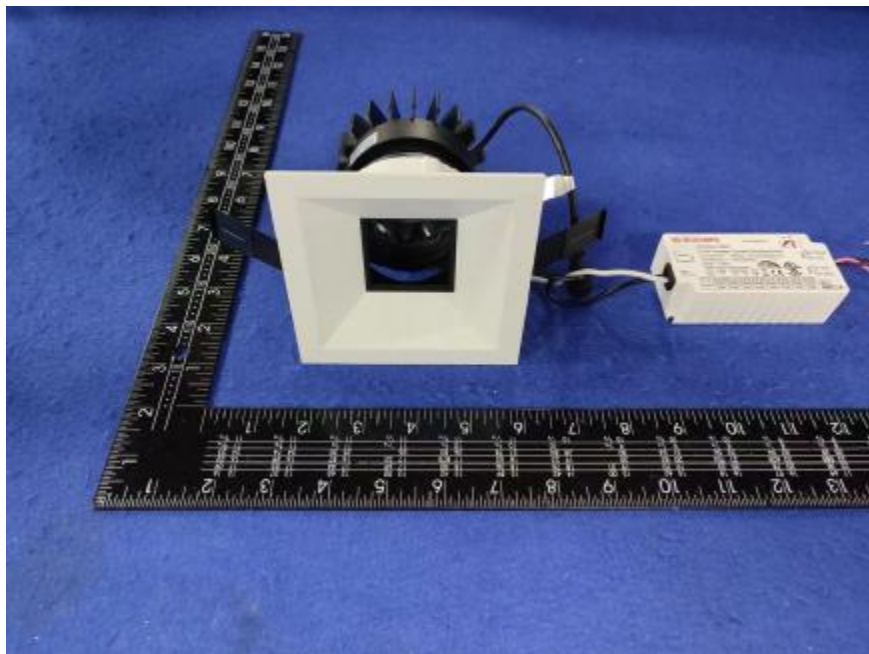


## Luminaire Photograph



Light Output Ratio:	61.6%	
Luminaire Power:	28.07 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.85	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-7-31

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-30G2000-C-83 Ra: 90  
LENS: PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

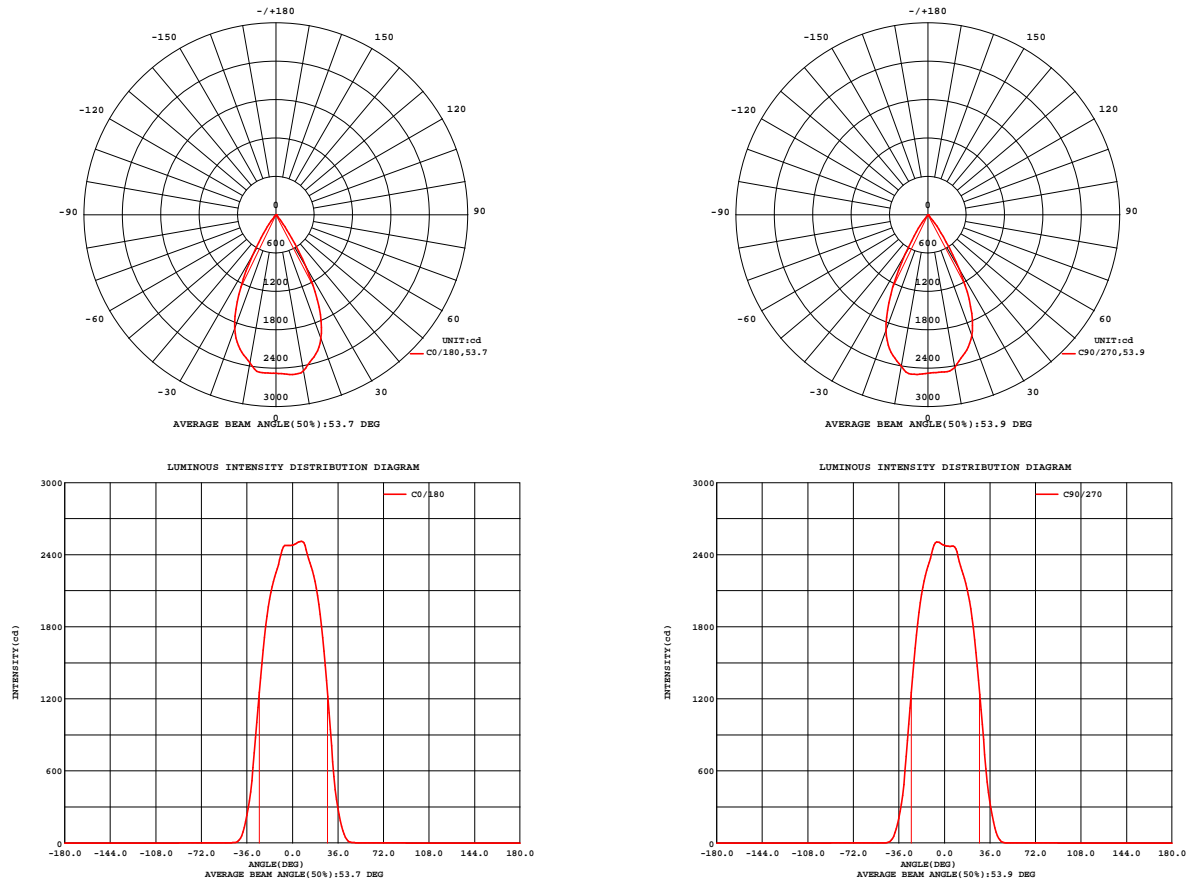


Fig. C0/C180

Fig. C90/C270

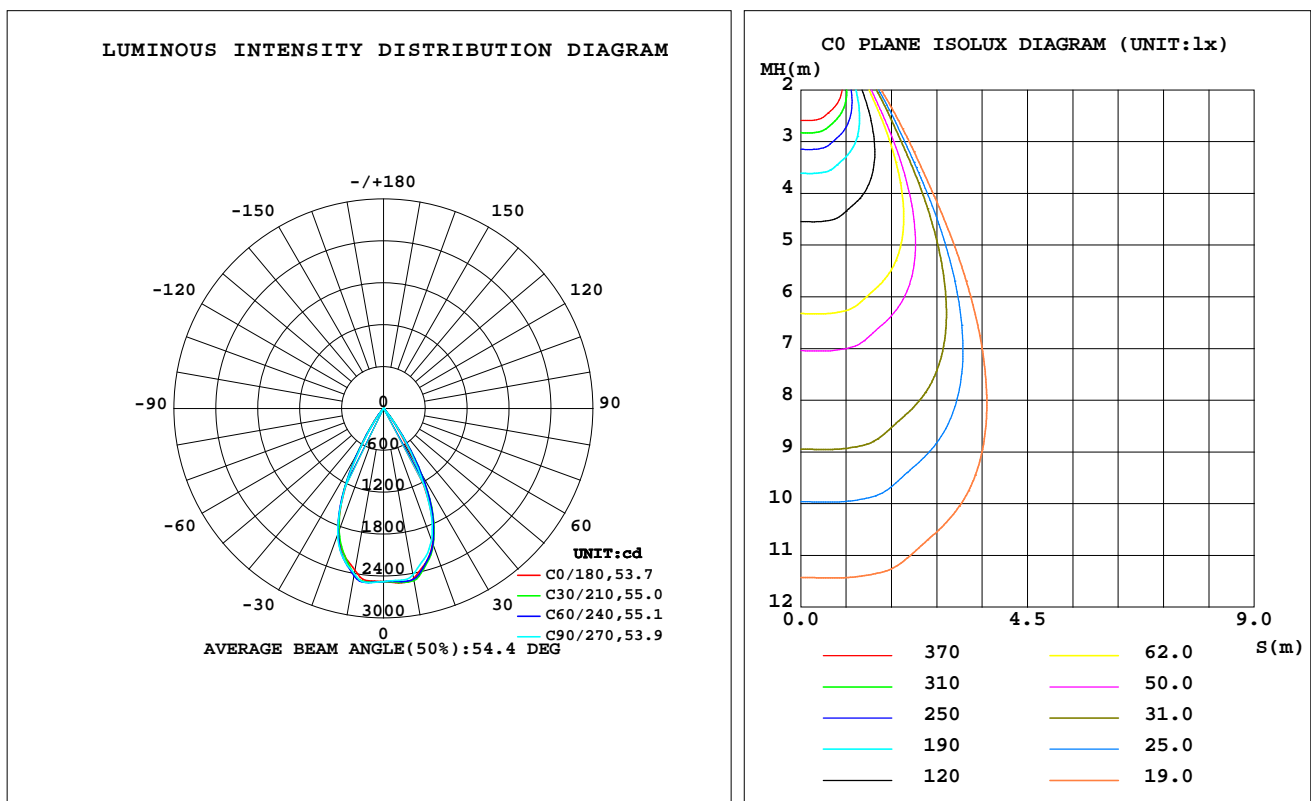
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-31

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-30G2000-C-83 Ra:90  
LENS;PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.05V I:0.2358A P:28.068W PF:0.9902 Freq:59.98Hz Lamp Flux:2916.2x1 lm		
NAME: 2418.121-ACOT-84-AM	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407310974
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.01 lm/W			
MODEL	Bridgelux	I <sub>max</sub> (cd)	2510	S/MH(C0/180)	0.77
NOMINAL POWER(W)	20	LOR(%)	61.6	S/MH(C90/270)	0.77
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1796.6	η UP,DN(C0-180)	0.0,32.2
NOMINAL FLUX(lm)	2916.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,29.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	61.6	CIBSE SHR MAX	0.85



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-31

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-30G2000-C-83 Ra:90  
LENS;PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
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	2478	2493	2422	2395	2355	2425	2406	2464	0- 10	236.3	236.3	13.2,8.1
20	2057	2076	2013	1883	1888	1882	1919	1938	10- 20	623.0	859.4	47.8,29.5
30	944.0	1098	986.6	937.5	749.2	793.6	721.1	906.7	20- 30	668.5	1528	85,52.4
40	101.7	138.3	127.6	103.7	60.60	73.50	54.30	87.10	30- 40	248.3	1776	98.9,60.9
50	2.548	2.757	1.459	2.408	1.763	2.043	1.399	2.150	40- 50	18.95	1795	99.9,61.6
60	0.7794	0.6595	0.4487	0.5583	0.6206	0.7649	0.6249	0.7898	50- 60	1.067	1796	100,61.6
70	0.1178	0.1862	0.1816	0.2095	0.1253	0.0967	0.0965	0.0857	60- 70	0.3189	1796	100,61.6
80	0.0673	0.0555	0.0530	0.0461	0.0592	0.0467	0.0484	0.0374	70- 80	0.0810	1797	100,61.6
90	0	0	0	0	0	0	0	0	80- 90	0.0410	1797	100,61.6
100	0	0	0	0	0	0	0	0	90-100	0	1797	100,61.6
110	0	0	0	0	0	0	0	0	100-110	0	1797	100,61.6
120	0	0	0	0	0	0	0	0	110-120	0	1797	100,61.6
130	0	0	0	0	0	0	0	0	120-130	0	1797	100,61.6
140	0	0	0	0	0	0	0	0	130-140	0	1797	100,61.6
150	0	0	0	0	0	0	0	0	140-150	0	1797	100,61.6
160	0	0	0	0	0	0	0	0	150-160	0	1797	100,61.6
170	0	0	0	0	0	0	0	0	160-170	0	1797	100,61.6
180	0	0	0	0	0	0	0	0	170-180	0	1797	100,61.6
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-31

$\gamma$  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-30G2000-C-83 Ra:90  
LENS;PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:120.05V I:0.2358A P:28.068W PF:0.9902 Freq:59.98Hz  
Lamp Flux:2916.2x1 lm

NAME: 2418.121-ACOT-84-AM

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

SERIAL No.: 2407310974

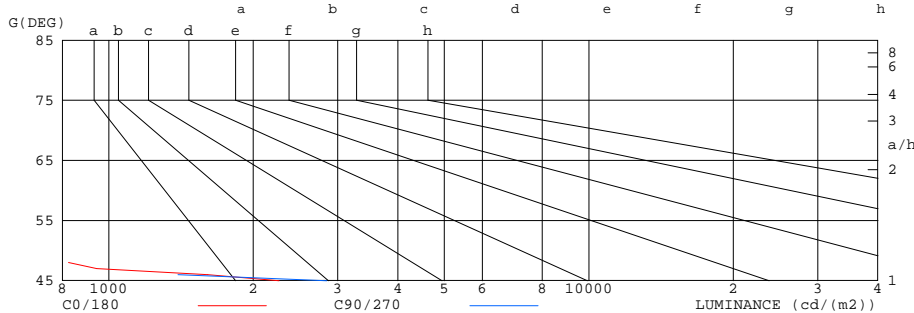
MFR.: RISE

SUR.: 0.0064m2

Shielding Angle:

#### LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	94	81
80	61	48
75	48	38
70	54	83
65	67	140
60	244	140
55	437	189
50	620	355
45	2262	2845

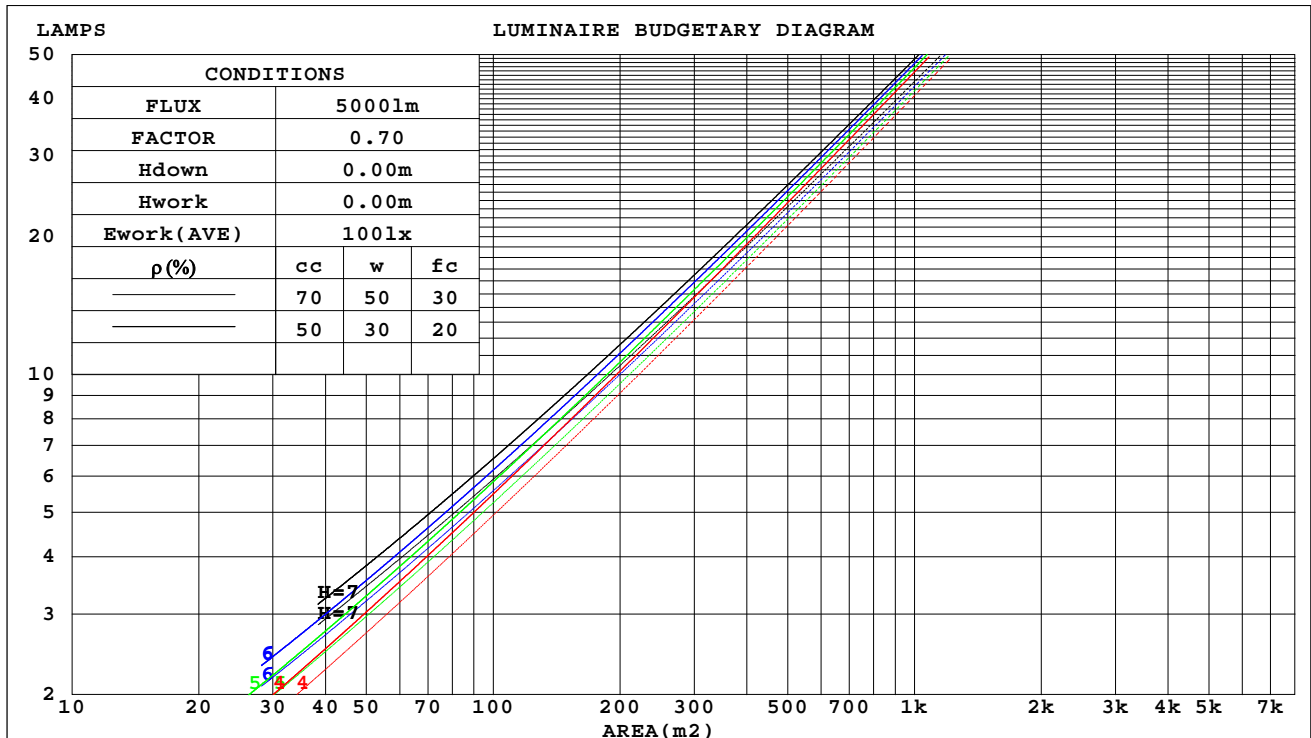
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-31

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-30G2000-C-83 Ra:90  
LENS;PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.05V I:0.2358A P:28.068W PF:0.9902 Freq:59.98Hz Lamp Flux:2916.2x1 lm		
NAME: 2418.121-ACOT-84-AM	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407310974
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	.73	.73	.73	.72	.72	.72	.68	.68	.68	.66	.66	.66	.63	.63	.63	.62														
1.0	.69	.67	.66	.67	.66	.65	.65	.64	.63	.63	.62	.61	.61	.60	.59	.58														
2.0	.65	.62	.60	.63	.61	.60	.61	.60	.58	.60	.58	.57	.58	.57	.56	.55														
3.0	.61	.58	.56	.60	.57	.55	.58	.56	.54	.57	.55	.54	.55	.54	.53	.52														
4.0	.57	.54	.52	.57	.54	.52	.55	.53	.51	.54	.52	.50	.53	.51	.50	.49														
5.0	.54	.51	.49	.54	.51	.48	.53	.50	.48	.52	.49	.47	.51	.49	.47	.46														
6.0	.51	.48	.46	.51	.48	.45	.50	.47	.45	.49	.47	.45	.48	.46	.45	.44														
7.0	.49	.45	.43	.48	.45	.43	.47	.45	.43	.47	.44	.42	.46	.44	.42	.41														
8.0	.46	.43	.41	.46	.43	.40	.45	.42	.40	.45	.42	.40	.44	.42	.40	.39														
9.0	.44	.41	.38	.44	.40	.38	.43	.40	.38	.43	.40	.38	.42	.40	.38	.37														
10.0	.42	.39	.36	.42	.38	.36	.41	.38	.36	.41	.38	.36	.40	.38	.36	.35														



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2024-7-31

```

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-30G2000-C-83 Ra:90
          LENS;PM-1083C 50R
          DRIVER: PUP40A-1WMC-850 700mA
          30minutes warm-up

```

### WEC AND CCEC

Test:U:120.05V I:0.2358A P:28.068W PF:0.9902 Freq:59.98Hz Lamp Flux:2916.2x1 lm		
NAME: 2418.121-ACOT-84-AM	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407310974
MFR.: RISE	SUR.: 0.0064m2	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	.101	.057	.018	.096	.055	.017	.089	.051	.016	.082	.047	.015	.075	.044	.014	
2.0	.095	.052	.016	.092	.051	.016	.086	.048	.015	.080	.045	.014	.074	.042	.013	
3.0	.091	.048	.014	.088	.047	.014	.082	.045	.014	.077	.042	.013	.072	.040	.012	
4.0	.086	.045	.013	.084	.044	.013	.079	.042	.013	.075	.040	.012	.071	.038	.012	
5.0	.082	.042	.012	.080	.041	.012	.076	.040	.012	.072	.038	.011	.069	.037	.011	
6.0	.079	.039	.011	.077	.039	.011	.073	.038	.011	.070	.036	.011	.067	.035	.010	
7.0	.075	.037	.011	.074	.037	.010	.071	.036	.010	.068	.035	.010	.065	.034	.010	
8.0	.072	.035	.010	.071	.035	.010	.068	.034	.010	.065	.033	.010	.063	.032	.009	
9.0	.069	.034	.009	.068	.033	.009	.066	.032	.009	.063	.032	.009	.061	.031	.009	
10.0	.067	.032	.009	.066	.032	.009	.063	.031	.009	.061	.030	.009	.059	.030	.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	.117	.117	.117	.100	.100	.100	.068	.068	.068	.039	.039	.039	.013	.013	.013		
1.0	.105	.097	.090	.090	.083	.077	.061	.057	.054	.035	.033	.031	.011	.011	.010		
2.0	.095	.082	.071	.081	.070	.061	.056	.049	.043	.032	.028	.025	.010	.009	.008		
3.0	.087	.070	.056	.074	.060	.049	.051	.042	.034	.029	.024	.020	.009	.008	.007		
4.0	.080	.061	.046	.069	.052	.040	.047	.037	.028	.027	.021	.017	.009	.007	.005		
5.0	.074	.053	.038	.064	.046	.033	.044	.032	.023	.026	.019	.014	.008	.006	.005		
6.0	.070	.048	.032	.060	.041	.028	.041	.029	.020	.024	.017	.012	.008	.006	.004		
7.0	.066	.043	.027	.056	.037	.023	.039	.026	.017	.023	.015	.010	.007	.005	.003		
8.0	.062	.039	.023	.053	.034	.020	.037	.024	.014	.022	.014	.008	.007	.005	.003		
9.0	.059	.036	.020	.051	.031	.017	.035	.022	.012	.020	.013	.007	.007	.004	.002		
10.0	.056	.033	.017	.048	.029	.015	.034	.020	.011	.020	.012	.006	.006	.004	.002		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-31

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-30G2000-C-83 Ra:90  
LENS;PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.05V I:0.2358A P:28.068W PF:0.9902 Freq:59.98Hz Lamp Flux:2916.2x1 lm										
NAME: 2418.121-ACOT-84-AM					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2407310974		
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	14.0	14.8	14.2	15.0	15.1	14.3	15.2	14.5	15.3	15.5
3H	13.8	14.6	14.1	14.8	15.0	14.1	14.9	14.4	15.1	15.3
4H	13.7	14.5	14.0	14.7	14.9	14.1	14.8	14.3	15.0	15.2
6H	13.6	14.3	13.9	14.6	14.8	14.0	14.7	14.3	14.9	15.2
8H	13.6	14.3	13.9	14.5	14.8	13.9	14.6	14.2	14.9	15.1
12H	13.5	14.2	13.9	14.4	14.7	13.9	14.5	14.2	14.8	15.1
4H 2H	13.7	14.5	14.0	14.7	14.9	14.1	14.8	14.3	15.0	15.2
3H	13.5	14.2	13.9	14.4	14.7	13.9	14.5	14.2	14.8	15.1
4H	13.4	14.0	13.8	14.3	14.6	13.8	14.4	14.1	14.7	15.0
6H	13.3	13.9	13.7	14.2	14.5	13.7	14.2	14.1	14.5	14.9
8H	13.3	13.8	13.7	14.1	14.5	13.6	14.1	14.0	14.5	14.8
12H	13.2	13.7	13.6	14.0	14.4	13.6	14.0	14.0	14.4	14.8
8H 4H	13.3	13.8	13.7	14.1	14.5	13.6	14.1	14.0	14.5	14.8
6H	13.2	13.6	13.6	14.0	14.4	13.5	13.9	14.0	14.3	14.7
8H	13.1	13.5	13.6	13.9	14.3	13.5	13.8	13.9	14.2	14.7
12H	13.1	13.4	13.5	13.8	14.3	13.4	13.7	13.9	14.2	14.6
12H 4H	13.2	13.7	13.6	14.0	14.4	13.6	14.0	14.0	14.4	14.8
6H	13.1	13.5	13.6	13.9	14.3	13.5	13.8	13.9	14.2	14.7
8H	13.1	13.4	13.5	13.8	14.3	13.4	13.7	13.9	14.2	14.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.9 / -24.7					+ 4.3 / -28.1				
1.5H	+ 6.7 / -23.3					+ 7.1 / -26.6				
2.0H	+ 7.9 / -10.1					+ 7.9 / -10.4				

CIE Pub.117, 2916 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.7)  
Area: 0.0064 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-31

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-30G2000-C-83 Ra:90  
LENS;PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:120.05V I:0.2358A P:28.068W PF:0.9902 Freq:59.98Hz Lamp Flux:2916.2x1 lm		
NAME: 2418.121-ACOT-84-AM	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407310974
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:

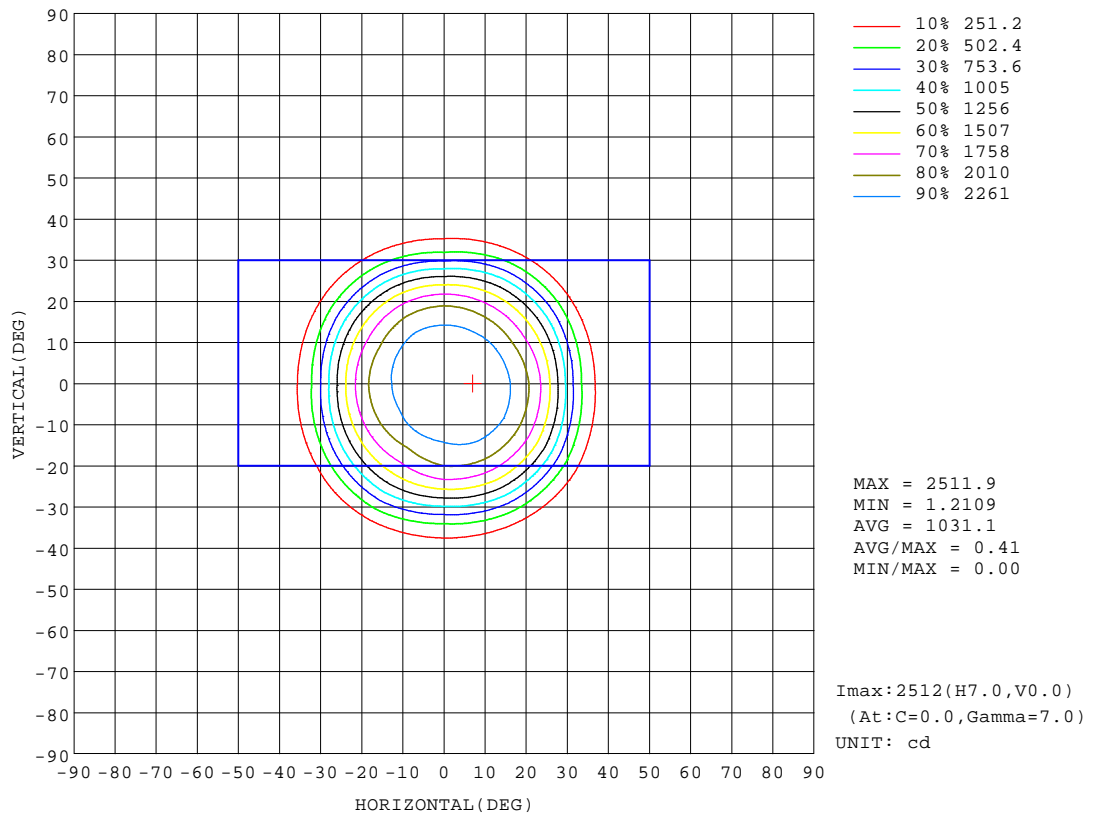
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	52	50	56	52	50	55	52	50	48
0.80	60	57	55	60	57	55	59	57	55	53
1.00	63	60	58	62	59	57	61	59	57	55
1.25	65	62	60	64	62	60	63	61	59	57
1.50	66	64	62	66	63	62	64	62	61	58
2.00	68	65	64	67	65	63	65	64	62	59
2.50	69	66	65	68	66	64	66	64	63	60
3.00	69	68	66	68	67	65	66	65	64	60
4.00	71	69	68	69	68	67	67	66	65	61
5.00	71	70	69	70	69	68	68	67	66	62
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:2024-7-31

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-30G2000-C-83 Ra:90  
LENS;PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:120.05V I:0.2358A P:28.068W PF:0.9902 Freq:59.98Hz Lamp Flux:2916.2x1 lm		
NAME: 2418.121-ACOT-84-AM	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407310974
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:

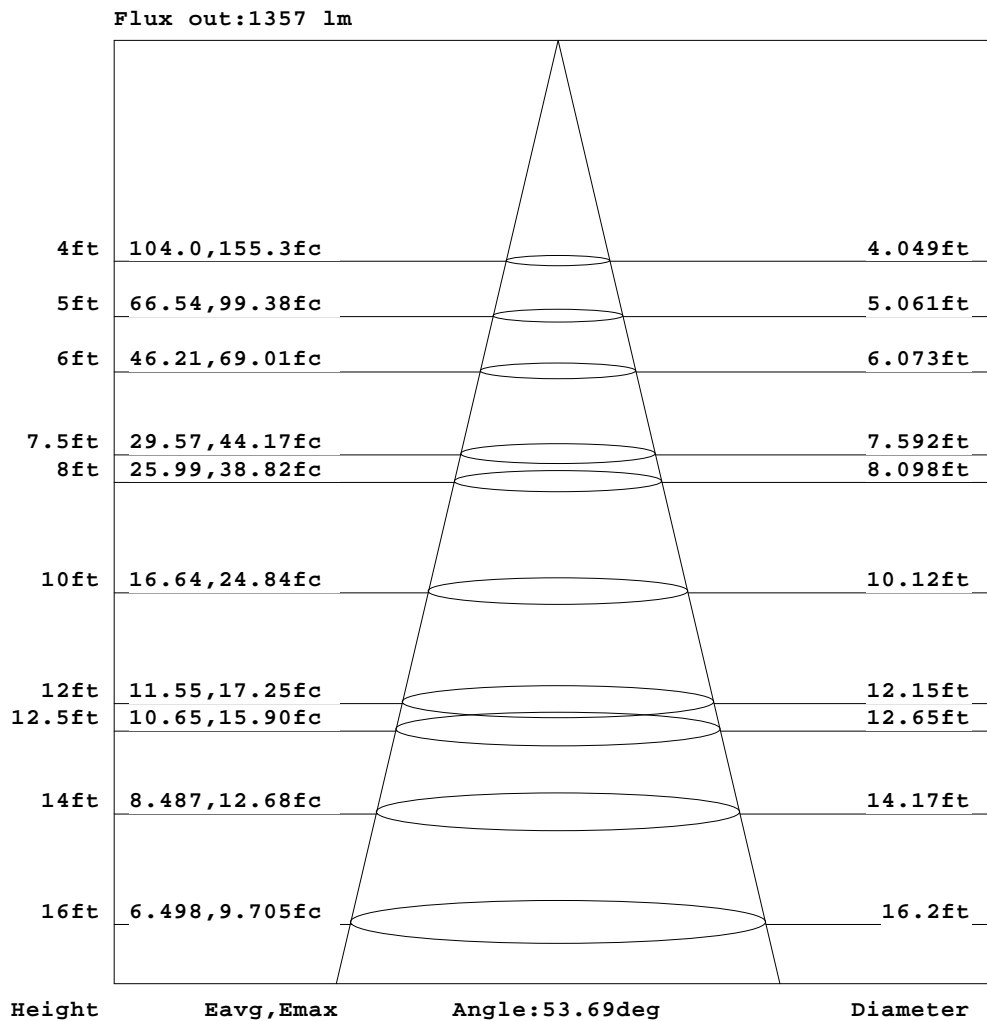


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-31

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-30G2000-C-83 Ra:90  
LENS;PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
30minutes warm-up

## AAI Figure

Test:U:120.05V I:0.2358A P:28.068W PF:0.9902 Freq:59.98Hz Lamp Flux:2916.2x1 lm		
NAME: 2418.121-ACOT-84-AM	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407310974
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:



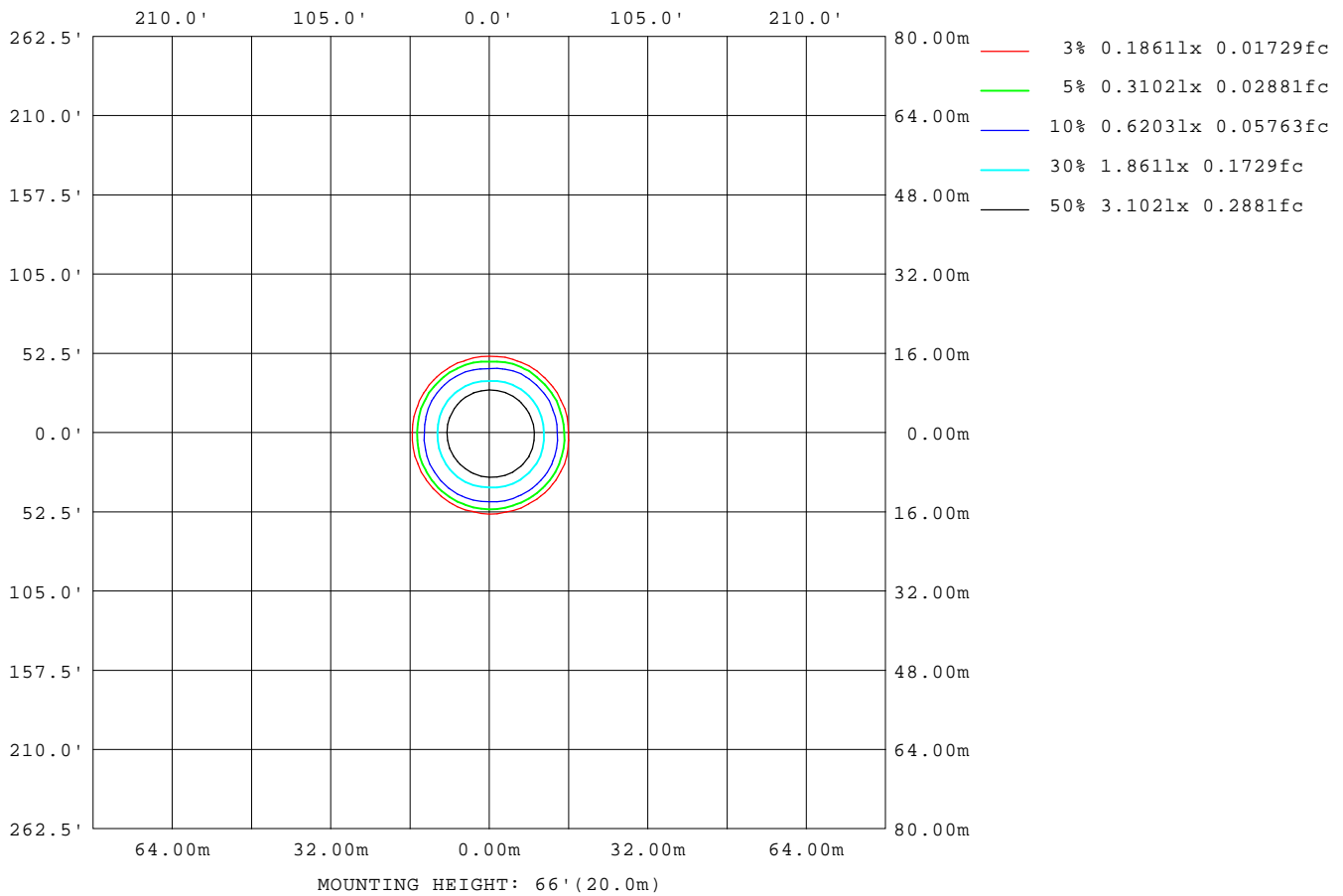
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2024-7-31

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-30G2000-C-83 Ra: 90  
LENS: PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:120.05V I:0.2358A P:28.068W PF:0.9902 Freq:59.98Hz Lamp Flux:2916.2x1 lm		
NAME: 2418.121-ACOT-84-AM	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407310974
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:2024-7-31

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-30G2000-C-83 Ra:90  
LENS;PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
30minutes warm-up

### LED Avg.L Report

Test:U:120.05V I:0.2358A P:28.068W PF:0.9902 Freq:59.98Hz Lamp Flux:2916.2x1 lm		
NAME: 2418.121-ACOT-84-AM	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407310974
MFR.: RISE	SUR.: 0.0064m2	Shielding Angle:

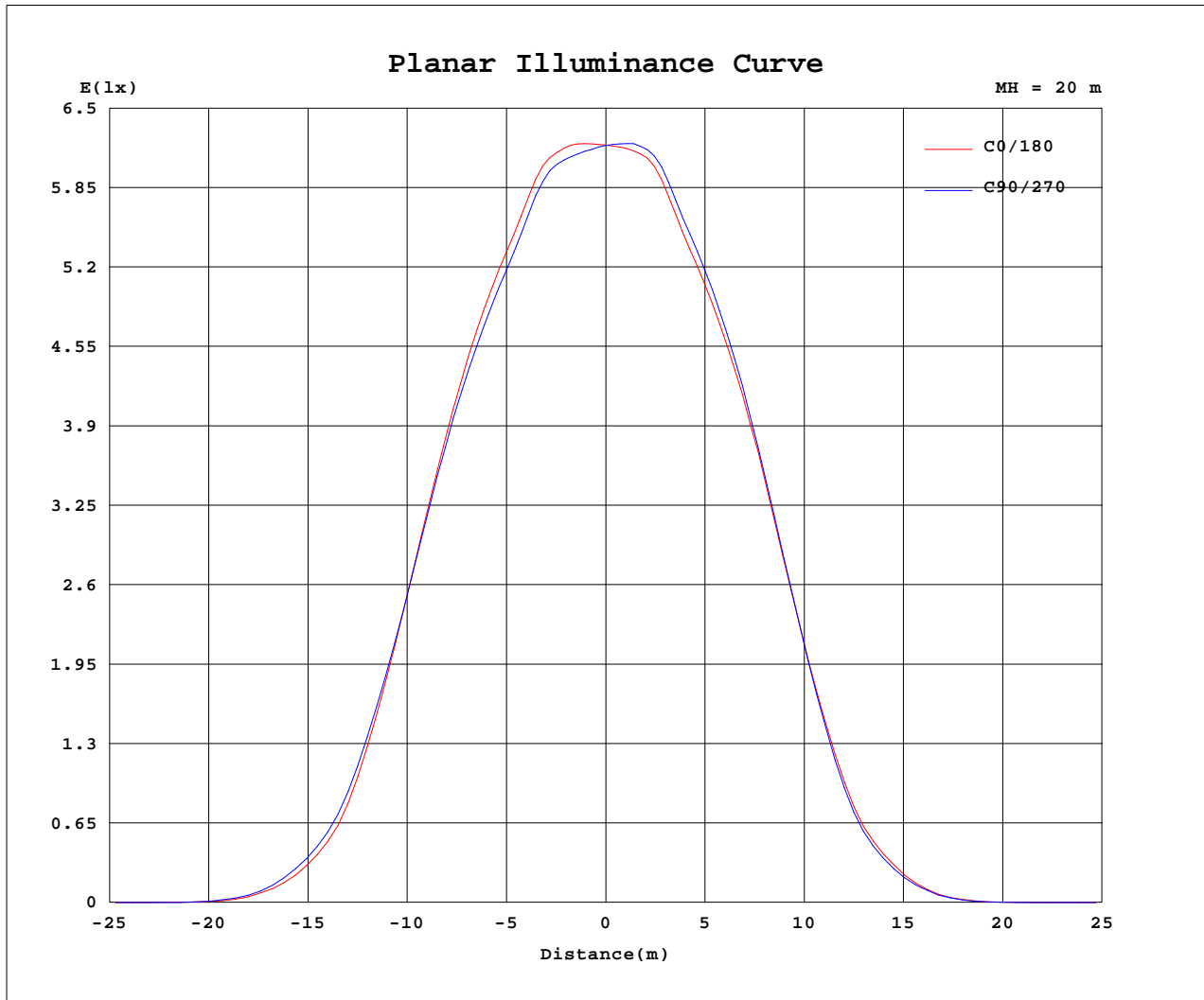
AvgL	cd/m2
L_0~180(65)av	63
L_0~180(75)av	45
L_0~180(85)av	89
L_90~270(65)av	99
L_90~270(75)av	36
L_90~270(85)av	78
L_45(65)av	119
L_45(75)av	38
L_45(85)av	60

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-7-31

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-30G2000-C-83 Ra:90  
LENS;PM-1083C 50R  
DRIVER: PUP40A-1WMC-850 700mA  
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: 2024-7-31

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-30G2000-C-83 Ra: 90  
 LENS: PM-1083C 50R  
 DRIVER: PUP40A-1WMC-850 700mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.05V I:0.2358A P:28.068W PF:0.9902 Freq:59.98Hz Lamp Flux:2916.2x1 lm		
NAME: 2418.121-ACOT-84-AM	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2407310974
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	2478	2478	2478	2478	2478	2478	2478	2478	2478	2478	2478	2478						
5	2506	2502	2487	2469	2459	2463	2477	2492	2502	2504	2504	2506						
10	2478	2503	2483	2422	2417	2374	2355	2416	2435	2406	2447	2482						
15	2301	2332	2308	2237	2178	2162	2176	2177	2224	2227	2236	2272						
20	2057	2086	2067	2013	1878	1888	1888	1863	1900	1919	1920	1956						
25	1598	1679	1661	1584	1507	1443	1375	1402	1413	1383	1469	1528						
30	944	1099	1097	987	995	880	749	799	788	721	872	942						
35	364	483	485	420	441	350	287	291	275	262	322	366						
40	102	137	139	128	116	91.0	60.6	76.8	70.2	54.3	80.3	93.9						
45	10.2	26.8	24.8	12.9	20.2	13.0	4.49	11.2	8.82	3.18	12.0	16.0						
50	2.55	3.15	2.36	1.46	2.36	2.46	1.76	2.31	1.78	1.40	1.88	2.42						
55	1.60	1.23	0.82	0.70	0.73	0.91	1.38	1.29	1.08	1.12	1.13	1.22						
60	0.78	0.78	0.54	0.45	0.52	0.60	0.62	0.82	0.71	0.62	0.78	0.80						
65	0.18	0.32	0.36	0.38	0.40	0.29	0.16	0.26	0.27	0.16	0.30	0.27						
70	0.12	0.14	0.23	0.18	0.24	0.18	0.13	0.10	0.10	0.10	0.08	0.09						
75	0.08	0.07	0.07	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05						
80	0.07	0.06	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.05	0.04	0.04						
85	0.05	0.04	0.04	0.05	0.04	0.03	0.05	0.03	0.04	0.04	0.03	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:2024-7-31

γ Range: 0 - 180DEG  
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