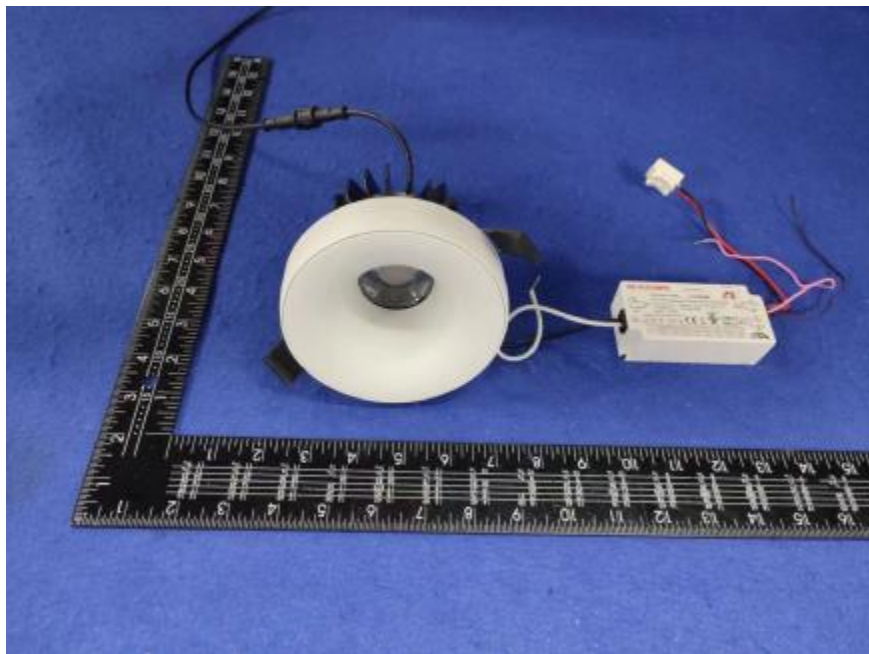


### Luminaire Photograph



Light Output Ratio:	83.7%	
Luminaire Power:	19.98 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: 2023-11-2

$\gamma$  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

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

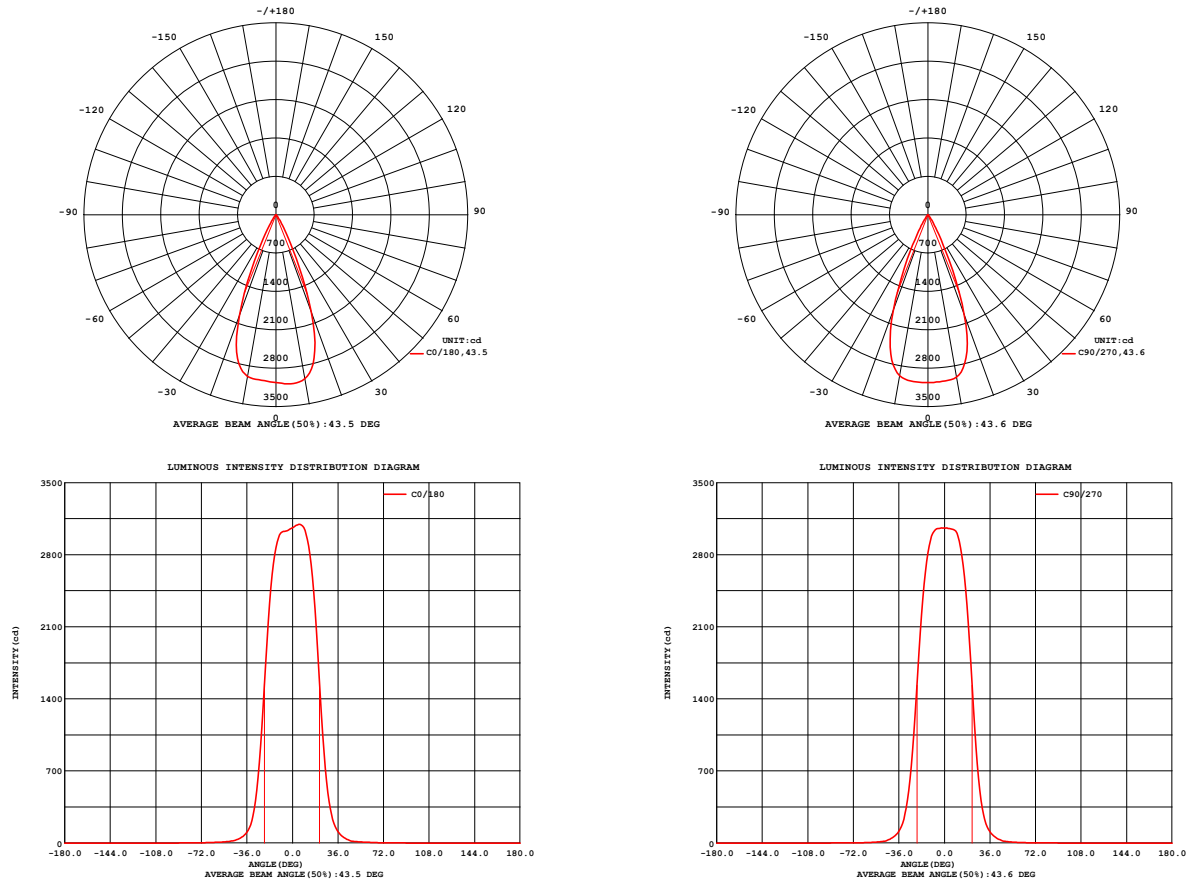


Fig. C0/C180

Fig. C90/C270

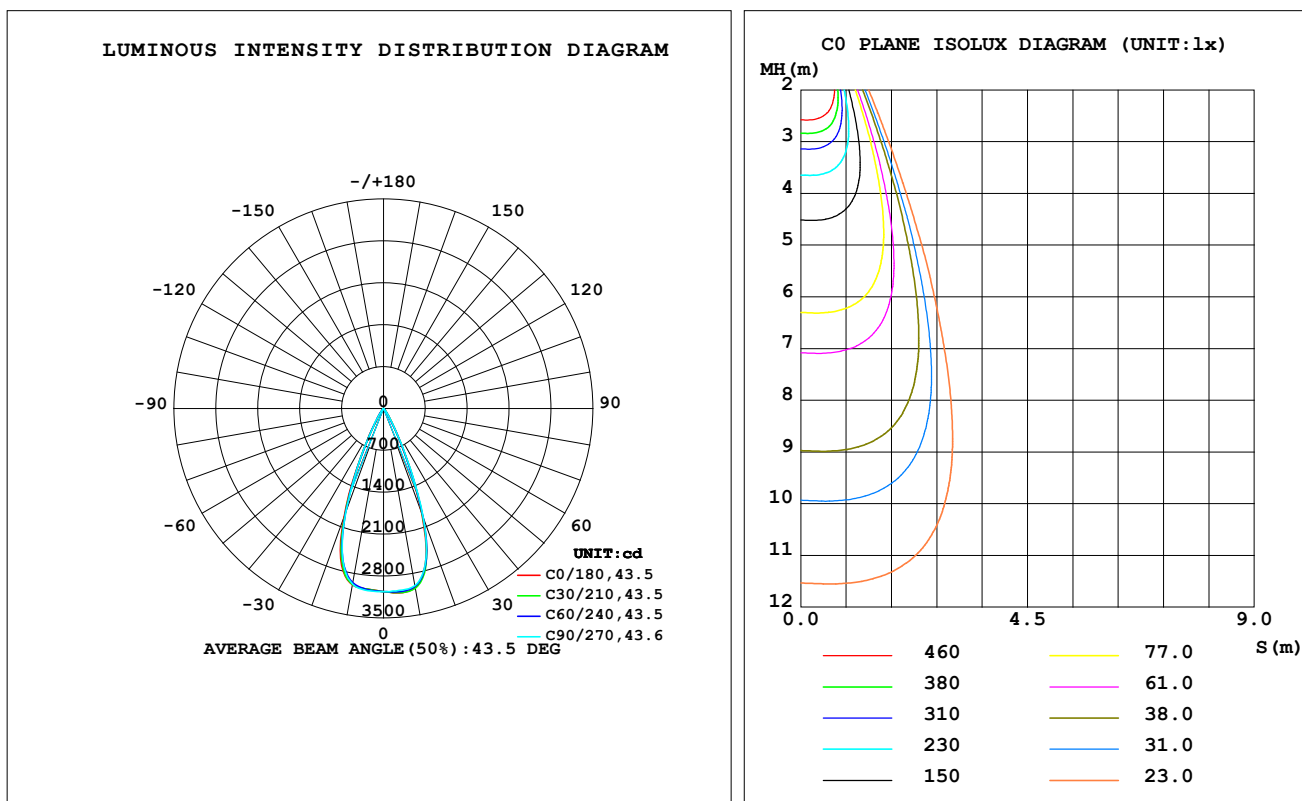
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: zoe  
 Test Date: 2023-11-2

$\gamma$  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:120.10V I:0.1673A P:19.984W PF:0.9936 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021301
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 78.54 lm/W
MODEL	Bridgelux	I <sub>max</sub> (cd)	3094	S/MH (C0/180)		0.65
NOMINAL POWER(W)	20	LOR(%)	83.7	S/MH (C90/270)		0.64
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1569.5	η UP,DN (C0-180)		0.0,42.1
NOMINAL FLUX(lm)	1874.5	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,41.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.50
TEST VOLTAGE (V)	120	η down (%)	83.7	CIBSE SHR MAX		0.60



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-11-2

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	3034	3035	3008	2970	2993	2971	2981	2996	0- 10	290.1	290.1	18.5,15.5
20	1879	1933	1941	1920	1951	1882	1853	1843	10- 20	719.9	1010	64.4,53.9
30	330.8	319.0	334.6	339.7	329.1	327.6	341.3	329.5	20- 30	432.4	1442	91.9,76.9
40	59.85	57.76	59.18	59.10	56.06	56.03	59.37	59.58	30- 40	91.71	1534	97.7,81.8
50	13.97	13.81	12.83	14.37	15.49	14.06	13.09	14.05	40- 50	22.52	1557	99.2,83
60	6.996	6.116	5.047	6.342	7.116	5.995	4.803	6.070	50- 60	8.306	1565	99.7,83.5
70	2.280	1.813	1.226	1.838	2.469	1.752	1.148	1.623	60- 70	3.630	1569	99.9,83.7
80	0.2988	0.1862	0.1233	0.1551	0.3223	0.2029	0.1130	0.1324	70- 80	0.8127	1569	100,83.7
90	0	0	0	0	0	0	0	0	80- 90	0.0790	1569	100,83.7
100	0	0	0	0	0	0	0	0	90-100	0	1569	100,83.7
110	0	0	0	0	0	0	0	0	100-110	0	1569	100,83.7
120	0	0	0	0	0	0	0	0	110-120	0	1569	100,83.7
130	0	0	0	0	0	0	0	0	120-130	0	1569	100,83.7
140	0	0	0	0	0	0	0	0	130-140	0	1569	100,83.7
150	0	0	0	0	0	0	0	0	140-150	0	1569	100,83.7
160	0	0	0	0	0	0	0	0	150-160	0	1569	100,83.7
170	0	0	0	0	0	0	0	0	160-170	0	1569	100,83.7
180	0	0	0	0	0	0	0	0	170-180	0	1569	100,83.7
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-2

$\gamma$  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:120.10V I:0.1673A P:19.984W PF:0.9936 Freq:59.98Hz  
Lamp Flux:1874.5x1 lm

NAME: 2318.223-LEA-15

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

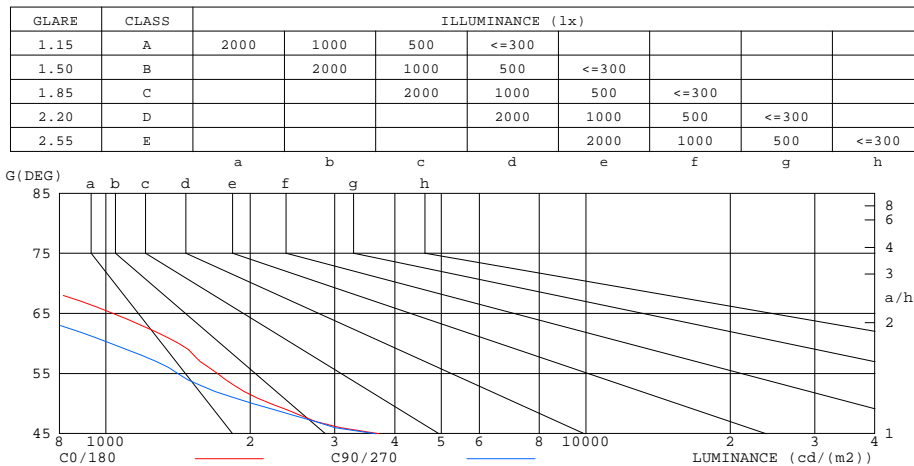
SERIAL No.: 2311021301

MFR.: RISE

SUR.: 0.00984704m2

Shielding Angle:

## LUMINANCE LIMITATION CURVES



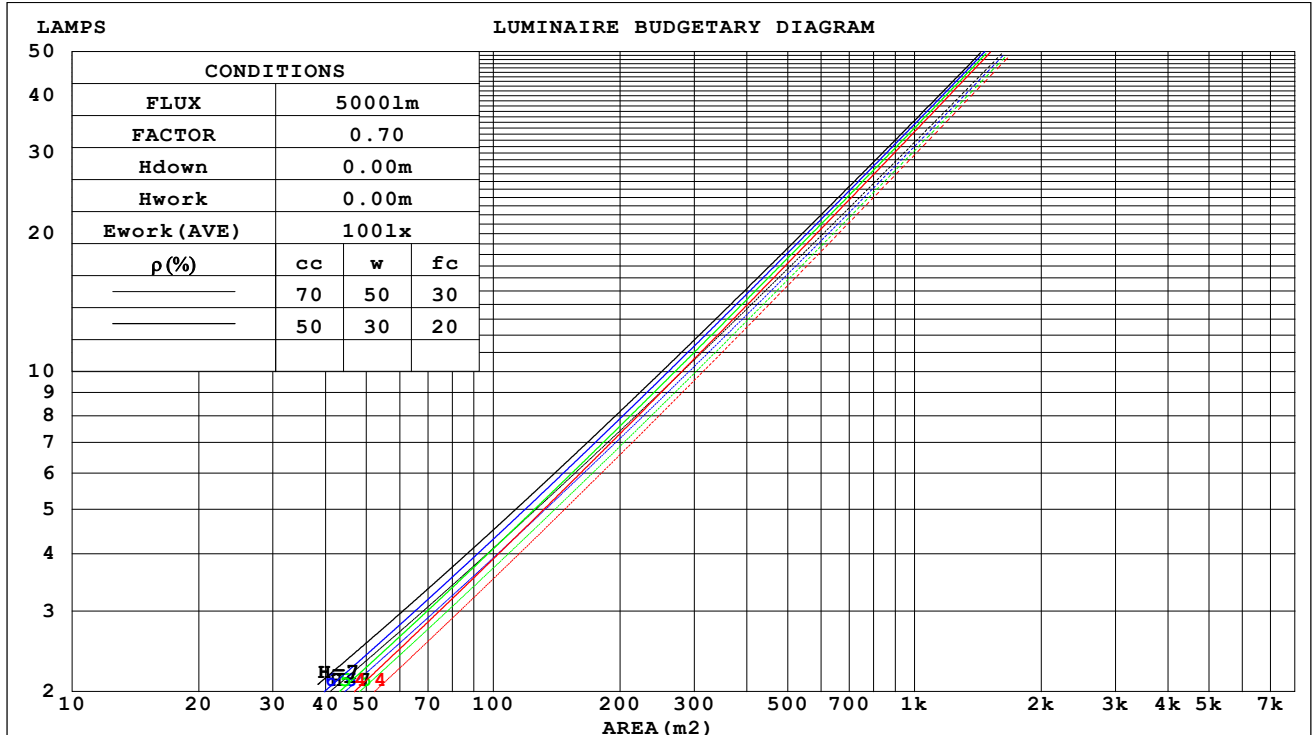
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-2

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:120.10V I:0.1673A P:19.984W PF:0.9936 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021301
MFR.: RISE	SUR.: 0.00984704m2	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	.00	.00	.00	.97	.97	.97	.93	.93	.93	.89	.89	.89	.85	.85	.85	.84
1.0	.94	.92	.90	.92	.90	.89	.89	.87	.86	.86	.85	.84	.83	.82	.81	.80
2.0	.89	.86	.83	.87	.85	.82	.85	.82	.81	.82	.80	.79	.80	.79	.77	.76
3.0	.84	.81	.78	.83	.80	.77	.81	.78	.76	.79	.77	.75	.77	.75	.74	.72
4.0	.80	.76	.73	.79	.75	.73	.77	.74	.72	.76	.73	.71	.74	.72	.70	.69
5.0	.76	.72	.69	.75	.72	.69	.74	.71	.68	.73	.70	.68	.71	.69	.67	.66
6.0	.73	.69	.66	.72	.68	.65	.71	.68	.65	.70	.67	.65	.69	.66	.64	.63
7.0	.70	.65	.63	.69	.65	.62	.68	.65	.62	.67	.64	.62	.66	.64	.61	.60
8.0	.67	.63	.60	.66	.62	.60	.65	.62	.59	.65	.61	.59	.64	.61	.59	.58
9.0	.64	.60	.57	.64	.60	.57	.63	.59	.57	.62	.59	.57	.62	.59	.57	.56
10.0	.61	.57	.55	.61	.57	.55	.61	.57	.55	.60	.57	.54	.59	.56	.54	.53



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-2

$\gamma$  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:120.10V I:0.1673A P:19.984W PF:0.9936 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021301
MFR.: RISE	SUR.: 0.00984704m2	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	.128	.073	.023	.123	.070	.022	.112	.064	.021	.103	.059	.019	.094	.054	.018		
2.0	.121	.066	.020	.116	.064	.020	.107	.060	.019	.099	.056	.017	.092	.052	.016		
3.0	.114	.060	.018	.110	.059	.018	.102	.056	.017	.096	.052	.016	.089	.050	.015		
4.0	.107	.056	.016	.104	.055	.016	.098	.052	.016	.092	.049	.015	.087	.047	.014		
5.0	.102	.052	.015	.099	.051	.015	.094	.049	.014	.089	.047	.014	.084	.045	.014		
6.0	.097	.049	.014	.095	.048	.014	.090	.046	.013	.086	.045	.013	.082	.043	.013		
7.0	.093	.046	.013	.091	.045	.013	.087	.044	.013	.083	.042	.012	.079	.041	.012		
8.0	.089	.043	.012	.087	.043	.012	.083	.042	.012	.080	.040	.012	.077	.039	.011		
9.0	.085	.041	.012	.084	.041	.011	.080	.040	.011	.077	.039	.011	.074	.038	.011		
10.0	.082	.039	.011	.080	.039	.011	.078	.038	.011	.075	.037	.011	.072	.036	.010		

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	.159	.159	.159	.136	.136	.136	.093	.093	.093	.053	.053	.053	.017	.017	.017	
1.0	.142	.132	.123	.121	.113	.106	.083	.078	.073	.048	.045	.043	.015	.015	.014	
2.0	.128	.111	.097	.109	.096	.084	.075	.066	.059	.043	.038	.034	.014	.012	.011	
3.0	.116	.095	.078	.099	.082	.068	.068	.057	.048	.039	.033	.028	.013	.011	.009	
4.0	.106	.082	.064	.091	.071	.056	.063	.050	.039	.036	.029	.023	.012	.009	.008	
5.0	.098	.072	.053	.084	.062	.046	.058	.044	.033	.034	.026	.019	.011	.008	.006	
6.0	.091	.064	.045	.079	.056	.039	.054	.039	.027	.031	.023	.016	.010	.007	.005	
7.0	.086	.058	.038	.074	.050	.033	.051	.035	.023	.030	.021	.014	.010	.007	.005	
8.0	.080	.052	.033	.069	.045	.028	.048	.032	.020	.028	.019	.012	.009	.006	.004	
9.0	.076	.048	.028	.066	.041	.025	.045	.029	.017	.026	.017	.010	.009	.006	.003	
10.0	.072	.044	.025	.062	.038	.022	.043	.027	.015	.025	.016	.009	.008	.005	.003	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-2

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:120.10V I:0.1673A P:19.984W PF:0.9936 Freq:59.98Hz Lamp Flux:1874.5x1 lm										
NAME: 2318.223-LEA-15					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2311021301		
MFR.: RISE					SUR.: 0.00984704m2			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	7.2	8.0	7.4	8.1	8.3	6.9	7.7	7.1	7.8	8.0
3H	7.1	7.8	7.4	8.0	8.2	6.8	7.5	7.0	7.7	7.9
4H	7.1	7.7	7.3	7.9	8.2	6.7	7.4	7.0	7.6	7.8
6H	7.0	7.6	7.3	7.8	8.1	6.6	7.3	6.9	7.5	7.7
8H	6.9	7.5	7.2	7.8	8.0	6.6	7.2	6.9	7.4	7.7
12H	6.9	7.5	7.2	7.7	8.0	6.5	7.1	6.8	7.4	7.7
4H 2H	7.0	7.7	7.3	7.9	8.1	6.7	7.4	7.0	7.6	7.8
3H	7.0	7.5	7.3	7.8	8.1	6.6	7.2	6.9	7.5	7.7
4H	6.9	7.4	7.2	7.7	8.0	6.5	7.1	6.9	7.4	7.7
6H	6.8	7.3	7.2	7.6	7.9	6.4	6.9	6.8	7.2	7.6
8H	6.8	7.2	7.1	7.5	7.9	6.4	6.8	6.8	7.2	7.5
12H	6.7	7.1	7.1	7.5	7.9	6.3	6.7	6.7	7.1	7.5
8H 4H	6.7	7.2	7.1	7.5	7.9	6.4	6.8	6.8	7.2	7.5
6H	6.6	7.0	7.1	7.4	7.8	6.3	6.6	6.7	7.0	7.4
8H	6.6	6.9	7.0	7.3	7.8	6.2	6.5	6.7	7.0	7.4
12H	6.5	6.8	7.0	7.2	7.7	6.2	6.4	6.6	6.9	7.3
12H 4H	6.7	7.1	7.1	7.5	7.9	6.3	6.7	6.7	7.1	7.5
6H	6.6	6.9	7.0	7.3	7.8	6.2	6.5	6.7	7.0	7.4
8H	6.5	6.8	7.0	7.2	7.7	6.2	6.4	6.6	6.9	7.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.0 / - 5.2					+ 3.3 / - 6.5				
1.5H	+ 5.1 / - 4.0					+ 5.3 / - 4.8				
2.0H	+ 3.6 / - 2.2					+ 4.3 / - 3.2				

CIE Pub.117, 1875 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.2)  
Area: 0.00984704 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-2

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:120.10V I:0.1673A P:19.984W PF:0.9936 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021301
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

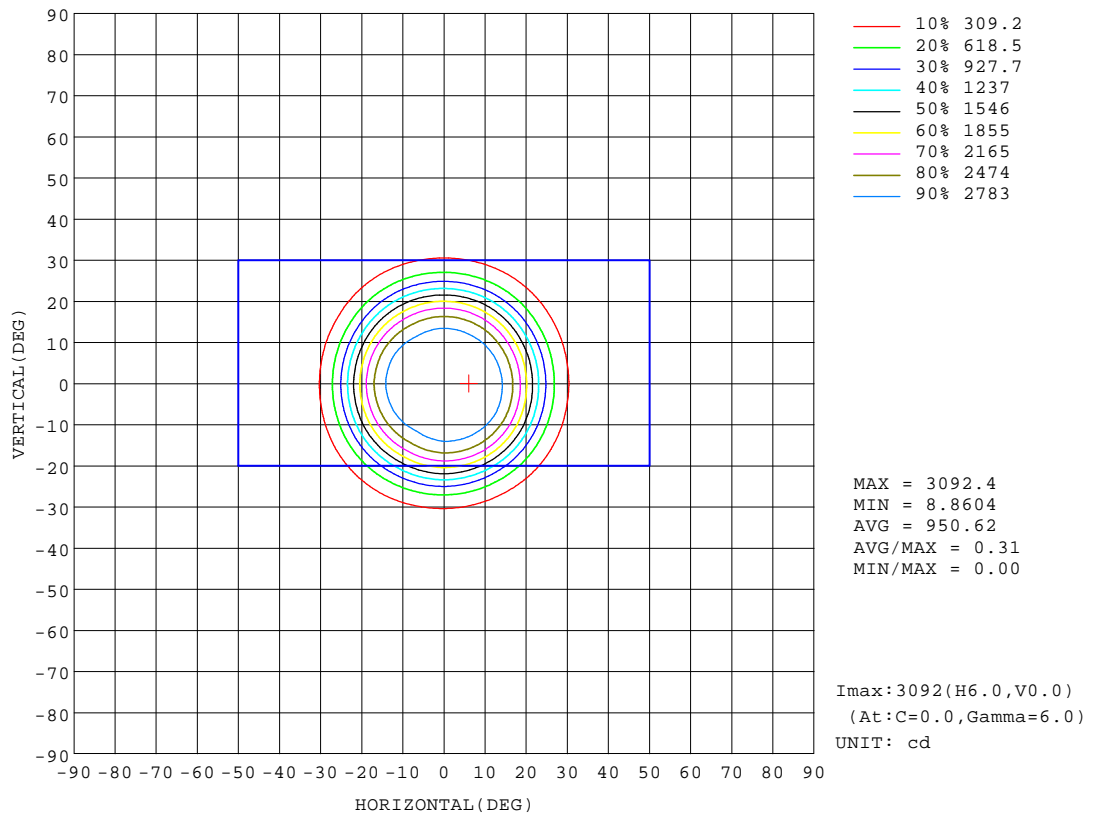
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	76	71	68	75	70	68	74	70	67	65
0.80	81	77	74	81	77	74	80	76	74	71
1.00	85	80	78	84	80	77	83	80	77	74
1.25	88	84	81	87	83	81	85	82	80	77
1.50	90	86	84	89	86	83	87	84	82	79
2.00	92	89	86	91	88	85	88	86	84	80
2.50	93	90	88	92	89	87	89	87	85	81
3.00	94	92	89	93	90	89	90	88	87	81
4.00	96	94	92	94	92	91	91	90	89	83
5.00	97	95	94	95	94	92	92	91	90	83
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: 2023-11-2

$\gamma$  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

## ISOCANDELA DIAGRAM

Test:U:120.10V I:0.1673A P:19.984W PF:0.9936 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021301
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

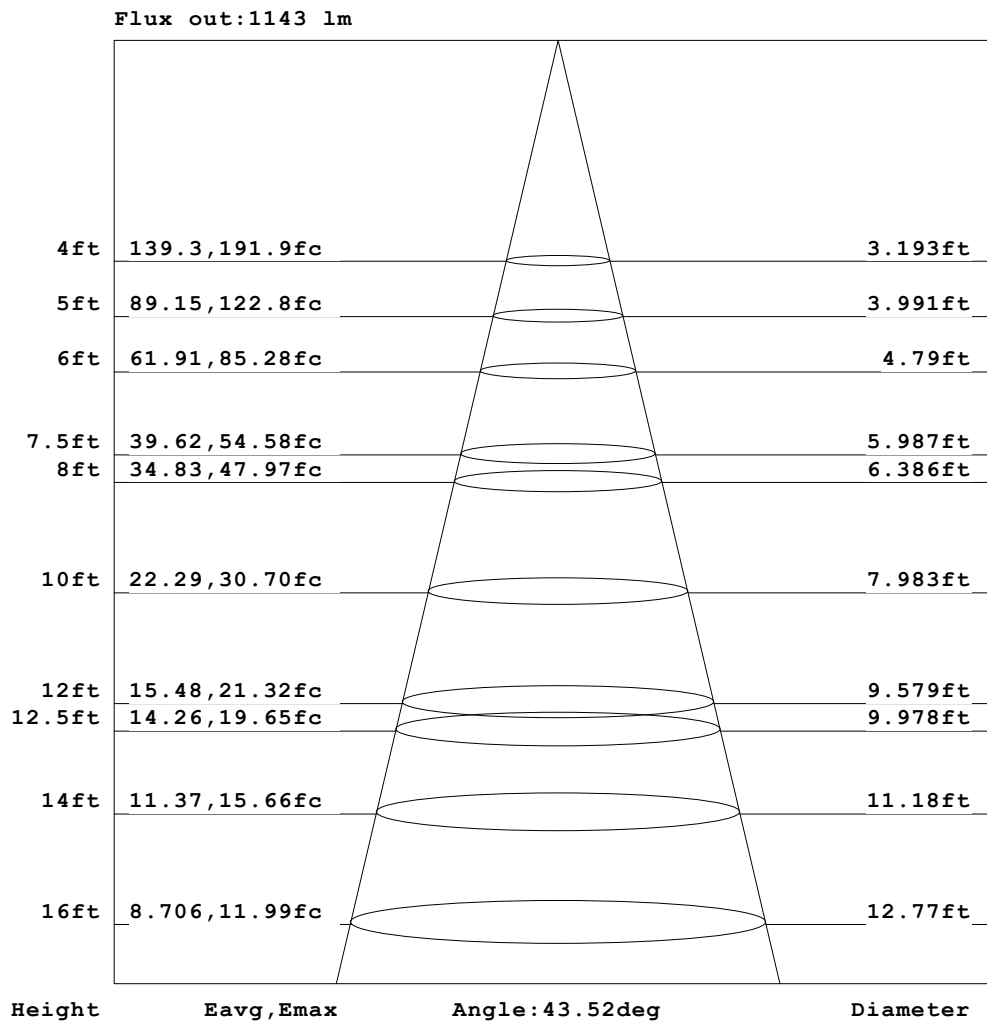


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-2

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:120.10V I:0.1673A P:19.984W PF:0.9936 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021301
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:



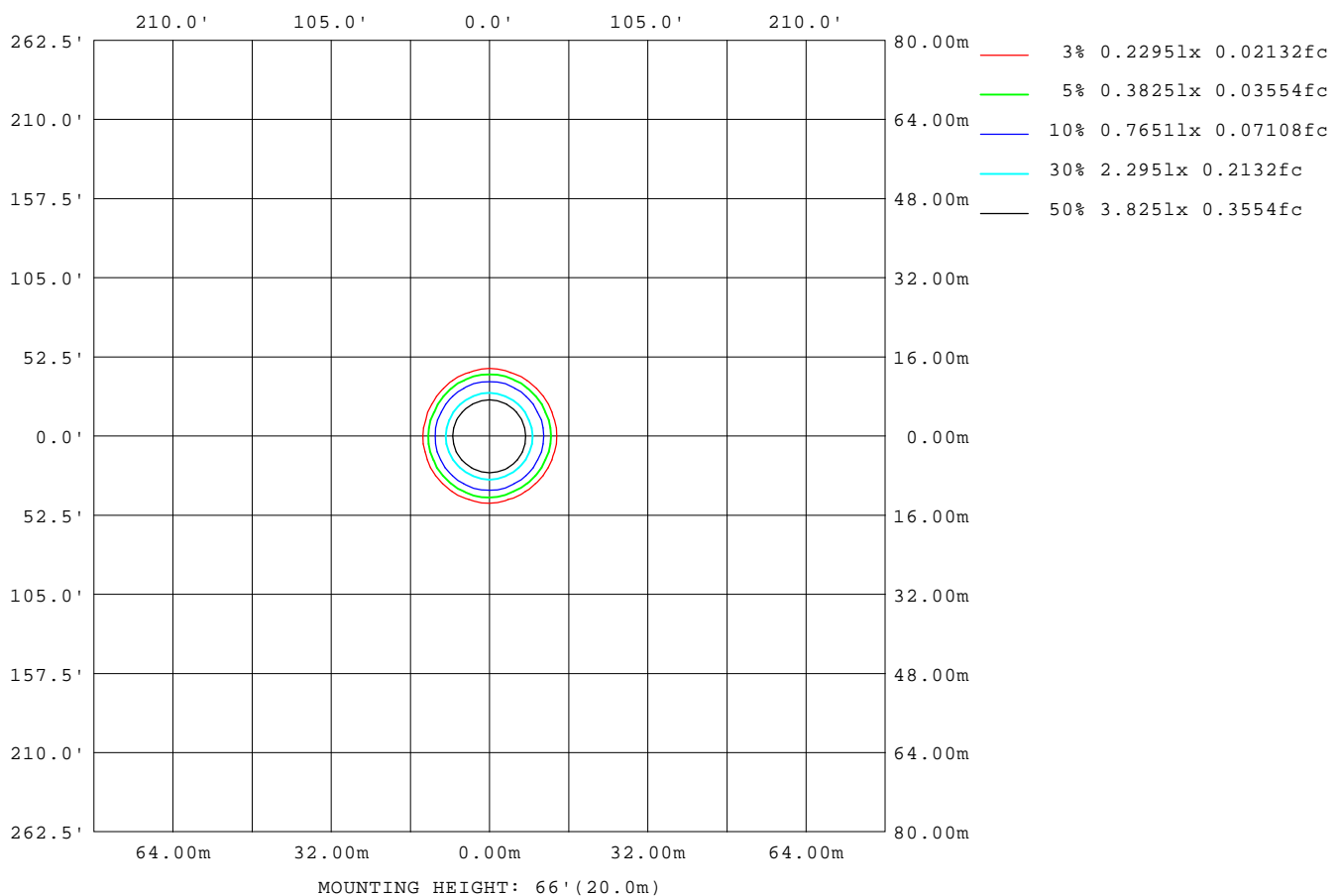
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-11-2

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:120.10V I:0.1673A P:19.984W PF:0.9936 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021301
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-11-2

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:120.10V I:0.1673A P:19.984W PF:0.9936 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021301
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

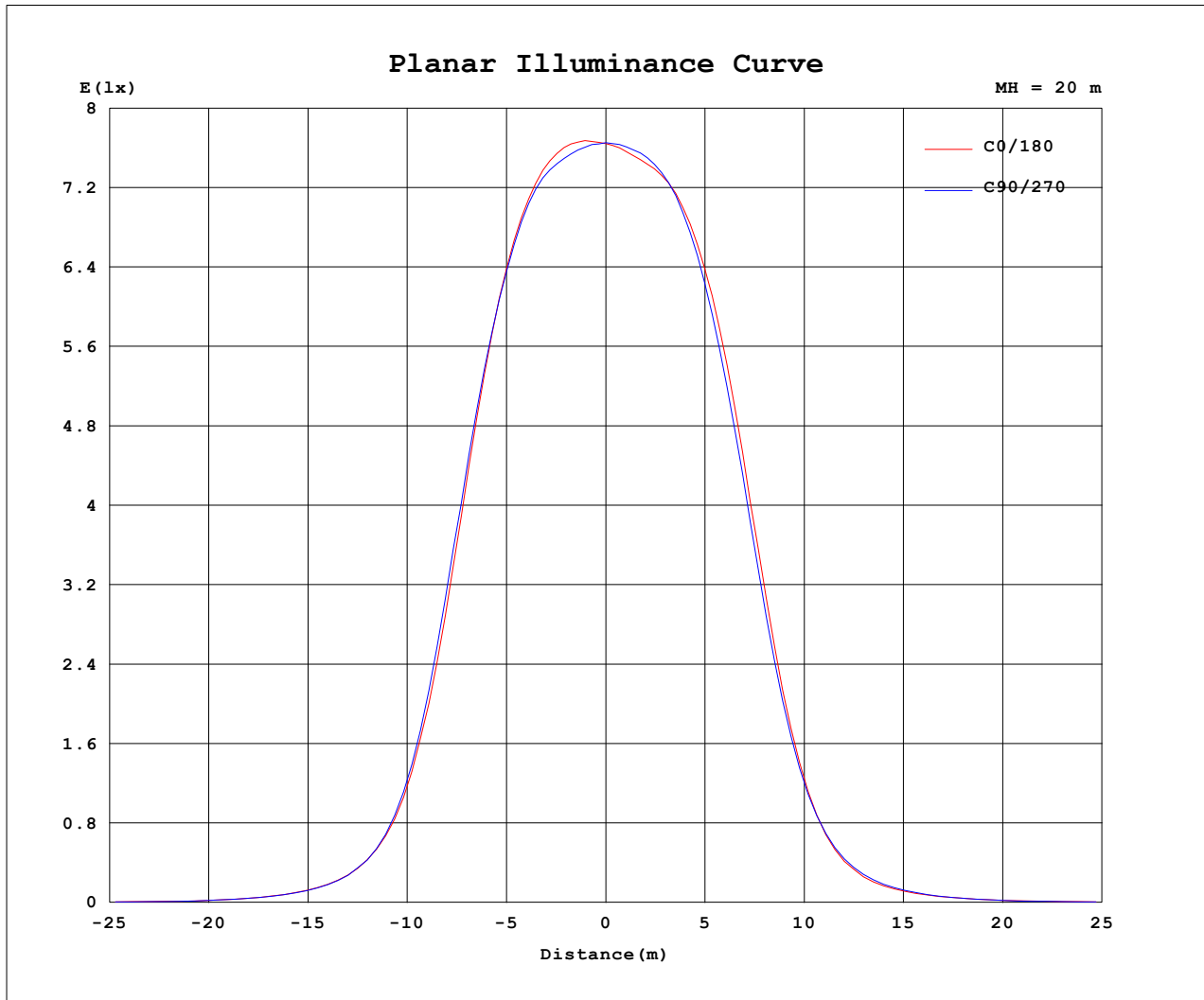
AvgL	cd/m2
L_0~180 (65) av	1058
L_0~180 (75) av	397
L_0~180 (85) av	98
L_90~270 (65) av	641
L_90~270 (75) av	164
L_90~270 (85) av	65
L_45 (65) av	861
L_45 (75) av	250
L_45 (85) av	61

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-11-2

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: 2023-11-2

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:120.10V I:0.1673A P:19.984W PF:0.9936 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021301
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3060	3060	3060	3060	3060	3060	3060	3060	3060	3060	3060	3060						
5	3094	3089	3072	3050	3028	3024	3029	3029	3038	3054	3066	3083						
10	3034	3050	3021	3008	2955	2986	2993	2988	2955	2981	2973	3018						
15	2702	2732	2712	2696	2641	2685	2713	2682	2623	2629	2634	2661						
20	1879	1921	1944	1941	1903	1937	1951	1905	1859	1853	1844	1841						
25	892	894	895	933	920	944	944	902	908	900	884	871						
30	331	323	315	335	341	339	329	318	337	341	334	325						
35	135	130	125	133	134	132	124	121	131	135	135	133						
40	59.8	58.7	56.9	59.2	59.2	59.0	56.1	54.8	57.2	59.4	59.9	59.3						
45	25.9	26.4	24.8	25.4	26.6	28.2	27.5	26.6	25.4	25.0	26.7	26.2						
50	14.0	14.5	13.2	12.8	13.2	15.5	15.5	14.9	13.2	13.1	13.7	14.4						
55	9.66	9.57	8.31	7.97	8.64	9.99	9.96	9.64	8.35	7.88	8.45	9.64						
60	7.00	6.75	5.48	5.05	5.68	7.00	7.12	6.65	5.34	4.80	5.48	6.66						
65	4.31	4.14	3.09	2.76	3.23	4.23	4.50	4.05	2.97	2.58	3.03	3.87						
70	2.28	2.19	1.44	1.23	1.52	2.15	2.47	2.14	1.36	1.15	1.39	1.86						
75	0.96	0.89	0.51	0.44	0.52	0.80	1.06	0.87	0.47	0.39	0.47	0.65						
80	0.30	0.24	0.13	0.12	0.14	0.17	0.32	0.23	0.17	0.11	0.11	0.15						
85	0.08	0.05	0.05	0.05	0.03	0.04	0.09	0.05	0.16	0.06	0.03	0.04						
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:2023-11-2

γ Range: 0 - 180DEG  
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