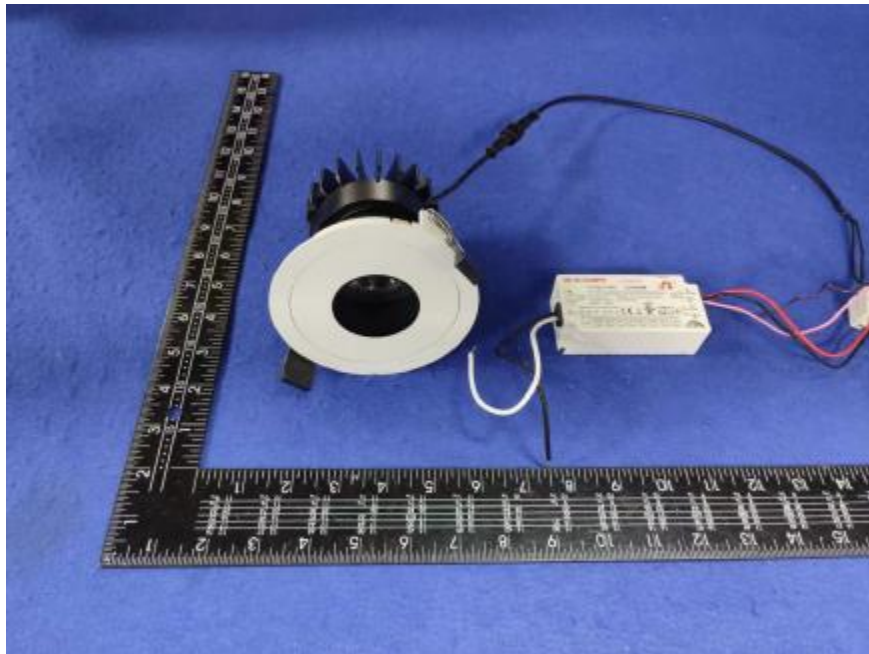


Luminaire Photograph



Light Output Ratio:	75.1%	
Luminaire Power:	19.7 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.75	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-10-11

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-1083C 50R
DRIVER: PUP20A-1WMC 500mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

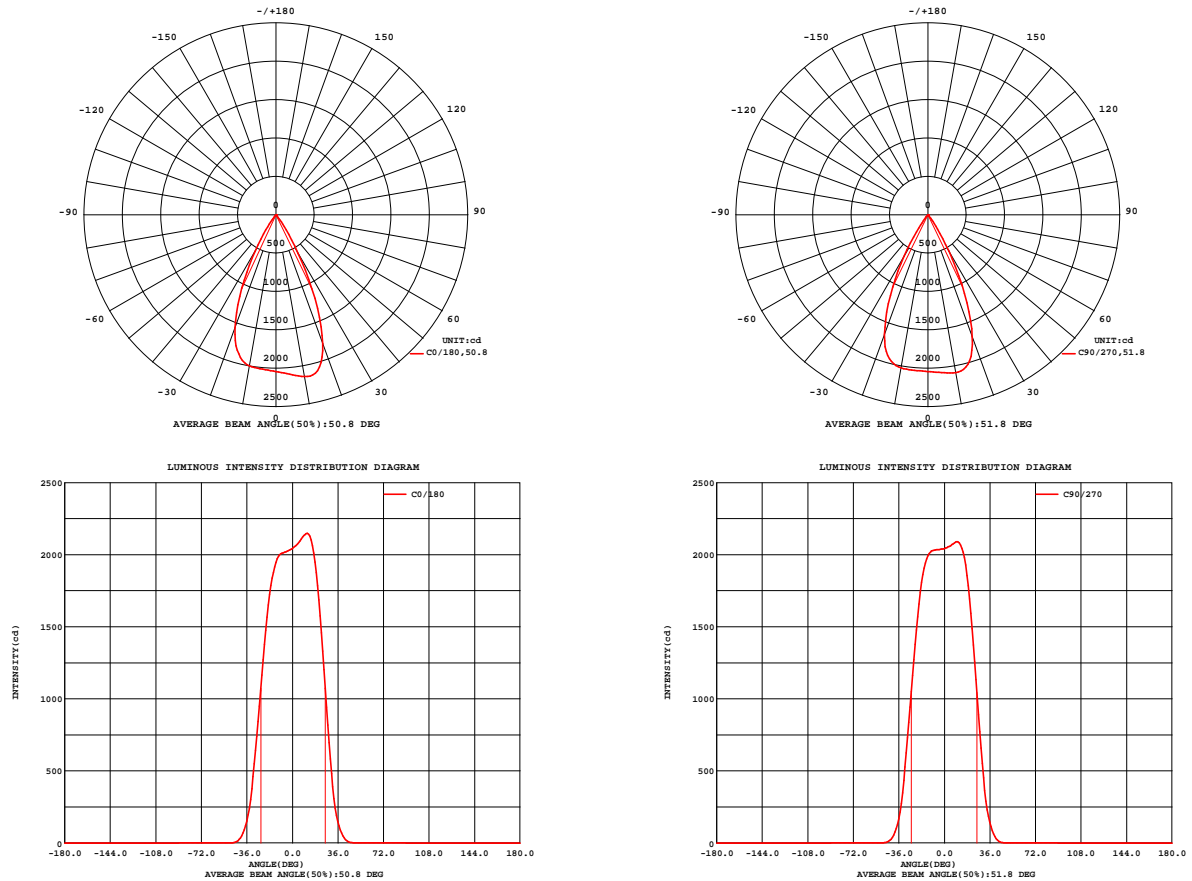


Fig. C0/C180

Fig. C90/C270

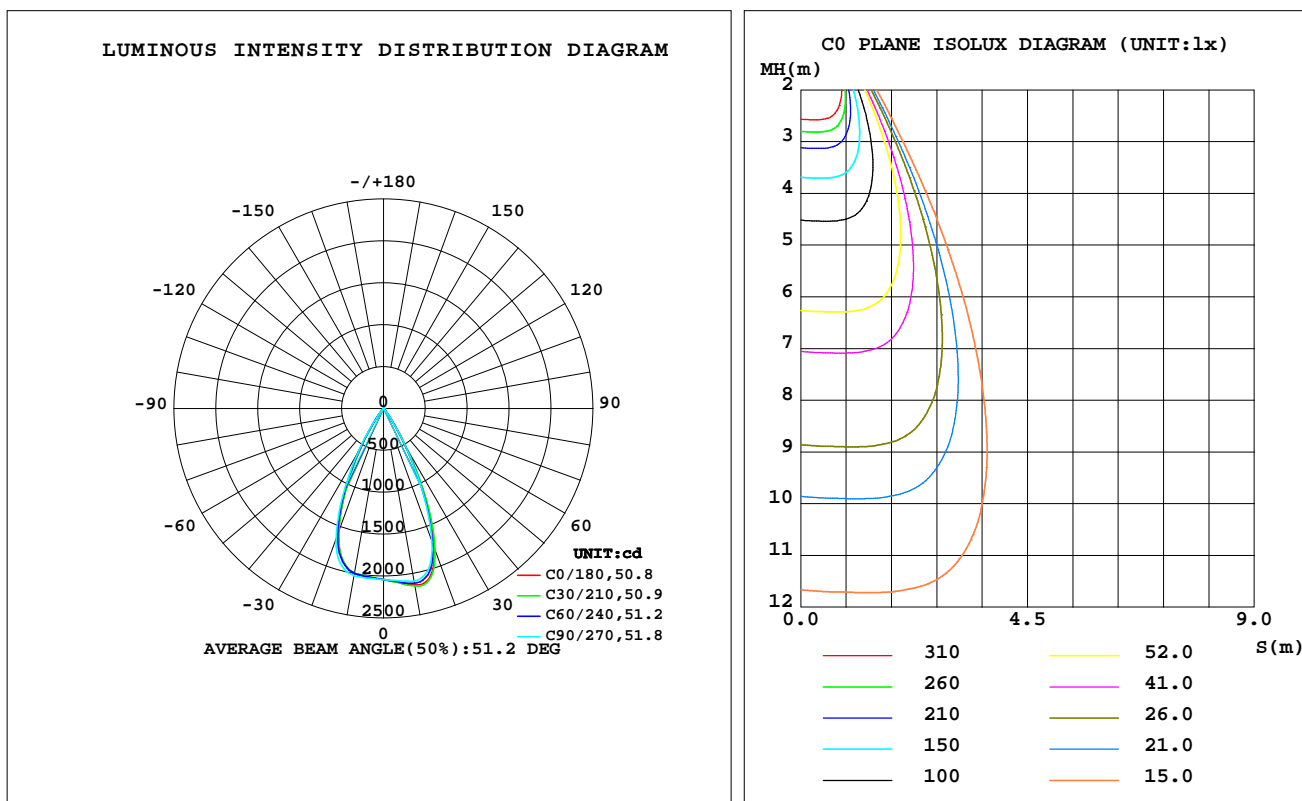
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-10-11

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-1083C 50R
DRIVER: PUP20A-1WMC 500mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.06V I:0.1650A P:19.705W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310111215
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.46 lm/W			
MODEL	Bridgelux	Imax(cd)	2163	S/MH(C0/180)	0.75
NOMINAL POWER(W)	20	LOR(%)	75.1	S/MH(C90/270)	0.78
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1408.1	η UP,DN(C0-180)	0.0,37.8
NOMINAL FLUX(lm)	1874.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,37.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	75.1	CIBSE SHR MAX	0.75



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-11

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-1083C 50R
DRIVER: PUP20A-1WMC 500mA
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	2139	2134	2090	2034	1999	1995	2025	2081	0- 10	196.2	196.2	13.9,10.5
20	1783	1763	1693	1643	1567	1587	1658	1731	10- 20	545.6	741.8	52.7,39.6
30	582.5	561.6	551.8	565.4	548.9	588.0	625.6	624.2	20- 30	511.8	1254	89,66.9
40	50.86	44.99	44.95	46.24	50.61	54.16	54.96	56.69	30- 40	144.0	1398	99.3,74.6
50	1.109	0.9122	1.009	1.348	0.8995	0.9708	1.232	1.330	40- 50	9.233	1407	99.9,75.1
60	0.4125	0.4138	0.4372	0.6709	0.5771	0.5555	0.6068	0.6385	50- 60	0.6457	1407	100,75.1
70	0.1246	0.0767	0.1409	0.2954	0.3038	0.2992	0.3235	0.2884	60- 70	0.3799	1408	100,75.1
80	0.0643	0.0484	0.0567	0.0820	0.1142	0.1087	0.1138	0.0857	70- 80	0.1581	1408	100,75.1
90	0	0	0	0	0	0	0	0	80- 90	0.0412	1408	100,75.1
100	0	0	0	0	0	0	0	0	90-100	0	1408	100,75.1
110	0	0	0	0	0	0	0	0	100-110	0	1408	100,75.1
120	0	0	0	0	0	0	0	0	110-120	0	1408	100,75.1
130	0	0	0	0	0	0	0	0	120-130	0	1408	100,75.1
140	0	0	0	0	0	0	0	0	130-140	0	1408	100,75.1
150	0	0	0	0	0	0	0	0	140-150	0	1408	100,75.1
160	0	0	0	0	0	0	0	0	150-160	0	1408	100,75.1
170	0	0	0	0	0	0	0	0	160-170	0	1408	100,75.1
180	0	0	0	0	0	0	0	0	170-180	0	1408	100,75.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-11

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-1083C 50R
DRIVER: PUP20A-1WMC 500mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:120.06V I:0.1650A P:19.705W PF:0.9935 Freq:59.98Hz
Lamp Flux:1874.5x1 lm

NAME: 2318.138-LEA-15

TYPE:

WEIGHT:

SPEC.: 3000K

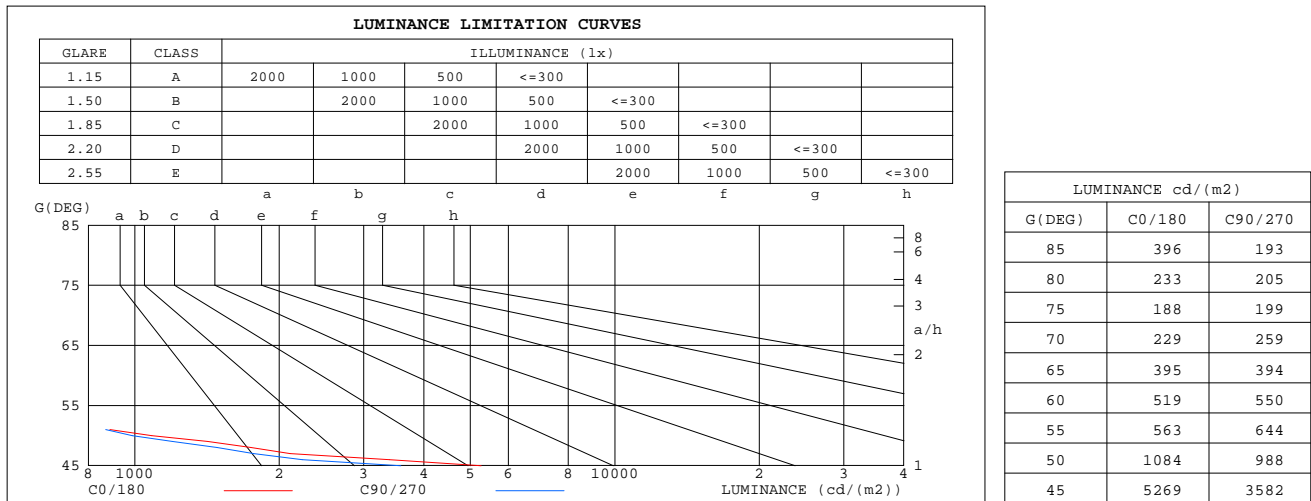
DIM.:

SERIAL No.: 2310111215

MFR.: RISE

SUR.: 0.001589625m2

Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-11

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-1083C 50R
DRIVER: PUP20A-1WMC 500mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.06V I:0.1650A P:19.705W PF:0.9935 Freq:59.98Hz
Lamp Flux:1874.5x1 lm

NAME: 2318.138-LEA-15

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

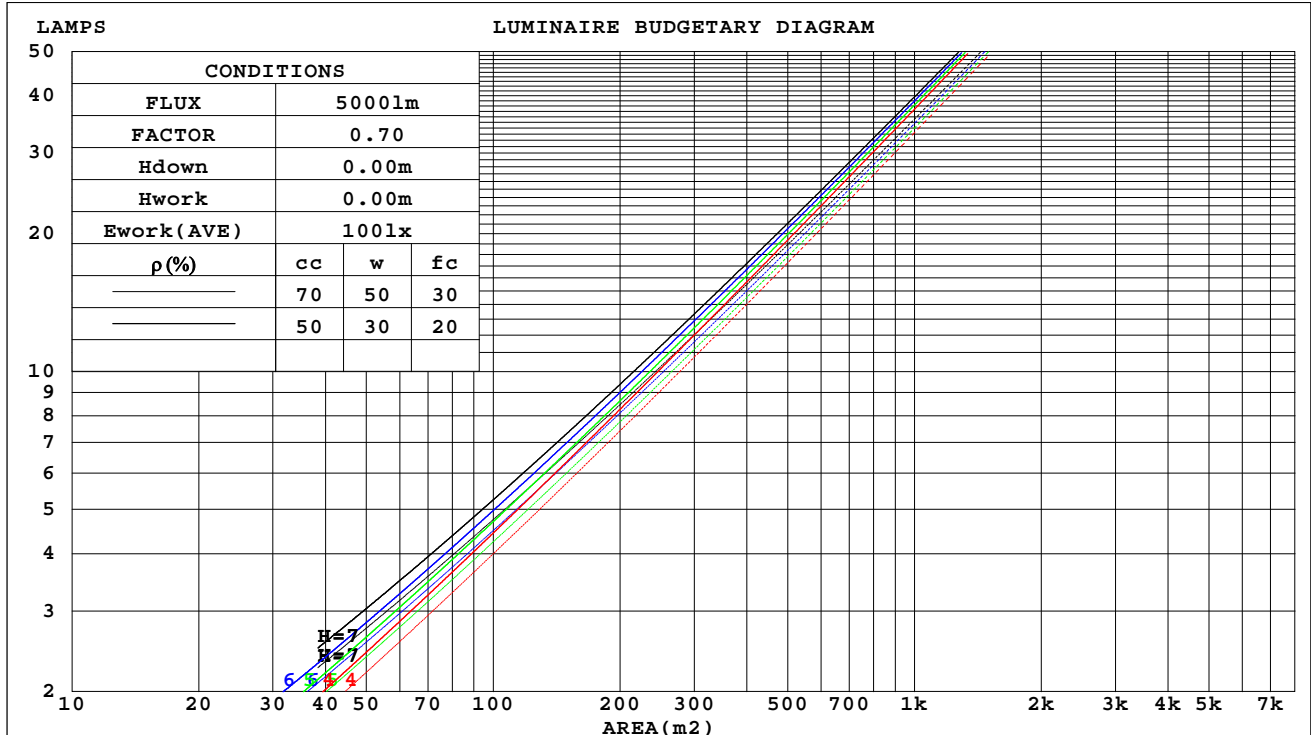
SERIAL No.: 2310111215

MFR.: RISE

SUR.: 0.001589625m2

Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-11

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-1083C 50R
DRIVER: PUP20A-1WMC 500mA
30minutes warm-up

WEC AND CCEC

Test:U:120.06V I:0.1650A P:19.705W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310111215
MFR.: RISE	SUR.: 0.001589625m2	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	.120	.068	.022	.115	.065	.021	.105	.060	.019	.097	.056	.018	.089	.051	.017	
2.0	.113	.062	.019	.109	.060	.019	.101	.056	.017	.094	.053	.017	.087	.049	.016	
3.0	.107	.057	.017	.104	.056	.017	.097	.053	.016	.091	.050	.015	.085	.047	.015	
4.0	.102	.053	.016	.099	.052	.015	.093	.049	.015	.088	.047	.014	.083	.045	.014	
5.0	.097	.049	.014	.094	.048	.014	.090	.047	.014	.085	.045	.013	.081	.043	.013	
6.0	.093	.046	.013	.090	.046	.013	.086	.044	.013	.082	.043	.013	.078	.041	.012	
7.0	.089	.044	.012	.087	.043	.012	.083	.042	.012	.080	.041	.012	.076	.040	.012	
8.0	.085	.042	.012	.083	.041	.012	.080	.040	.011	.077	.039	.011	.074	.038	.011	
9.0	.082	.040	.011	.080	.039	.011	.077	.038	.011	.075	.037	.011	.072	.037	.011	
10.0	.079	.038	.010	.077	.037	.010	.075	.037	.010	.072	.036	.010	.070	.035	.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	.143	.143	.143	.122	.122	.122	.083	.083	.083	.048	.048	.048	.015	.015	.015		
1.0	.128	.118	.110	.109	.102	.095	.075	.070	.065	.043	.040	.038	.014	.013	.012		
2.0	.115	.100	.086	.099	.086	.075	.068	.059	.052	.039	.035	.031	.013	.011	.010		
3.0	.105	.085	.069	.090	.074	.060	.062	.051	.042	.036	.030	.025	.011	.010	.008		
4.0	.097	.074	.057	.083	.064	.049	.057	.045	.035	.033	.026	.020	.011	.008	.007		
5.0	.090	.065	.047	.077	.056	.041	.053	.039	.029	.031	.023	.017	.010	.008	.006		
6.0	.084	.058	.039	.072	.050	.034	.050	.035	.024	.029	.021	.014	.009	.007	.005		
7.0	.079	.052	.033	.068	.045	.029	.047	.032	.021	.027	.019	.012	.009	.006	.004		
8.0	.074	.047	.028	.064	.041	.025	.044	.029	.018	.026	.017	.010	.008	.006	.003		
9.0	.071	.043	.025	.061	.038	.022	.042	.026	.015	.025	.016	.009	.008	.005	.003		
10.0	.067	.040	.022	.058	.035	.019	.040	.024	.013	.023	.014	.008	.008	.005	.003		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-11

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-1083C 50R
DRIVER: PUP20A-1WMC 500mA
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.06V I:0.1650A P:19.705W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm										
NAME: 2318.138-LEA-15					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2310111215		
MFR.: RISE					SUR.: 0.001589625m2			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	16.0	16.8	16.2	17.0	17.2	15.6	16.4	15.8	16.5	16.7
3H	15.9	16.6	16.1	16.8	17.0	15.4	16.2	15.6	16.3	16.5
4H	15.8	16.5	16.0	16.7	16.9	15.3	16.0	15.6	16.2	16.5
6H	15.7	16.4	16.0	16.6	16.8	15.2	15.9	15.5	16.1	16.4
8H	15.6	16.3	15.9	16.5	16.8	15.2	15.8	15.5	16.1	16.3
12H	15.6	16.2	15.9	16.5	16.7	15.1	15.8	15.4	16.0	16.3
4H 2H	15.8	16.5	16.0	16.7	16.9	15.3	16.0	15.6	16.2	16.5
3H	15.6	16.2	15.9	16.5	16.7	15.1	15.8	15.4	16.0	16.3
4H	15.5	16.1	15.8	16.4	16.7	15.0	15.6	15.4	15.9	16.2
6H	15.4	15.9	15.8	16.2	16.6	14.9	15.4	15.3	15.8	16.1
8H	15.3	15.8	15.7	16.2	16.5	14.9	15.4	15.3	15.7	16.1
12H	15.3	15.7	15.7	16.1	16.5	14.8	15.3	15.2	15.6	16.0
8H 4H	15.3	15.8	15.7	16.2	16.5	14.9	15.4	15.3	15.7	16.1
6H	15.2	15.6	15.7	16.0	16.4	14.8	15.2	15.2	15.6	16.0
8H	15.2	15.5	15.6	15.9	16.4	14.7	15.1	15.2	15.5	15.9
12H	15.1	15.4	15.6	15.8	16.3	14.7	15.0	15.1	15.4	15.9
12H 4H	15.3	15.7	15.7	16.1	16.5	14.8	15.3	15.2	15.6	16.0
6H	15.2	15.5	15.6	15.9	16.4	14.7	15.1	15.2	15.5	15.9
8H	15.1	15.4	15.6	15.8	16.3	14.7	15.0	15.1	15.4	15.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 4.7 / -23.5					+ 4.9 / -23.1				
1.5H	+ 7.5 / -23.0					+ 7.7 / -22.7				
2.0H	+ 8.6 / - 5.6					+ 7.7 / - 4.0				

CIE Pub.117, 1875 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.2)
Area: 0.00158963 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-11

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-1083C 50R
DRIVER: PUP20A-1WMC 500mA
30minutes warm-up

UTILIZATION FACTORS TABLE

Test:U:120.06V I:0.1650A P:19.705W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310111215
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

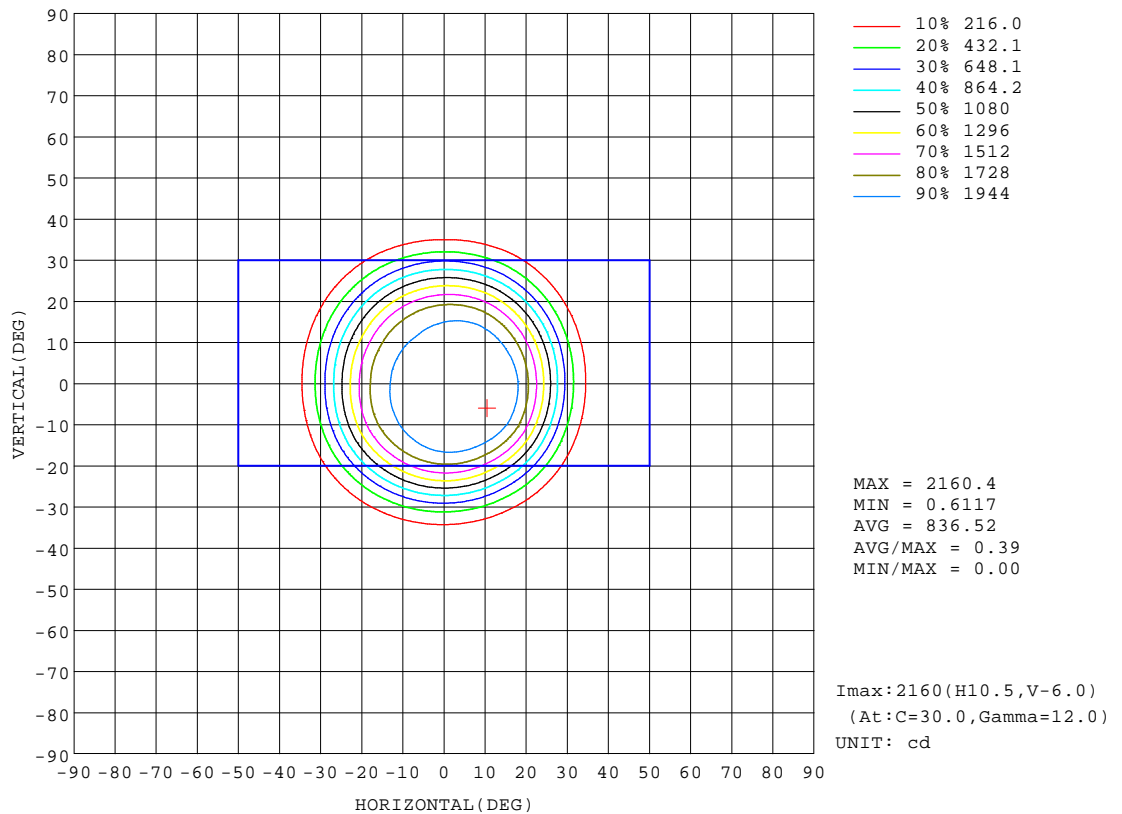
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	68	64	62	68	64	62	68	64	61	59
0.80	74	70	67	73	70	67	72	69	67	64
1.00	76	73	70	76	72	70	75	72	70	67
1.25	79	76	73	78	75	73	77	74	72	70
1.50	81	78	76	80	77	75	78	76	74	71
2.00	83	80	78	81	79	77	80	77	76	72
2.50	84	81	79	82	80	78	80	78	77	73
3.00	85	82	81	83	81	80	81	79	78	73
4.00	86	84	83	85	83	82	82	81	80	74
5.00	87	85	84	85	84	83	82	82	81	75
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:2023-10-11

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-1083C 50R
DRIVER: PUP20A-1WMC 500mA
30minutes warm-up

ISOCANDELA DIAGRAM

Test:U:120.06V I:0.1650A P:19.705W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310111215
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

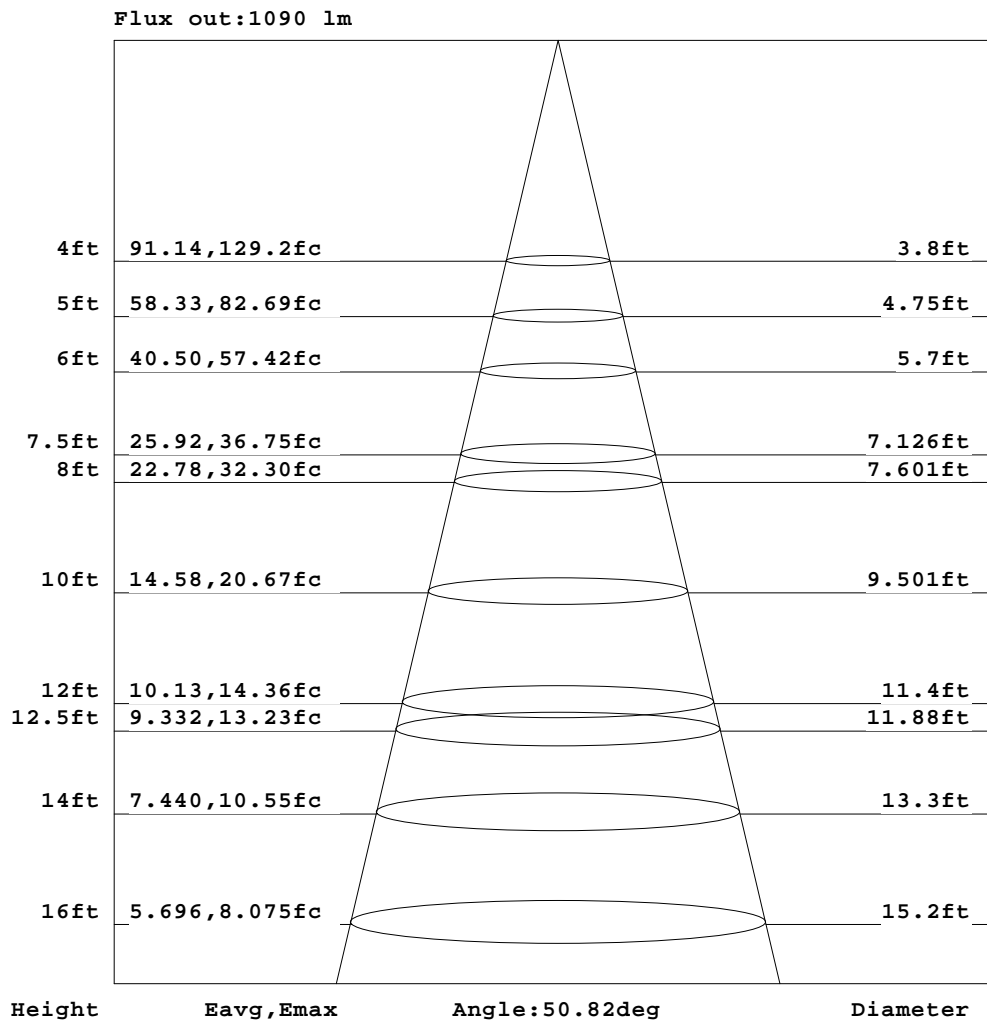


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
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Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
LENS:PM-1083C 50R
DRIVER: PUP20A-1WMC 500mA
30minutes warm-up

AAI Figure

Test:U:120.06V I:0.1650A P:19.705W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310111215
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:



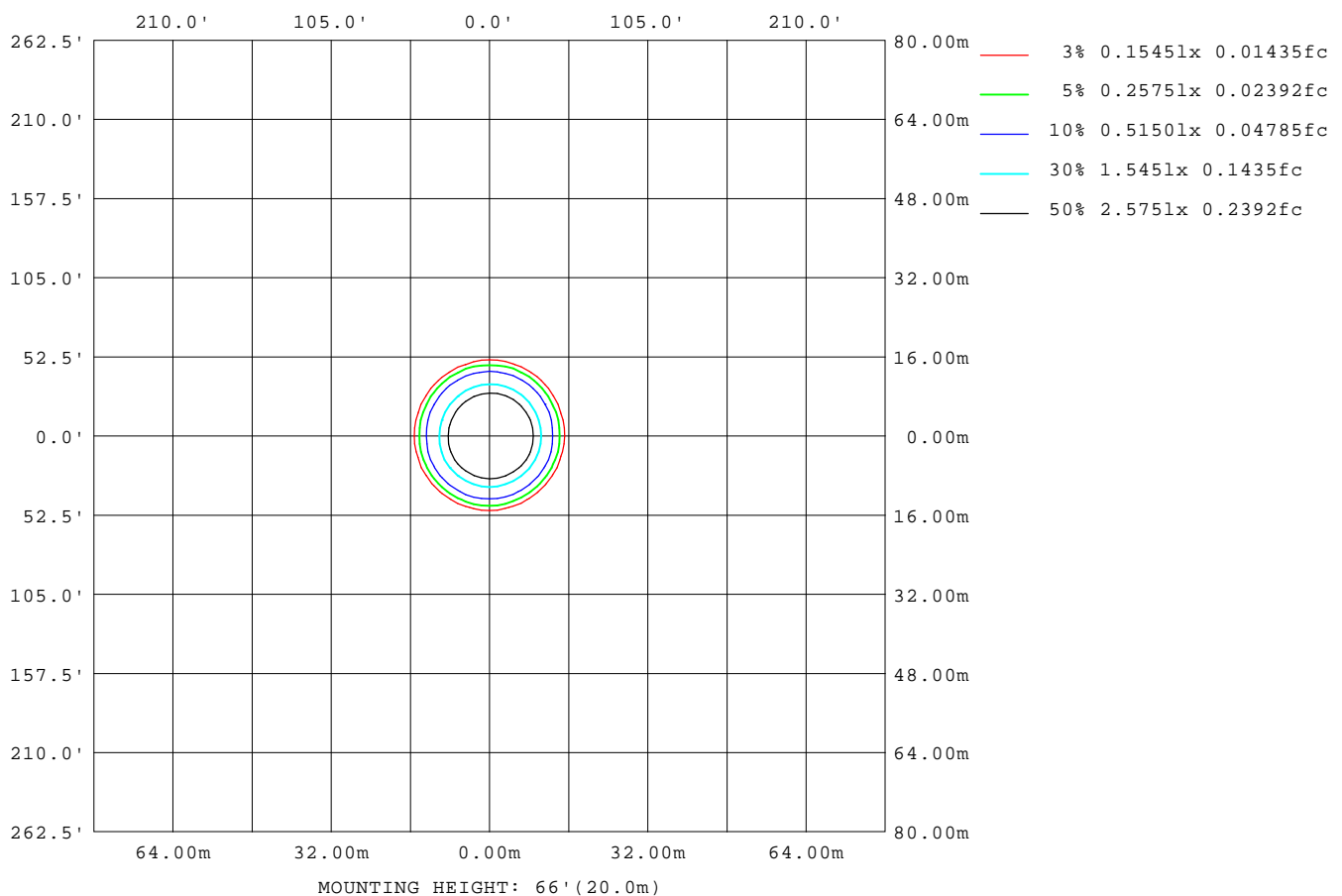
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: zoe
Test Date: 2023-10-11

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-1083C 50R
DRIVER: PUP20A-1WMC 500mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:120.06V I:0.1650A P:19.705W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310111215
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:zoe
Test Date:2023-10-11

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-1083C 50R
DRIVER: PUP20A-1WMC 500mA
30minutes warm-up

LED Avg.L Report

Test:U:120.06V I:0.1650A P:19.705W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310111215
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

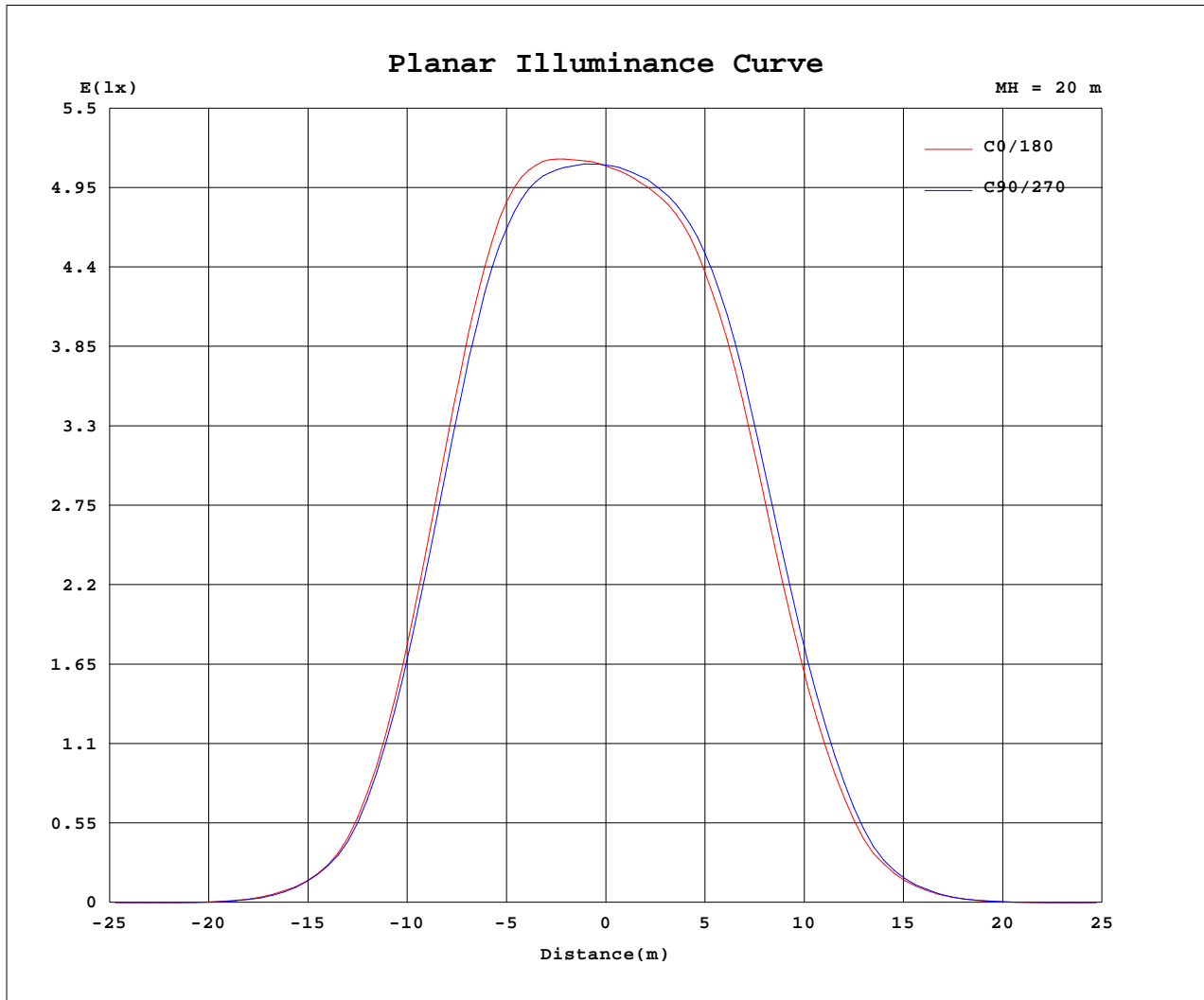
AvgL	cd/m2
L_0~180(65)av	520
L_0~180(75)av	335
L_0~180(85)av	395
L_90~270(65)av	539
L_90~270(75)av	356
L_90~270(85)av	210
L_45(65)av	593
L_45(75)av	360
L_45(85)av	166

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-11

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-1083C 50R
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: 2023-10-11

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-1083C 50R
 DRIVER: PUP20A-1WMC 500mA
 30minutes warm-up

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.06V I:0.1650A P:19.705W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.138-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310111215
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042	2042						
5	2083	2086	2076	2062	2045	2028	2018	2014	2018	2034	2052	2069						
10	2139	2150	2118	2090	2051	2017	1999	1993	1996	2025	2063	2099						
15	2102	2116	2051	2018	1961	1914	1876	1875	1890	1941	1998	2038						
20	1783	1805	1722	1693	1655	1631	1567	1567	1606	1658	1717	1745						
25	1203	1212	1141	1133	1119	1118	1057	1072	1119	1161	1202	1206						
30	583	580	544	552	558	573	549	573	603	626	636	612						
35	189	186	178	185	188	198	196	203	217	214	226	204						
40	50.9	46.3	43.7	44.9	45.3	47.2	50.6	54.3	54.0	55.0	59.2	54.2						
45	5.93	5.19	3.99	4.02	4.35	4.62	5.35	7.20	6.80	8.02	7.75	7.20						
50	1.11	0.97	0.85	1.01	1.35	1.34	0.90	0.86	1.08	1.23	1.33	1.33						
55	0.51	0.48	0.48	0.59	0.91	0.91	0.69	0.65	0.64	0.72	0.89	0.72						
60	0.41	0.42	0.41	0.44	0.66	0.68	0.58	0.56	0.55	0.61	0.72	0.55						
65	0.27	0.25	0.22	0.26	0.44	0.48	0.43	0.43	0.43	0.46	0.52	0.38						
70	0.12	0.08	0.08	0.14	0.27	0.32	0.30	0.30	0.30	0.32	0.35	0.23						
75	0.08	0.06	0.06	0.08	0.15	0.19	0.20	0.19	0.20	0.21	0.21	0.13						
80	0.06	0.05	0.05	0.06	0.07	0.10	0.11	0.11	0.11	0.11	0.10	0.07						
85	0.05	0.03	0.02	0.03	0.02	0.03	0.05	0.03	0.03	0.03	0.02	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
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Operators:zoe
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