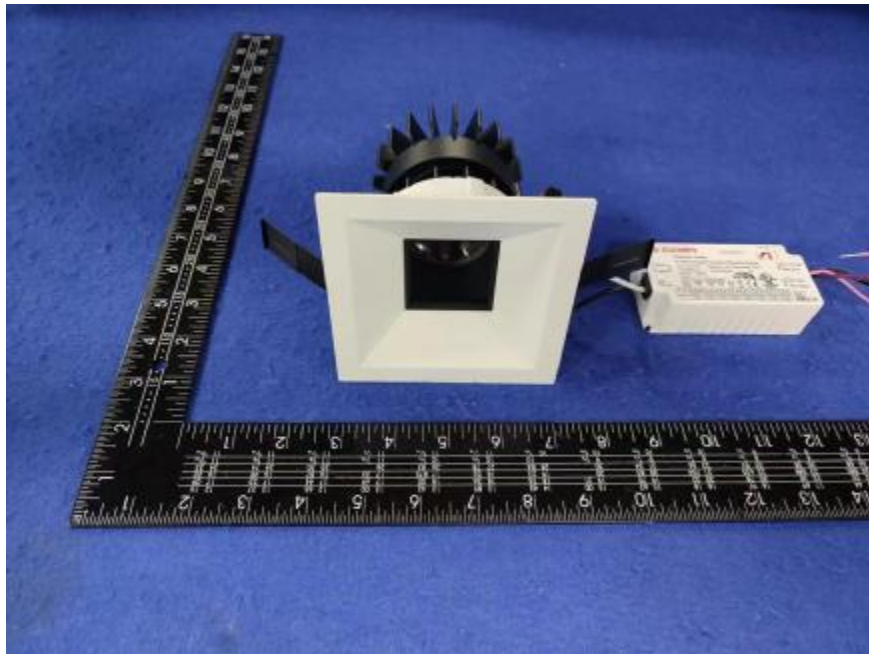


## Luminaire Photograph



Light Output Ratio:	78.5%	
Luminaire Power:	20.99 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-7-25

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-1083B 36R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

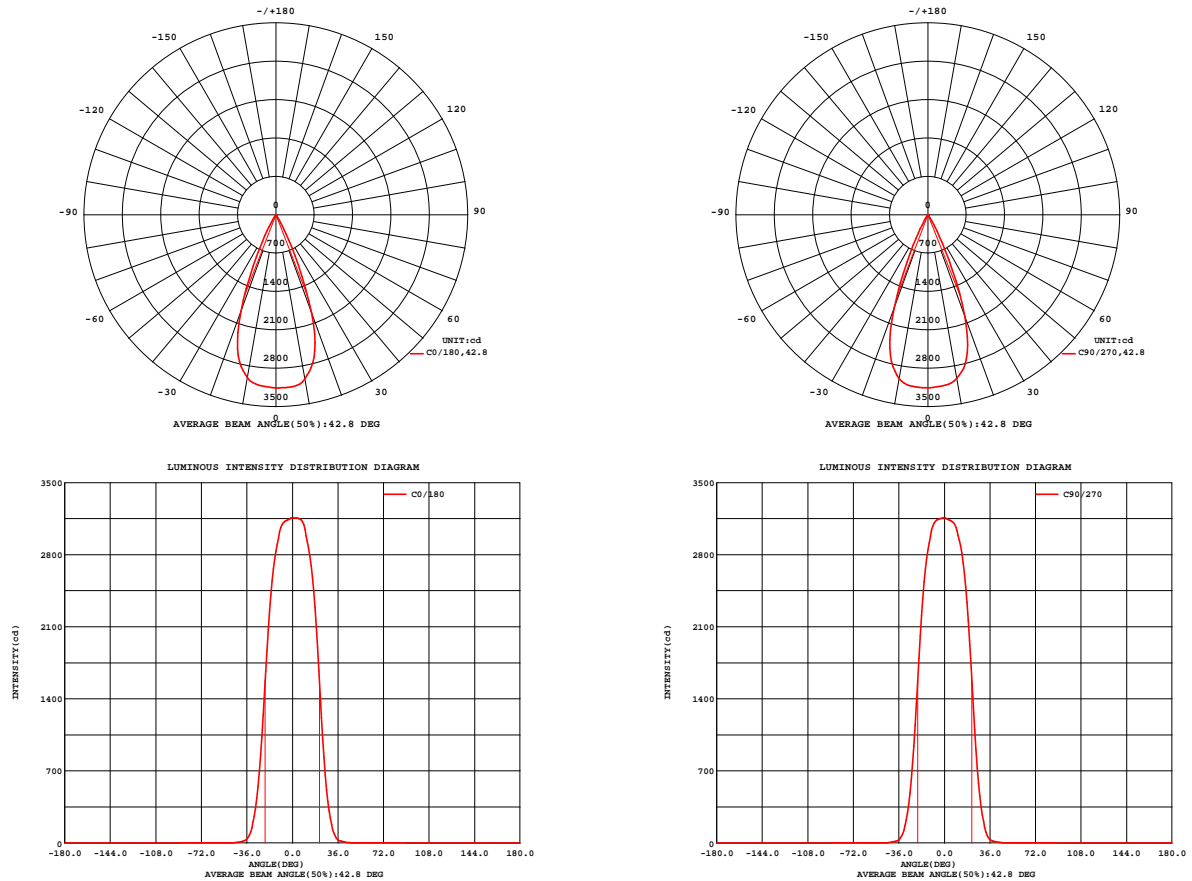


Fig. C0/C180

Fig. C90/C270

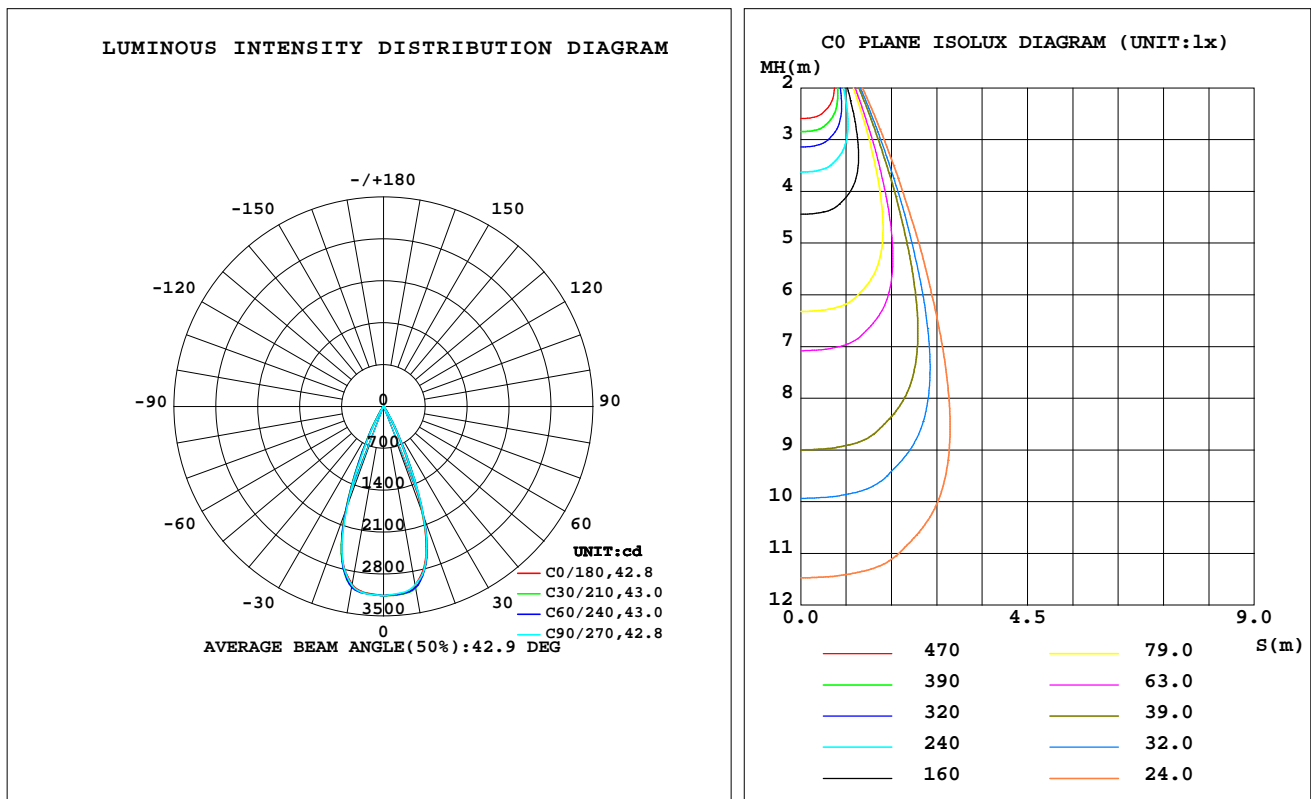
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-25

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-1083B 36R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.08V I:0.1757A P:20.988W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.120-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407250945
MFR.: RISE	SUR.: 0.001936m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 70.97 lm/W			
MODEL	Bridgelux	I <sub>max</sub> (cd)	3159	S/MH(C0/180)	0.63
NOMINAL POWER(W)	20	LOR(%)	78.5	S/MH(C90/270)	0.62
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1489.6	η UP,DN(C0-180)	0.0,39.7
NOMINAL FLUX(lm)	1897.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,38.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	78.5	CIBSE SHR MAX	0.65



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-25

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-1083B 36R  
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	3043	3079	3031	3020	3019	3063	3038	3082	0- 10	297.4	297.4	20,15.7
20	1898	1956	1964	1872	1869	1845	1795	1865	10- 20	723.2	1021	68.5,53.8
30	237.7	297.6	269.7	278.7	259.6	272.0	221.1	249.6	20- 30	411.4	1432	96.1,75.5
40	12.89	15.61	13.50	15.95	14.30	15.85	12.75	14.30	30- 40	52.91	1485	99.7,78.2
50	0.5205	1.161	0.6091	1.170	0.5737	1.034	0.5089	0.9226	40- 50	4.231	1489	100,78.5
60	0.1456	0.1495	0.1611	0.1709	0.1720	0.1554	0.1540	0.1420	50- 60	0.3028	1489	100,78.5
70	0.0828	0.0690	0.0828	0.0788	0.0999	0.0774	0.0921	0.0697	60- 70	0.1072	1489	100,78.5
80	0.0630	0.0380	0.0490	0.0416	0.0737	0.0442	0.0584	0.0378	70- 80	0.0664	1490	100,78.5
90	0	0	0	0	0	0	0	0	80- 90	0.0313	1490	100,78.5
100	0	0	0	0	0	0	0	0	90-100	0	1490	100,78.5
110	0	0	0	0	0	0	0	0	100-110	0	1490	100,78.5
120	0	0	0	0	0	0	0	0	110-120	0	1490	100,78.5
130	0	0	0	0	0	0	0	0	120-130	0	1490	100,78.5
140	0	0	0	0	0	0	0	0	130-140	0	1490	100,78.5
150	0	0	0	0	0	0	0	0	140-150	0	1490	100,78.5
160	0	0	0	0	0	0	0	0	150-160	0	1490	100,78.5
170	0	0	0	0	0	0	0	0	160-170	0	1490	100,78.5
180	0	0	0	0	0	0	0	0	170-180	0	1490	100,78.5
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-25

$\gamma$  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-1083B 36R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:120.08V I:0.1757A P:20.988W PF:0.9935 Freq:59.98Hz  
Lamp Flux:1897.7x1 lm

NAME: 2418.120-LEA-15

TYPE:

WEIGHT:

SPEC.: 3000K

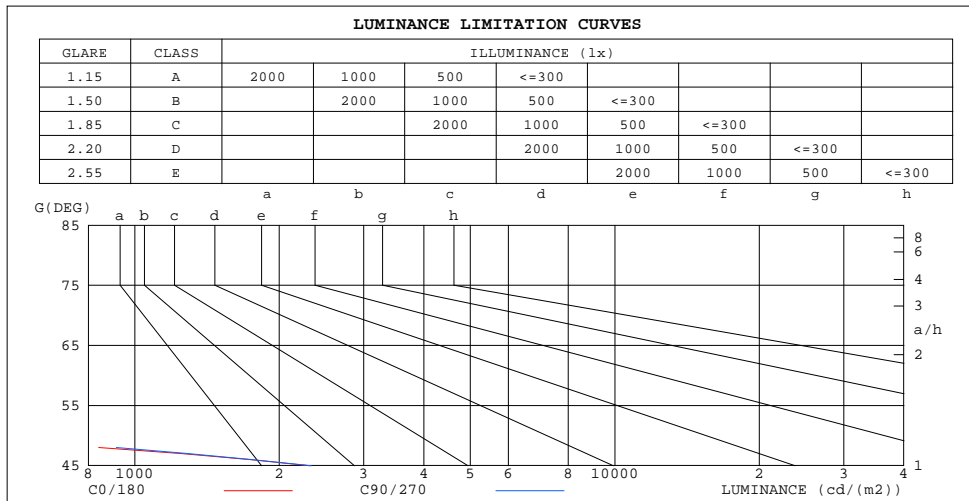
DIM.:

SERIAL No.: 2407250945

MFR.: RISE

SUR.: 0.001936m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	278	202
80	187	146
75	142	134
70	125	125
65	127	129
60	150	166
55	215	242
50	418	490
45	2317	2332

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-25

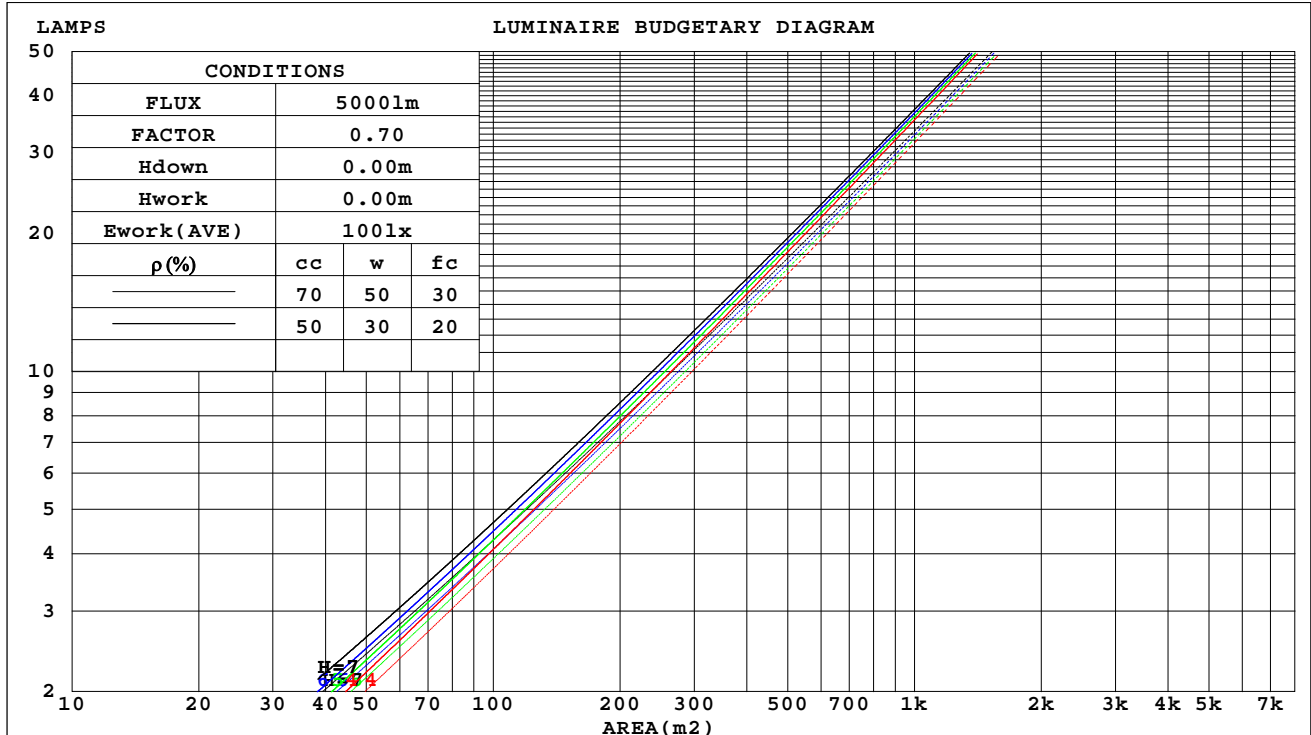
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS;PM-1083B 36R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.08V I:0.1757A P:20.988W PF:0.9935 Freq:59.98Hz  
Lamp Flux:1897.7x1 lm

NAME: 2418.120-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407250945
MFR.: RISE	SUR.: 0.001936m2	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	.93	.93	.93	.91	.91	.91	.87	.87	.87	.84	.84	.84	.80	.80	.80	.78														
1.0	.88	.87	.85	.87	.85	.84	.83	.82	.81	.80	.80	.79	.78	.77	.77	.75														
2.0	.84	.81	.79	.82	.80	.78	.80	.78	.76	.78	.76	.75	.75	.74	.73	.72														
3.0	.79	.76	.74	.78	.76	.73	.76	.74	.72	.75	.73	.71	.73	.71	.70	.69														
4.0	.76	.72	.70	.75	.72	.69	.73	.71	.69	.72	.70	.68	.71	.69	.67	.66														
5.0	.72	.69	.66	.72	.68	.66	.70	.68	.65	.69	.67	.65	.68	.66	.64	.63														
6.0	.69	.66	.63	.69	.65	.63	.68	.65	.63	.67	.64	.62	.66	.64	.62	.61														
7.0	.67	.63	.60	.66	.63	.60	.65	.62	.60	.64	.62	.60	.64	.61	.59	.58														
8.0	.64	.60	.58	.64	.60	.58	.63	.60	.57	.62	.59	.57	.61	.59	.57	.56														
9.0	.62	.58	.55	.61	.58	.55	.61	.57	.55	.60	.57	.55	.59	.57	.55	.54														
10.0	.59	.56	.53	.59	.56	.53	.58	.55	.53	.58	.55	.53	.57	.55	.53	.52														



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-25

$\gamma$  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-1083B 36R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

### WEC AND CCEC

Test:U:120.08V I:0.1757A P:20.988W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.120-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407250945
MFR.: RISE	SUR.: 0.001936m2	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	.116	.066	.021	.111	.063	.020	.101	.058	.018	.092	.053	.017	.084	.048	.016	
2.0	.108	.059	.018	.104	.057	.018	.096	.053	.017	.088	.050	.016	.082	.046	.015	
3.0	.102	.054	.016	.098	.053	.016	.091	.050	.015	.085	.047	.014	.079	.044	.014	
4.0	.096	.050	.015	.093	.049	.014	.087	.046	.014	.082	.044	.013	.077	.042	.013	
5.0	.091	.046	.013	.089	.045	.013	.084	.044	.013	.079	.042	.012	.075	.040	.012	
6.0	.087	.044	.012	.085	.043	.012	.080	.041	.012	.076	.040	.012	.073	.038	.011	
7.0	.083	.041	.012	.081	.040	.012	.077	.039	.011	.074	.038	.011	.070	.037	.011	
8.0	.080	.039	.011	.078	.038	.011	.074	.037	.011	.071	.036	.010	.068	.035	.010	
9.0	.076	.037	.010	.075	.036	.010	.072	.036	.010	.069	.035	.010	.066	.034	.010	
10.0	.074	.035	.010	.072	.035	.010	.069	.034	.010	.067	.033	.009	.065	.033	.009	

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	.150	.150	.150	.128	.128	.128	.087	.087	.087	.050	.050	.050	.016	.016	.016		
1.0	.133	.124	.116	.114	.106	.099	.078	.073	.069	.045	.042	.040	.014	.014	.013		
2.0	.119	.104	.092	.102	.090	.079	.070	.062	.055	.040	.036	.032	.013	.012	.011		
3.0	.108	.089	.074	.092	.077	.064	.064	.053	.045	.037	.031	.026	.012	.010	.009		
4.0	.099	.077	.061	.085	.067	.053	.058	.046	.037	.034	.027	.022	.011	.009	.007		
5.0	.091	.068	.050	.078	.058	.044	.054	.041	.031	.031	.024	.018	.010	.008	.006		
6.0	.084	.060	.042	.072	.052	.037	.050	.036	.026	.029	.021	.016	.009	.007	.005		
7.0	.079	.054	.036	.068	.046	.031	.047	.033	.022	.027	.019	.013	.009	.006	.004		
8.0	.074	.048	.031	.064	.042	.027	.044	.030	.019	.026	.017	.011	.008	.006	.004		
9.0	.070	.044	.027	.060	.038	.023	.042	.027	.017	.024	.016	.010	.008	.005	.003		
10.0	.066	.041	.024	.057	.035	.021	.040	.025	.015	.023	.015	.009	.007	.005	.003		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-25

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-1083B 36R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.08V I:0.1757A P:20.988W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm										
NAME: 2418.120-LEA-15					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2407250945		
MFR.: RISE					SUR.: 0.001936m2			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	8.2	8.9	8.4	9.0	9.2	8.6	9.3	8.8	9.4	9.6
3H	8.0	8.7	8.2	8.9	9.1	8.4	9.1	8.6	9.3	9.5
4H	7.9	8.6	8.2	8.8	9.0	8.3	9.0	8.6	9.2	9.4
6H	7.8	8.4	8.1	8.7	8.9	8.2	8.8	8.5	9.1	9.3
8H	7.8	8.4	8.1	8.6	8.9	8.2	8.8	8.5	9.0	9.3
12H	7.7	8.3	8.1	8.6	8.8	8.1	8.7	8.5	9.0	9.2
4H 2H	7.9	8.6	8.2	8.8	9.0	8.3	9.0	8.6	9.2	9.4
3H	7.7	8.3	8.1	8.6	8.8	8.1	8.7	8.5	9.0	9.2
4H	7.7	8.2	8.0	8.5	8.8	8.1	8.6	8.4	8.9	9.2
6H	7.6	8.0	7.9	8.3	8.7	8.0	8.4	8.3	8.7	9.1
8H	7.5	7.9	7.9	8.3	8.6	7.9	8.3	8.3	8.7	9.0
12H	7.4	7.8	7.8	8.2	8.6	7.8	8.2	8.3	8.6	9.0
8H 4H	7.5	7.9	7.9	8.3	8.6	7.9	8.3	8.3	8.7	9.0
6H	7.4	7.7	7.8	8.1	8.5	7.8	8.1	8.2	8.5	8.9
8H	7.3	7.6	7.8	8.1	8.5	7.7	8.0	8.2	8.5	8.9
12H	7.3	7.5	7.7	8.0	8.4	7.7	7.9	8.1	8.4	8.8
12H 4H	7.4	7.8	7.8	8.2	8.6	7.8	8.2	8.3	8.6	9.0
6H	7.3	7.6	7.8	8.1	8.5	7.7	8.0	8.2	8.5	8.9
8H	7.3	7.5	7.7	8.0	8.4	7.7	7.9	8.1	8.4	8.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.2 / -18.2					+ 3.6 / -18.0				
1.5H	+ 5.8 / -17.3					+ 6.3 / -17.0				
2.0H	+ 7.1 / - 7.7					+ 7.0 / - 7.4				

CIE Pub.117, 1898 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.2)  
Area: 0.001936 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-25

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-1083B 36R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:120.08V I:0.1757A P:20.988W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.120-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407250945
MFR.: RISE	SUR.: 0.001936m2	Shielding Angle:

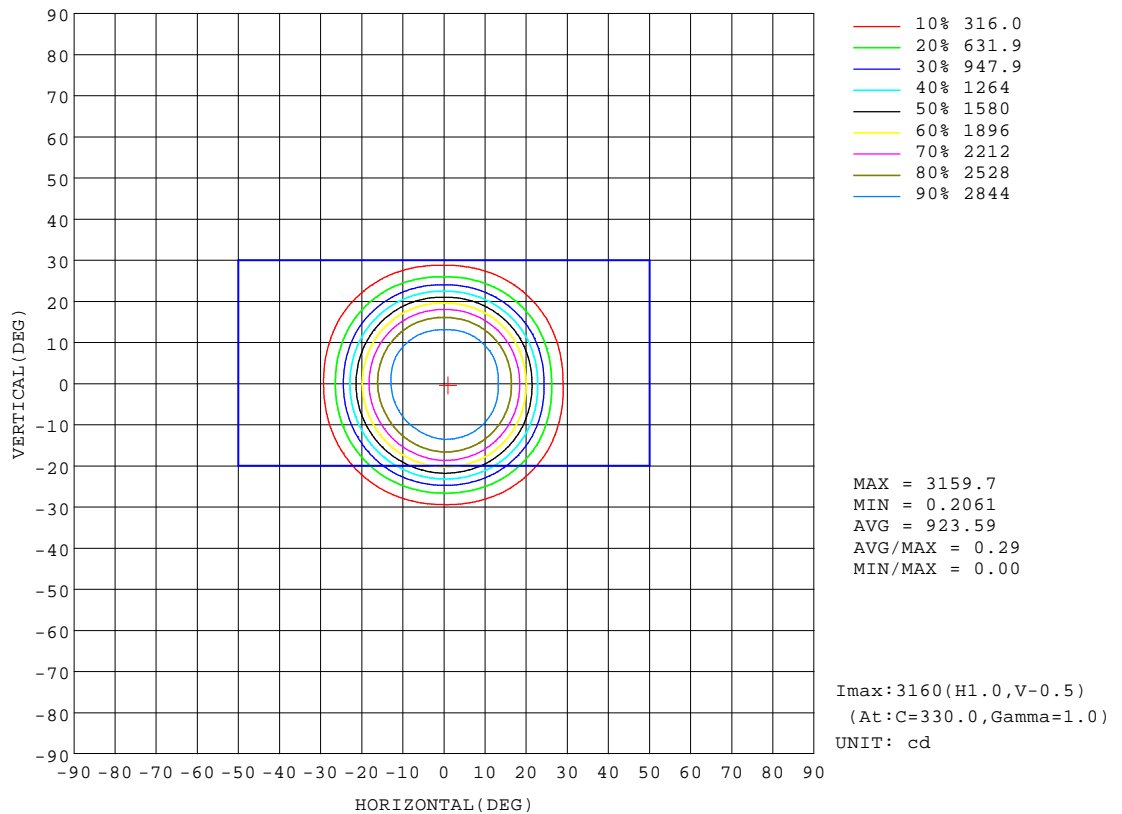
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	72	67	65	71	67	65	71	67	65	62
0.80	77	73	71	77	73	70	76	72	70	68
1.00	80	76	74	79	76	73	78	76	73	70
1.25	83	79	77	82	79	76	81	78	76	73
1.50	85	81	79	84	81	79	82	80	78	75
2.00	86	83	81	85	83	81	83	81	79	76
2.50	87	85	83	86	84	82	84	82	81	76
3.00	88	86	84	87	85	83	85	83	82	77
4.00	90	88	87	88	87	85	86	84	83	78
5.00	91	89	88	89	88	87	86	85	84	79
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:2024-7-25

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-1083B 36R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:120.08V I:0.1757A P:20.988W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.120-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407250945
MFR.: RISE	SUR.: 0.001936m2	Shielding Angle:



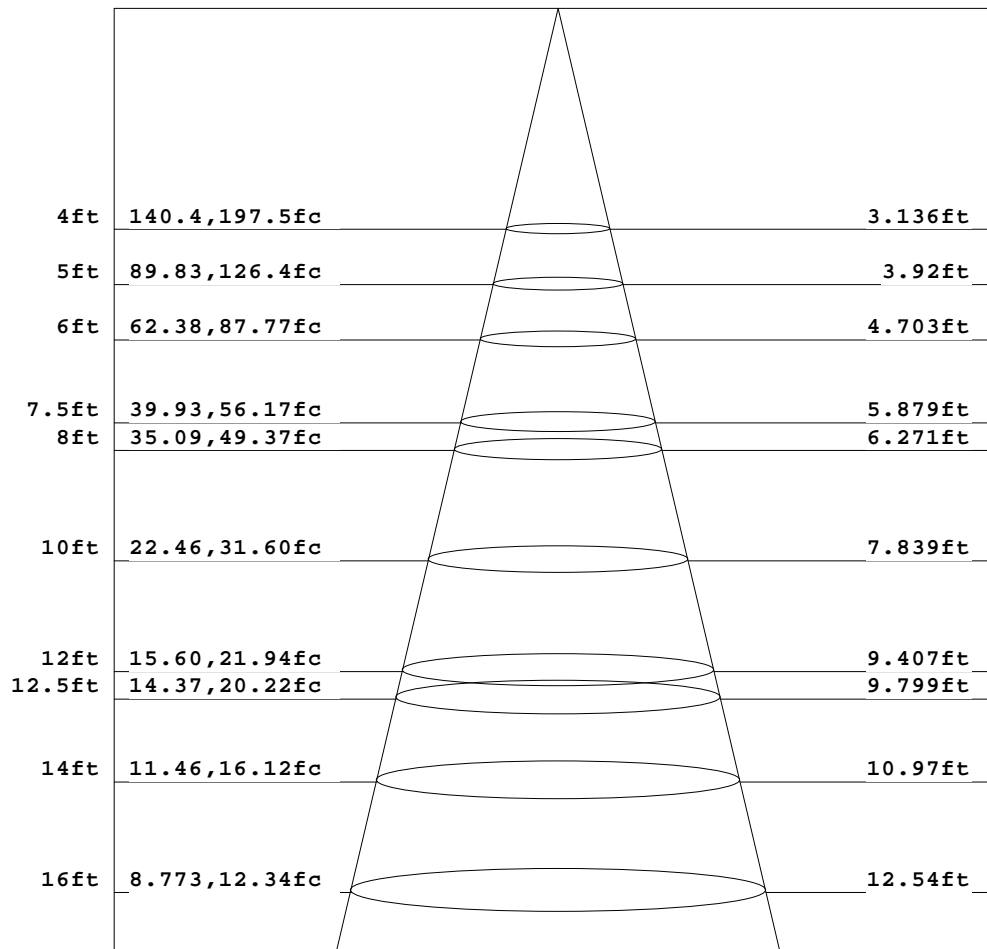
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-25

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-1083B 36R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## AAI Figure

Test:U:120.08V I:0.1757A P:20.988W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.120-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407250945
MFR.: RISE	SUR.: 0.001936m2	Shielding Angle:

Flux out:1152 lm



Height Eavg, Emax Angle:42.81deg Diameter

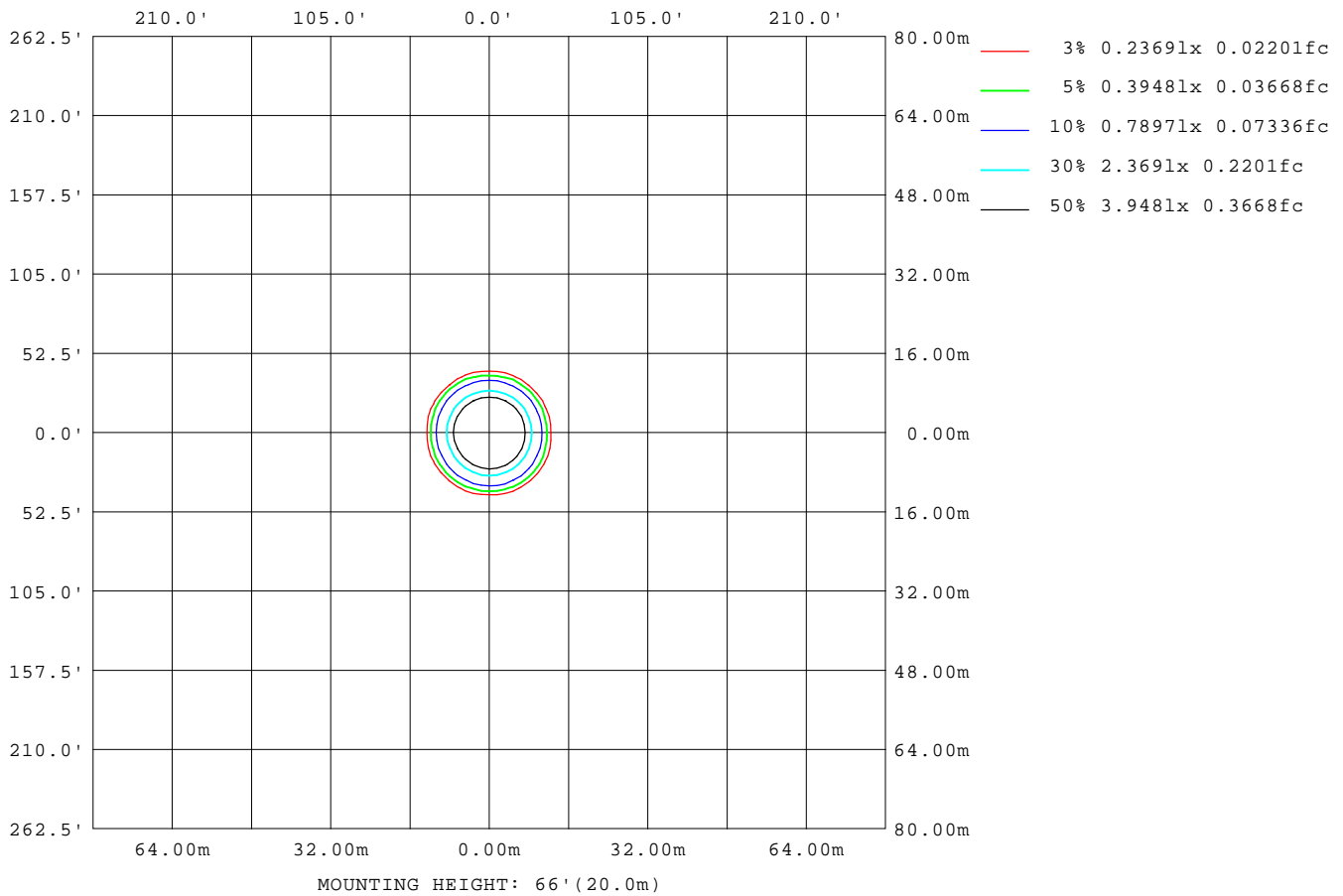
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-25

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-1083B 36R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:120.08V I:0.1757A P:20.988W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.120-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407250945
MFR.: RISE	SUR.: 0.001936m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:zoe  
Test Date:2024-7-25

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-1083B 36R  
DRIVER: PUP20A-1WMC 500mA  
30minutes warm-up

## LED Avg.L Report

Test:U:120.08V I:0.1757A P:20.988W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.120-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407250945
MFR.: RISE	SUR.: 0.001936m2	Shielding Angle:

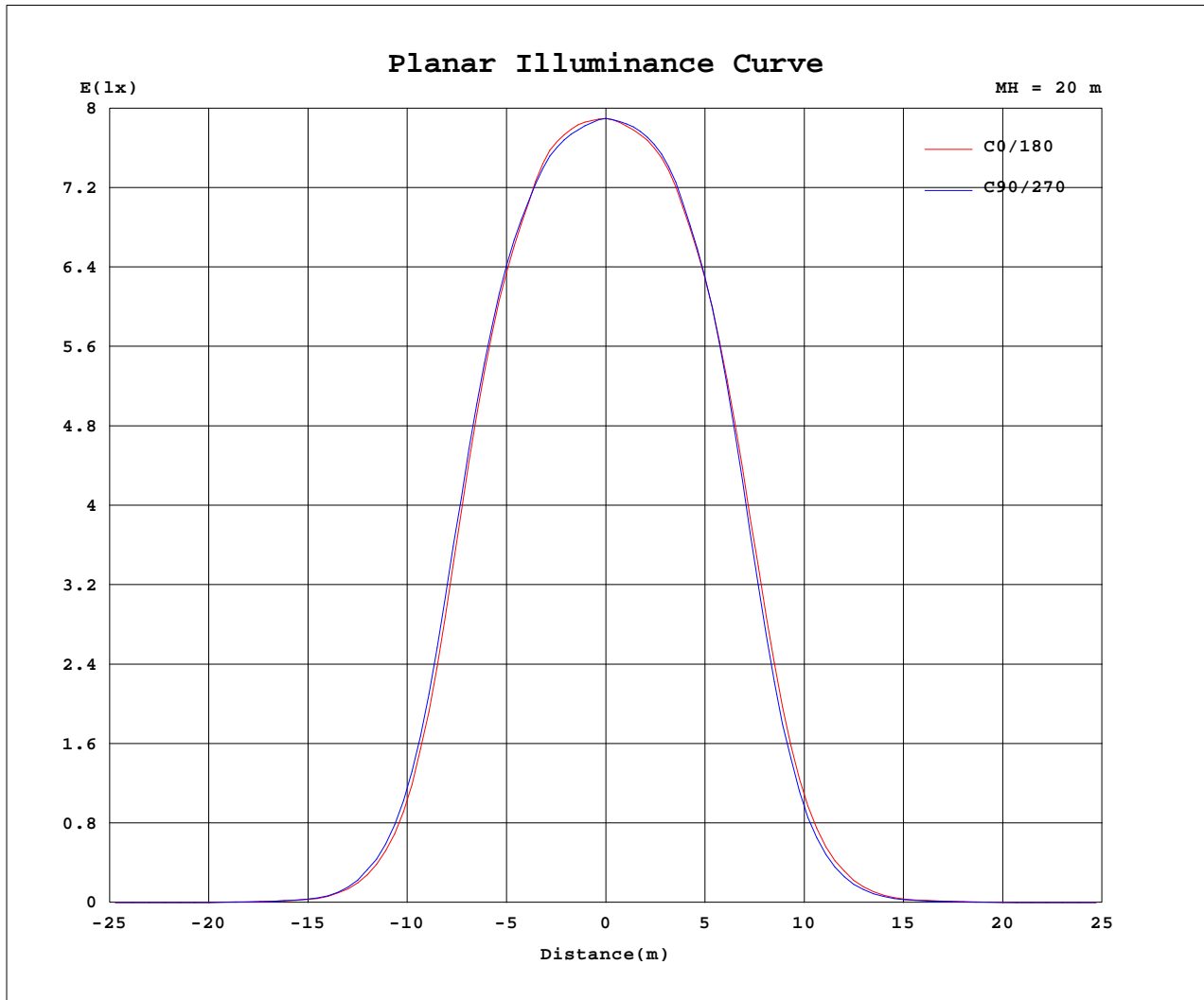
AvgL	cd/m2
L_0~180(65)av	139
L_0~180(75)av	156
L_0~180(85)av	303
L_90~270(65)av	132
L_90~270(75)av	145
L_90~270(85)av	196
L_45(65)av	121
L_45(75)av	109
L_45(85)av	103

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-25

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-1083B 36R  
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: 2024-7-25

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-1083B 36R  
 DRIVER: PUP20A-1WMC 500mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.08V I:0.1757A P:20.988W PF:0.9935 Freq:59.98Hz Lamp Flux:1897.7x1 lm		
NAME: 2418.120-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407250945
MFR.: RISE	SUR.: 0.001936m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3159	3159	3159	3159	3159	3159	3159	3159	3159	3159	3159	3159						
5	3151	3148	3143	3130	3119	3120	3128	3137	3140	3142	3150	3158						
10	3043	3083	3074	3031	3017	3023	3019	3060	3066	3038	3071	3092						
15	2693	2724	2738	2722	2676	2645	2663	2683	2680	2659	2689	2710						
20	1898	1936	1977	1964	1892	1852	1869	1856	1833	1795	1838	1891						
25	831	919	939	900	906	868	849	879	835	779	817	861						
30	238	295	300	270	280	277	260	282	262	221	245	254						
35	45.3	77.1	77.9	50.4	75.0	72.2	54.2	75.1	67.5	44.4	63.1	63.4						
40	12.9	16.1	15.2	13.5	15.8	16.1	14.3	16.1	15.6	12.8	15.0	13.7						
45	3.17	5.56	5.19	3.19	5.38	5.42	3.50	5.13	5.47	3.10	5.37	4.29						
50	0.52	1.23	1.09	0.61	1.18	1.16	0.57	1.15	0.92	0.51	0.99	0.86						
55	0.24	0.26	0.27	0.27	0.29	0.29	0.27	0.27	0.25	0.24	0.24	0.23						
60	0.15	0.14	0.16	0.16	0.17	0.17	0.17	0.16	0.15	0.15	0.14	0.14						
65	0.10	0.09	0.10	0.11	0.11	0.11	0.12	0.11	0.10	0.11	0.10	0.10						
70	0.08	0.07	0.07	0.08	0.08	0.08	0.10	0.08	0.08	0.09	0.07	0.07						
75	0.07	0.05	0.06	0.07	0.06	0.06	0.09	0.06	0.06	0.08	0.05	0.05						
80	0.06	0.04	0.04	0.05	0.04	0.05	0.07	0.05	0.04	0.06	0.03	0.04						
85	0.05	0.02	0.03	0.03	0.02	0.02	0.06	0.02	0.02	0.03	0.02	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  
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