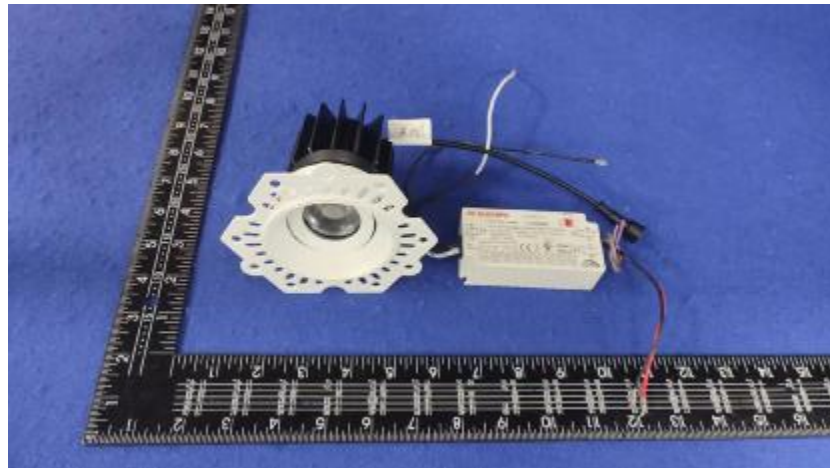


## Luminaire Photograph



Light Output Ratio:	79.0%	
Luminaire Power:	17.71 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.55	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Zoe  
Test Date: 2023-3-7

$\gamma$  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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

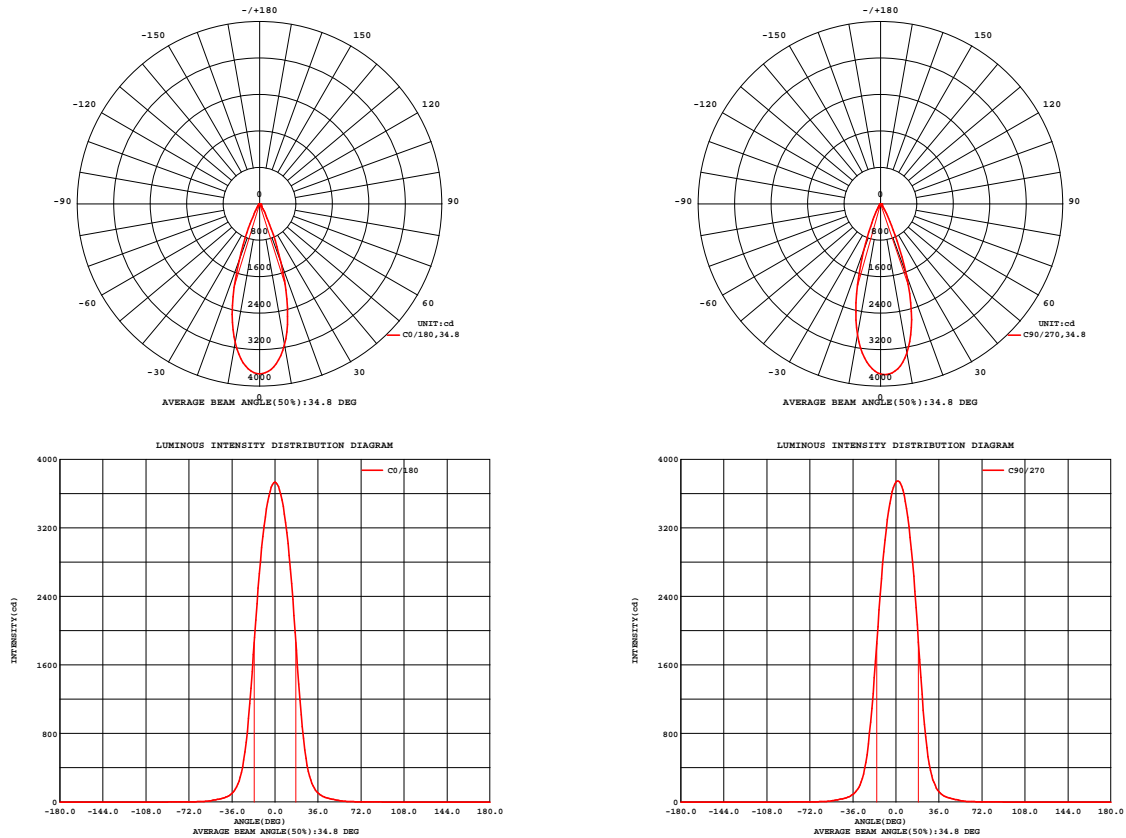


Fig. C0/C180

Fig. C90/C270

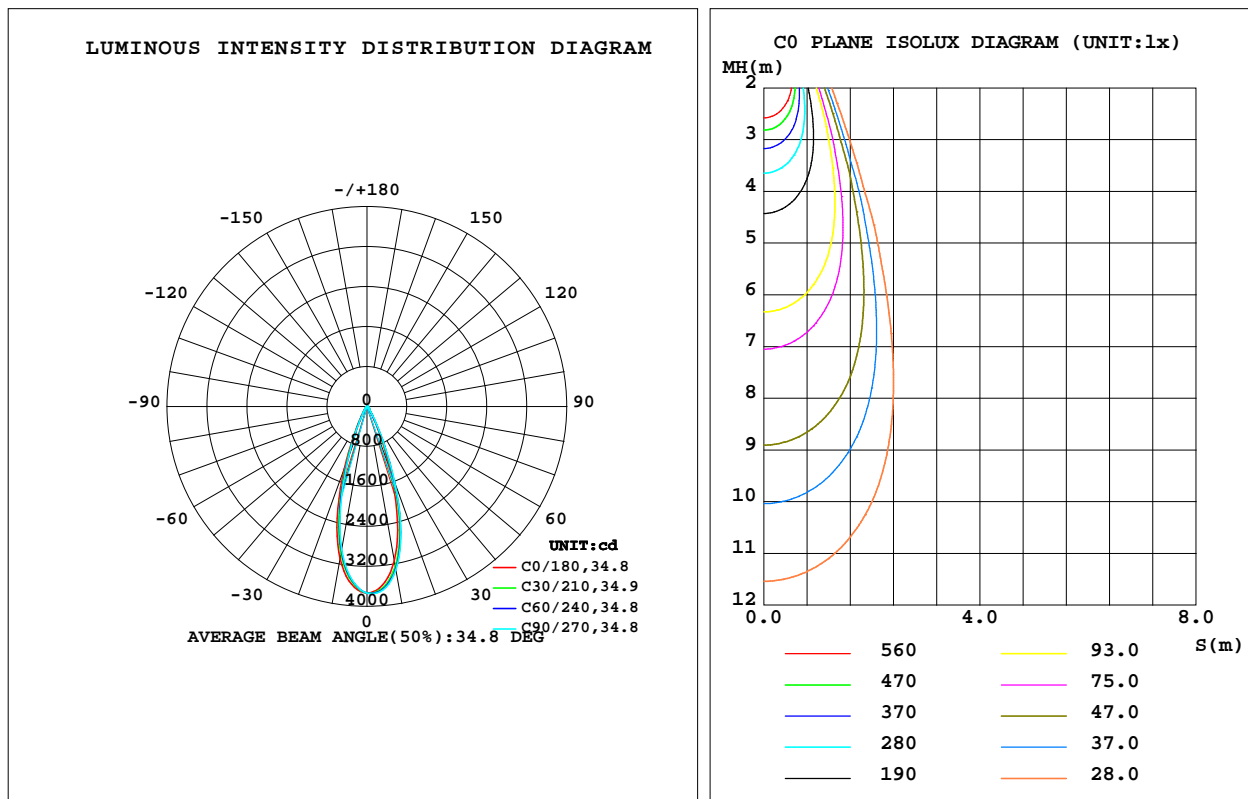
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Zoe  
Test Date: 2023-3-7

$\gamma$  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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.91V I:0.1484A P:17.708W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.216F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303070242
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.01 lm/W			
MODEL	Bridgelux	I <sub>max</sub> (cd)	3744	S/MH(C0/180)	0.55
NOMINAL POWER(W)	18	LOR(%)	79.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1381.4	η UP,DN(C0-180)	0.0,42.6
NOMINAL FLUX(lm)	1749.31	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,36.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	79.0	CIBSE SHR MAX	0.55



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-7

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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

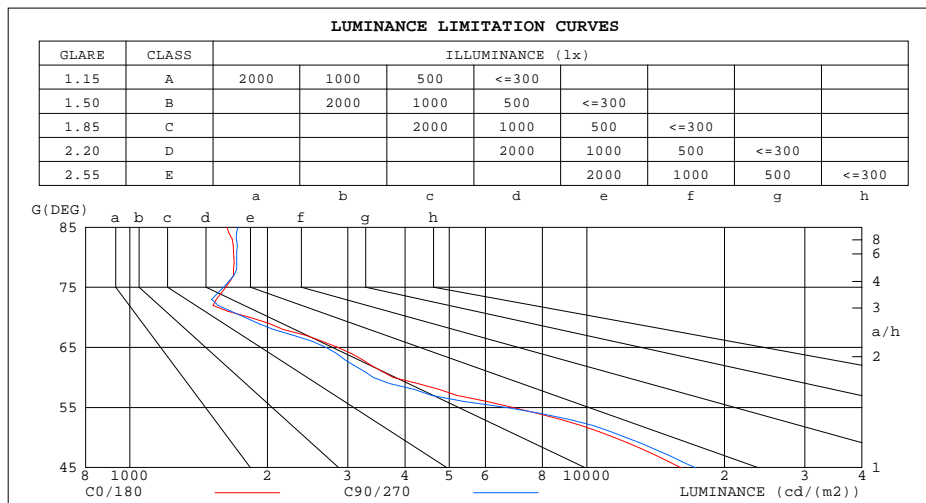
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3143	3277	3323	3221	3100	2974	2920	3014	0- 10	327.3	327.3	23.7,18.7
20	1375	1580	1663	1488	1329	1156	1091	1213	10- 20	625.5	952.8	69,54.5
30	255.8	288.9	308.9	276.2	245.8	210.6	200.2	230.6	20- 30	296.5	1249	90.4,71.4
40	66.78	71.05	74.63	68.58	62.48	56.95	56.99	61.93	30- 40	80.49	1330	96.3,76
50	27.67	29.17	29.33	26.93	25.07	23.17	22.80	25.50	40- 50	32.59	1362	98.6,77.9
60	7.054	7.166	6.375	6.668	6.280	5.964	6.041	6.581	50- 60	12.82	1375	99.6,78.6
70	2.339	2.524	2.281	2.223	1.995	1.780	1.749	1.996	60- 70	4.091	1379	99.8,78.8
80	1.098	1.179	1.113	1.004	1.007	0.8971	0.8860	0.9742	70- 80	1.591	1381	100,78.9
90	0	0	0	0	0	0	0	0	80- 90	0.5058	1381	100,79
100	0	0	0	0	0	0	0	0	90-100	0	1381	100,79
110	0	0	0	0	0	0	0	0	100-110	0	1381	100,79
120	0	0	0	0	0	0	0	0	110-120	0	1381	100,79
130	0	0	0	0	0	0	0	0	120-130	0	1381	100,79
140	0	0	0	0	0	0	0	0	130-140	0	1381	100,79
150	0	0	0	0	0	0	0	0	140-150	0	1381	100,79
160	0	0	0	0	0	0	0	0	150-160	0	1381	100,79
170	0	0	0	0	0	0	0	0	160-170	0	1381	100,79
180	0	0	0	0	0	0	0	0	170-180	0	1381	100,79
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-7

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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:119.91V I:0.1484A P:17.708W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.216F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303070242
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:



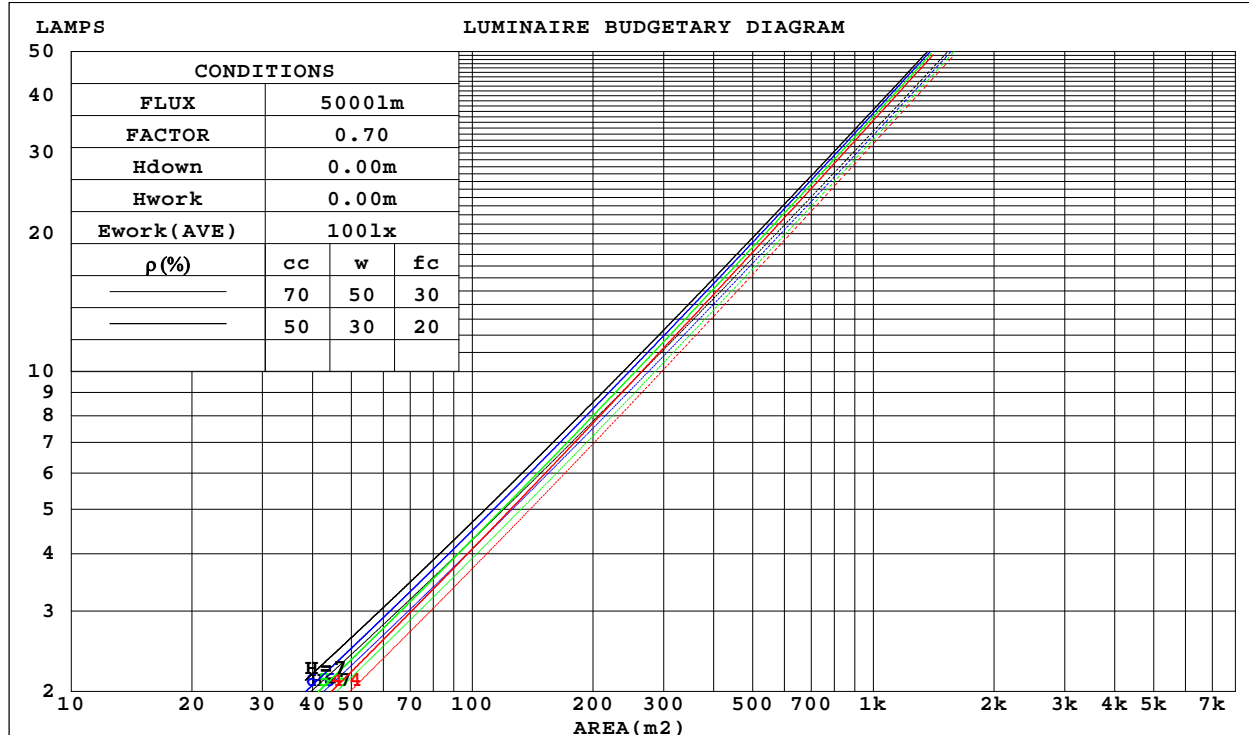
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-7

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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.91V I:0.1484A P:17.708W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.216F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303070242
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	.94	.94	.94	.92	.92	.92	.88	.88	.88	.84	.84	.84	.81	.81	.81	.79
1.0	.89	.87	.85	.87	.85	.84	.84	.83	.81	.81	.80	.79	.78	.77	.77	.75
2.0	.84	.81	.79	.82	.80	.78	.80	.78	.76	.78	.76	.75	.76	.74	.73	.72
3.0	.80	.76	.74	.79	.76	.73	.77	.74	.72	.75	.73	.71	.73	.71	.70	.69
4.0	.76	.72	.70	.75	.72	.69	.73	.71	.68	.72	.70	.68	.70	.69	.67	.66
5.0	.72	.69	.66	.72	.68	.66	.70	.67	.65	.69	.67	.65	.68	.66	.64	.63
6.0	.69	.66	.63	.69	.65	.63	.68	.65	.62	.67	.64	.62	.66	.63	.62	.61
7.0	.67	.63	.60	.66	.63	.60	.65	.62	.60	.64	.61	.59	.63	.61	.59	.58
8.0	.64	.60	.58	.64	.60	.58	.63	.60	.57	.62	.59	.57	.61	.59	.57	.56
9.0	.62	.58	.55	.61	.58	.55	.61	.57	.55	.60	.57	.55	.59	.57	.55	.54
10.0	.59	.56	.53	.59	.56	.53	.59	.55	.53	.58	.55	.53	.57	.55	.53	.52



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-7

$\gamma$  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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

### WEC AND CCEC

Test:U:119.91V I:0.1484A P:17.708W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.216F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303070242
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	.119	.068	.021	.114	.065	.021	.104	.060	.019	.095	.055	.018	.087	.050	.016	
2.0	.112	.061	.019	.107	.059	.018	.099	.055	.017	.092	.051	.016	.085	.048	.015	
3.0	.105	.056	.017	.101	.054	.016	.094	.051	.016	.088	.048	.015	.082	.046	.014	
4.0	.099	.051	.015	.096	.050	.015	.090	.048	.014	.085	.045	.014	.080	.043	.013	
5.0	.094	.048	.014	.091	.047	.014	.086	.045	.013	.081	.043	.013	.077	.041	.012	
6.0	.089	.045	.013	.087	.044	.013	.082	.042	.012	.078	.041	.012	.074	.039	.012	
7.0	.085	.042	.012	.083	.041	.012	.079	.040	.012	.075	.039	.011	.072	.037	.011	
8.0	.081	.040	.011	.079	.039	.011	.076	.038	.011	.073	.037	.011	.070	.036	.010	
9.0	.078	.038	.010	.076	.037	.010	.073	.036	.010	.070	.035	.010	.068	.034	.010	
10.0	.074	.036	.010	.073	.035	.010	.070	.034	.010	.068	.034	.010	.065	.033	.009	

$\rho_{cc}$	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	.150	.150	.150	.129	.129	.129	.088	.088	.088	.050	.050	.050	.016	.016	.016	
1.0	.134	.124	.116	.114	.107	.100	.078	.073	.069	.045	.043	.040	.014	.014	.013	
2.0	.120	.105	.092	.103	.090	.079	.071	.062	.055	.041	.036	.032	.013	.012	.011	
3.0	.109	.090	.074	.093	.077	.064	.064	.054	.045	.037	.031	.027	.012	.010	.009	
4.0	.100	.078	.061	.086	.067	.053	.059	.047	.037	.034	.027	.022	.011	.009	.007	
5.0	.092	.068	.050	.079	.059	.044	.054	.041	.031	.032	.024	.018	.010	.008	.006	
6.0	.085	.060	.042	.073	.052	.037	.051	.037	.026	.029	.022	.016	.009	.007	.005	
7.0	.080	.054	.036	.069	.047	.031	.047	.033	.022	.028	.019	.013	.009	.006	.004	
8.0	.075	.049	.031	.064	.042	.027	.045	.030	.019	.026	.018	.011	.008	.006	.004	
9.0	.070	.045	.027	.061	.039	.024	.042	.027	.017	.025	.016	.010	.008	.005	.003	
10.0	.067	.041	.024	.058	.035	.021	.040	.025	.015	.023	.015	.009	.008	.005	.003	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-7

$\gamma$  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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:119.91V I:0.1484A P:17.708W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm										
NAME: 2218.216F-LEA-14					TYPE:			WEIGHT:		
SPEC.:3000K					DIM.:			SERIAL No.:2303070242		
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	14.0	14.7	14.2	14.9	15.1	14.4	15.1	14.6	15.3	15.4
3H	13.9	14.6	14.2	14.8	15.0	14.3	15.0	14.5	15.2	15.4
4H	13.9	14.5	14.1	14.7	15.0	14.2	14.9	14.5	15.1	15.3
6H	13.8	14.4	14.1	14.7	14.9	14.2	14.8	14.5	15.0	15.3
8H	13.8	14.4	14.1	14.6	14.9	14.2	14.8	14.5	15.0	15.3
12H	13.8	14.3	14.1	14.6	14.9	14.1	14.7	14.4	15.0	15.2
4H 2H	13.9	14.5	14.1	14.7	14.9	14.2	14.9	14.5	15.1	15.3
3H	13.8	14.4	14.1	14.6	14.9	14.2	14.7	14.5	15.0	15.3
4H	13.8	14.3	14.1	14.6	14.9	14.1	14.6	14.5	14.9	15.2
6H	13.7	14.2	14.1	14.5	14.9	14.1	14.5	14.4	14.9	15.2
8H	13.7	14.1	14.1	14.5	14.8	14.0	14.5	14.4	14.8	15.2
12H	13.7	14.1	14.1	14.4	14.8	14.0	14.4	14.4	14.8	15.2
8H 4H	13.6	14.1	14.0	14.4	14.8	14.0	14.4	14.4	14.8	15.1
6H	13.6	14.0	14.0	14.4	14.8	14.0	14.3	14.4	14.7	15.1
8H	13.6	13.9	14.1	14.3	14.8	14.0	14.3	14.4	14.7	15.1
12H	13.6	13.9	14.1	14.3	14.8	13.9	14.2	14.4	14.6	15.1
12H 4H	13.6	14.0	14.0	14.4	14.7	13.9	14.3	14.3	14.7	15.1
6H	13.6	13.9	14.0	14.3	14.7	13.9	14.2	14.4	14.7	15.1
8H	13.6	13.8	14.0	14.3	14.8	13.9	14.2	14.4	14.6	15.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.0 / - 4.3					+ 2.6 / - 4.8				
1.5H	+ 2.7 / - 2.8					+ 3.4 / - 3.1				
2.0H	+ 3.6 / - 3.8					+ 3.9 / - 4.2				

CIE Pub.117, 1749 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.9)  
Area: 0.00373738 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-7

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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:119.91V I:0.1484A P:17.708W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.216F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303070242
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:

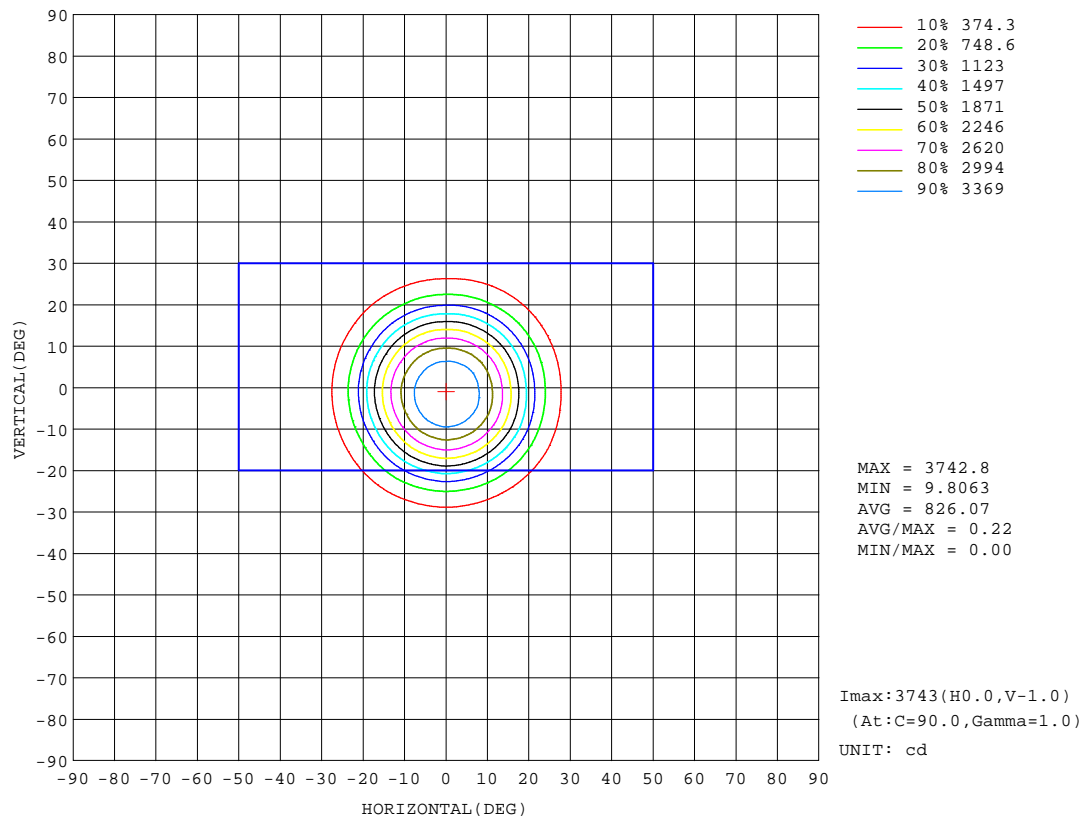
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	70	66	63	70	66	63	69	65	63	60
0.80	76	72	69	76	72	69	75	71	69	66
1.00	79	75	73	79	75	72	78	75	72	69
1.25	82	78	76	82	78	76	80	77	75	72
1.50	84	81	78	83	80	78	82	79	77	74
2.00	86	83	81	85	82	80	83	81	79	75
2.50	87	85	82	86	84	82	84	82	80	76
3.00	89	86	84	87	85	83	85	83	81	77
4.00	90	88	86	89	87	85	86	84	83	78
5.00	91	89	88	89	88	87	86	85	84	78
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:2023-3-7

$\gamma$  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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:119.91V I:0.1484A P:17.708W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.3lx1 lm		
NAME: 2218.216F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303070242
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:



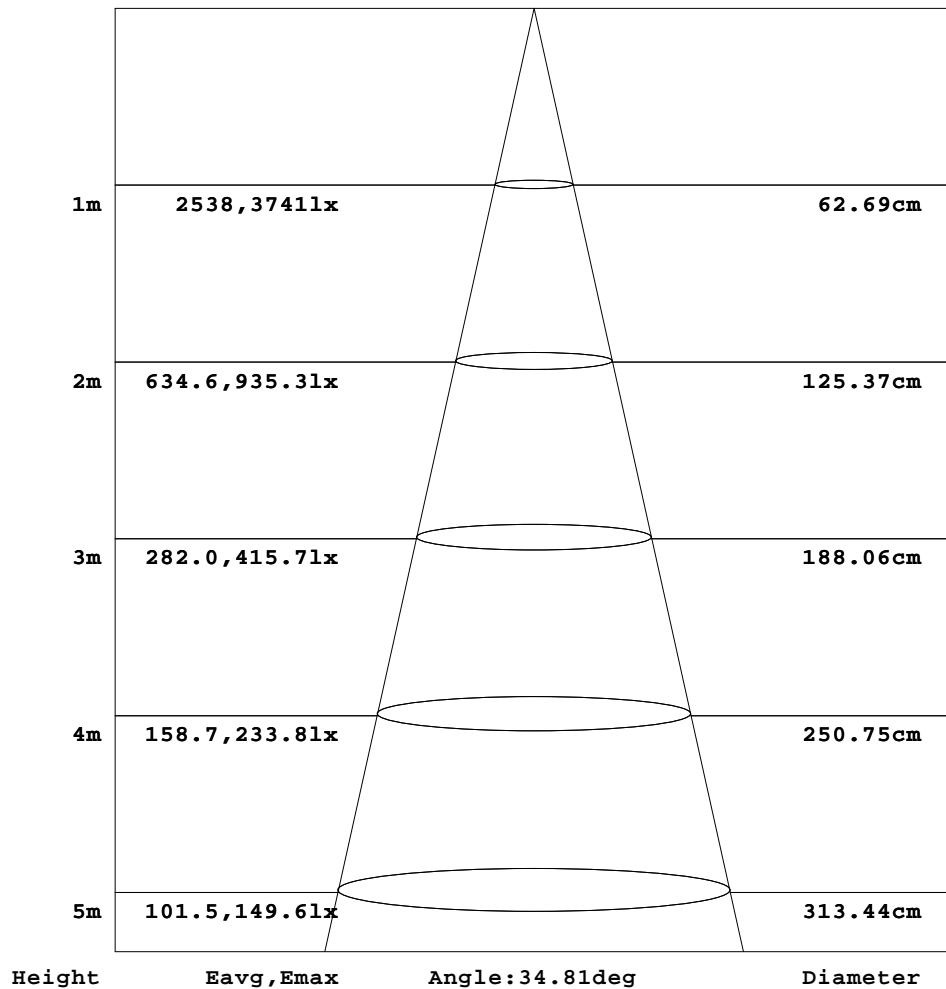
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-7

$\gamma$  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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

### AAI Figure

Test:U:119.91V I:0.1484A P:17.708W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.216F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303070242
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:

Flux out:841.9 lm



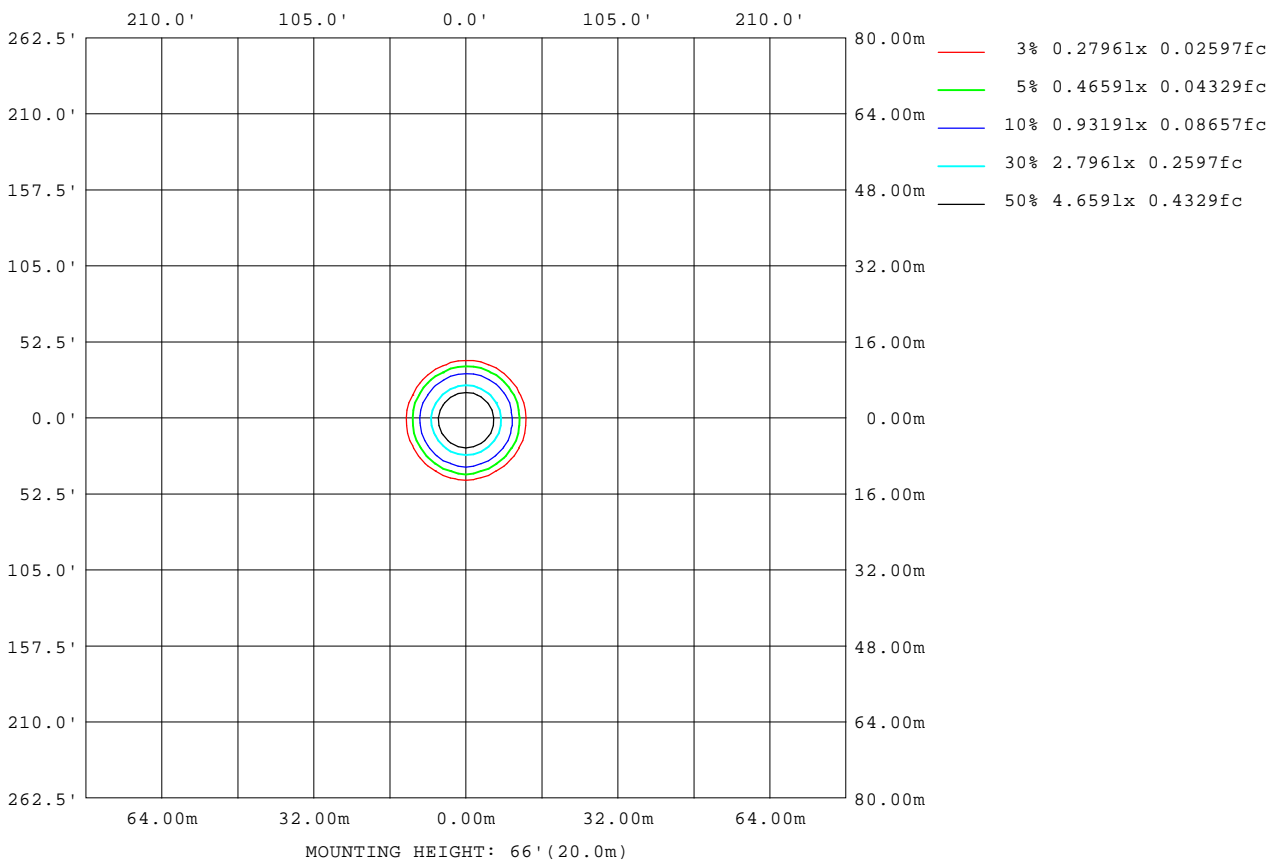
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-7

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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:119.91V I:0.1484A P:17.708W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.3lx1 lm		
NAME: 2218.216F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303070242
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:2023-3-7

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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up

### LED Avg.L Report

Test:U:119.91V I:0.1484A P:17.708W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.216F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303070242
MFR.: RISE	SUR.:0.003737385m2	Shielding Angle:

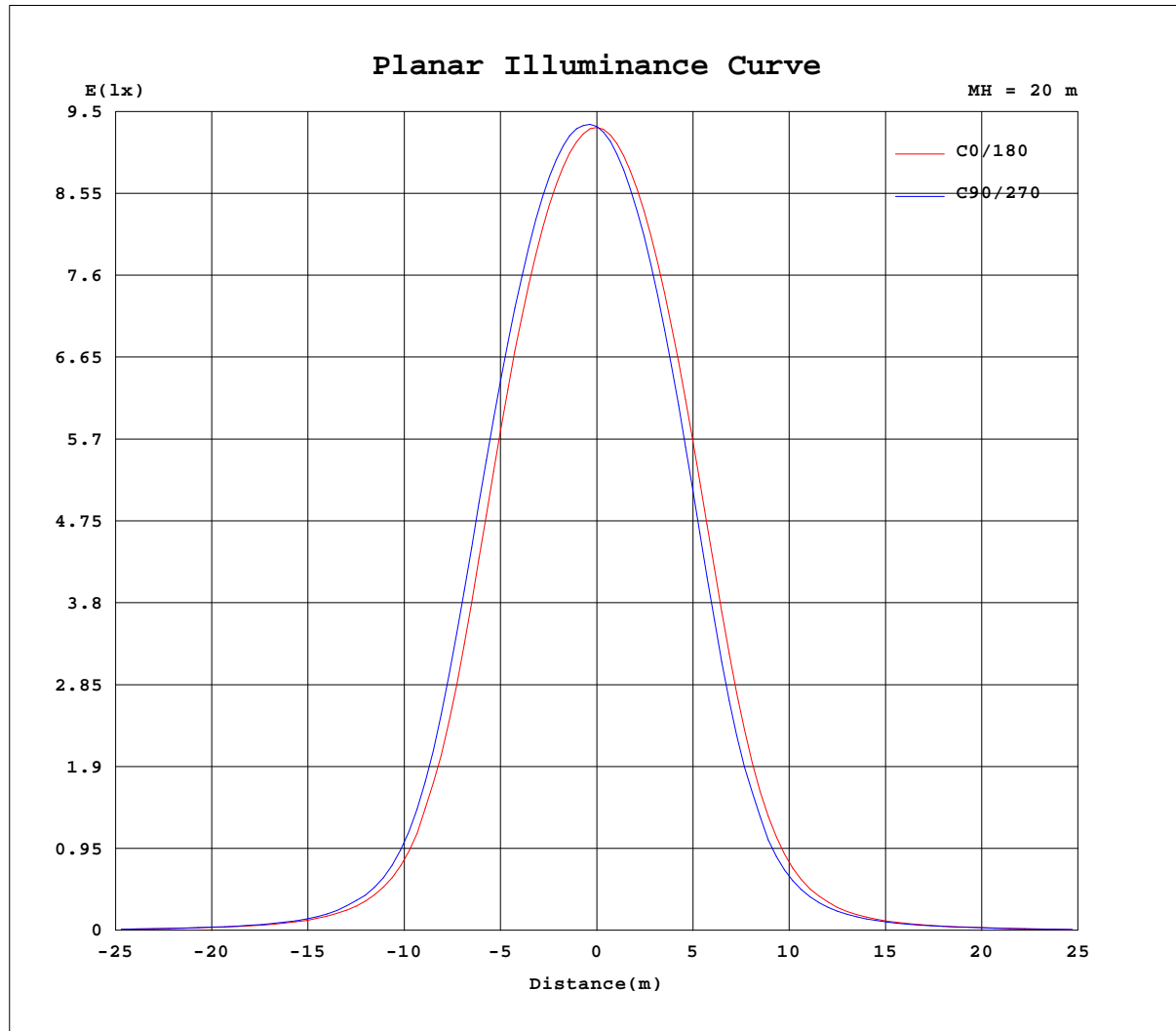
AvgL	cd/m2
L_0~180(65)av	2671
L_0~180(75)av	1586
L_0~180(85)av	1530
L_90~270(65)av	2461
L_90~270(75)av	1535
L_90~270(85)av	1414
L_45(65)av	2617
L_45(75)av	1568
L_45(85)av	1282

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Zoe  
Test Date:2023-3-7

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-1082A 24R  
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: 2023-3-7

$\gamma$  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-1082A 24R  
 DRIVER: PUP20A-1WMC 450mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.91V I:0.1484A P:17.708W PF:0.9941 Freq:59.98Hz Lamp Flux:1749.31x1 lm		
NAME: 2218.216F-LEA-14	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:2303070242
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	3732	3732	3732	3732	3732	3732	3732	3732	3732	3732	3732	3732						
5	3588	3641	3670	3684	3661	3612	3570	3516	3493	3482	3509	3554						
10	3143	3251	3303	3323	3269	3173	3100	3002	2945	2920	2969	3059						
15	2366	2528	2606	2636	2554	2404	2313	2168	2079	2046	2119	2240						
20	1375	1545	1615	1663	1567	1408	1329	1193	1118	1091	1167	1258						
25	607	695	743	759	726	619	586	508	474	463	508	551						
30	256	287	291	309	291	261	246	214	207	200	225	236						
35	122	134	134	142	135	122	114	102	96.4	98.5	107	114						
40	66.8	71.0	71.1	74.6	71.3	65.9	62.5	57.9	56.0	57.0	60.4	63.4						
45	42.5	44.6	44.3	45.7	44.0	41.3	40.2	37.7	36.7	37.3	39.6	41.1						
50	27.7	29.3	29.0	29.3	28.0	25.8	25.1	23.5	22.8	22.8	24.6	26.4						
55	14.8	16.2	16.2	14.3	14.9	13.3	12.5	11.3	10.9	10.8	12.2	13.8						
60	7.05	7.19	7.14	6.38	6.83	6.50	6.28	6.00	5.93	6.04	6.38	6.78						
65	4.51	4.67	4.66	4.25	4.27	4.06	3.92	3.57	3.55	3.53	3.88	4.33						
70	2.34	2.54	2.51	2.28	2.32	2.13	1.99	1.81	1.75	1.75	1.87	2.12						
75	1.57	1.60	1.62	1.55	1.58	1.52	1.50	1.44	1.41	1.42	1.45	1.51						
80	1.10	1.17	1.19	1.11	1.12	0.89	1.01	0.91	0.88	0.89	0.93	1.02						
85	0.53	0.61	0.64	0.56	0.33	0.22	0.47	0.38	0.35	0.36	0.40	0.47						
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:2023-3-7

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-1082A 24R  
DRIVER: PUP20A-1WMC 450mA  
30minutes warm-up