

## Luminaire Photograph



Light Output Ratio:	54.3%	
Luminaire Power:	17.68 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Zoe  
Test Date: 2023-3-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: BXRE-30G1000-A-83 Ra:90  
LENS: PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

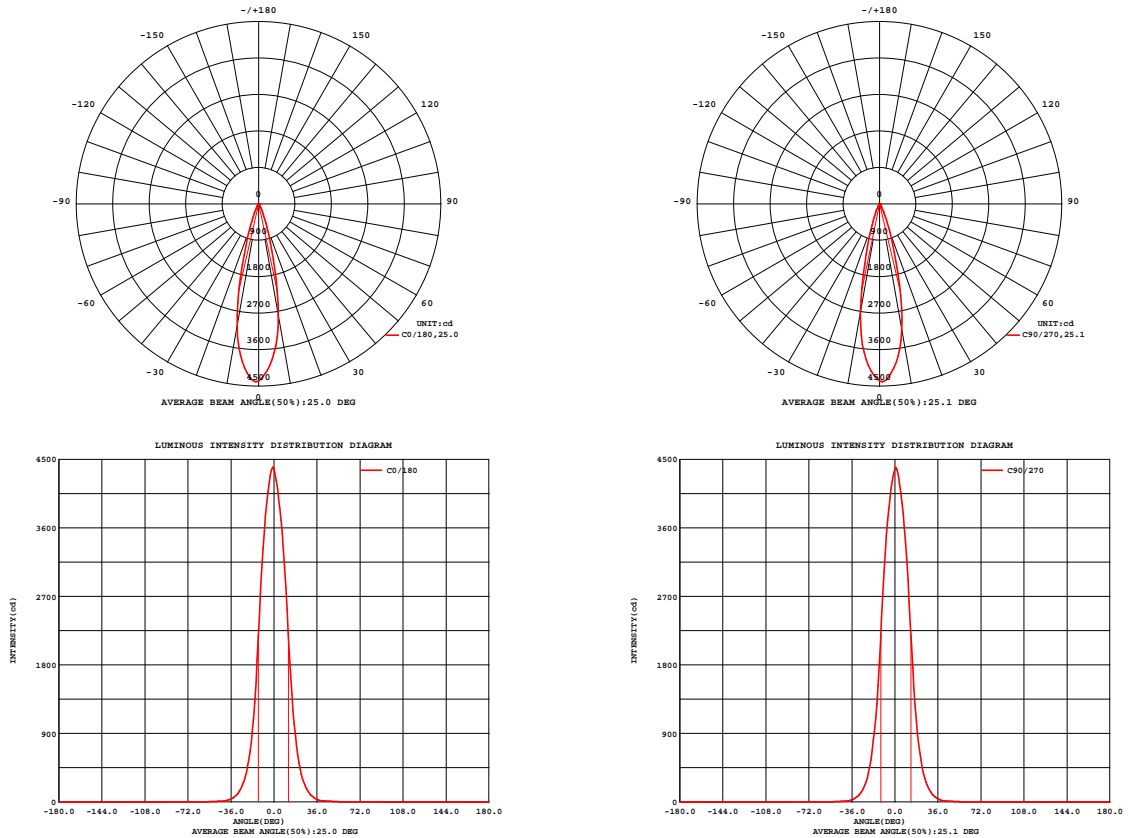


Fig. C0/C180

Fig. C90/C270

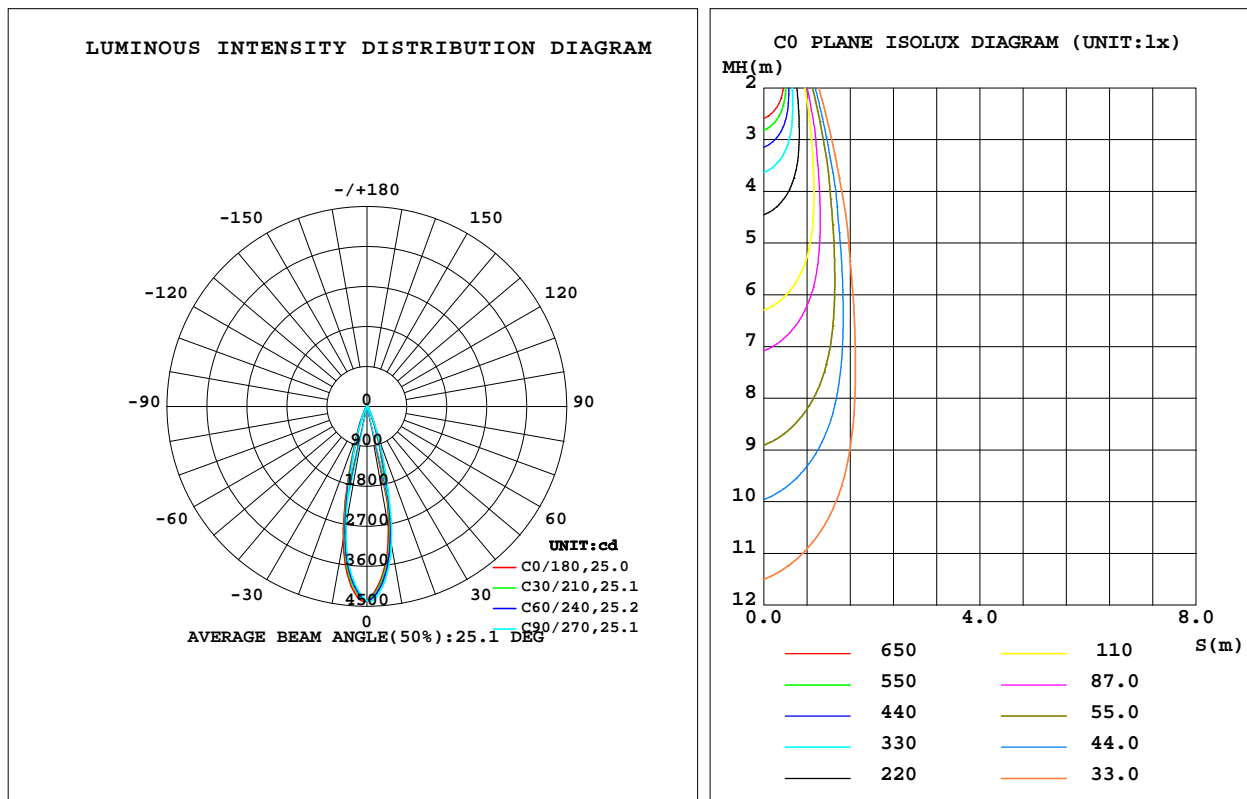
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Zoe  
Test Date: 2023-3-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: BXRE-30G1000-A-83 Ra: 90  
LENS: PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.1481A P:17.681W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.217F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303150272
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 53.73 lm/W			
MODEL	Bridgelux	I <sub>max</sub> (cd)	4421	S/MH(C0/180)	0.42
NOMINAL POWER(W)	18	LOR(%)	54.3	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	949.91	η UP,DN(C0-180)	0.0,28.6
NOMINAL FLUX(lm)	1749.31	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,25.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	54.3	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

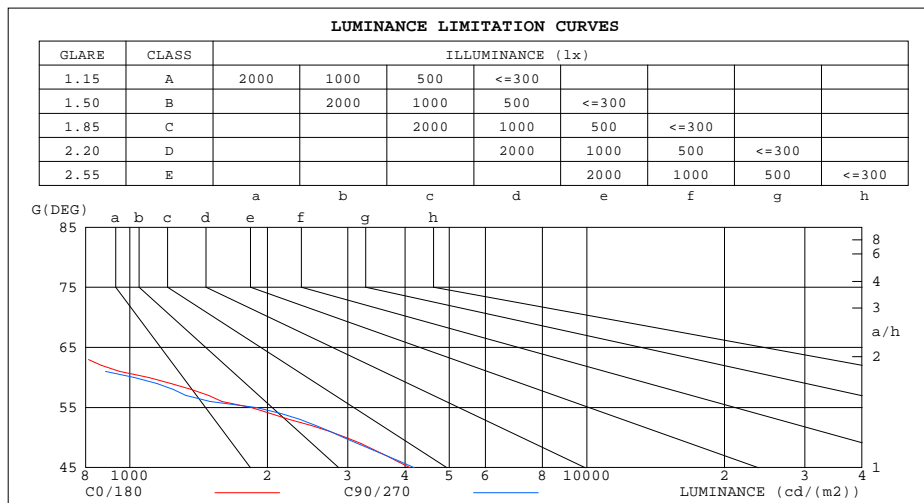
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2816	3009	3177	3154	3084	2898	2731	2745	0- 10	346.4	346.4	36.5,19.8
20	616.0	720.4	763.7	722.6	657.8	599.8	553.5	582.4	10- 20	424.0	770.4	81.1,44
30	109.1	125.3	132.5	126.9	116.1	103.0	91.86	100.4	20- 30	135.3	905.7	95.3,51.8
40	16.17	18.26	20.44	19.33	18.73	15.73	13.37	14.89	30- 40	31.31	937.0	98.6,53.6
50	7.166	7.108	7.069	6.732	6.764	6.305	5.111	6.273	40- 50	8.185	945.2	99.5,54
60	2.059	2.120	1.914	1.962	1.950	1.593	1.339	1.614	50- 60	3.393	948.6	99.9,54.2
70	0.6611	0.5969	0.4126	0.4958	0.5337	0.4556	0.3880	0.4960	60- 70	0.9602	949.5	100,54.3
80	0.2045	0.1664	0.1214	0.1344	0.1627	0.1301	0.1153	0.1433	70- 80	0.3099	949.8	100,54.3
90	0	0	0	0	0	0	0	0	80- 90	0.0746	949.9	100,54.3
100	0	0	0	0	0	0	0	0	90-100	0	949.9	100,54.3
110	0	0	0	0	0	0	0	0	100-110	0	949.9	100,54.3
120	0	0	0	0	0	0	0	0	110-120	0	949.9	100,54.3
130	0	0	0	0	0	0	0	0	120-130	0	949.9	100,54.3
140	0	0	0	0	0	0	0	0	130-140	0	949.9	100,54.3
150	0	0	0	0	0	0	0	0	140-150	0	949.9	100,54.3
160	0	0	0	0	0	0	0	0	150-160	0	949.9	100,54.3
170	0	0	0	0	0	0	0	0	160-170	0	949.9	100,54.3
180	0	0	0	0	0	0	0	0	170-180	0	949.9	100,54.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.1481A P:17.681W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.217F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303150272
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	293	187
80	315	187
75	387	245
70	516	322
65	711	513
60	1100	1023
55	1845	1896
50	2978	2939
45	4108	4195

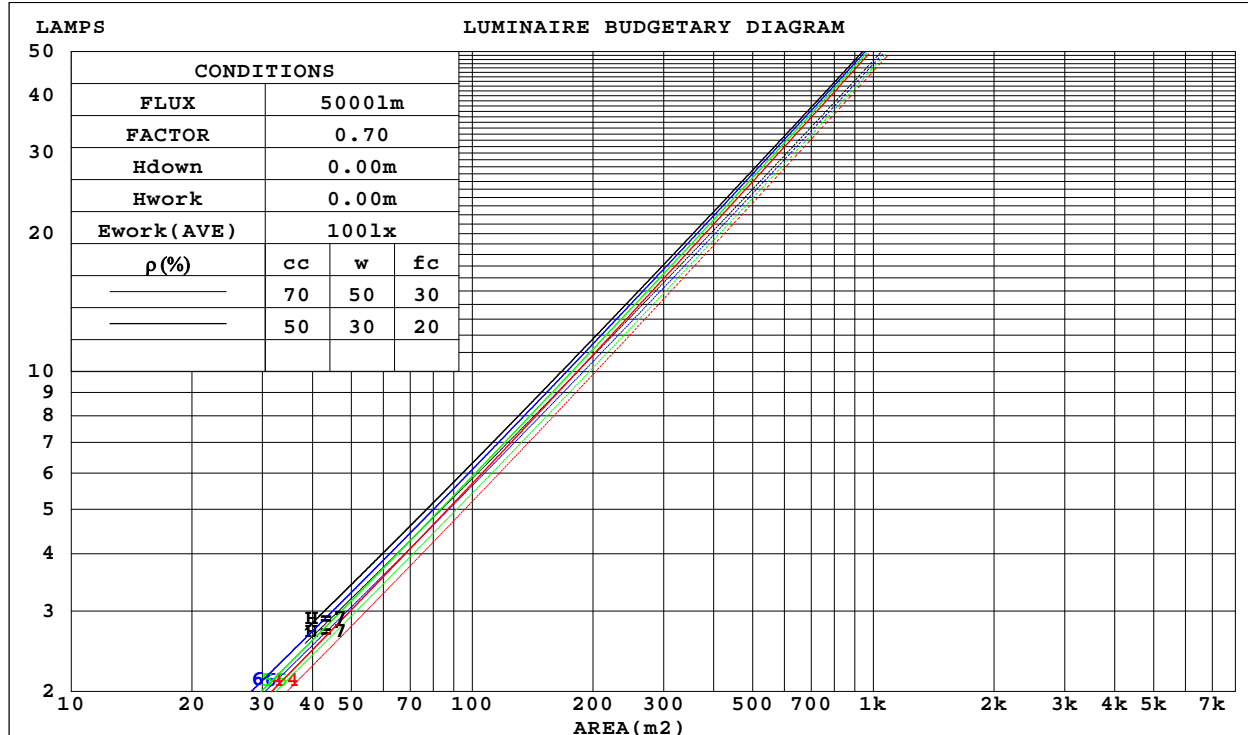
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.1481A P:17.681W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.217F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303150272
MFR.: RISE	SUR.:0.003737385m2	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	.65	.65	.65	.63	.63	.63	.60	.60	.60	.58	.58	.58	.55	.55	.55	.54
1.0	.61	.60	.59	.60	.59	.58	.58	.57	.57	.56	.56	.55	.54	.54	.53	.53
2.0	.59	.57	.56	.58	.56	.55	.56	.55	.54	.54	.53	.53	.53	.52	.52	.51
3.0	.56	.54	.53	.55	.54	.52	.54	.53	.51	.53	.52	.51	.52	.51	.50	.49
4.0	.54	.52	.50	.53	.51	.50	.52	.51	.49	.51	.50	.49	.50	.49	.48	.48
5.0	.52	.50	.48	.52	.49	.48	.51	.49	.48	.50	.48	.47	.49	.48	.47	.46
6.0	.50	.48	.46	.50	.48	.46	.49	.47	.46	.48	.47	.46	.48	.46	.45	.45
7.0	.49	.46	.45	.48	.46	.45	.48	.46	.45	.47	.46	.44	.47	.45	.44	.44
8.0	.47	.45	.43	.47	.45	.43	.46	.45	.43	.46	.44	.43	.46	.44	.43	.42
9.0	.46	.44	.42	.46	.44	.42	.45	.43	.42	.45	.43	.42	.44	.43	.42	.41
10.0	.45	.42	.41	.44	.42	.41	.44	.42	.41	.44	.42	.41	.43	.42	.41	.40



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

### WEC AND CCEC

Test:U:120.00V I:0.1481A P:17.681W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.217F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303150272
MFR.: RISE	SUR.:0.003737385m2	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 Wall Exitance Coefficients(WEC)															
0.0																
1.0	.074	.042	.013	.070	.040	.013	.063	.036	.012	.057	.033	.011	.051	.030	.010	
2.0	.068	.037	.011	.065	.036	.011	.060	.033	.010	.055	.031	.010	.050	.028	.009	
3.0	.063	.034	.010	.061	.033	.010	.056	.031	.009	.052	.029	.009	.048	.027	.008	
4.0	.059	.031	.009	.057	.030	.009	.053	.028	.008	.050	.027	.008	.047	.025	.008	
5.0	.056	.029	.008	.054	.028	.008	.051	.027	.008	.048	.025	.008	.045	.024	.007	
6.0	.053	.027	.008	.051	.026	.007	.049	.025	.007	.046	.024	.007	.043	.023	.007	
7.0	.050	.025	.007	.049	.024	.007	.047	.024	.007	.044	.023	.007	.042	.022	.006	
8.0	.048	.023	.007	.047	.023	.007	.045	.022	.006	.043	.022	.006	.041	.021	.006	
9.0	.046	.022	.006	.045	.022	.006	.043	.021	.006	.041	.021	.006	.039	.020	.006	
10.0	.044	.021	.006	.043	.021	.006	.041	.020	.006	.040	.020	.006	.038	.019	.006	

$\rho_{cc}$	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 Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.103	.103	.103	.088	.088	.088	.060	.060	.060	.035	.035	.035	.011	.011	.011	
1.0	.091	.086	.080	.078	.073	.069	.053	.051	.048	.031	.029	.028	.010	.009	.009	
2.0	.081	.072	.064	.070	.062	.055	.048	.043	.039	.028	.025	.023	.009	.008	.007	
3.0	.073	.062	.052	.063	.053	.045	.043	.037	.032	.025	.022	.019	.008	.007	.006	
4.0	.066	.053	.043	.057	.046	.037	.039	.032	.026	.023	.019	.016	.007	.006	.005	
5.0	.061	.046	.036	.052	.040	.031	.036	.028	.022	.021	.016	.013	.007	.005	.004	
6.0	.056	.041	.030	.048	.036	.026	.033	.025	.019	.019	.015	.011	.006	.005	.004	
7.0	.052	.037	.026	.045	.032	.023	.031	.022	.016	.018	.013	.010	.006	.004	.003	
8.0	.048	.033	.022	.041	.029	.019	.029	.020	.014	.017	.012	.008	.005	.004	.003	
9.0	.045	.030	.019	.039	.026	.017	.027	.018	.012	.016	.011	.007	.005	.004	.002	
10.0	.042	.027	.017	.037	.024	.015	.025	.017	.011	.015	.010	.006	.005	.003	.002	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Zoe  
 Test Date:2023-3-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
 Humidity:65.0%  
 Test Distance:3.160m [K=1.0000]  
 Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
 LENS:PM-1082 15R  
 DRIVER: PUP20A-1WMC 450mA  
 30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.1481A P:17.681W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm											
NAME: 2218.217F-LEA-14						TYPE:		WEIGHT:			
SPEC.:3000K						DIM.:		SERIAL No.:2303150272			
MFR.: RISE						SUR.:0.003737385m2		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	7.5	8.1	7.7	8.3	8.4	8.0	8.7	8.2	8.8	9.0	
	3H	7.4	8.0	7.6	8.2	8.4	7.9	8.5	8.1	8.7	
	4H	7.3	7.9	7.6	8.1	8.3	7.8	8.4	8.1	8.6	
	6H	7.3	7.8	7.5	8.0	8.3	7.7	8.3	8.0	8.5	
	8H	7.2	7.7	7.5	8.0	8.2	7.7	8.2	8.0	8.5	
	12H	7.2	7.7	7.5	7.9	8.2	7.7	8.2	8.0	8.4	
4H	2H	7.3	7.9	7.6	8.1	8.3	7.8	8.4	8.1	8.6	
	3H	7.2	7.7	7.5	8.0	8.3	7.7	8.2	8.0	8.5	
	4H	7.2	7.6	7.5	7.9	8.2	7.6	8.1	8.0	8.4	
	6H	7.1	7.5	7.4	7.8	8.2	7.5	7.9	7.9	8.3	
	8H	7.0	7.4	7.4	7.8	8.1	7.5	7.9	7.9	8.2	
	12H	7.0	7.3	7.4	7.7	8.1	7.4	7.8	7.8	8.1	
8H	4H	7.0	7.4	7.4	7.7	8.1	7.5	7.9	7.9	8.2	
	6H	6.9	7.2	7.3	7.6	8.0	7.4	7.7	7.8	8.1	
	8H	6.9	7.2	7.3	7.6	8.0	7.3	7.6	7.8	8.0	
	12H	6.8	7.1	7.3	7.5	8.0	7.3	7.5	7.7	7.9	
12H	4H	7.0	7.3	7.4	7.7	8.1	7.4	7.8	7.8	8.1	
	6H	6.9	7.1	7.3	7.6	8.0	7.3	7.6	7.8	8.0	
	8H	6.8	7.1	7.3	7.5	8.0	7.3	7.5	7.7	7.9	
Variations with the observer position at spacings:											
S = 1.0H	+ 2.7 / - 4.6					+ 3.5 / - 6.2					
1.5H	+ 3.9 / - 3.1					+ 4.9 / - 3.7					
2.0H	+ 3.6 / - 4.5					+ 3.9 / - 5.4					

CIE Pub.117, 1749 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.9$ )  
Area: 0.00373738 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.1481A P:17.681W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.217F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303150272
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:

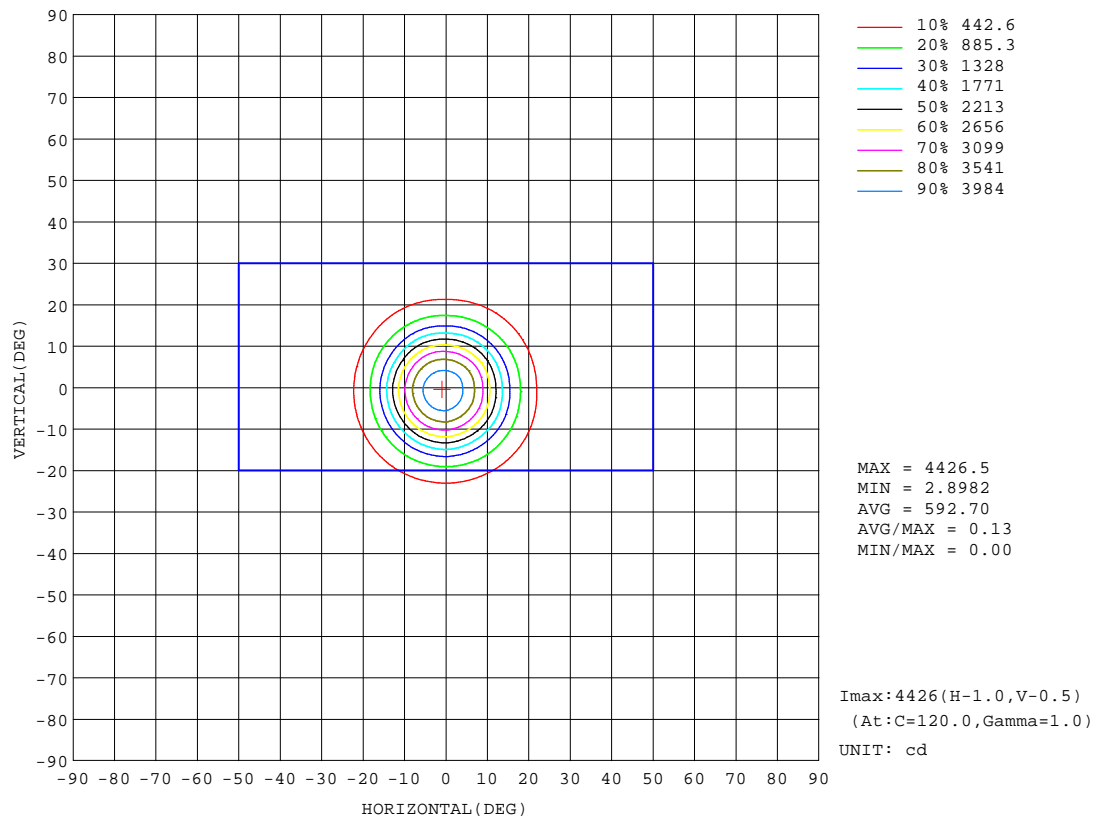
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	46	44	49	46	44	49	46	44	42
0.80	53	50	48	53	50	48	52	50	48	46
1.00	55	52	51	55	52	50	54	52	50	48
1.25	57	55	53	57	54	53	55	54	52	50
1.50	58	56	54	58	56	54	57	55	54	51
2.00	60	58	56	59	57	56	57	56	55	52
2.50	60	59	57	60	58	57	58	57	56	52
3.00	61	59	58	60	59	58	58	57	56	53
4.00	62	61	60	61	60	59	59	58	58	54
5.00	63	62	61	62	61	60	60	59	58	54
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:25.3DEG  
Operators:Zoe  
Test Date:2023-3-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:120.00V I:0.1481A P:17.681W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.217F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303150272
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:



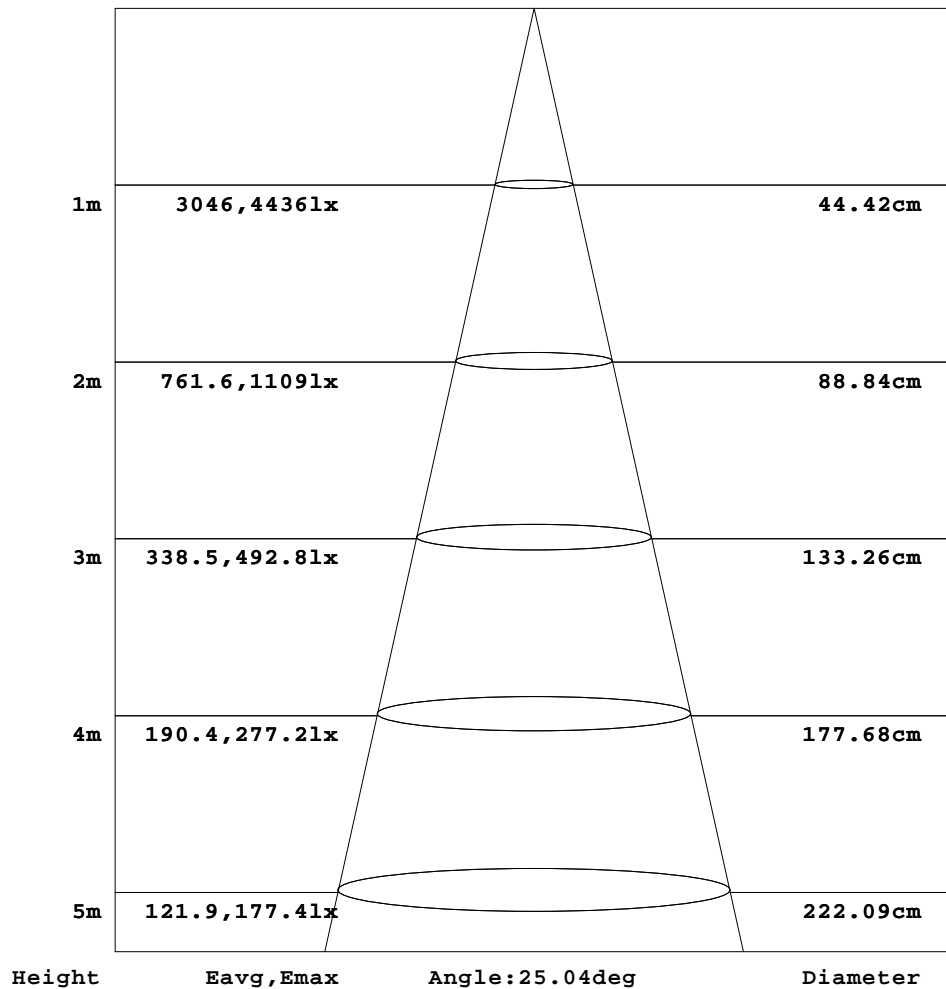
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

### AAI Figure

Test:U:120.00V I:0.1481A P:17.681W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.217F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303150272
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:

Flux out:510.1 lm



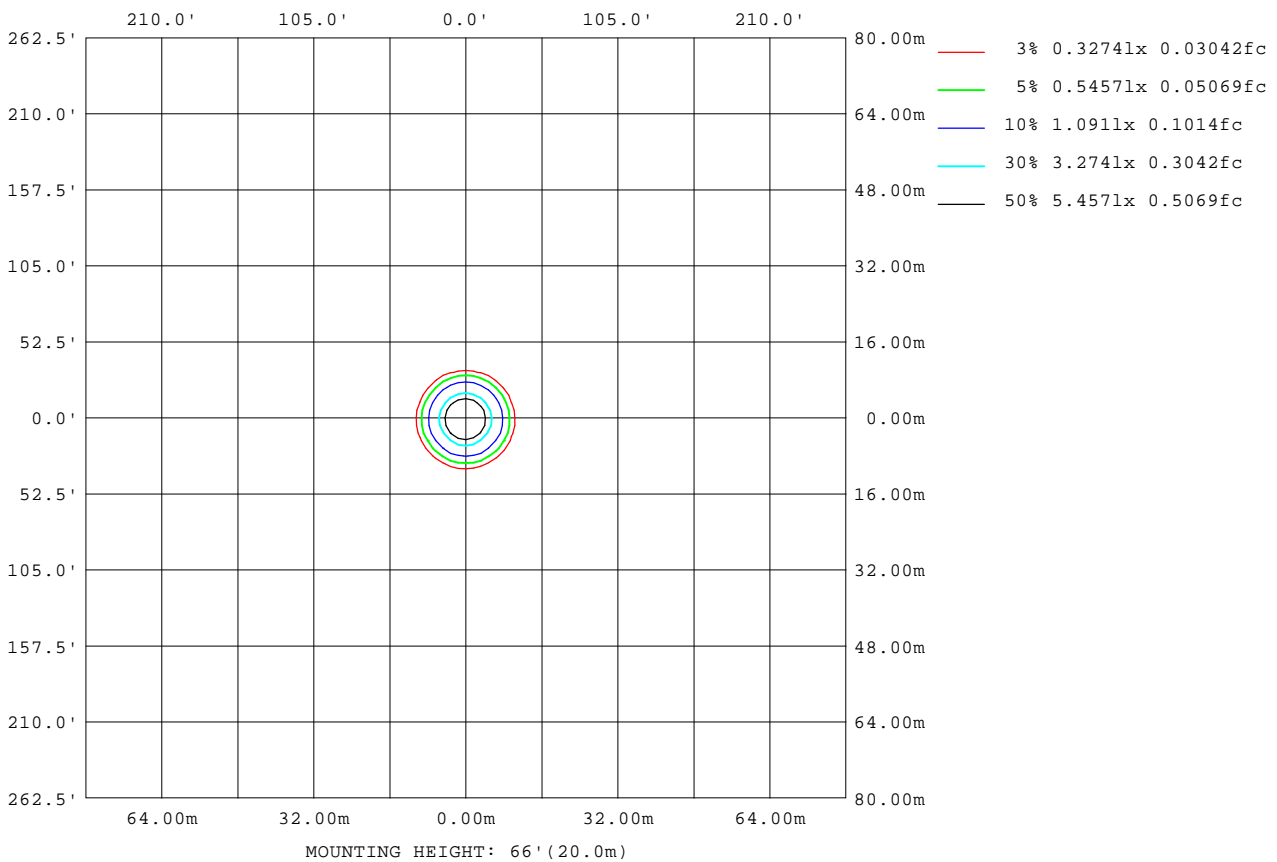
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:120.00V I:0.1481A P:17.681W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.217F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303150272
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LED Avg.L Report

Test:U:120.00V I:0.1481A P:17.681W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.217F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303150272
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:

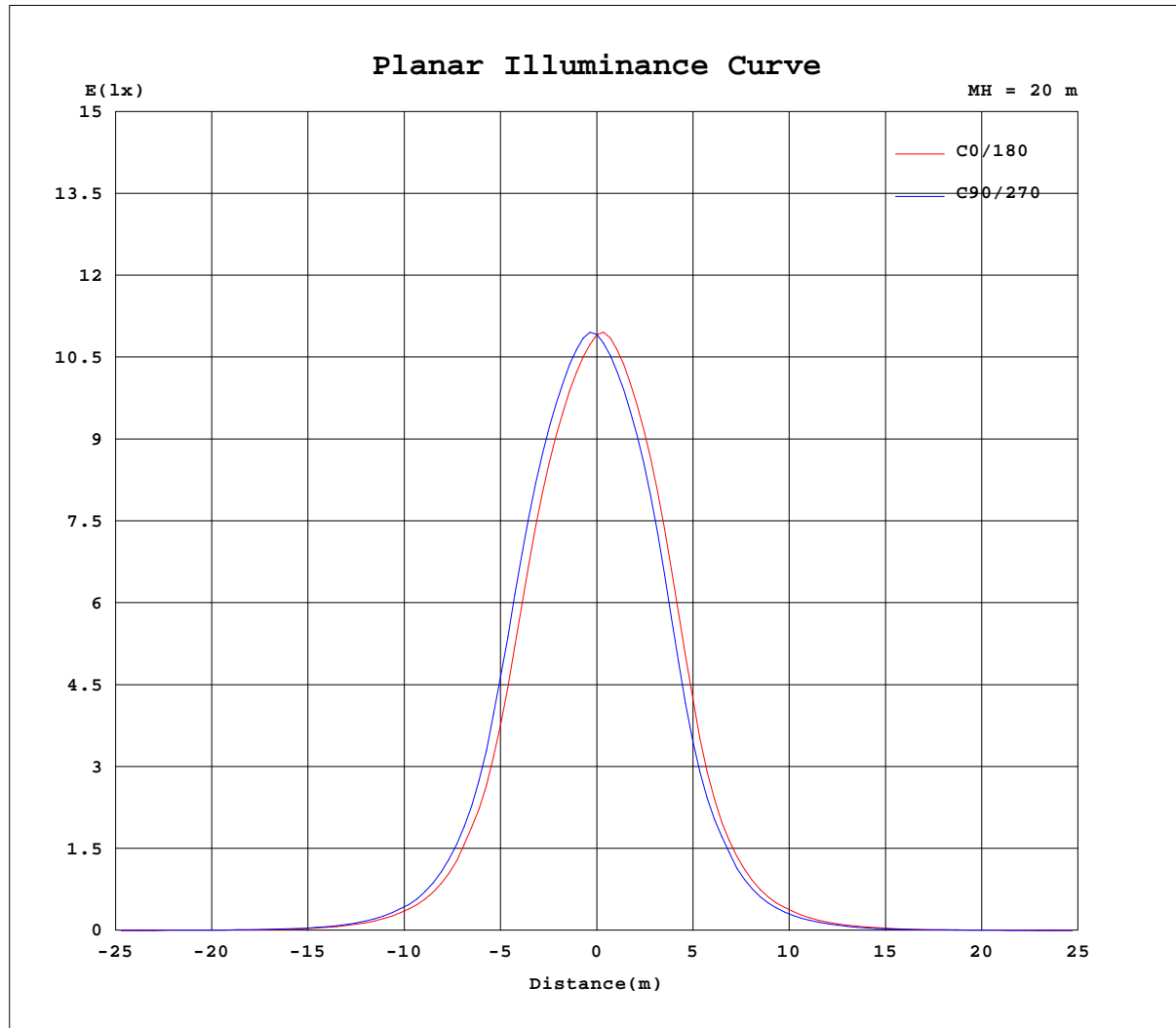
AvgL	cd/m2
L_0~180(65)av	659
L_0~180(75)av	346
L_0~180(85)av	271
L_90~270(65)av	477
L_90~270(75)av	234
L_90~270(85)av	182
L_45(65)av	579
L_45(75)av	285
L_45(85)av	196

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Zoe  
 Test Date: 2023-3-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
 Humidity: 65.0%  
 Test Distance: 3.160m [K=1.0000]  
 Remarks: LAMP: BXRE-30G1000-A-83 Ra: 90  
 LENS: PM-1082 15R  
 DRIVER: PUP20A-1WMC 450mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.1481A P:17.681W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.217F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303150272
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	4373	4373	4373	4373	4373	4373	4373	4373	4373	4373	4373	4373						
5	3855	3922	3990	4067	4085	4068	4064	3978	3917	3853	3831	3836						
10	2816	2955	3062	3177	3182	3126	3084	2950	2846	2731	2718	2771						
15	1417	1550	1642	1764	1722	1631	1565	1430	1377	1293	1322	1366						
20	616	692	749	764	751	694	658	609	591	554	574	591						
25	258	291	303	313	305	287	273	250	248	224	242	246						
30	109	123	128	132	130	123	116	106	100	91.9	97.7	103						
35	42.9	47.8	50.3	52.7	52.2	49.9	47.0	42.8	39.7	35.8	37.6	40.4						
40	16.2	18.5	18.0	20.4	19.2	19.5	18.7	16.3	15.1	13.4	14.2	15.6						
45	10.9	10.9	11.2	11.1	11.0	10.6	10.6	10.6	9.77	8.53	9.28	10.6						
50	7.17	7.08	7.13	7.07	6.85	6.62	6.76	6.67	5.94	5.11	5.68	6.87						
55	3.96	4.19	4.06	4.07	3.83	3.80	3.88	3.21	3.24	2.63	2.93	3.15						
60	2.06	2.17	2.07	1.91	1.94	1.98	1.95	1.67	1.51	1.34	1.47	1.76						
65	1.13	1.13	0.99	0.81	0.88	0.93	0.96	0.87	0.77	0.70	0.76	0.97						
70	0.66	0.65	0.55	0.41	0.48	0.51	0.53	0.48	0.43	0.39	0.43	0.56						
75	0.37	0.35	0.29	0.24	0.26	0.27	0.30	0.26	0.23	0.21	0.23	0.31						
80	0.20	0.18	0.15	0.12	0.13	0.14	0.16	0.14	0.12	0.12	0.12	0.16						
85	0.10	0.09	0.07	0.06	0.06	0.06	0.08	0.06	0.05	0.06	0.05	0.07						
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:25.3DEG  
Operators:Zoe  
Test Date:2023-3-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90  
LENS:PM-1082 15R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up