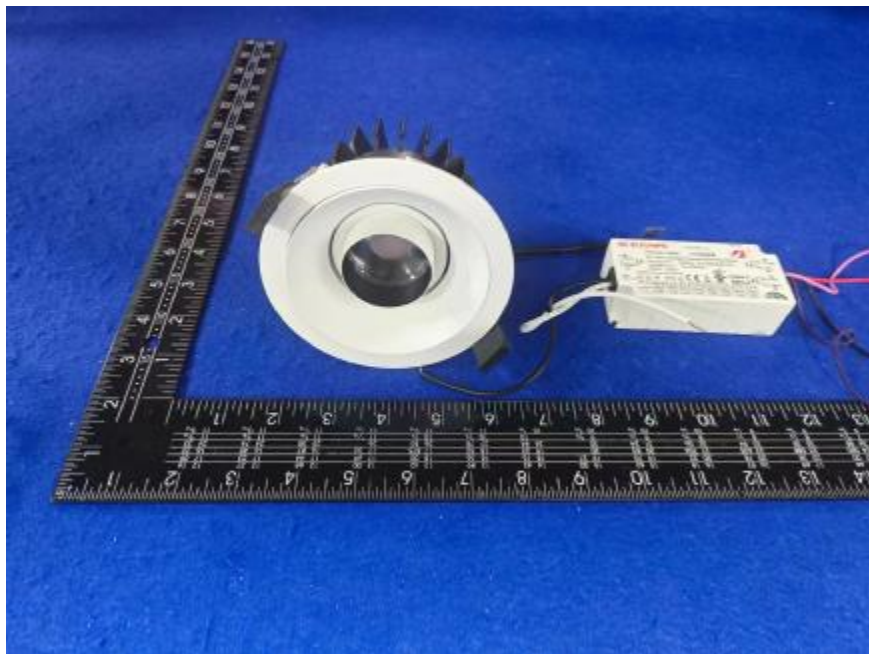


## Luminaire Photograph



Light Output Ratio:	75.0%	
Luminaire Power:	19.34 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-7-15

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

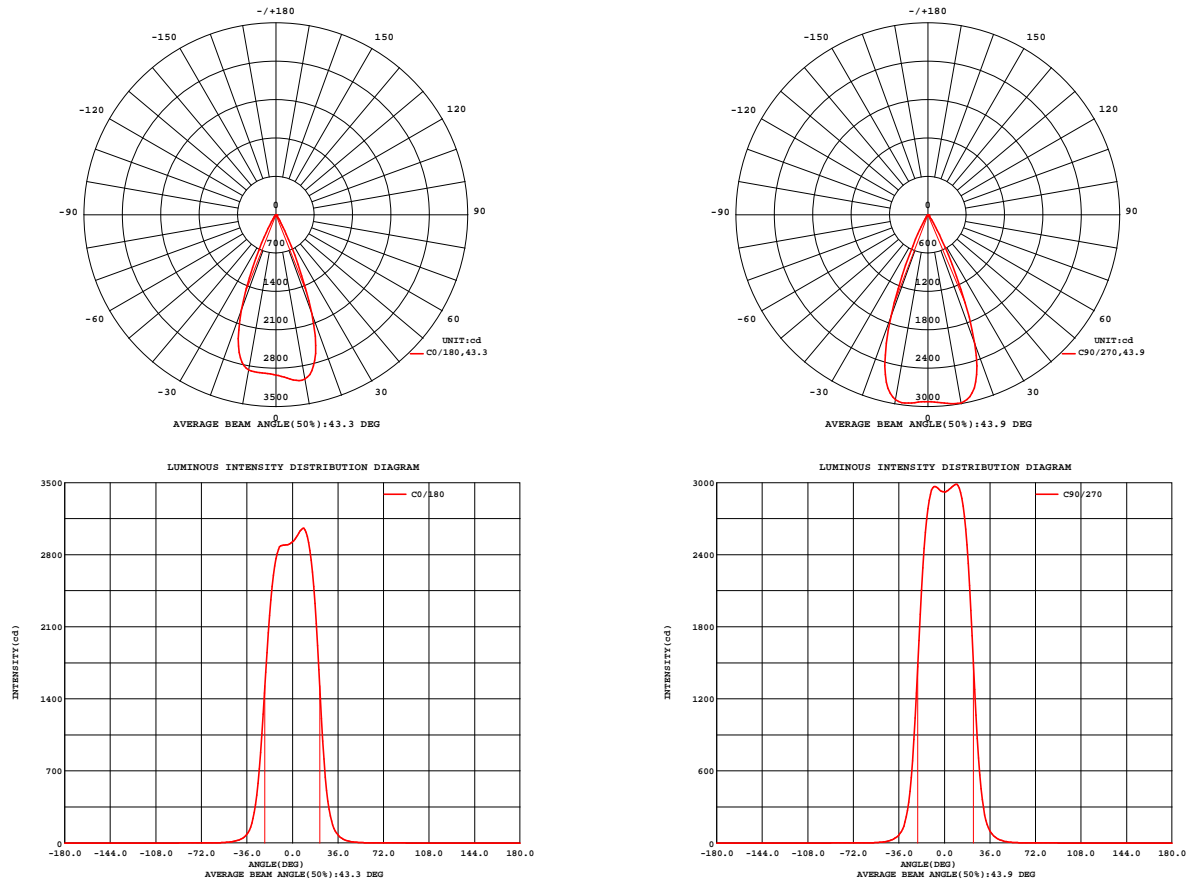


Fig. C0/C180

Fig. C90/C270

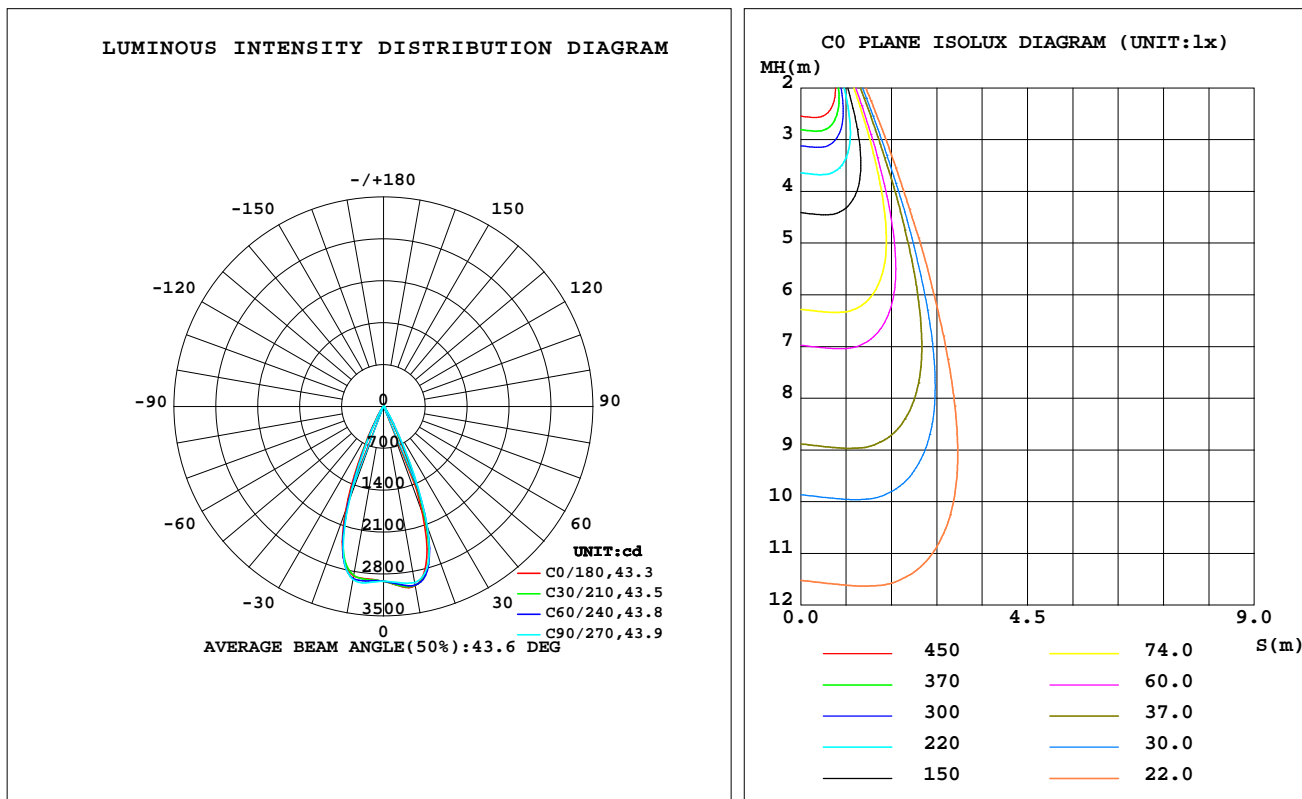
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-7-15

$\gamma$  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

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.07V I:0.1619A P:19.339W PF:0.9937 Freq:59.98Hz Lamp Flux:2011.9x1 lm		
NAME: 2118.193-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2307150905
MFR.: RISE	SUR.: 0.0063585m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.98 lm/W			
MODEL	Bridgelux	Imax(cd)	3056	S/MH(C0/180)	0.64
NOMINAL POWER(W)	20	LOR(%)	75.0	S/MH(C90/270)	0.62
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1508.1	$\eta$ UP,DN(C0-180)	0.0,39.7
NOMINAL FLUX(lm)	2011.9	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,35.2
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	$\eta$ down(%)	75.0	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-7-15

$\gamma$  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

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

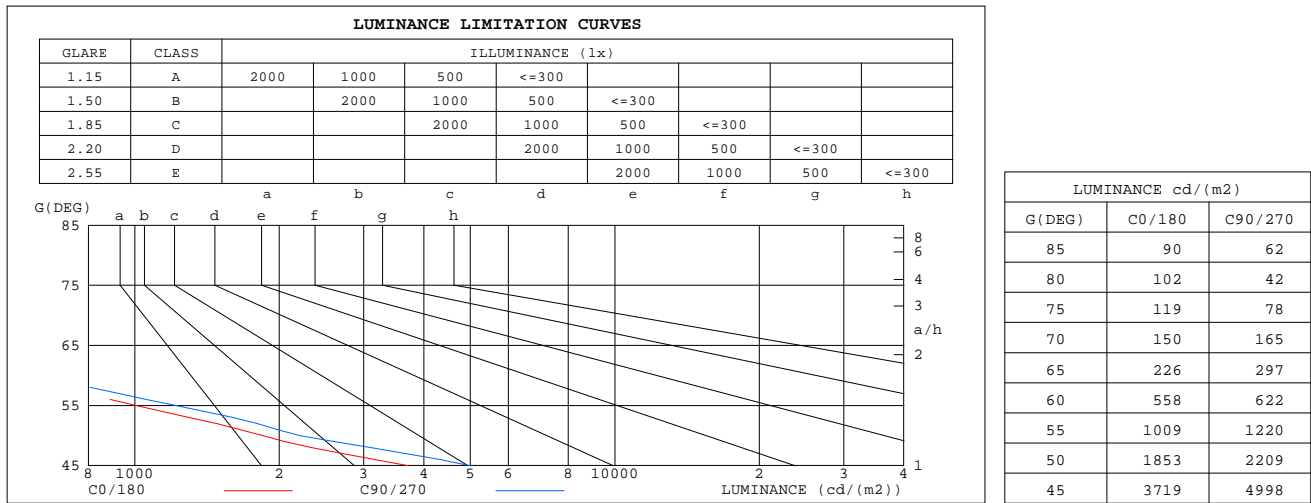
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	3040	3032	2985	2905	2876	2892	2937	2971	0- 10	282.2	282.2	18.7,14
20	1915	2104	2143	2039	1849	1756	1686	1733	10- 20	720.2	1002	66.5,49.8
30	263.4	313.2	361.1	347.3	296.2	237.6	216.1	223.3	20- 30	413.5	1416	93.9,70.4
40	39.30	45.02	50.94	48.84	42.01	35.90	34.03	34.42	30- 40	72.21	1488	98.7,74
50	7.576	7.736	9.023	9.609	8.359	7.469	6.564	6.612	40- 50	15.36	1503	99.7,74.7
60	1.775	1.731	1.975	2.090	1.905	1.636	1.456	1.531	50- 60	3.653	1507	99.9,74.9
70	0.3272	0.3370	0.3581	0.3897	0.3847	0.3423	0.3269	0.3001	60- 70	0.7920	1508	100,74.9
80	0.1125	0.0569	0.0465	0.0568	0.1167	0.0661	0.0427	0.0549	70- 80	0.1934	1508	100,75
90	0	0	0	0	0	0	0	0	80- 90	0.0328	1508	100,75
100	0	0	0	0	0	0	0	0	90-100	0	1508	100,75
110	0	0	0	0	0	0	0	0	100-110	0	1508	100,75
120	0	0	0	0	0	0	0	0	110-120	0	1508	100,75
130	0	0	0	0	0	0	0	0	120-130	0	1508	100,75
140	0	0	0	0	0	0	0	0	130-140	0	1508	100,75
150	0	0	0	0	0	0	0	0	140-150	0	1508	100,75
160	0	0	0	0	0	0	0	0	150-160	0	1508	100,75
170	0	0	0	0	0	0	0	0	160-170	0	1508	100,75
180	0	0	0	0	0	0	0	0	170-180	0	1508	100,75
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:zoe  
 Test Date:2023-7-15

$\gamma$  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:120.07V I:0.1619A P:19.339W PF:0.9937 Freq:59.98Hz Lamp Flux:2011.9x1 lm		
NAME: 2118.193-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2307150905
MFR.: RISE	SUR.: 0.0063585m2	Shielding Angle:



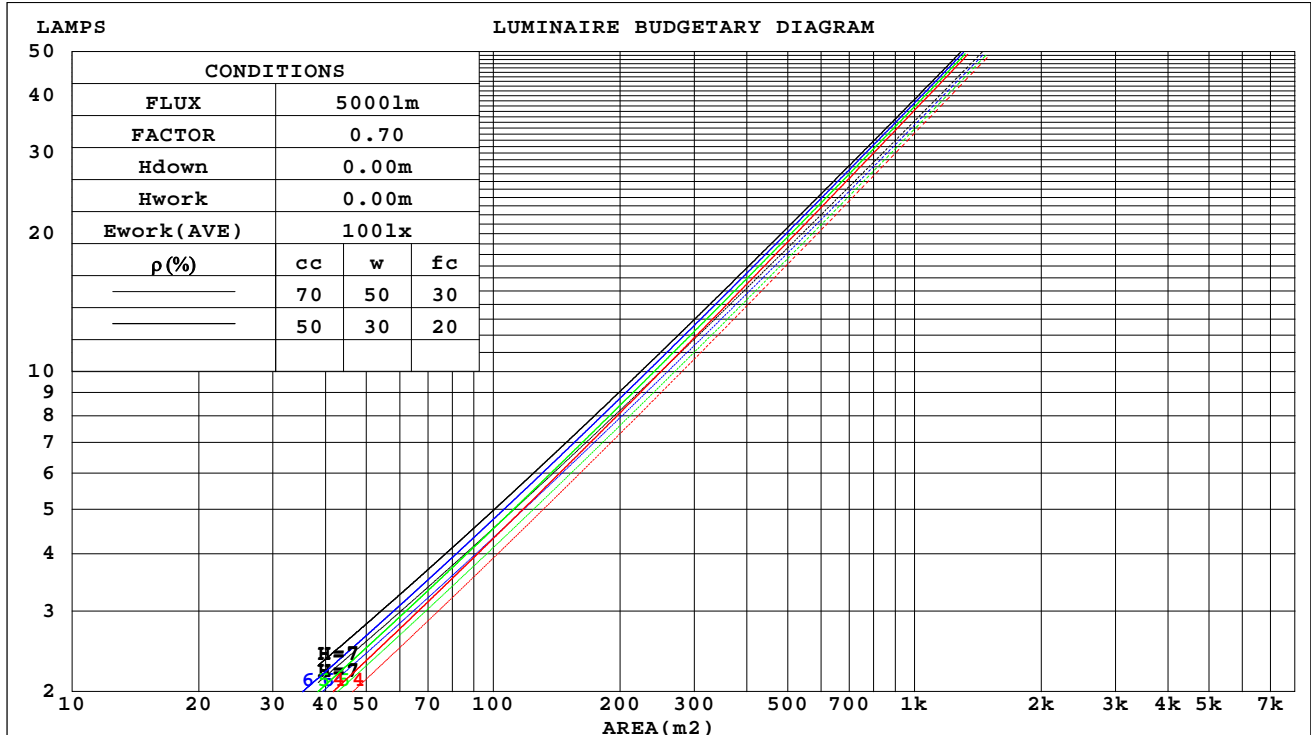
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-7-15

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:120.07V I:0.1619A P:19.339W PF:0.9937 Freq:59.98Hz Lamp Flux:2011.9x1 lm		
NAME: 2118.193-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2307150905
MFR.: RISE	SUR.: 0.0063585m2	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	.89	.89	.89	.87	.87	.87	.83	.83	.83	.80	.80	.80	.76	.76	.76	.75
1.0	.84	.83	.81	.82	.81	.80	.79	.78	.77	.77	.76	.75	.74	.74	.73	.72
2.0	.80	.77	.75	.78	.76	.74	.76	.74	.73	.74	.72	.71	.72	.71	.70	.68
3.0	.76	.72	.70	.75	.72	.70	.73	.70	.68	.71	.69	.67	.69	.68	.66	.65
4.0	.72	.69	.66	.71	.68	.66	.70	.67	.65	.68	.66	.64	.67	.65	.63	.62
5.0	.69	.65	.63	.68	.65	.62	.67	.64	.62	.66	.63	.61	.64	.62	.61	.60
6.0	.66	.62	.59	.65	.62	.59	.64	.61	.59	.63	.60	.58	.62	.60	.58	.57
7.0	.63	.59	.57	.62	.59	.57	.62	.58	.56	.61	.58	.56	.60	.58	.56	.55
8.0	.60	.57	.54	.60	.56	.54	.59	.56	.54	.58	.56	.54	.58	.55	.54	.53
9.0	.58	.54	.52	.58	.54	.52	.57	.54	.52	.56	.54	.52	.56	.53	.51	.51
10.0	.56	.52	.50	.55	.52	.50	.55	.52	.50	.54	.52	.50	.54	.51	.49	.49



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-7-15

$\gamma$  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:120.07V I:0.1619A P:19.339W PF:0.9937 Freq:59.98Hz Lamp Flux:2011.9x1 lm		
NAME: 2118.193-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2307150905
MFR.: RISE	SUR.: 0.0063585m2	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
p <sub>fc</sub>	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.113	.064	.020	.108	.062	.020	.099	.057	.018	.090	.052	.017	.082	.048	.015		
2.0	.106	.058	.018	.102	.056	.017	.094	.052	.016	.087	.049	.015	.080	.045	.014		
3.0	.100	.053	.016	.096	.051	.015	.090	.049	.015	.084	.046	.014	.078	.043	.013		
4.0	.094	.049	.014	.091	.048	.014	.086	.045	.014	.081	.043	.013	.076	.041	.013		
5.0	.089	.046	.013	.087	.045	.013	.082	.043	.013	.078	.041	.012	.074	.039	.012		
6.0	.085	.043	.012	.083	.042	.012	.079	.040	.012	.075	.039	.011	.071	.038	.011		
7.0	.081	.040	.011	.079	.040	.011	.076	.038	.011	.072	.037	.011	.069	.036	.011		
8.0	.078	.038	.011	.076	.038	.011	.073	.036	.010	.070	.035	.010	.067	.034	.010		
9.0	.075	.036	.010	.073	.036	.010	.070	.035	.010	.068	.034	.010	.065	.033	.010		
10.0	.072	.035	.010	.071	.034	.010	.068	.033	.009	.066	.033	.009	.063	.032	.009		

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.143	.143	.143	.122	.122	.122	.083	.083	.083	.048	.048	.048	.015	.015	.015	
1.0	.127	.118	.110	.109	.101	.095	.074	.070	.066	.043	.040	.038	.014	.013	.012	
2.0	.114	.099	.087	.098	.086	.075	.067	.059	.053	.039	.034	.031	.012	.011	.010	
3.0	.103	.085	.070	.089	.073	.061	.061	.051	.043	.035	.030	.025	.011	.010	.008	
4.0	.095	.074	.058	.081	.064	.050	.056	.044	.035	.032	.026	.021	.010	.008	.007	
5.0	.087	.065	.048	.075	.056	.042	.052	.039	.029	.030	.023	.017	.010	.007	.006	
6.0	.081	.057	.040	.070	.050	.035	.048	.035	.025	.028	.020	.015	.009	.007	.005	
7.0	.076	.051	.034	.065	.045	.030	.045	.031	.021	.026	.018	.013	.008	.006	.004	
8.0	.071	.046	.029	.061	.040	.026	.043	.028	.018	.025	.017	.011	.008	.005	.004	
9.0	.067	.042	.025	.058	.037	.022	.040	.026	.016	.023	.015	.009	.008	.005	.003	
10.0	.064	.039	.022	.055	.034	.019	.038	.024	.014	.022	.014	.008	.007	.005	.003	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-7-15

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:120.07V I:0.1619A P:19.339W PF:0.9937 Freq:59.98Hz Lamp Flux:2011.9x1 lm										
NAME: 2118.193-LEA-15					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2307150905		
MFR.: RISE					SUR.: 0.0063585m2			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	6.5	7.2	6.7	7.4	7.5	7.8	8.5	8.0	8.7	8.8
3H	6.3	7.0	6.6	7.2	7.4	7.6	8.3	7.9	8.5	8.7
4H	6.2	6.9	6.5	7.1	7.3	7.5	8.2	7.8	8.4	8.6
6H	6.2	6.8	6.4	7.0	7.3	7.4	8.1	7.7	8.3	8.5
8H	6.1	6.7	6.4	7.0	7.2	7.4	8.0	7.7	8.2	8.5
12H	6.1	6.6	6.4	6.9	7.2	7.4	7.9	7.7	8.2	8.5
4H 2H	6.3	6.9	6.5	7.1	7.3	7.5	8.2	7.8	8.4	8.6
3H	6.1	6.7	6.4	6.9	7.2	7.4	7.9	7.7	8.2	8.5
4H	6.0	6.5	6.3	6.8	7.1	7.3	7.8	7.6	8.1	8.4
6H	5.9	6.4	6.3	6.7	7.0	7.2	7.6	7.5	8.0	8.3
8H	5.8	6.3	6.2	6.6	7.0	7.1	7.5	7.5	7.9	8.3
12H	5.8	6.2	6.2	6.5	6.9	7.1	7.5	7.5	7.8	8.2
8H 4H	5.8	6.3	6.2	6.6	7.0	7.1	7.5	7.5	7.9	8.3
6H	5.7	6.1	6.2	6.5	6.9	7.0	7.4	7.4	7.7	8.2
8H	5.7	6.0	6.1	6.4	6.8	6.9	7.3	7.4	7.7	8.1
12H	5.6	5.9	6.1	6.3	6.8	6.9	7.2	7.3	7.6	8.1
12H 4H	5.8	6.2	6.2	6.5	6.9	7.1	7.5	7.5	7.8	8.2
6H	5.7	6.0	6.1	6.4	6.8	6.9	7.3	7.4	7.7	8.1
8H	5.6	5.9	6.1	6.3	6.8	6.9	7.2	7.3	7.6	8.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.4 / -11.2					+ 3.9 / -11.7				
1.5H	+ 5.5 / - 8.4					+ 6.0 / - 9.7				
2.0H	+ 5.8 / - 9.0					+ 6.7 / - 9.2				

CIE Pub.117, 2012 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.4)  
Area: 0.0063585 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-7-15

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:120.07V I:0.1619A P:19.339W PF:0.9937 Freq:59.98Hz Lamp Flux:2011.9x1 lm		
NAME: 2118.193-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2307150905
MFR.: RISE	SUR.: 0.0063585m2	Shielding Angle:

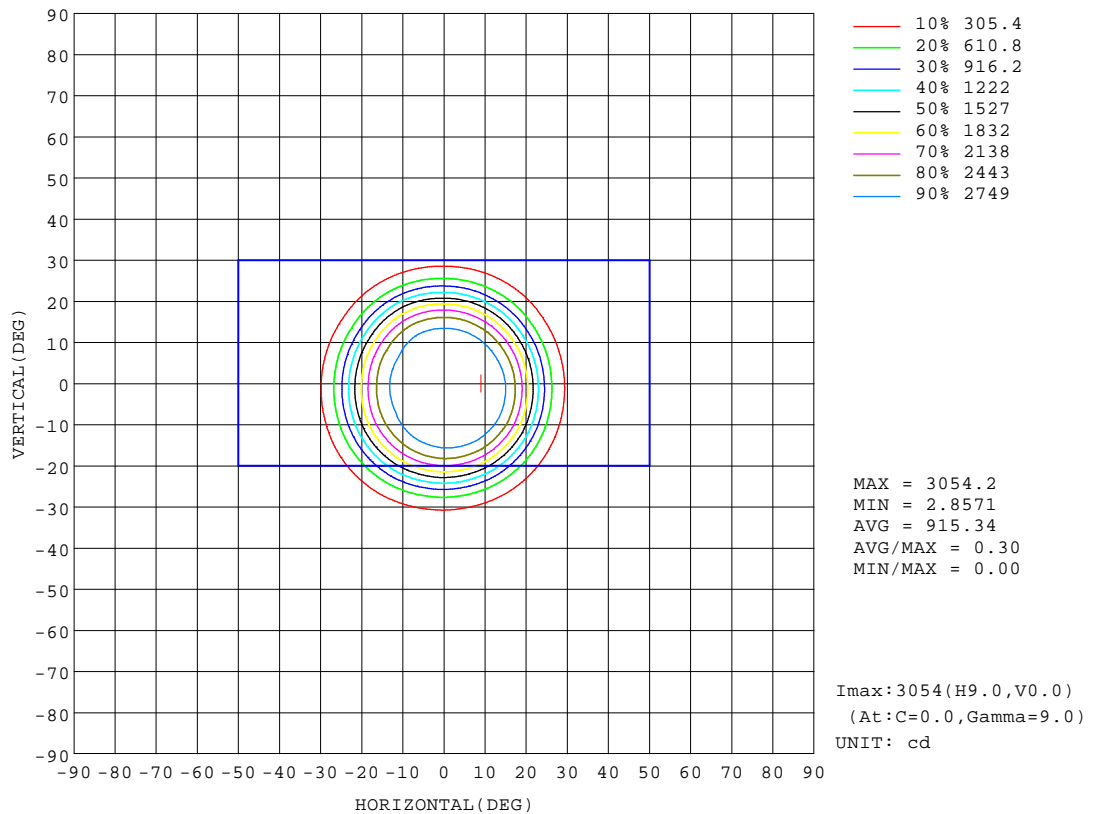
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	68	64	61	68	64	61	67	63	61	59
0.80	73	69	67	73	69	67	72	69	66	64
1.00	76	72	70	76	72	70	74	72	69	67
1.25	79	75	73	78	75	73	77	74	72	69
1.50	81	77	75	80	77	75	78	76	74	71
2.00	82	79	77	81	79	77	79	77	76	72
2.50	83	81	79	82	80	78	80	78	77	72
3.00	84	82	80	83	81	79	81	79	78	73
4.00	86	84	82	84	83	81	82	80	79	74
5.00	87	85	84	85	84	83	82	81	80	75
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:2023-7-15

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:120.07V I:0.1619A P:19.339W PF:0.9937 Freq:59.98Hz Lamp Flux:2011.9x1 lm		
NAME: 2118.193-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2307150905
MFR.: RISE	SUR.: 0.0063585m2	Shielding Angle:

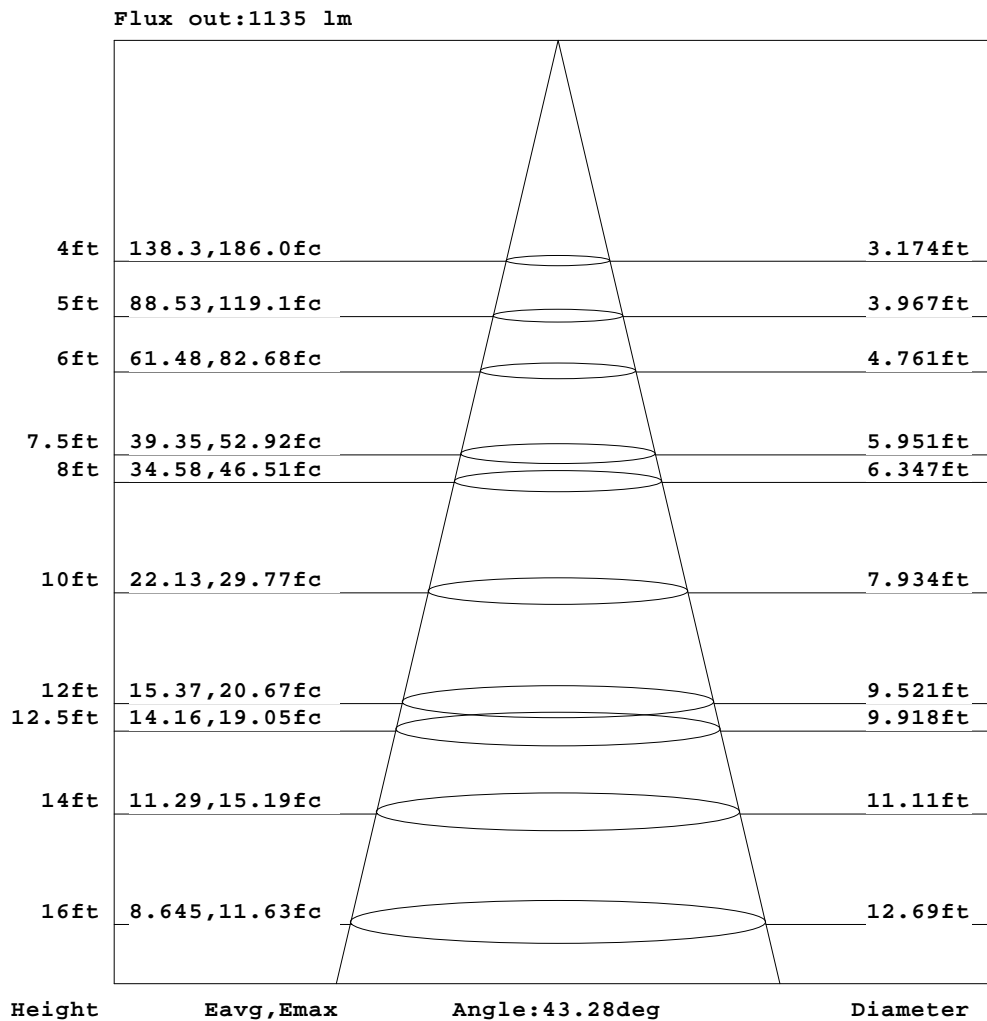


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-7-15

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:120.07V I:0.1619A P:19.339W PF:0.9937 Freq:59.98Hz Lamp Flux:2011.9x1 lm		
NAME: 2118.193-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2307150905
MFR.: RISE	SUR.: 0.0063585m2	Shielding Angle:



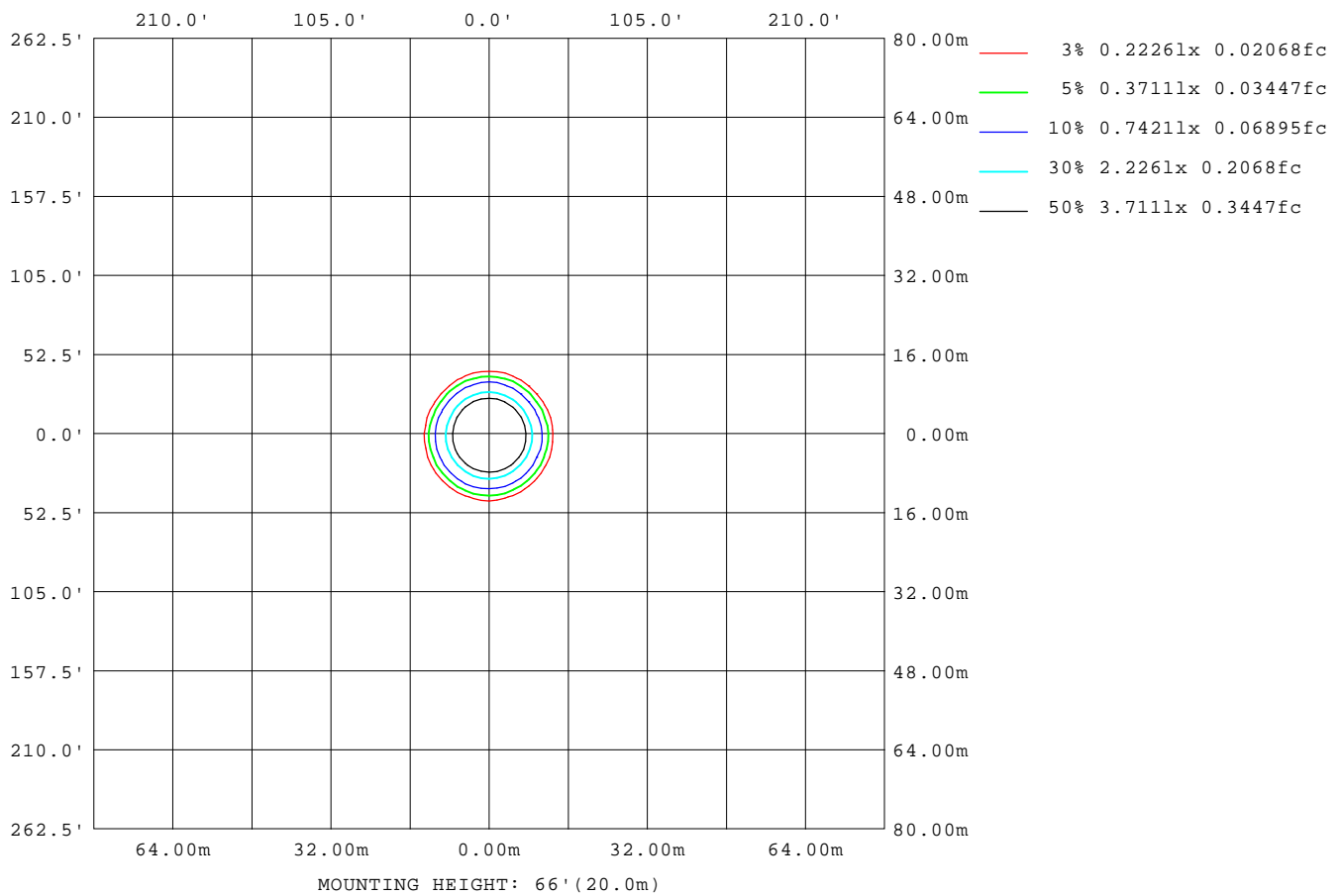
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-7-15

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:120.07V I:0.1619A P:19.339W PF:0.9937 Freq:59.98Hz Lamp Flux:2011.9x1 lm		
NAME: 2118.193-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2307150905
MFR.: RISE	SUR.: 0.0063585m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-7-15

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:120.07V I:0.1619A P:19.339W PF:0.9937 Freq:59.98Hz Lamp Flux:2011.9x1 lm		
NAME: 2118.193-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2307150905
MFR.: RISE	SUR.: 0.0063585m2	Shielding Angle:

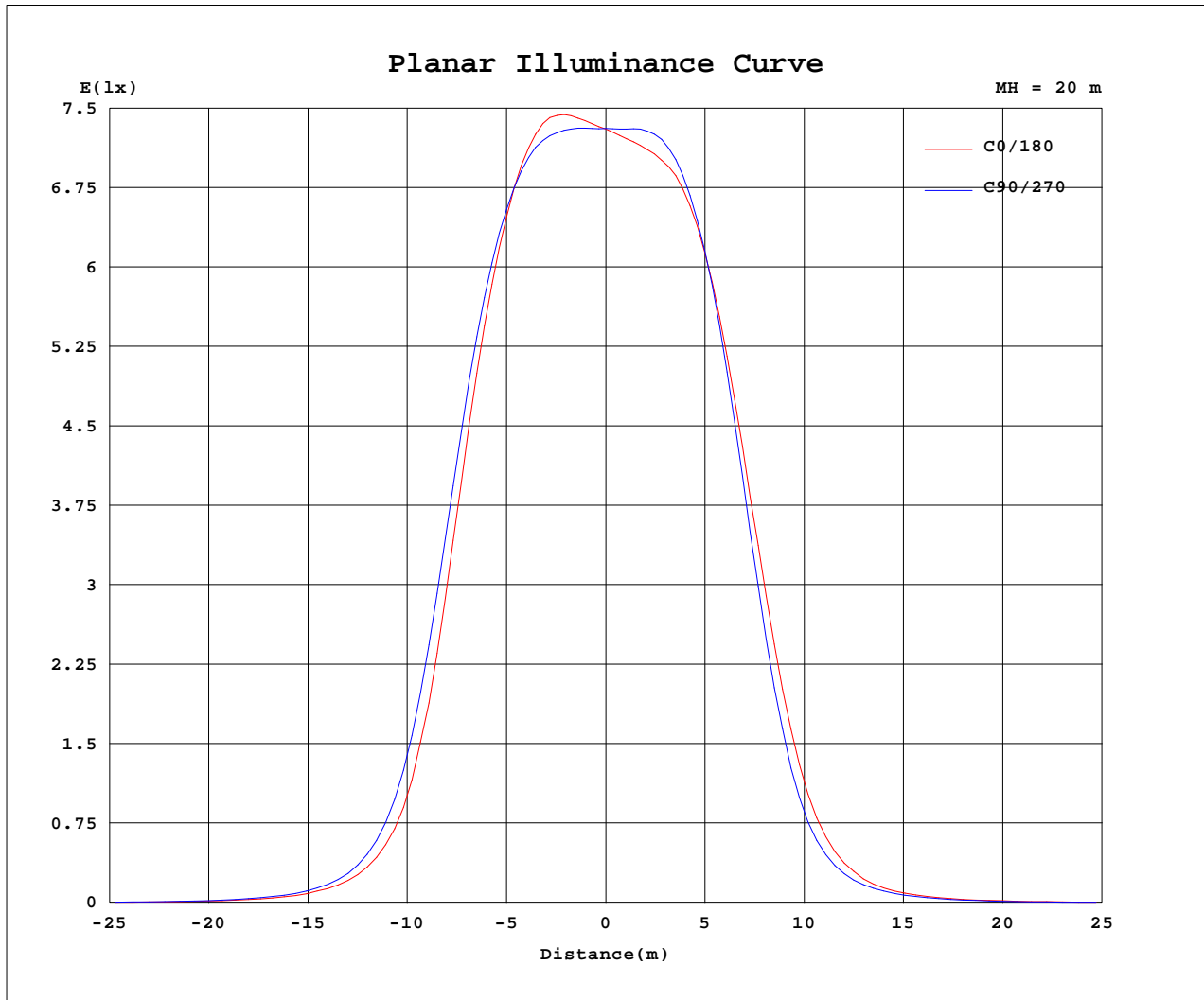
AvgL	cd/m2
L_0~180(65)av	248
L_0~180(75)av	127
L_0~180(85)av	81
L_90~270(65)av	246
L_90~270(75)av	87
L_90~270(85)av	56
L_45(65)av	235
L_45(75)av	103
L_45(85)av	31

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-7-15

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: 2023-7-15

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:120.07V I:0.1619A P:19.339W PF:0.9937 Freq:59.98Hz Lamp Flux:2011.9x1 lm		
NAME: 2118.193-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2307150905
MFR.: RISE	SUR.: 0.0063585m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	2923	2923	2923	2923	2923	2923	2923	2923	2923	2923	2923	2923						
5	3008	3000	2981	2954	2925	2900	2894	2904	2924	2954	2984	2996						
10	3040	3034	3029	2985	2934	2876	2876	2864	2919	2937	2960	2981						
15	2746	2817	2836	2804	2746	2657	2601	2569	2602	2586	2599	2649						
20	1915	2071	2137	2143	2090	1987	1849	1762	1751	1686	1700	1766						
25	815	924	1013	1063	1056	984	879	775	733	683	678	699						
30	263	294	332	361	361	334	296	241	234	216	224	222						
35	97.5	105	115	126	123	115	102	86.2	80.5	80.5	81.5	85.0						
40	39.3	43.0	47.1	50.9	50.3	47.4	42.0	36.8	35.0	34.0	34.2	34.6						
45	16.7	18.8	20.0	22.5	22.7	21.6	19.5	17.4	16.1	15.2	14.7	15.0						
50	7.58	7.76	7.71	9.02	9.84	9.38	8.36	7.79	7.15	6.56	6.26	6.97						
55	3.68	3.70	3.73	4.45	4.60	4.53	4.03	3.64	3.31	3.02	2.95	3.31						
60	1.77	1.69	1.77	1.98	2.04	2.14	1.90	1.71	1.56	1.46	1.46	1.60						
65	0.61	0.59	0.69	0.80	0.80	0.81	0.72	0.63	0.57	0.52	0.49	0.50						
70	0.33	0.33	0.34	0.36	0.39	0.39	0.38	0.35	0.33	0.33	0.30	0.30						
75	0.20	0.18	0.14	0.13	0.15	0.21	0.22	0.21	0.17	0.16	0.15	0.17						
80	0.11	0.07	0.04	0.05	0.04	0.08	0.12	0.09	0.04	0.04	0.03	0.08						
85	0.05	0.03	0.03	0.03	0.02	0.02	0.04	0.02	0.02	0.03	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:2023-7-15

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