1412	0.2784	60- 70	0.3894	876.2	100,58.8
80	0.0867	0.0675	0.0911	0.0512	0.0515	0.0427	0.0825	0.0562	70- 80	0.1475	876.3	100,58.8
90	0	0	0	0	0	0	0	0	80- 90	0.0324	876.4	100,58.8
100	0	0	0	0	0	0	0	0	90-100	0	876.4	100,58.8
110	0	0	0	0	0	0	0	0	100-110	0	876.4	100,58.8
120	0	0	0	0	0	0	0	0	110-120	0	876.4	100,58.8
130	0	0	0	0	0	0	0	0	120-130	0	876.4	100,58.8
140	0	0	0	0	0	0	0	0	130-140	0	876.4	100,58.8
150	0	0	0	0	0	0	0	0	140-150	0	876.4	100,58.8
160	0	0	0	0	0	0	0	0	150-160	0	876.4	100,58.8
170	0	0	0	0	0	0	0	0	160-170	0	876.4	100,58.8
180	0	0	0	0	0	0	0	0	170-180	0	876.4	100,58.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-8-8

$\gamma$  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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:220.16V I:0.0644A P:13.773W PF:0.9696 Freq:49.99Hz  
Lamp Flux:1490.38x1 lm

NAME: 2418.106-ACOT-70

TYPE:

WEIGHT:

SPEC.: 3000K

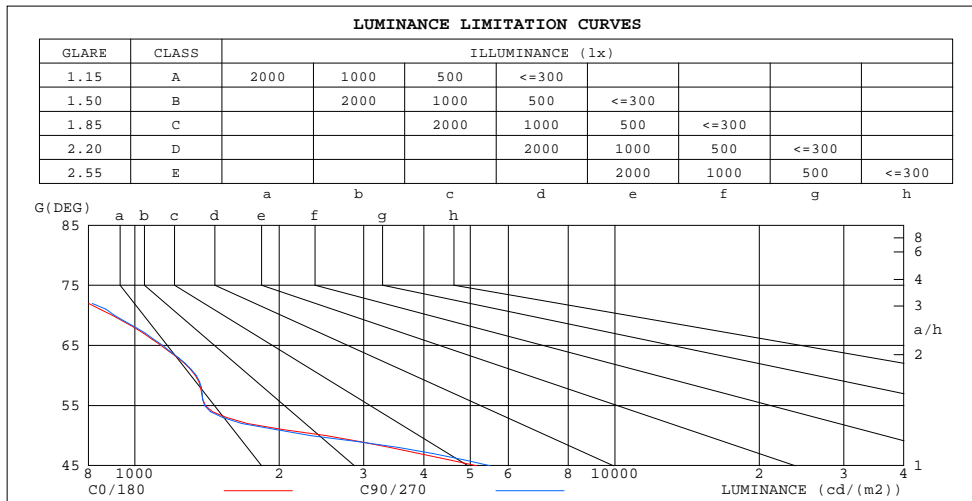
DIM.:

SERIAL No.: 2408080999

MFR.: RISE

SUR.: 0.001024m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	431	622
80	488	512
75	654	680
70	898	906
65	1135	1143
60	1336	1342
55	1405	1398
50	2508	2328
45	5152	5500

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-8-8

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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.16V I:0.0644A P:13.773W PF:0.9696 Freq:49.99Hz  
Lamp Flux:1490.38x1 lm

NAME: 2418.106-ACOT-70

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

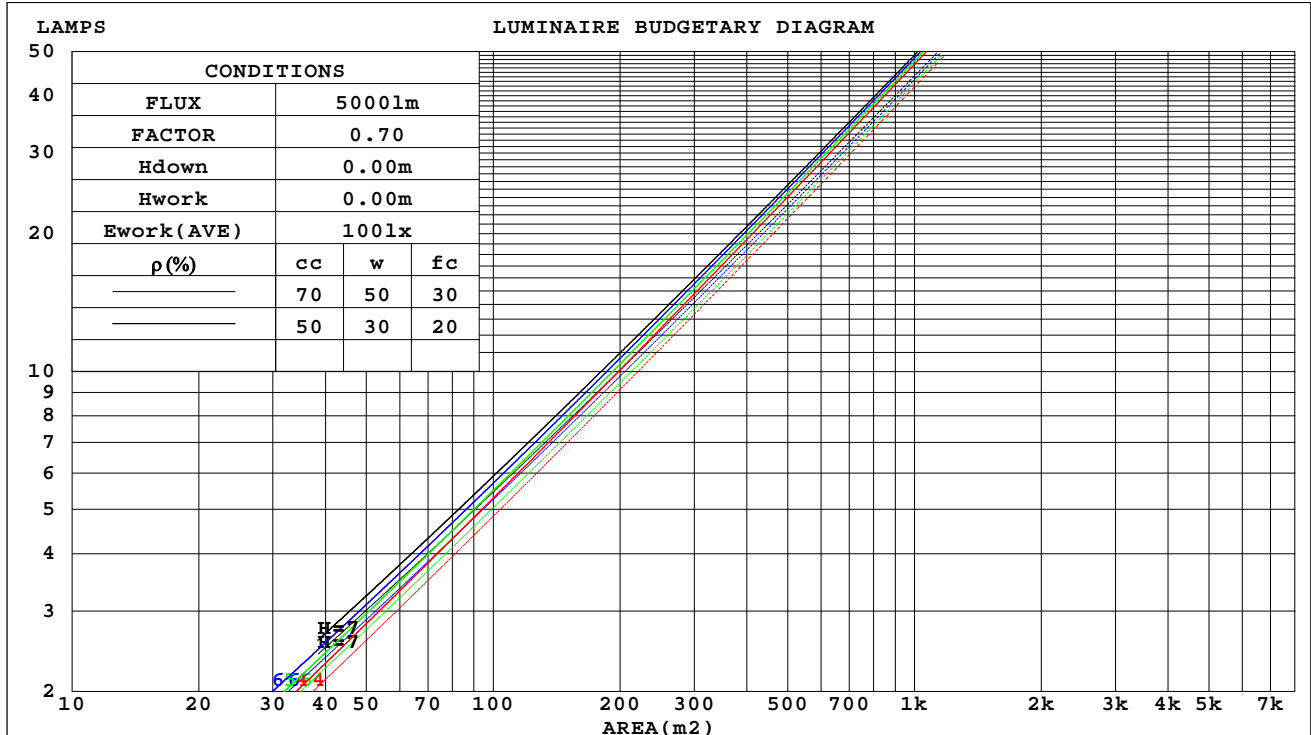
SERIAL No.: 2408080999

MFR.: RISE

SUR.: 0.001024m2

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	.70	.70	.70	.68	.68	.68	.65	.65	.65	.63	.63	.63	.60	.60	.60	.59
1.0	.66	.65	.64	.65	.64	.63	.63	.62	.61	.61	.60	.59	.59	.58	.58	.57
2.0	.63	.61	.60	.62	.61	.59	.60	.59	.58	.59	.58	.57	.57	.56	.56	.55
3.0	.61	.58	.57	.60	.58	.56	.58	.57	.55	.57	.56	.55	.56	.55	.54	.53
4.0	.58	.56	.54	.57	.55	.54	.56	.54	.53	.55	.54	.52	.54	.53	.52	.51
5.0	.56	.53	.52	.55	.53	.51	.54	.53	.51	.54	.52	.51	.53	.51	.50	.50
6.0	.54	.51	.50	.54	.51	.50	.53	.51	.49	.52	.50	.49	.51	.50	.49	.48
7.0	.52	.50	.48	.52	.49	.48	.51	.49	.48	.51	.49	.47	.50	.48	.47	.47
8.0	.50	.48	.46	.50	.48	.46	.50	.48	.46	.49	.47	.46	.49	.47	.46	.45
9.0	.49	.46	.45	.49	.46	.45	.48	.46	.45	.48	.46	.44	.47	.46	.44	.44
10.0	.47	.45	.43	.47	.45	.43	.47	.45	.43	.46	.45	.43	.46	.44	.43	.43



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-8-8

$\gamma$  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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
30minutes warm-up

### WEC AND CCEC

Test:U:220.16V I:0.0644A P:13.773W PF:0.9696 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.106-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408080999
MFR.: RISE	SUR.: 0.001024m2	Shielding Angle:

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	.081	.046	.015	.077	.044	.014	.070	.040	.013	.063	.036	.012	.057	.033	.011	
2.0	.075	.041	.013	.072	.040	.012	.066	.037	.011	.060	.034	.011	.055	.031	.010	
3.0	.070	.037	.011	.067	.036	.011	.062	.034	.010	.058	.032	.010	.053	.030	.009	
4.0	.066	.034	.010	.064	.033	.010	.059	.031	.009	.055	.030	.009	.052	.028	.009	
5.0	.062	.032	.009	.060	.031	.009	.057	.029	.009	.053	.028	.008	.050	.027	.008	
6.0	.059	.030	.008	.057	.029	.008	.054	.028	.008	.051	.027	.008	.048	.026	.008	
7.0	.056	.028	.008	.055	.027	.008	.052	.026	.008	.049	.025	.007	.047	.024	.007	
8.0	.054	.026	.007	.052	.026	.007	.050	.025	.007	.048	.024	.007	.046	.023	.007	
9.0	.051	.025	.007	.050	.024	.007	.048	.024	.007	.046	.023	.007	.044	.022	.006	
10.0	.049	.024	.007	.048	.023	.006	.046	.023	.006	.045	.022	.006	.043	.022	.006	

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	.112	.112	.112	.096	.096	.096	.065	.065	.065	.038	.038	.038	.012	.012	.012	
1.0	.099	.093	.087	.085	.080	.075	.058	.055	.052	.033	.032	.030	.011	.010	.010	
2.0	.088	.078	.069	.076	.067	.060	.052	.046	.042	.030	.027	.024	.010	.009	.008	
3.0	.080	.067	.056	.068	.057	.049	.047	.040	.034	.027	.023	.020	.009	.008	.007	
4.0	.072	.058	.046	.062	.050	.040	.043	.035	.028	.025	.020	.017	.008	.007	.006	
5.0	.066	.050	.039	.057	.044	.034	.039	.030	.024	.023	.018	.014	.007	.006	.005	
6.0	.061	.044	.033	.052	.039	.028	.036	.027	.020	.021	.016	.012	.007	.005	.004	
7.0	.057	.040	.028	.049	.034	.024	.034	.024	.017	.020	.014	.010	.006	.005	.003	
8.0	.053	.036	.024	.046	.031	.021	.031	.022	.015	.018	.013	.009	.006	.004	.003	
9.0	.050	.032	.021	.043	.028	.018	.030	.020	.013	.017	.012	.008	.006	.004	.003	
10.0	.047	.030	.018	.040	.026	.016	.028	.018	.011	.016	.011	.007	.005	.004	.002	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-8-8

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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:220.16V I:0.0644A P:13.773W PF:0.9696 Freq:49.99Hz Lamp Flux:1490.38x1 lm										
NAME: 2418.106-ACOT-70					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2408080999		
MFR.: RISE					SUR.: 0.001024m2			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	7.2	7.9	7.4	8.0	8.2	7.3	7.9	7.5	8.1	8.2
3H	7.1	7.7	7.3	7.9	8.1	7.2	7.8	7.4	8.0	8.2
4H	7.0	7.6	7.3	7.8	8.0	7.1	7.7	7.4	7.9	8.1
6H	7.0	7.5	7.2	7.7	8.0	7.0	7.6	7.3	7.8	8.0
8H	6.9	7.4	7.2	7.7	7.9	7.0	7.5	7.3	7.8	8.0
12H	6.9	7.4	7.2	7.6	7.9	6.9	7.5	7.2	7.7	8.0
4H 2H	7.0	7.6	7.3	7.8	8.0	7.1	7.7	7.3	7.9	8.1
3H	6.9	7.4	7.2	7.7	7.9	6.9	7.5	7.3	7.7	8.0
4H	6.8	7.3	7.1	7.6	7.9	6.9	7.3	7.2	7.6	7.9
6H	6.7	7.1	7.1	7.5	7.8	6.8	7.2	7.1	7.5	7.9
8H	6.7	7.0	7.0	7.4	7.8	6.7	7.1	7.1	7.5	7.8
12H	6.6	7.0	7.0	7.3	7.7	6.7	7.0	7.1	7.4	7.8
8H 4H	6.7	7.0	7.0	7.4	7.8	6.7	7.1	7.1	7.5	7.8
6H	6.6	6.9	7.0	7.3	7.7	6.6	6.9	7.0	7.3	7.7
8H	6.5	6.8	6.9	7.2	7.6	6.6	6.9	7.0	7.3	7.7
12H	6.4	6.7	6.9	7.1	7.6	6.5	6.8	7.0	7.2	7.7
12H 4H	6.6	7.0	7.0	7.3	7.7	6.7	7.0	7.1	7.4	7.8
6H	6.5	6.8	6.9	7.2	7.6	6.6	6.9	7.0	7.3	7.7
8H	6.4	6.7	6.9	7.1	7.6	6.5	6.8	7.0	7.2	7.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.6 / - 6.4					+ 2.7 / - 6.8				
1.5H	+ 4.4 / - 6.0					+ 4.7 / - 6.5				
2.0H	+ 4.6 / - 2.7					+ 4.8 / - 2.8				

CIE Pub.117, 1490 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)  
Area: 0.001024 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-8-8

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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:220.16V I:0.0644A P:13.773W PF:0.9696 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.106-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408080999
MFR.: RISE	SUR.: 0.001024m2	Shielding Angle:

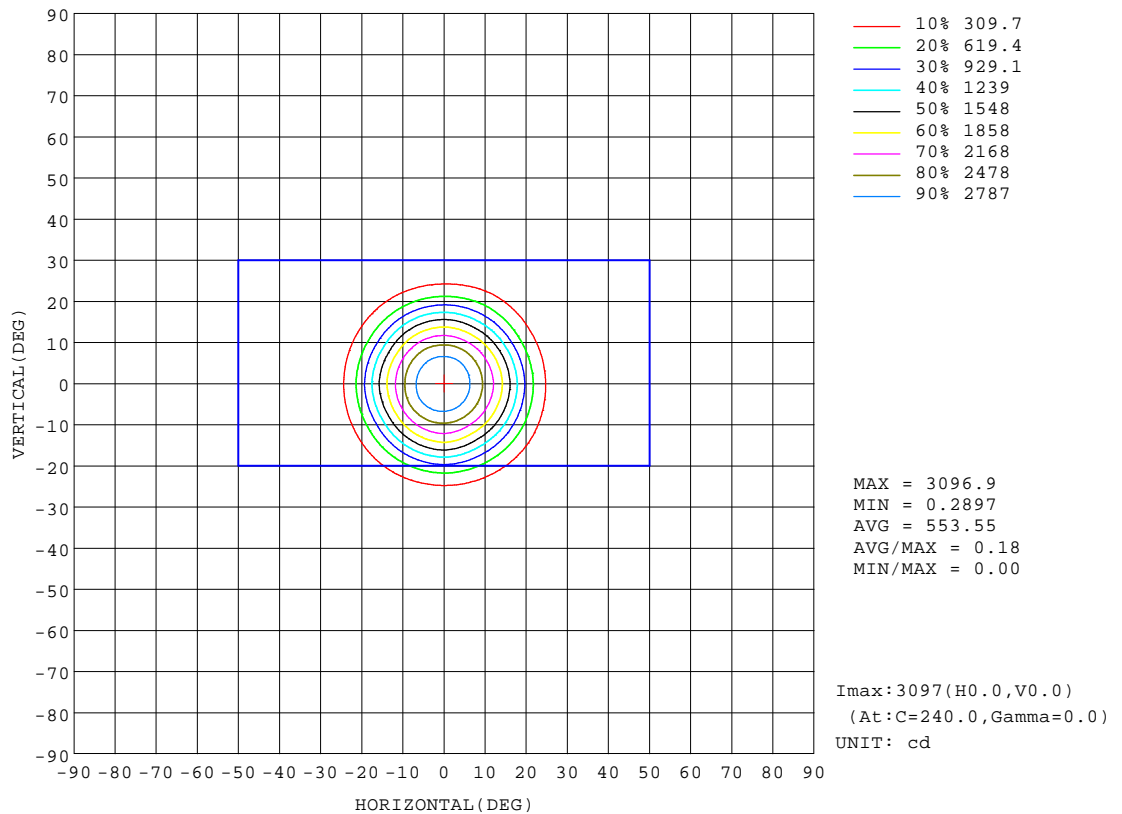
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	50	48	53	50	48	53	50	48	46
0.80	58	55	53	57	55	53	57	54	52	51
1.00	60	57	55	59	57	55	59	57	55	53
1.25	62	59	57	61	59	57	60	58	57	55
1.50	63	61	59	63	60	59	61	60	58	56
2.00	65	62	61	64	62	60	62	61	59	57
2.50	65	63	62	65	63	61	63	61	60	57
3.00	66	64	63	65	64	62	63	62	61	57
4.00	67	66	65	66	65	64	64	63	62	58
5.00	68	67	66	67	66	65	65	64	63	59
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:2024-8-8

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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:220.16V I:0.0644A P:13.773W PF:0.9696 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.106-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408080999
MFR.: RISE	SUR.: 0.001024m2	Shielding Angle:

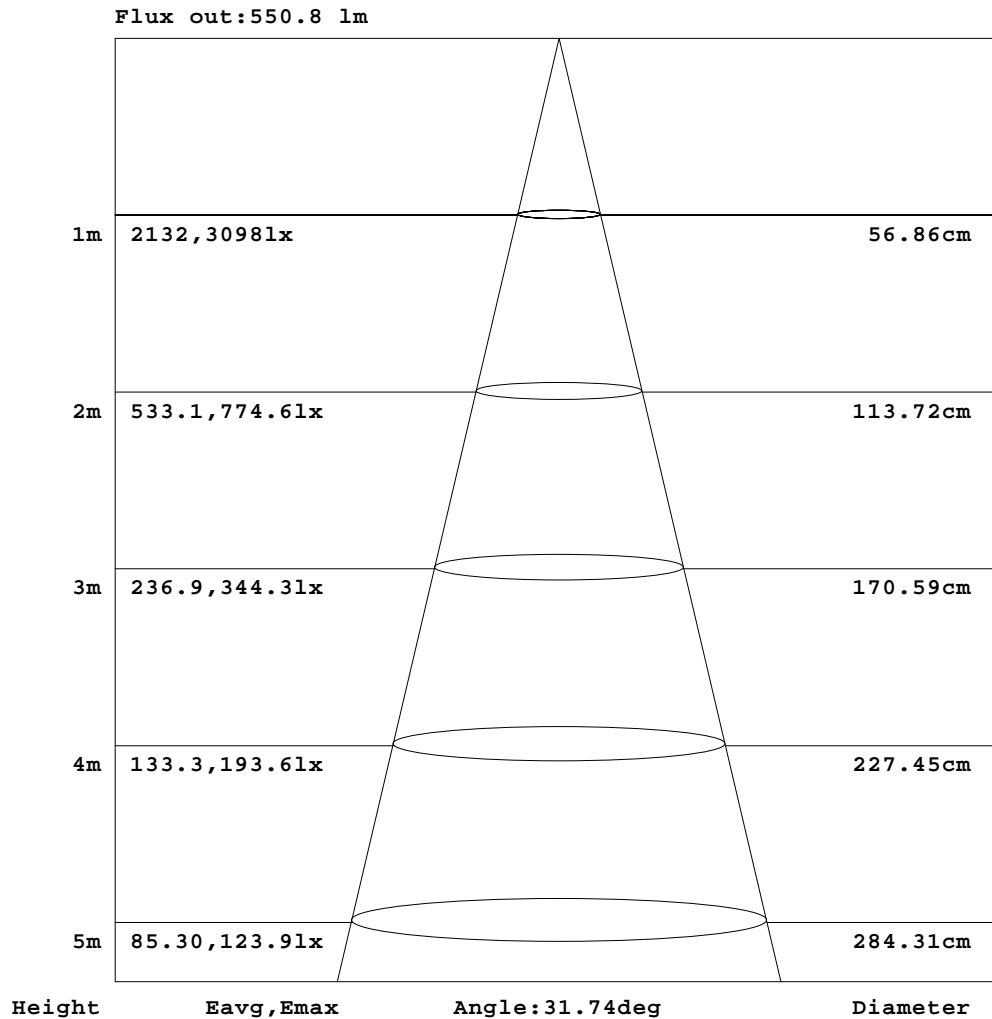


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-8-8

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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
30minutes warm-up

## AAI Figure

Test:U:220.16V I:0.0644A P:13.773W PF:0.9696 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.106-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408080999
MFR.: RISE	SUR.: 0.001024m2	Shielding Angle:



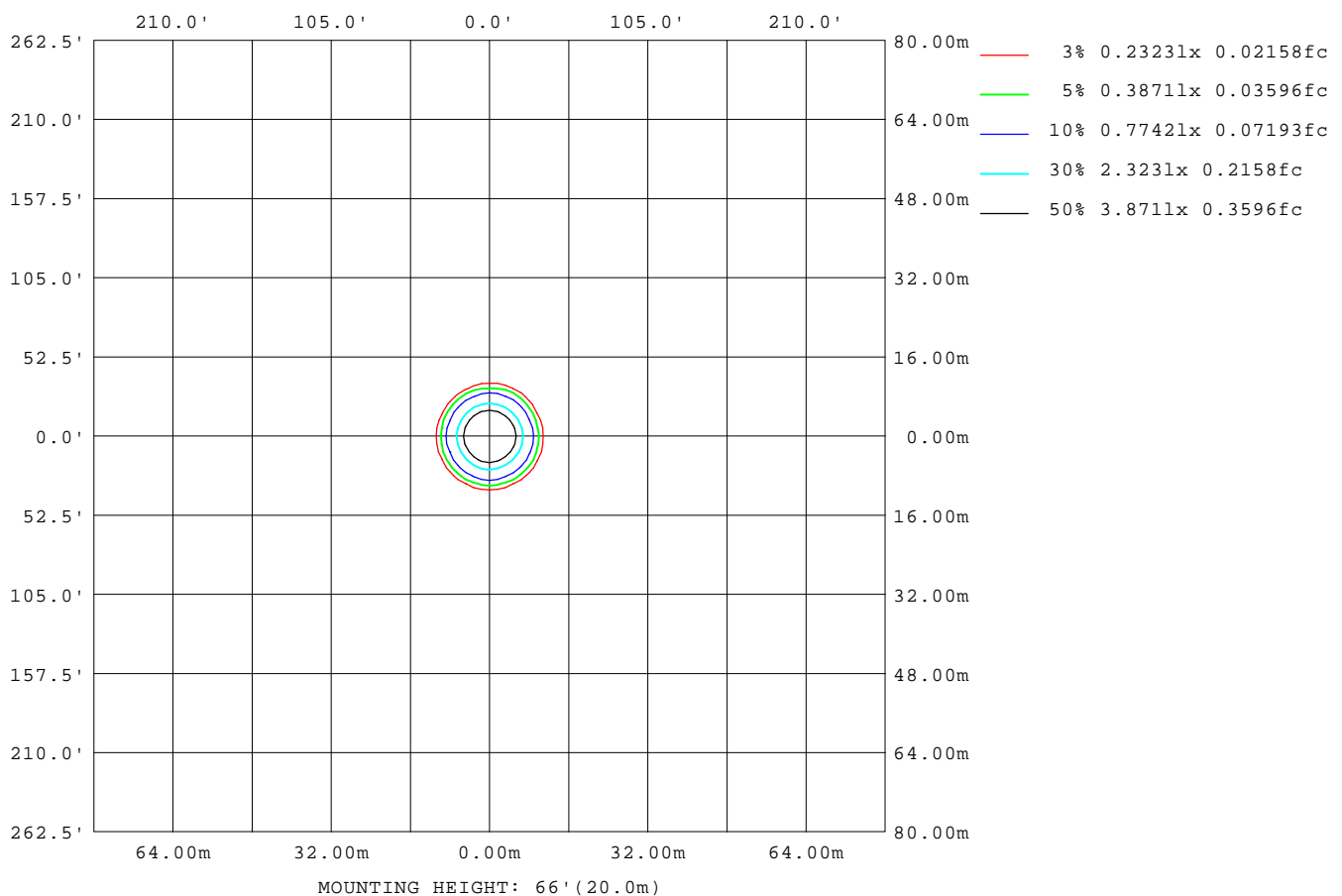
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-8-8

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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:220.16V I:0.0644A P:13.773W PF:0.9696 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.106-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408080999
MFR.: RISE	SUR.: 0.001024m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-8-8

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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
30minutes warm-up

### LED Avg.L Report

Test:U:220.16V I:0.0644A P:13.773W PF:0.9696 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.106-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408080999
MFR.: RISE	SUR.: 0.001024m2	Shielding Angle:

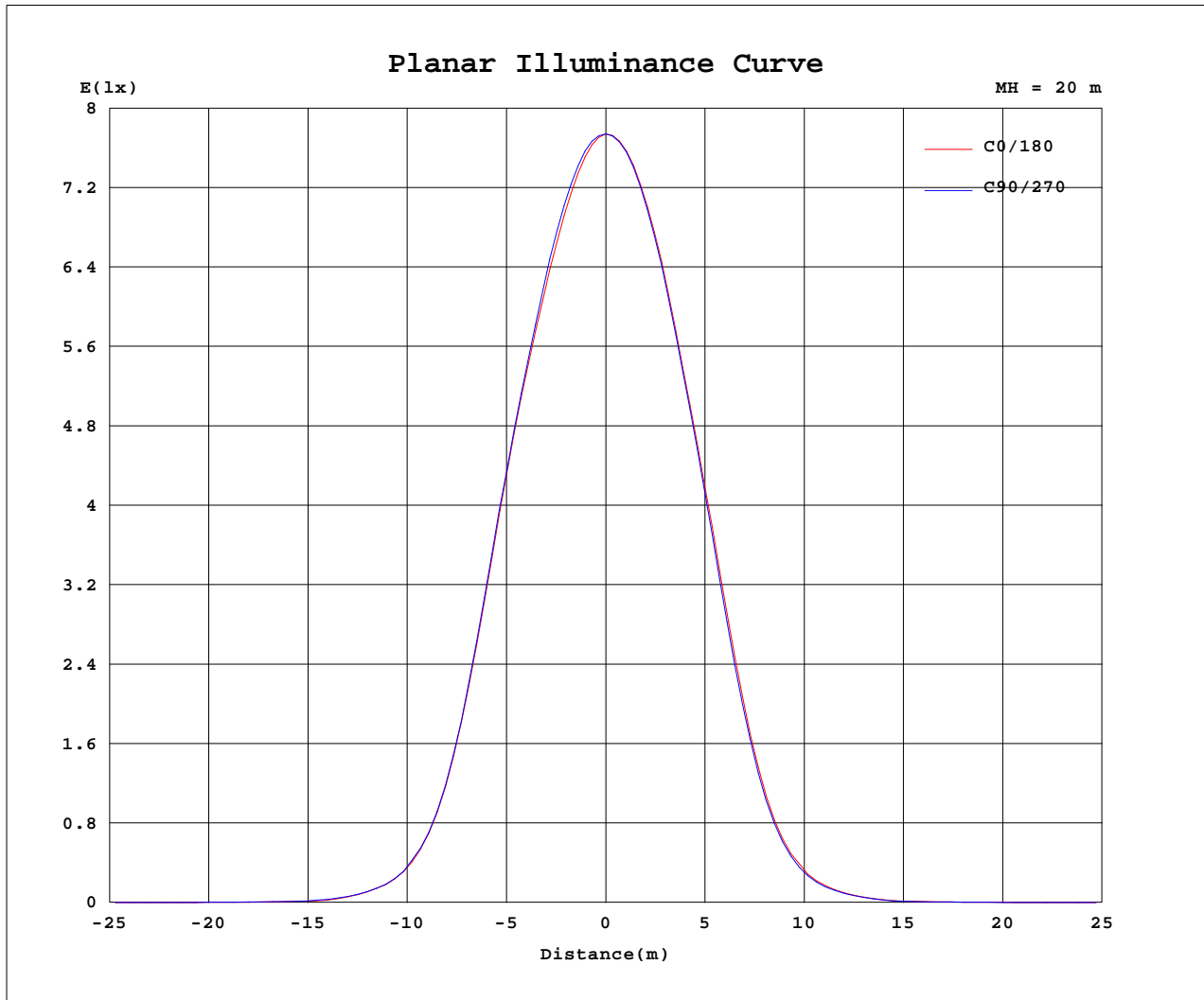
AvgL	cd/m2
L_0~180(65)av	863
L_0~180(75)av	481
L_0~180(85)av	330
L_90~270(65)av	833
L_90~270(75)av	531
L_90~270(85)av	582
L_45(65)av	954
L_45(75)av	501
L_45(85)av	143

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-8-8

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:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082A 24R  
DRIVER: IT FIT 20/200-240/500 CS 350mA  
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: 2024-8-8

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: BXRE-30G1000-A-83 Ra: 90  
 LENS: PM-1082A 24R  
 DRIVER: IT FIT 20/200-240/500 CS 350mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.16V I:0.0644A P:13.773W PF:0.9696 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.106-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408080999
MFR.: RISE	SUR.: 0.001024m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3098	3098	3098	3098	3098	3098	3098	3098	3098	3098	3098	3098						
5	2891	2899	2914	2928	2939	2952	2927	2927	2924	2918	2916	2897						
10	2413	2406	2415	2440	2442	2443	2413	2409	2413	2394	2395	2392						
15	1735	1711	1678	1755	1704	1652	1681	1613	1641	1645	1622	1663						
20	877	855	847	883	850	786	820	768	773	794	795	803						
25	289	304	295	294	289	270	266	257	255	252	279	269						
30	88.4	96.7	91.9	88.4	92.6	87.9	79.8	84.3	78.7	76.9	89.8	86.9						
35	19.9	32.0	31.5	23.5	31.8	31.2	22.2	28.4	26.6	18.7	30.9	27.6						
40	7.73	8.29	9.72	8.61	9.81	9.49	7.57	8.35	6.97	6.55	8.17	7.55						
45	3.73	4.09	4.34	3.98	4.63	4.53	3.45	3.42	3.13	2.87	4.01	4.10						
50	1.65	1.98	2.11	1.53	2.30	2.29	1.16	1.40	1.23	1.02	1.99	2.11						
55	0.83	0.88	0.83	0.82	1.13	1.06	0.43	0.30	0.32	0.33	0.84	1.07						
60	0.68	0.61	0.62	0.69	0.82	0.73	0.35	0.21	0.20	0.29	0.56	0.78						
65	0.49	0.45	0.46	0.49	0.57	0.50	0.26	0.17	0.18	0.23	0.39	0.55						
70	0.31	0.29	0.29	0.32	0.34	0.28	0.14	0.12	0.14	0.14	0.23	0.33						
75	0.17	0.16	0.16	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.11	0.16						
80	0.09	0.07	0.07	0.09	0.06	0.04	0.05	0.04	0.05	0.08	0.05	0.07						
85	0.04	0.02	0.02	0.06	0.02	0.01	0.02	0.01	0.01	0.05	0.03	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:2024-8-8

γ Range: 0 - 180DEG  
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Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
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Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
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