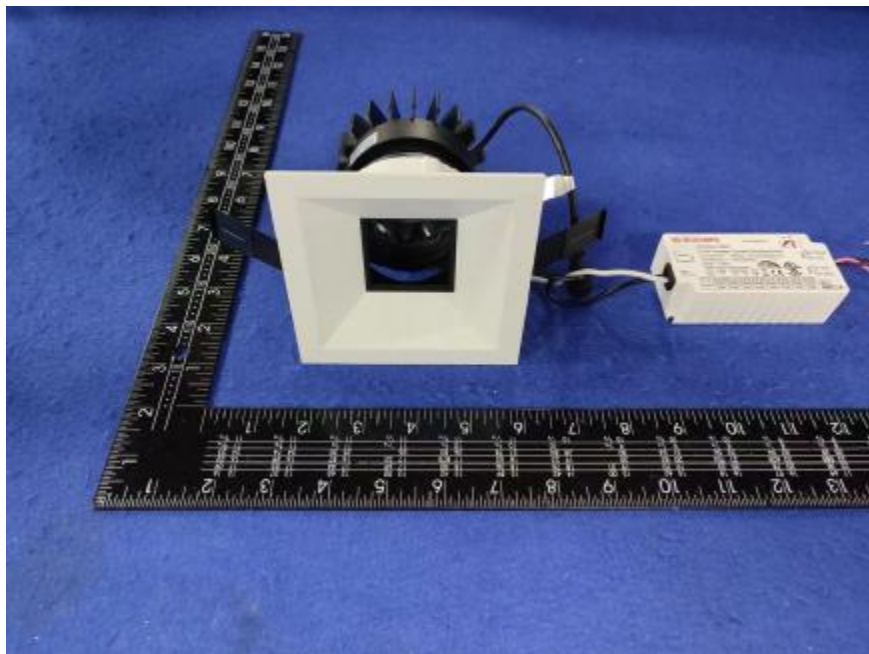


## Luminaire Photograph



Light Output Ratio:	64.0%	
Luminaire Power:	20.99 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: 2024-7-26

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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

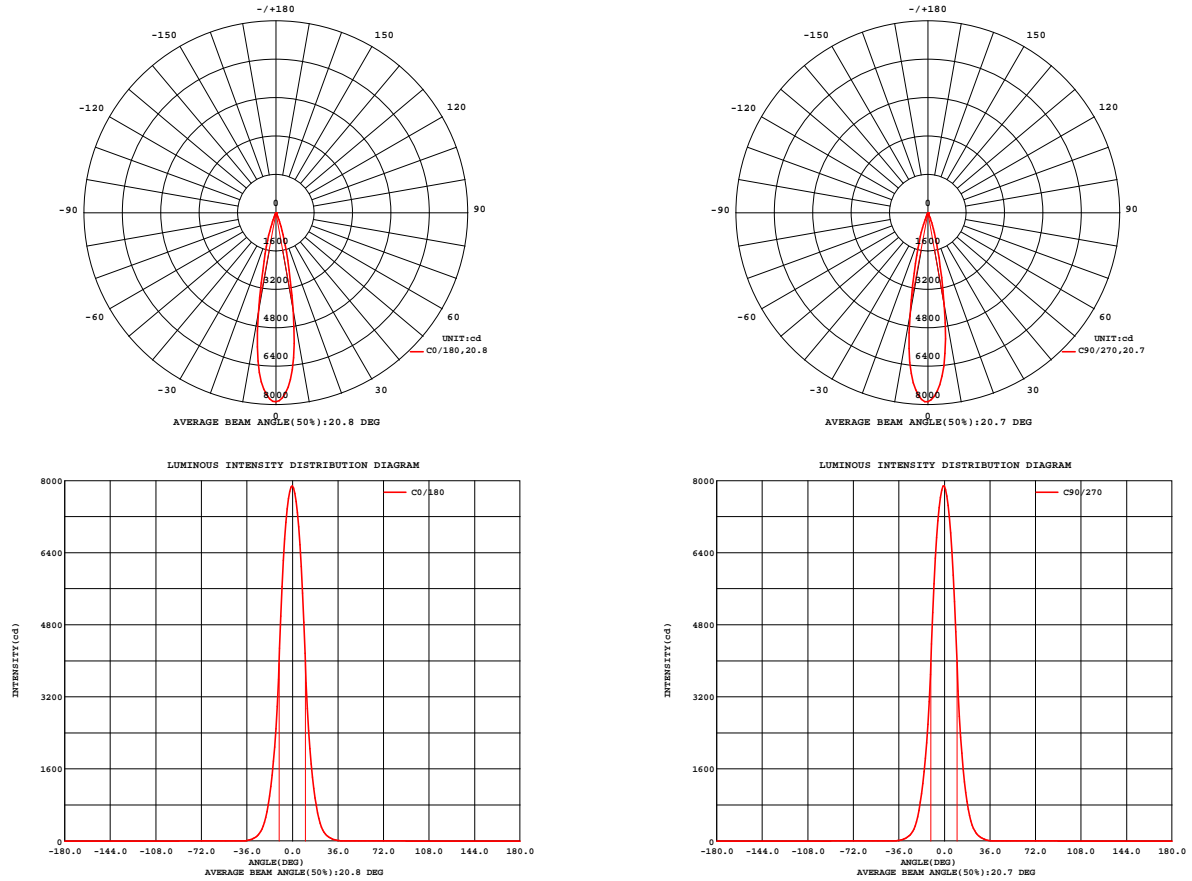


Fig. C0/C180

Fig. C90/C270

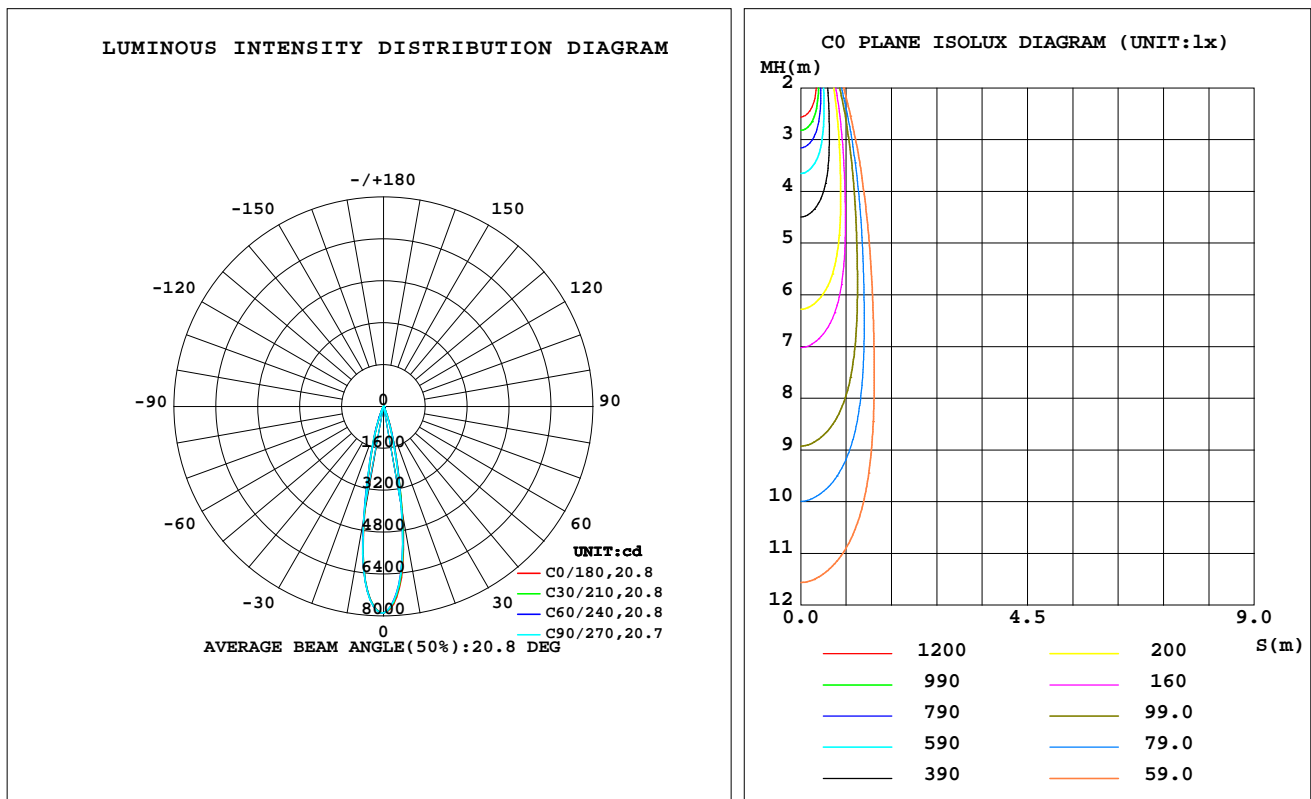
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-7-26

$\gamma$  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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.19V I:0.1755A P:20.993W PF:0.9940 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.121-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407260947
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.84 lm/W			
MODEL	Bridgelux	Imax(cd)	7879	S/MH(C0/180)	0.35
NOMINAL POWER(W)	20	LOR(%)	64.0	S/MH(C90/270)	0.36
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1214.2	$\eta$ UP,DN(C0-180)	0.0,30.9
NOMINAL FLUX(lm)	1897.7	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,33.1
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	$\eta$ down(%)	64.0	CIBSE SHR MAX	0.30



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-26

$\gamma$  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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

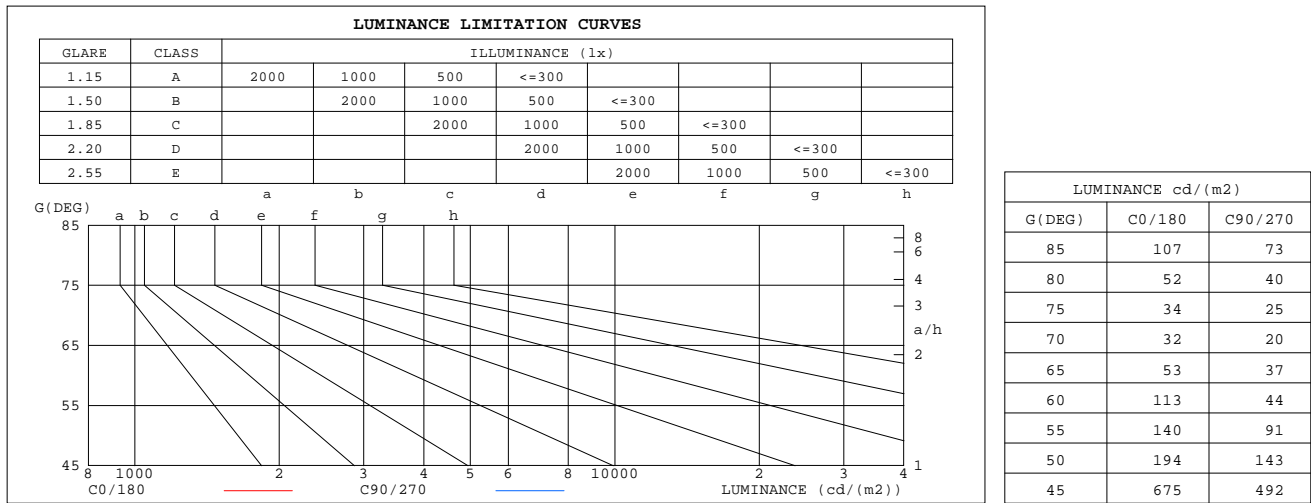
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	4169	4056	3967	4068	4282	4359	4375	4344	0- 10	577.0	577.0	47.5,30.4
20	623.9	601.7	564.0	605.2	651.6	689.0	679.2	690.0	10- 20	503.2	1080	89,56.9
30	65.08	74.38	59.23	76.68	67.52	83.69	70.17	82.38	20- 30	113.3	1194	98.3,62.9
40	5.197	6.667	4.371	5.850	4.451	7.092	5.233	7.008	30- 40	17.65	1211	99.8,63.8
50	0.7988	1.429	0.5886	0.8457	0.4356	1.323	0.8317	1.361	40- 50	2.322	1214	99.9,63.9
60	0.3618	0.3404	0.1414	0.1863	0.1816	0.2968	0.2849	0.3490	50- 60	0.4449	1214	100,64
70	0.0694	0.0371	0.0428	0.0559	0.0883	0.0447	0.0329	0.0397	60- 70	0.1309	1214	100,64
80	0.0583	0.0264	0.0447	0.0368	0.0524	0.0250	0.0350	0.0415	70- 80	0.0396	1214	100,64
90	0	0	0	0	0	0	0	0	80- 90	0.0325	1214	100,64
100	0	0	0	0	0	0	0	0	90-100	0	1214	100,64
110	0	0	0	0	0	0	0	0	100-110	0	1214	100,64
120	0	0	0	0	0	0	0	0	110-120	0	1214	100,64
130	0	0	0	0	0	0	0	0	120-130	0	1214	100,64
140	0	0	0	0	0	0	0	0	130-140	0	1214	100,64
150	0	0	0	0	0	0	0	0	140-150	0	1214	100,64
160	0	0	0	0	0	0	0	0	150-160	0	1214	100,64
170	0	0	0	0	0	0	0	0	160-170	0	1214	100,64
180	0	0	0	0	0	0	0	0	170-180	0	1214	100,64
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:zoe  
Test Date:2024-7-26

$\gamma$  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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:120.19V I:0.1755A P:20.993W PF:0.9940 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.121-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407260947
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-26

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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.19V I:0.1755A P:20.993W PF:0.9940 Freq:59.98Hz  
Lamp Flux:1897.7x1 lm

NAME: 2418.121-LEA-15

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

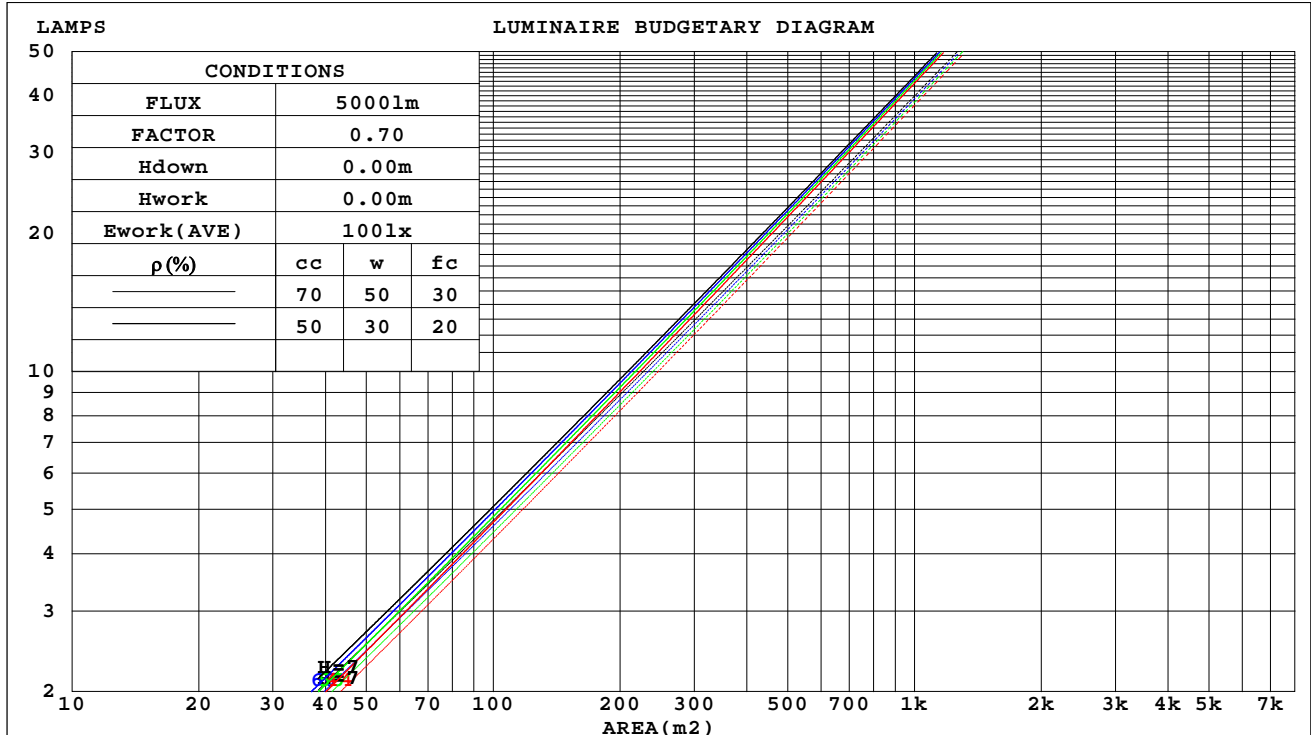
SERIAL No.: 2407260947

MFR.: RISE

SUR.: 0.0064m2

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	.76	.76	.76	.74	.74	.74	.71	.71	.71	.68	.68	.68	.65	.65	.65	.64
1.0	.73	.72	.71	.71	.70	.69	.69	.68	.67	.66	.66	.65	.64	.64	.63	.62
2.0	.70	.68	.67	.69	.67	.66	.67	.65	.64	.65	.64	.63	.63	.62	.62	.61
3.0	.67	.65	.64	.66	.65	.63	.65	.63	.62	.63	.62	.61	.62	.61	.60	.59
4.0	.65	.63	.61	.64	.62	.61	.63	.61	.60	.62	.61	.59	.61	.60	.59	.58
5.0	.63	.61	.59	.63	.60	.59	.62	.60	.58	.61	.59	.58	.60	.59	.57	.57
6.0	.61	.59	.57	.61	.59	.57	.60	.58	.57	.59	.58	.57	.59	.57	.56	.56
7.0	.60	.58	.56	.59	.57	.56	.59	.57	.56	.58	.57	.55	.58	.56	.55	.54
8.0	.58	.56	.55	.58	.56	.54	.58	.56	.54	.57	.55	.54	.57	.55	.54	.53
9.0	.57	.55	.53	.57	.55	.53	.56	.54	.53	.56	.54	.53	.56	.54	.53	.52
10.0	.56	.54	.52	.56	.54	.52	.55	.53	.52	.55	.53	.52	.55	.53	.52	.51



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-26

$\gamma$  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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up



## WEC AND CCEC

Test:U:120.19V I:0.1755A P:20.993W PF:0.9940 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.121-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407260947
MFR.: RISE	SUR.: 0.0064m2	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	.080	.045	.014	.075	.043	.014	.068	.039	.012	.060	.035	.011	.054	.031	.010	
2.0	.073	.040	.012	.070	.038	.012	.063	.035	.011	.057	.032	.010	.052	.029	.009	
3.0	.067	.036	.011	.065	.035	.010	.059	.032	.010	.054	.030	.009	.050	.028	.009	
4.0	.063	.033	.010	.060	.032	.009	.056	.030	.009	.052	.028	.008	.048	.026	.008	
5.0	.059	.030	.009	.057	.029	.008	.053	.028	.008	.049	.026	.008	.046	.025	.007	
6.0	.055	.028	.008	.054	.027	.008	.050	.026	.008	.047	.025	.007	.045	.023	.007	
7.0	.052	.026	.007	.051	.025	.007	.048	.024	.007	.045	.023	.007	.043	.022	.007	
8.0	.050	.024	.007	.048	.024	.007	.046	.023	.007	.044	.022	.006	.042	.021	.006	
9.0	.047	.023	.006	.046	.023	.006	.044	.022	.006	.042	.021	.006	.040	.020	.006	
10.0	.045	.022	.006	.044	.021	.006	.042	.021	.006	.041	.020	.006	.039	.020	.006	

$\rho_{cc}$	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	.122	.122	.122	.104	.104	.104	.071	.071	.071	.041	.041	.041	.013	.013	.013	
1.0	.107	.101	.095	.092	.087	.082	.063	.060	.057	.036	.034	.033	.012	.011	.011	
2.0	.095	.085	.076	.081	.073	.066	.056	.051	.046	.032	.029	.027	.010	.010	.009	
3.0	.085	.072	.062	.073	.062	.054	.050	.043	.038	.029	.025	.022	.009	.008	.007	
4.0	.077	.062	.052	.066	.054	.045	.045	.038	.032	.026	.022	.019	.008	.007	.006	
5.0	.069	.054	.043	.060	.047	.038	.041	.033	.027	.024	.019	.016	.008	.006	.005	
6.0	.063	.048	.037	.055	.041	.032	.038	.029	.023	.022	.017	.013	.007	.006	.004	
7.0	.058	.043	.031	.050	.037	.027	.035	.026	.019	.020	.015	.012	.007	.005	.004	
8.0	.054	.038	.027	.046	.033	.024	.032	.023	.017	.019	.014	.010	.006	.004	.003	
9.0	.050	.034	.024	.043	.030	.021	.030	.021	.015	.017	.012	.009	.006	.004	.003	
10.0	.047	.031	.021	.041	.027	.018	.028	.019	.013	.016	.011	.008	.005	.004	.003	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-26

$\gamma$  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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.19V I:0.1755A P:20.993W PF:0.9940 Freq:59.98Hz Lamp Flux:1897.7x1 lm										
NAME: 2418.121-LEA-15					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2407260947		
MFR.: RISE					SUR.: 0.0064m2			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	-2.6	-2.0	-2.4	-1.9	-1.7	-3.3	-2.8	-3.1	-2.6	-2.5
3H	-2.7	-2.2	-2.5	-2.0	-1.8	-3.5	-3.0	-3.3	-2.8	-2.6
4H	-2.8	-2.3	-2.6	-2.1	-1.9	-3.6	-3.1	-3.3	-2.8	-2.6
6H	-2.9	-2.4	-2.6	-2.2	-2.0	-3.6	-3.2	-3.4	-2.9	-2.7
8H	-2.9	-2.5	-2.7	-2.2	-2.0	-3.7	-3.2	-3.4	-3.0	-2.7
12H	-3.0	-2.5	-2.7	-2.3	-2.0	-3.7	-3.3	-3.4	-3.0	-2.8
4H 2H	-2.8	-2.3	-2.6	-2.1	-1.9	-3.6	-3.0	-3.3	-2.8	-2.6
3H	-3.0	-2.5	-2.7	-2.3	-2.0	-3.7	-3.3	-3.4	-3.0	-2.8
4H	-3.1	-2.7	-2.7	-2.4	-2.1	-3.8	-3.4	-3.5	-3.1	-2.8
6H	-3.2	-2.8	-2.8	-2.5	-2.1	-3.9	-3.6	-3.6	-3.2	-2.9
8H	-3.2	-2.9	-2.8	-2.5	-2.2	-4.0	-3.6	-3.6	-3.3	-2.9
12H	-3.3	-3.0	-2.9	-2.6	-2.2	-4.0	-3.7	-3.6	-3.3	-3.0
8H 4H	-3.2	-2.9	-2.9	-2.5	-2.2	-4.0	-3.6	-3.6	-3.3	-2.9
6H	-3.4	-3.1	-2.9	-2.7	-2.3	-4.1	-3.8	-3.7	-3.4	-3.0
8H	-3.4	-3.2	-3.0	-2.7	-2.3	-4.2	-3.9	-3.7	-3.5	-3.0
12H	-3.5	-3.2	-3.0	-2.8	-2.3	-4.2	-4.0	-3.7	-3.5	-3.1
12H 4H	-3.3	-3.0	-2.9	-2.6	-2.2	-4.0	-3.7	-3.6	-3.4	-3.0
6H	-3.4	-3.2	-3.0	-2.7	-2.3	-4.2	-3.9	-3.7	-3.5	-3.0
8H	-3.5	-3.3	-3.0	-2.8	-2.3	-4.2	-4.0	-3.8	-3.6	-3.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.1 / - 9.7					+ 3.3 / -11.3				
1.5H	+ 4.9 / - 9.4					+ 5.1 / -10.3				
2.0H	+ 5.7 / - 5.7					+ 5.8 / - 8.9				

CIE Pub.117, 1898 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.2)  
Area: 0.0064 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-26

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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:120.19V I:0.1755A P:20.993W PF:0.9940 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.121-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407260947
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:

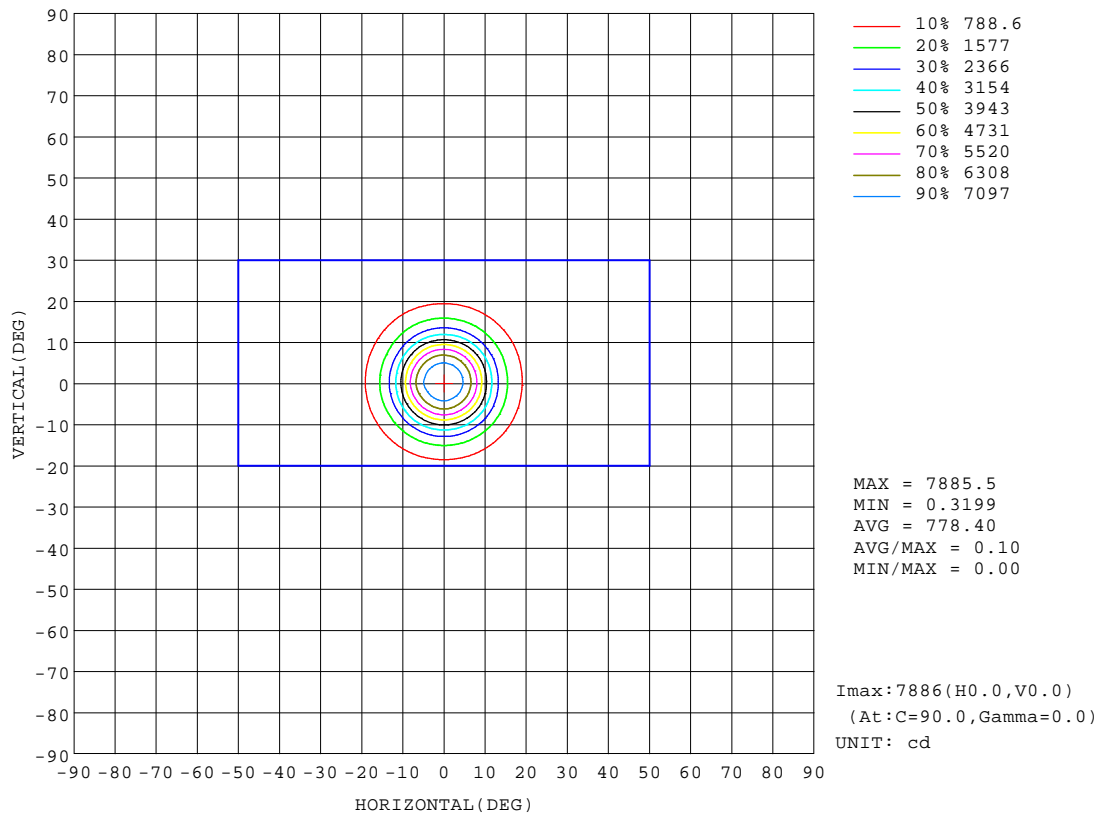
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	55	53	58	55	53	58	55	53	51
0.80	63	60	58	62	59	57	62	59	57	55
1.00	65	62	60	65	62	60	64	62	60	57
1.25	67	65	63	67	64	62	66	63	62	59
1.50	69	66	64	68	66	64	67	65	63	61
2.00	70	68	66	69	67	66	68	66	65	62
2.50	71	69	67	70	68	67	68	67	66	62
3.00	72	70	69	71	69	68	69	68	67	63
4.00	73	72	71	72	71	70	70	69	68	63
5.00	74	73	72	73	72	71	70	69	69	64
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°C  
Operators:zoe  
Test Date:2024-7-26

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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:120.19V I:0.1755A P:20.993W PF:0.9940 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.121-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407260947
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:

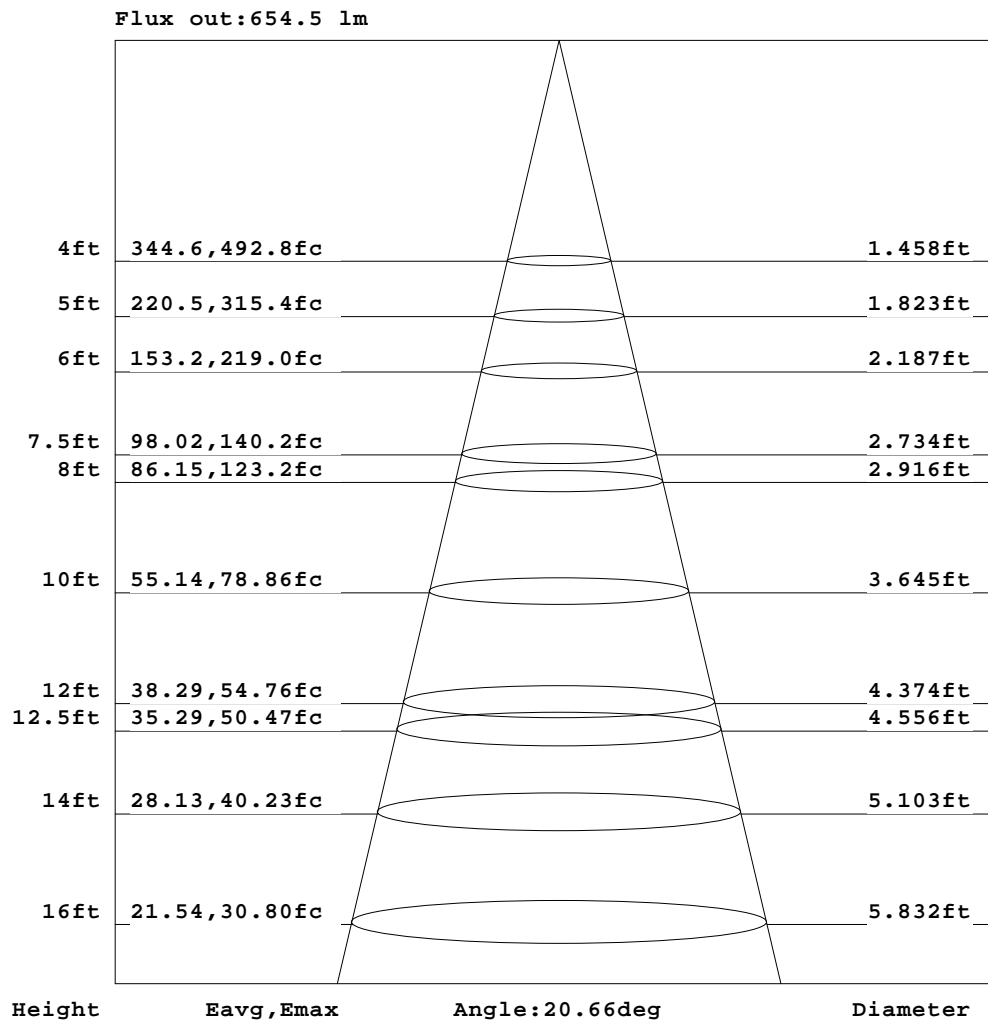


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-26

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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## AAI Figure

Test:U:120.19V I:0.1755A P:20.993W PF:0.9940 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.121-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407260947
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:



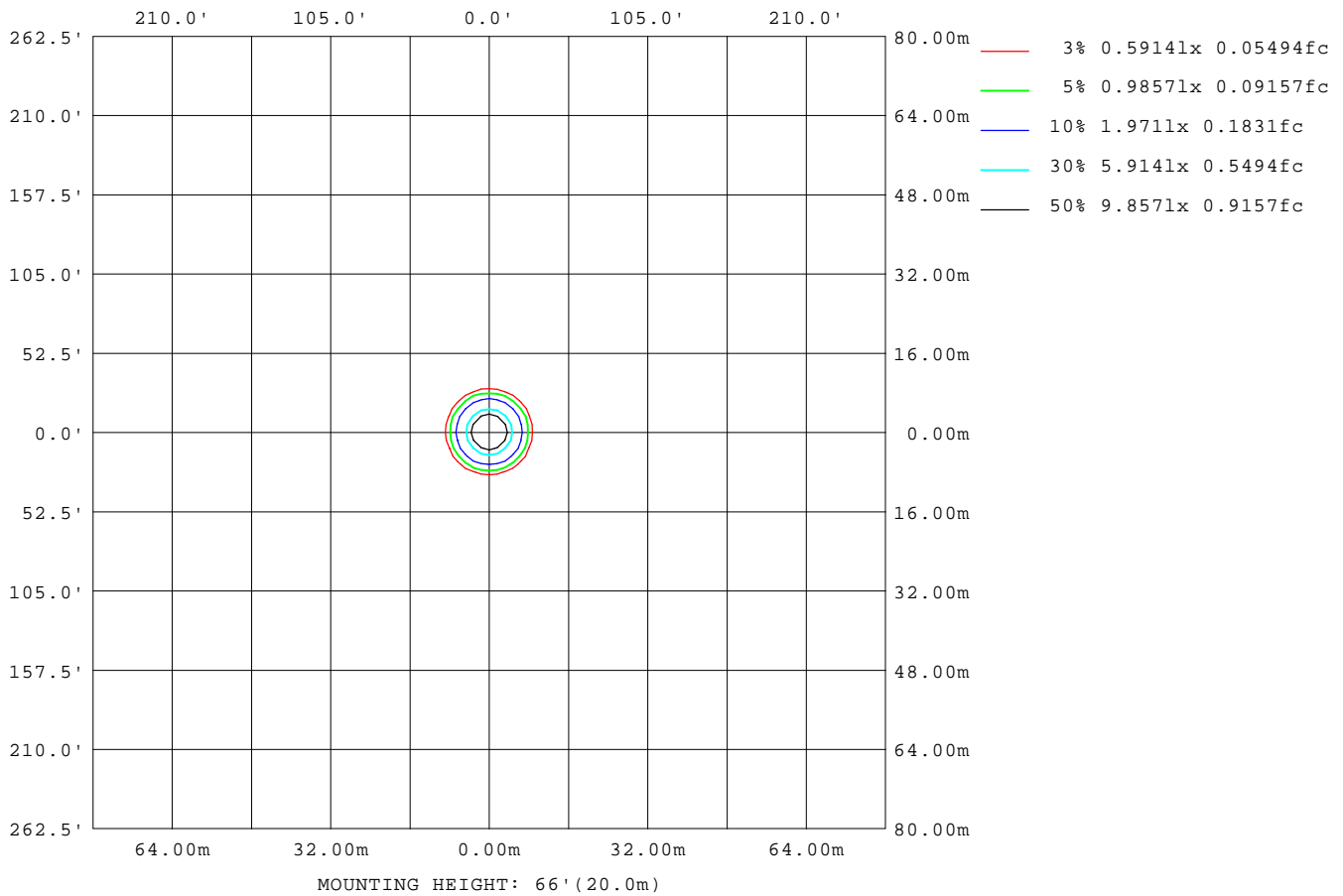
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2024-7-26

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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:120.19V I:0.1755A P:20.993W PF:0.9940 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.121-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407260947
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:zoe  
Test Date:2024-7-26

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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## LED Avg.L Report

Test:U:120.19V I:0.1755A P:20.993W PF:0.9940 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.121-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407260947
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:

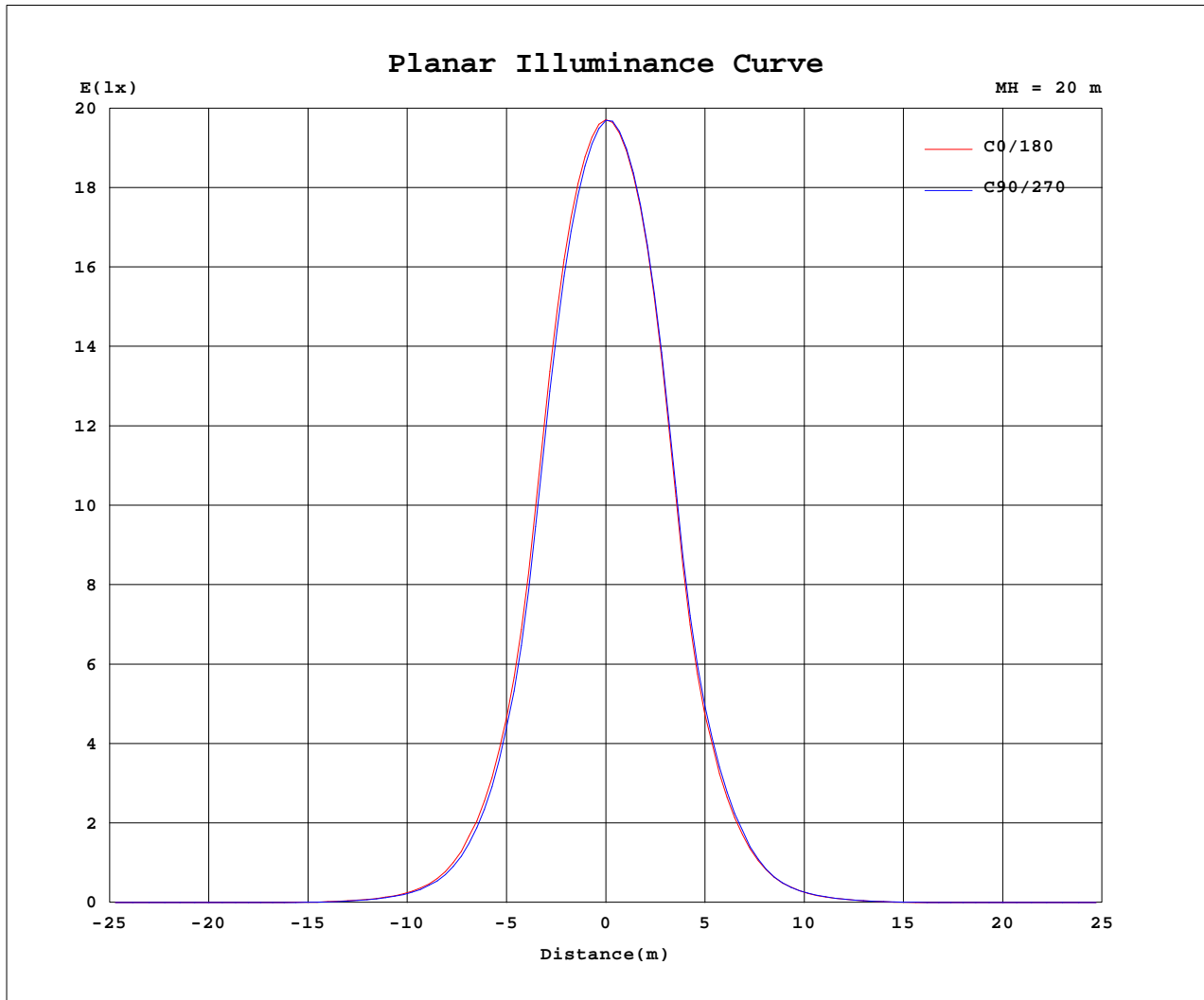
AvgL	cd/m2
L_0~180(65)av	56
L_0~180(75)av	31
L_0~180(85)av	98
L_90~270(65)av	31
L_90~270(75)av	21
L_90~270(85)av	68
L_45(65)av	43
L_45(75)av	17
L_45(85)av	36

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-26

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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
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: 2024-7-26

$\gamma$  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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.19V I:0.1755A P:20.993W PF:0.9940 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.121-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407260947
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	7879	7879	7879	7879	7879	7879	7879	7879	7879	7879	7879	7879						
5	6976	6881	6811	6838	6840	6915	7076	7063	7096	7109	7070	7043						
10	4169	4108	4003	3967	4017	4119	4282	4319	4399	4375	4373	4315						
15	1710	1689	1613	1595	1613	1664	1773	1758	1864	1836	1855	1779						
20	624	618	586	564	593	617	652	667	711	679	698	682						
25	197	217	200	179	205	219	212	236	233	207	238	230						
30	65.1	76.1	72.7	59.2	76.6	76.7	67.5	85.4	82.0	70.2	83.7	81.1						
35	17.2	27.6	25.6	13.9	26.5	26.9	17.2	29.6	29.4	18.1	30.3	27.6						
40	5.20	7.49	5.84	4.37	5.88	5.82	4.45	7.51	6.67	5.23	7.83	6.19						
45	3.05	3.52	3.15	2.23	2.79	2.73	2.45	2.96	3.52	3.07	3.32	3.14						
50	0.80	1.77	1.09	0.59	0.51	1.18	0.44	1.26	1.39	0.83	1.36	1.37						
55	0.51	0.59	0.60	0.33	0.24	0.23	0.26	0.43	0.64	0.54	0.48	0.51						
60	0.36	0.40	0.28	0.14	0.17	0.20	0.18	0.28	0.31	0.28	0.31	0.39						
65	0.14	0.16	0.06	0.10	0.12	0.16	0.16	0.09	0.06	0.07	0.09	0.19						
70	0.07	0.04	0.03	0.04	0.03	0.08	0.09	0.06	0.03	0.03	0.04	0.04						
75	0.06	0.03	0.03	0.04	0.03	0.03	0.05	0.03	0.02	0.03	0.03	0.03						
80	0.06	0.03	0.02	0.04	0.04	0.03	0.05	0.03	0.02	0.04	0.06	0.02						
85	0.06	0.03	0.01	0.04	0.05	0.02	0.05	0.02	0.01	0.03	0.01	0.03						
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:2024-7-26

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-1083 15R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up