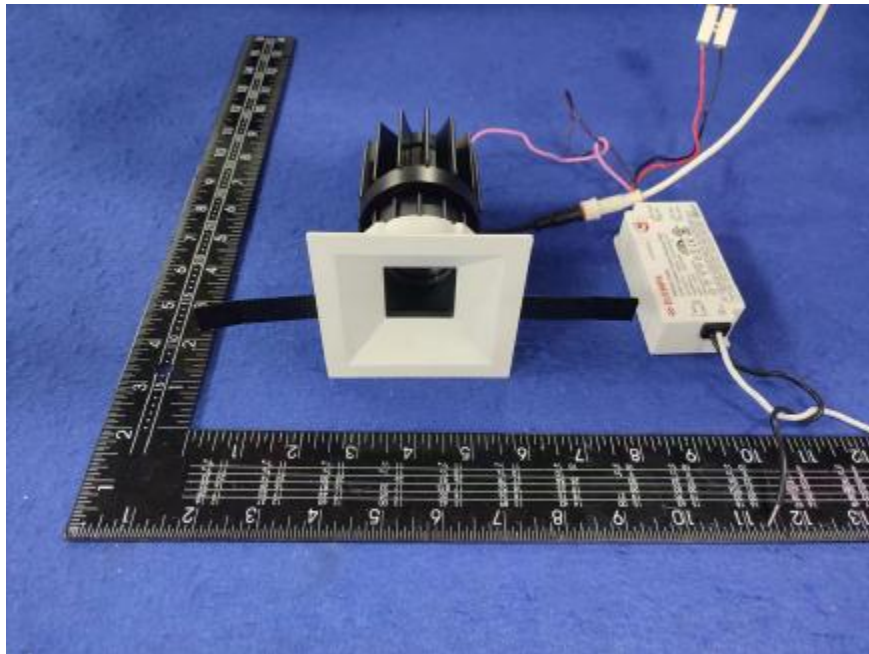


## Luminaire Photograph



Light Output Ratio:	50.8%	
Luminaire Power:	18.85 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: 2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

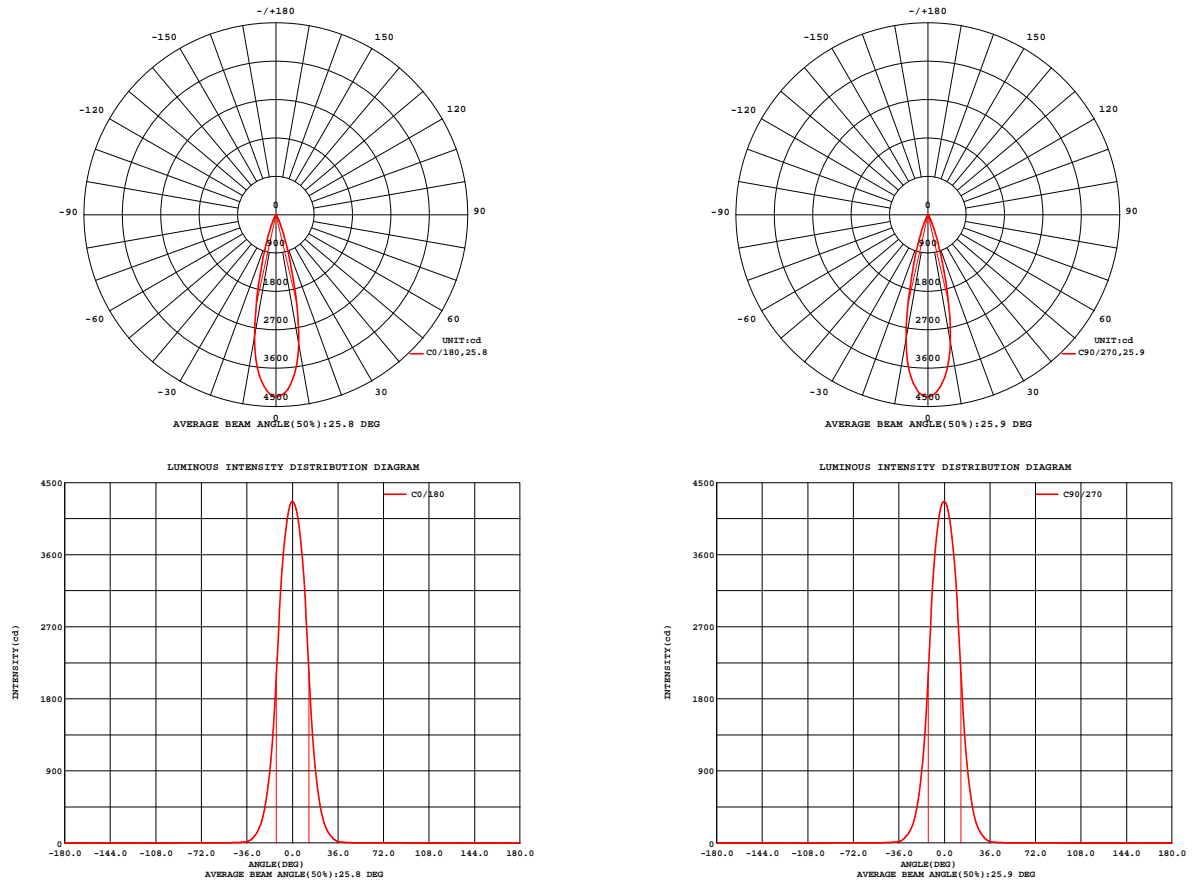


Fig. C0/C180

Fig. C90/C270

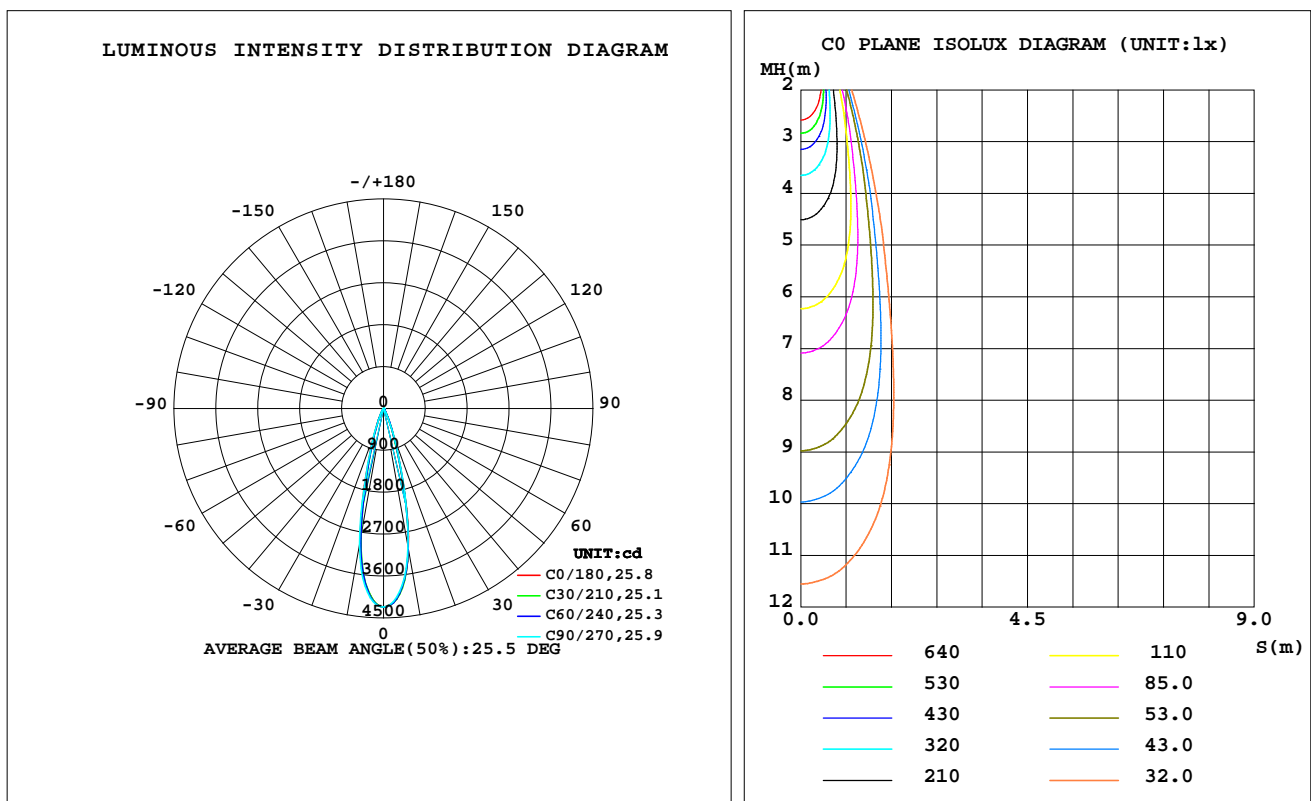
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.07V I:0.1578A P:18.848W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm		
NAME: 2418.103-LEA-14	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407200926
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.68 lm/W			
MODEL	Brideglux	I <sub>max</sub> (cd)	4266	S/MH(C0/180)	0.41
NOMINAL POWER(W)	18	LOR(%)	50.8	S/MH(C90/270)	0.41
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	917.57	UP,DN(C0-180)	0.0,25.9
NOMINAL FLUX(lm)	1805.61	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,24.9
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	down(%)	50.8	CIBSE SHR MAX	0.30



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER:PUP20A-1WMC 450mA  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

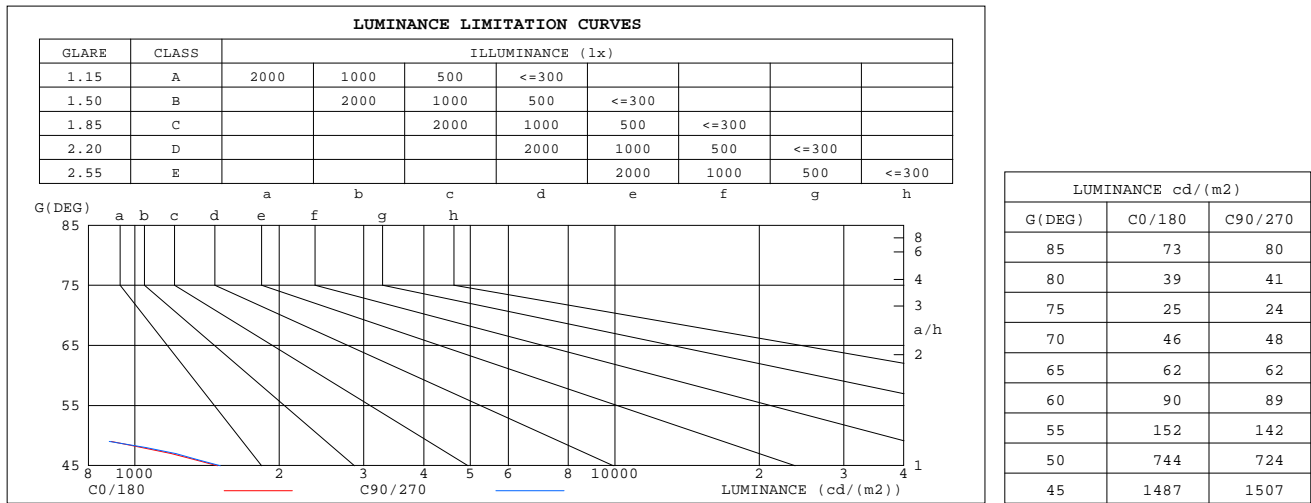
	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	3083	3077	3044	2818	2912	2809	2977	3062	0- 10	346.5	346.5	37.8,19.2
20	678.2	666.3	693.6	565.5	612.8	540.5	605.6	623.8	10- 20	416.0	762.6	83.1,42.2
30	95.77	117.7	95.42	98.91	83.44	93.21	83.95	106.3	20- 30	125.5	888.1	96.8,49.2
40	8.457	12.12	8.543	9.684	8.133	9.473	8.790	11.72	30- 40	24.40	912.5	99.4,50.5
50	2.210	2.870	2.153	2.686	2.540	2.392	2.347	2.966	40- 50	4.110	916.6	99.9,50.8
60	0.2076	0.2154	0.2054	0.2157	0.2109	0.2161	0.2193	0.2253	50- 60	0.8062	917.4	100,50.8
70	0.0732	0.0689	0.0760	0.0680	0.0768	0.0676	0.0798	0.0644	60- 70	0.1282	917.5	100,50.8
80	0.0316	0.0200	0.0326	0.0216	0.0332	0.0239	0.0285	0.0158	70- 80	0.0377	917.5	100,50.8
90	0	0	0	0	0	0	0	0	80- 90	0.0208	917.6	100,50.8
100	0	0	0	0	0	0	0	0	90-100	0	917.6	100,50.8
110	0	0	0	0	0	0	0	0	100-110	0	917.6	100,50.8
120	0	0	0	0	0	0	0	0	110-120	0	917.6	100,50.8
130	0	0	0	0	0	0	0	0	120-130	0	917.6	100,50.8
140	0	0	0	0	0	0	0	0	130-140	0	917.6	100,50.8
150	0	0	0	0	0	0	0	0	140-150	0	917.6	100,50.8
160	0	0	0	0	0	0	0	0	150-160	0	917.6	100,50.8
170	0	0	0	0	0	0	0	0	160-170	0	917.6	100,50.8
180	0	0	0	0	0	0	0	0	170-180	0	917.6	100,50.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER:PUP20A-1WMC 450mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:120.07V I:0.1578A P:18.848W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.6lx1 lm		
NAME: 2418.103-LEA-14	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407200926
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:



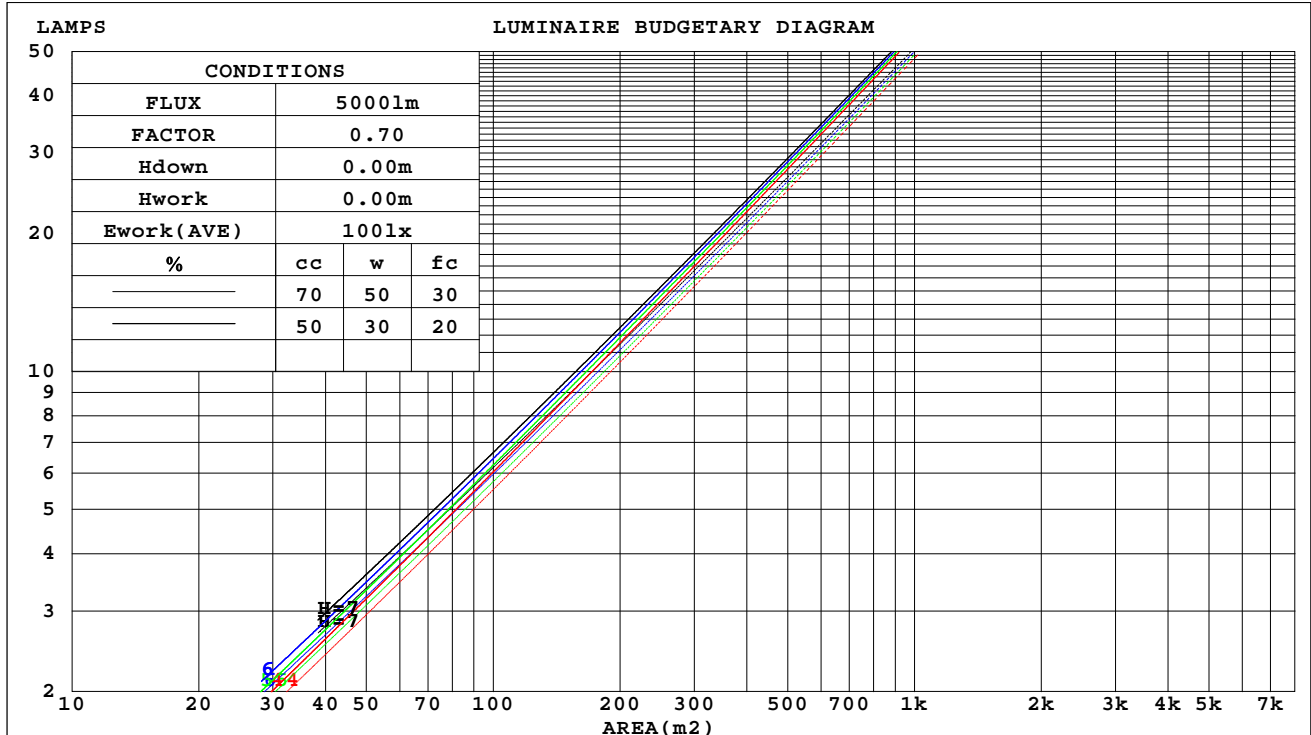
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER:PUP20A-1WMC 450mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.07V I:0.1578A P:18.848W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm		
NAME: 2418.103-LEA-14	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407200926
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	.60	.60	.60	.59	.59	.59	.56	.56	.56	.54	.54	.54	.52	.52	.52	.51
1.0	.57	.57	.56	.56	.56	.55	.54	.54	.53	.53	.52	.52	.51	.50	.50	.49
2.0	.55	.53	.52	.54	.53	.52	.53	.51	.51	.51	.50	.49	.50	.49	.48	.48
3.0	.53	.51	.50	.52	.50	.49	.51	.49	.48	.50	.49	.48	.49	.48	.47	.46
4.0	.51	.49	.47	.50	.48	.47	.49	.48	.47	.48	.47	.46	.47	.46	.46	.45
5.0	.49	.47	.46	.49	.47	.45	.48	.46	.45	.47	.46	.45	.46	.45	.44	.44
6.0	.47	.45	.44	.47	.45	.44	.46	.45	.44	.46	.44	.43	.45	.44	.43	.42
7.0	.46	.44	.43	.46	.44	.42	.45	.43	.42	.45	.43	.42	.44	.43	.42	.41
8.0	.45	.43	.41	.44	.43	.41	.44	.42	.41	.44	.42	.41	.43	.42	.41	.40
9.0	.43	.41	.40	.43	.41	.40	.43	.41	.40	.42	.41	.40	.42	.41	.40	.39
10.0	.42	.40	.39	.42	.40	.39	.42	.40	.39	.41	.40	.39	.41	.40	.39	.38



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER:PUP20A-1WMC 450mA  
30minutes warm-up



## WEC AND CCEC

Test:U:120.07V I:0.1578A P:18.848W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm		
NAME: 2418.103-LEA-14	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407200926
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.067	.038	.012	.064	.037	.012	.058	.033	.011	.052	.030	.010	.047	.027	.009	
2.0	.062	.034	.010	.059	.033	.010	.054	.030	.009	.050	.028	.009	.045	.026	.008	
3.0	.058	.031	.009	.056	.030	.009	.051	.028	.008	.047	.026	.008	.044	.024	.007	
4.0	.054	.028	.008	.052	.027	.008	.049	.026	.008	.045	.024	.007	.042	.023	.007	
5.0	.051	.026	.008	.049	.025	.007	.046	.024	.007	.043	.023	.007	.041	.022	.007	
6.0	.048	.024	.007	.047	.024	.007	.044	.023	.007	.042	.022	.006	.039	.021	.006	
7.0	.046	.023	.006	.045	.022	.006	.042	.021	.006	.040	.021	.006	.038	.020	.006	
8.0	.044	.021	.006	.043	.021	.006	.041	.020	.006	.039	.020	.006	.037	.019	.006	
9.0	.042	.020	.006	.041	.020	.006	.039	.019	.005	.037	.019	.005	.036	.018	.005	
10.0	.040	.019	.005	.039	.019	.005	.038	.018	.005	.036	.018	.005	.035	.017	.005	

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.097	.097	.097	.083	.083	.083	.056	.056	.056	.032	.032	.032	.010	.010	.010	
1.0	.085	.080	.075	.073	.069	.065	.050	.047	.045	.029	.027	.026	.009	.009	.008	
2.0	.076	.067	.060	.065	.058	.052	.045	.040	.036	.026	.023	.021	.008	.008	.007	
3.0	.068	.058	.049	.059	.050	.042	.040	.034	.030	.023	.020	.018	.007	.007	.006	
4.0	.062	.050	.040	.053	.043	.035	.036	.030	.025	.021	.018	.015	.007	.006	.005	
5.0	.056	.043	.034	.048	.038	.029	.033	.026	.021	.019	.015	.012	.006	.005	.004	
6.0	.052	.038	.029	.045	.033	.025	.031	.023	.018	.018	.014	.010	.006	.004	.003	
7.0	.048	.034	.024	.041	.030	.021	.029	.021	.015	.017	.012	.009	.005	.004	.003	
8.0	.045	.031	.021	.038	.027	.018	.027	.019	.013	.015	.011	.008	.005	.004	.003	
9.0	.042	.028	.018	.036	.024	.016	.025	.017	.011	.015	.010	.007	.005	.003	.002	
10.0	.039	.025	.016	.034	.022	.014	.023	.015	.010	.014	.009	.006	.004	.003	.002	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER:PUP20A-1WMC 450mA  
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.07V I:0.1578A P:18.848W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.6lx1 lm										
NAME: 2418.103-LEA-14					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2407200926		
MFR.: RISE					SUR.: 0.004624m2			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	2.8	3.4	3.0	3.5	3.7	2.5	3.1	2.7	3.2	3.4
3H	2.6	3.2	2.8	3.4	3.6	2.3	2.9	2.6	3.1	3.3
4H	2.5	3.1	2.8	3.3	3.5	2.2	2.8	2.5	3.0	3.2
6H	2.5	3.0	2.7	3.2	3.4	2.2	2.7	2.4	2.9	3.1
8H	2.4	2.9	2.7	3.2	3.4	2.1	2.6	2.4	2.9	3.1
12H	2.4	2.9	2.7	3.1	3.4	2.1	2.6	2.4	2.8	3.1
4H 2H	2.5	3.1	2.8	3.3	3.5	2.2	2.8	2.5	3.0	3.2
3H	2.4	2.9	2.7	3.1	3.4	2.1	2.6	2.4	2.8	3.1
4H	2.3	2.7	2.6	3.0	3.3	2.0	2.4	2.3	2.7	3.0
6H	2.2	2.6	2.5	2.9	3.2	1.9	2.3	2.2	2.6	2.9
8H	2.1	2.5	2.5	2.8	3.2	1.8	2.2	2.2	2.5	2.9
12H	2.1	2.4	2.5	2.8	3.1	1.8	2.1	2.2	2.5	2.9
8H 4H	2.1	2.5	2.5	2.8	3.2	1.8	2.2	2.2	2.5	2.9
6H	2.0	2.3	2.4	2.7	3.1	1.7	2.0	2.1	2.4	2.8
8H	1.9	2.2	2.4	2.6	3.1	1.6	1.9	2.1	2.3	2.8
12H	1.9	2.1	2.3	2.5	3.0	1.6	1.8	2.0	2.3	2.7
12H 4H	2.1	2.4	2.5	2.8	3.1	1.8	2.1	2.2	2.5	2.9
6H	1.9	2.2	2.4	2.6	3.1	1.6	1.9	2.1	2.3	2.8
8H	1.9	2.1	2.3	2.5	3.0	1.6	1.8	2.0	2.3	2.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.5 / -16.1					+ 3.3 / -15.4				
1.5H	+ 5.3 / -10.3					+ 4.8 / -11.3				
2.0H	+ 6.0 / -11.9					+ 6.0 / -12.0				

CIE Pub.117, 1806 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.1)  
Area: 0.004624 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER:PUP20A-1WMC 450mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:120.07V I:0.1578A P:18.848W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.6lx1 lm		
NAME: 2418.103-LEA-14	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407200926
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:

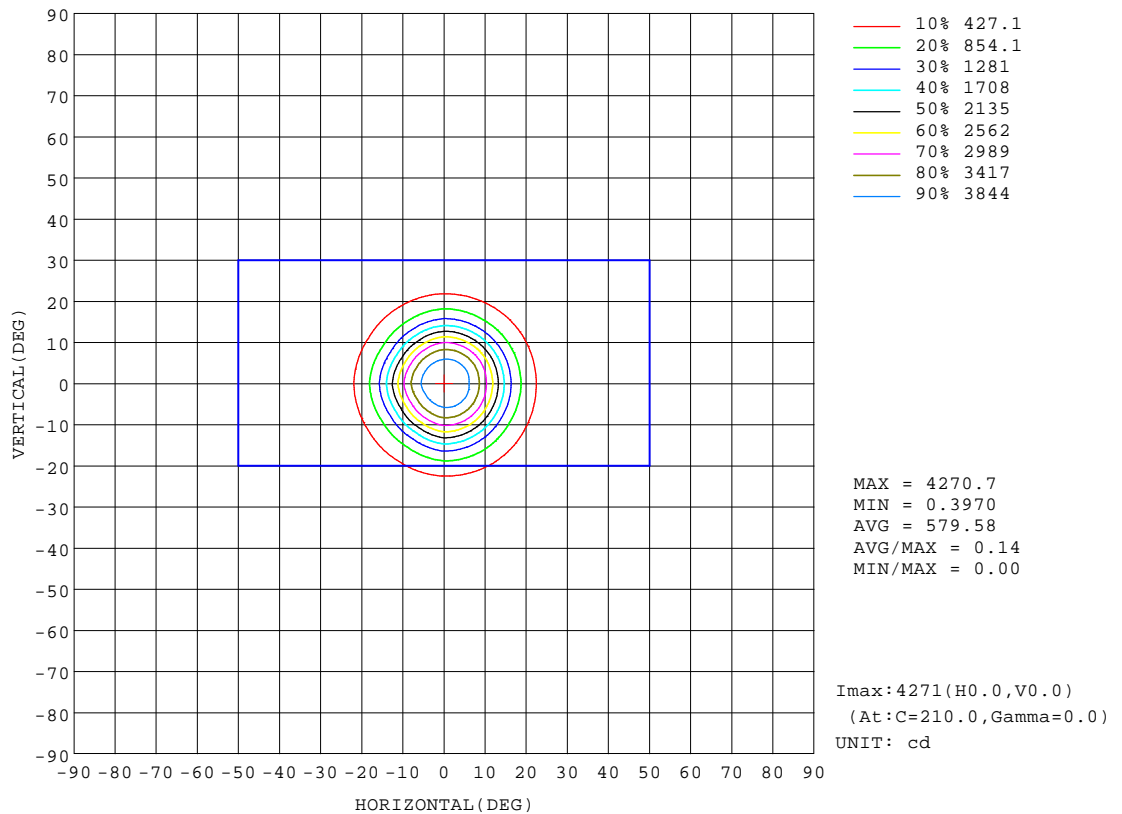
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	43	42	46	43	42	46	43	42	40
0.80	50	47	46	50	47	46	49	47	45	44
1.00	52	49	48	51	49	47	51	49	47	45
1.25	54	51	50	53	51	49	52	50	49	47
1.50	55	53	51	54	52	51	53	52	50	48
2.00	56	54	53	55	53	52	54	52	51	49
2.50	57	55	54	56	54	53	54	53	52	49
3.00	57	56	54	56	55	54	55	54	53	50
4.00	58	57	56	57	56	55	55	55	54	50
5.00	59	58	57	58	57	56	56	55	55	51
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:2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER:PUP20A-1WMC 450mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:120.07V I:0.1578A P:18.848W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm		
NAME: 2418.103-LEA-14	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407200926
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:

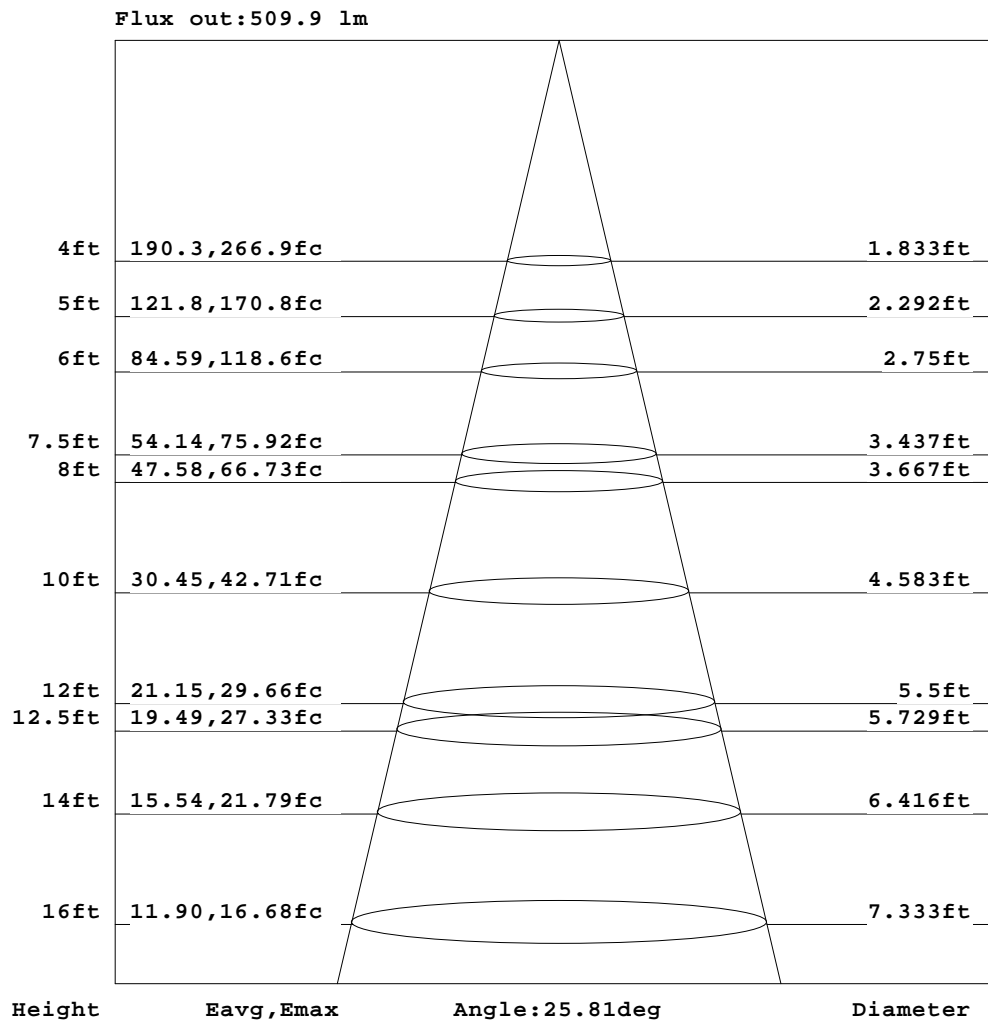


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER:PUP20A-1WMC 450mA  
30minutes warm-up

## AAI Figure

Test:U:120.07V I:0.1578A P:18.848W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm		
NAME: 2418.103-LEA-14	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407200926
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:



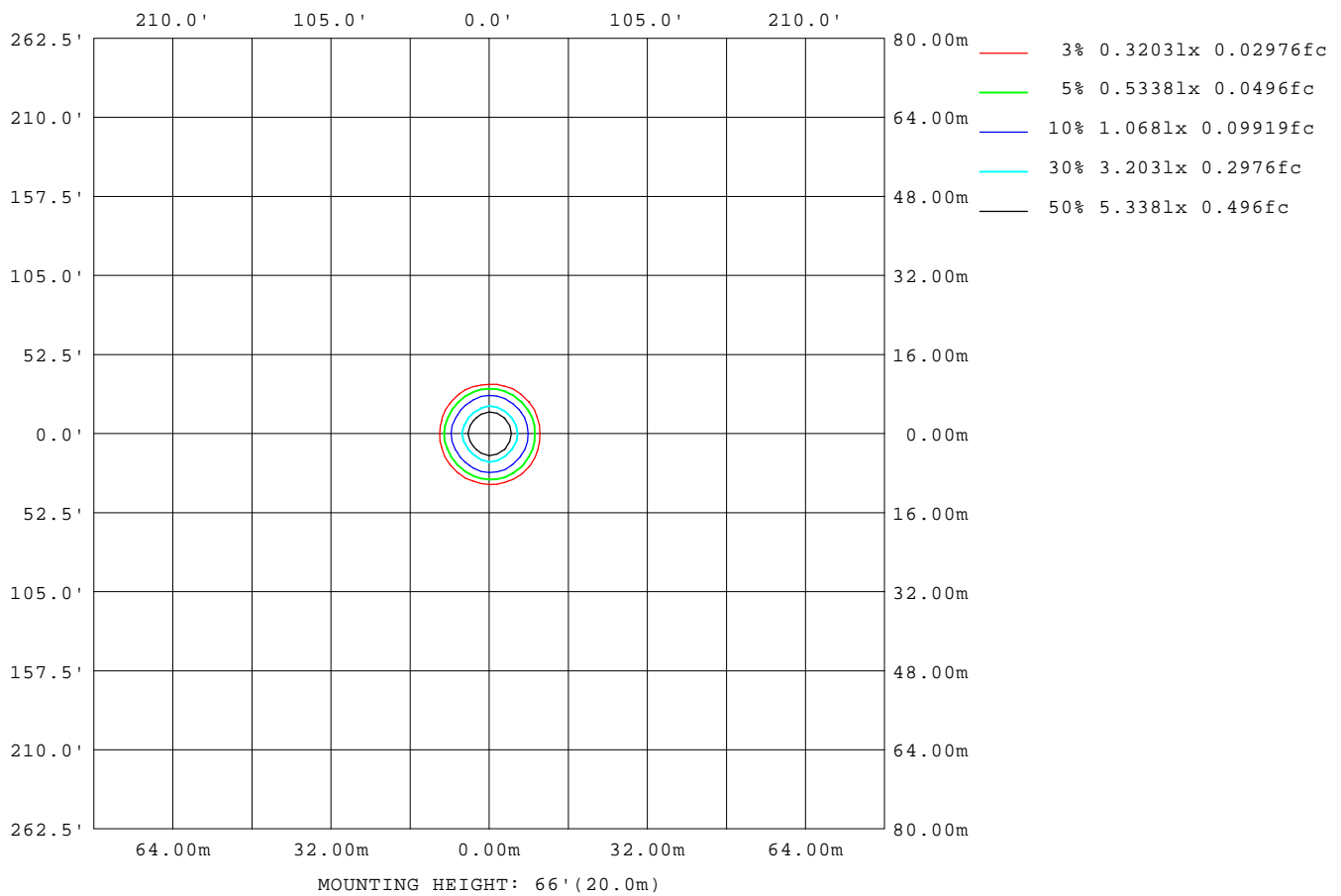
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:120.07V I:0.1578A P:18.848W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm		
NAME: 2418.103-LEA-14	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407200926
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:zoe  
Test Date:2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER:PUP20A-1WMC 450mA  
30minutes warm-up

## LED Avg.L Report

Test:U:120.07V I:0.1578A P:18.848W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.61x1 lm		
NAME: 2418.103-LEA-14	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407200926
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:

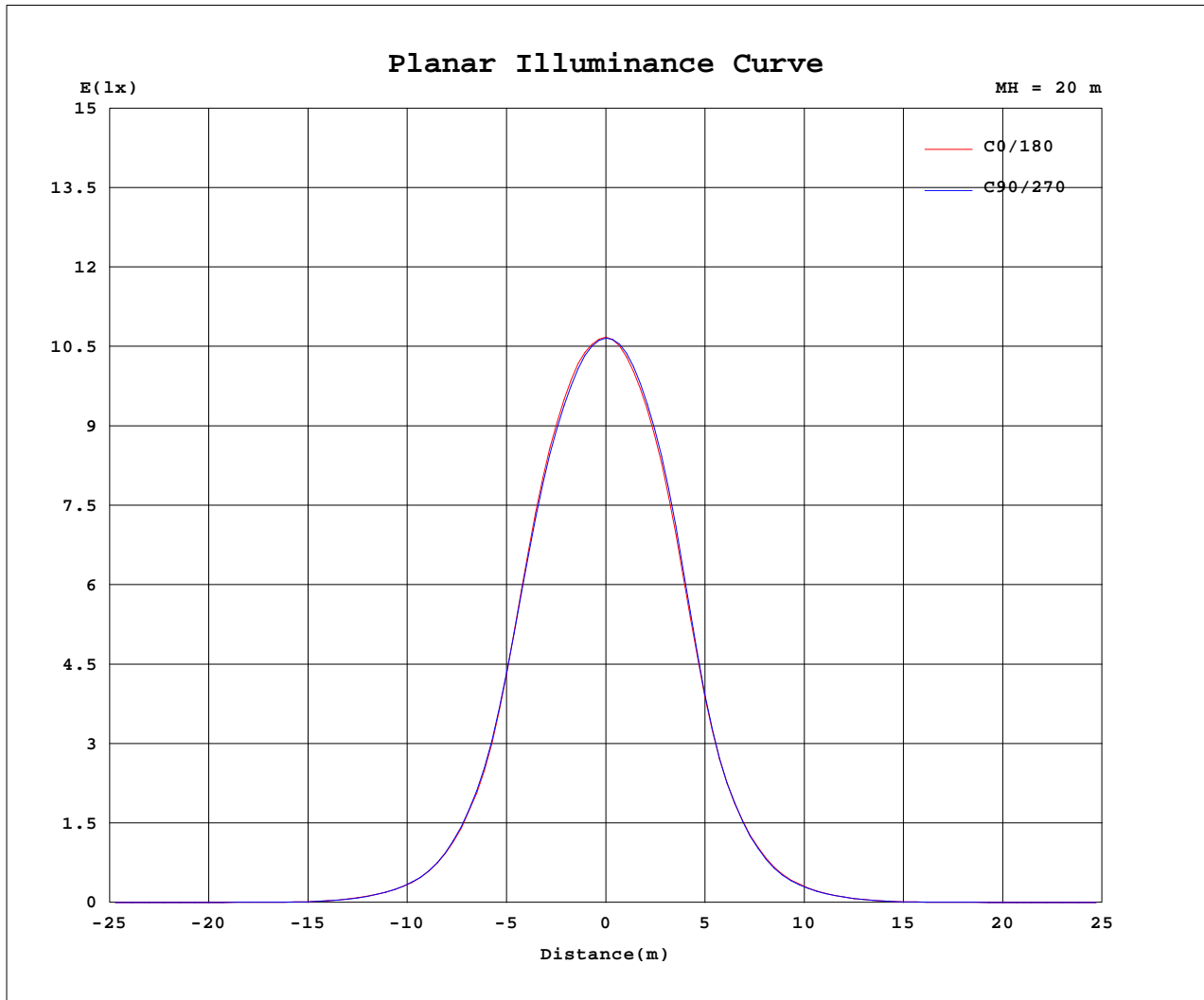
AvgL	cd/m2
L_0~180(65)av	64
L_0~180(75)av	26
L_0~180(85)av	73
L_90~270(65)av	65
L_90~270(75)av	23
L_90~270(85)av	74
L_45(65)av	62
L_45(75)av	20
L_45(85)av	35

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-20

Range: 0 - 180DEG  
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 15R  
DRIVER:PUP20A-1WMC 450mA  
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: 2024-7-20

Range: 0 - 180DEG  
 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 15R  
 DRIVER: PUP20A-1WMC 450mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.07V I:0.1578A P:18.848W PF:0.9938 Freq:59.98Hz Lamp Flux:1805.6lx1 lm		
NAME: 2418.103-LEA-14	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407200926
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	4266	4266	4266	4266	4266	4266	4266	4266	4266	4266	4266	4266						
5	3988	4011	3988	3949	3900	3878	3920	3903	3926	3964	4006	4026						
10	3083	3081	3073	3044	2854	2782	2912	2790	2827	2977	3028	3097						
15	1610	1591	1611	1628	1375	1321	1445	1286	1320	1457	1491	1561						
20	678	651	681	694	574	557	613	532	549	606	606	641						
25	256	284	285	258	251	240	230	230	235	223	254	266						
30	95.8	119	116	95.4	101	96.5	83.4	92.2	94.2	84.0	103	109						
35	26.7	45.0	41.9	25.0	37.2	34.2	22.1	34.2	34.3	22.9	39.0	40.4						
40	8.46	13.4	10.8	8.54	10.3	9.04	8.13	9.65	9.29	8.79	12.1	11.4						
45	4.86	5.37	5.49	4.93	4.72	5.20	5.09	4.61	4.72	5.27	5.72	5.10						
50	2.21	2.80	2.94	2.15	2.46	2.92	2.54	2.43	2.36	2.35	3.23	2.71						
55	0.40	0.83	0.83	0.38	0.72	0.48	0.38	0.74	0.67	0.40	0.81	0.91						
60	0.21	0.22	0.21	0.21	0.22	0.21	0.21	0.22	0.21	0.22	0.22	0.23						
65	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.12	0.13	0.12	0.12						
70	0.07	0.07	0.07	0.08	0.07	0.07	0.08	0.07	0.07	0.08	0.06	0.06						
75	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.02						
80	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.03	0.02	0.03	0.01	0.02						
85	0.03	0.01	0.02	0.03	0.02	0.02	0.03	0.02	0.01	0.03	0.01	0.01						
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:2024-7-20

Range: 0 - 180DEG  
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