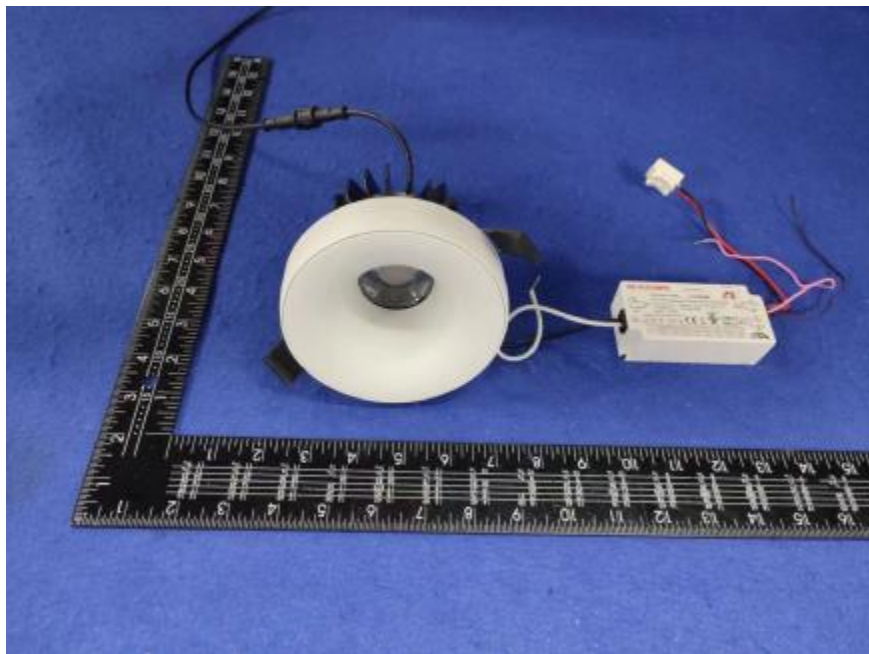


Luminaire Photograph



Light Output Ratio:	83.0%	
Luminaire Power:	19.98 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.80	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

Range: 0 - 180DEG
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

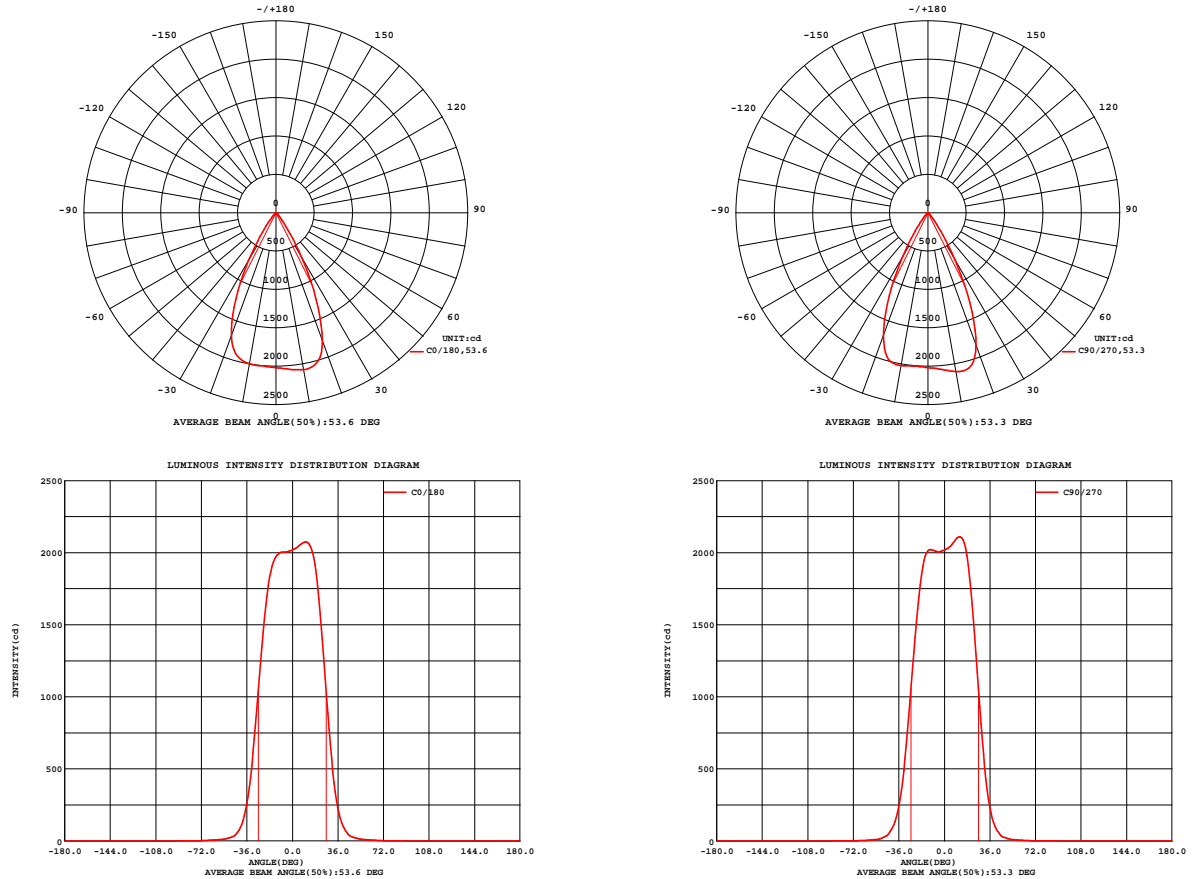


Fig. C0/C180

Fig. C90/C270

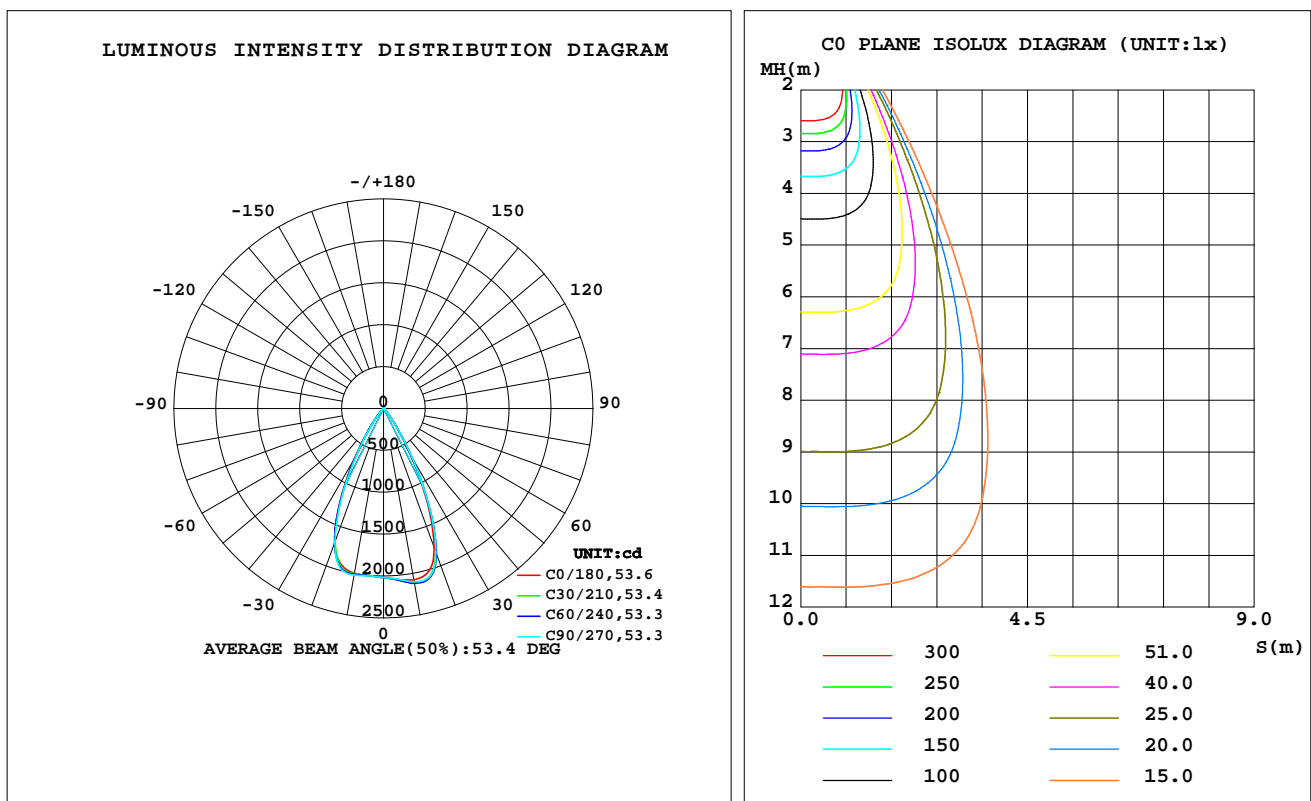
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-11-2

Range: 0 - 180DEG
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:120.07V I:0.1673A P:19.978W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021303
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.88 lm/W			
MODEL	Bridgelux	Imax(cd)	2125	S/MH(C0/180)	0.80
NOMINAL POWER(W)	20	LOR(%)	83.0	S/MH(C90/270)	0.79
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1555.9	UP,DN(C0-180)	0.0,42.2
NOMINAL FLUX(lm)	1874.5	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,40.8
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	down(%)	83.0	CIBSE SHR MAX	0.80



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

Range: 0 - 180DEG
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:

	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	2074	2113	2101	2044	1997	2006	2019	2042	0- 10	194.4	194.4	12.5,10.4
20	1771	1838	1829	1760	1703	1703	1700	1704	10- 20	555.2	749.6	48.2,40
30	671.6	695.5	702.8	696.4	710.1	687.2	663.1	647.3	20- 30	555.2	1305	83.9,69.6
40	106.1	104.8	104.0	105.1	115.0	113.7	110.5	110.1	30- 40	198.8	1504	96.6,80.2
50	21.01	19.25	17.06	20.03	21.55	20.18	16.78	20.73	40- 50	36.92	1540	99.82.2
60	8.044	7.116	5.867	7.351	8.215	6.936	5.514	7.033	50- 60	10.16	1551	99.7,82.7
70	2.709	2.003	1.481	2.308	2.862	1.917	1.369	2.101	60- 70	4.241	1555	99.9,82.9
80	0.3468	0.1676	0.1347	0.2243	0.3699	0.1580	0.1279	0.2077	70- 80	0.9633	1556	100,83
90	0	0	0	0	0	0	0	0	80- 90	0.0858	1556	100,83
100	0	0	0	0	0	0	0	0	90-100	0	1556	100,83
110	0	0	0	0	0	0	0	0	100-110	0	1556	100,83
120	0	0	0	0	0	0	0	0	110-120	0	1556	100,83
130	0	0	0	0	0	0	0	0	120-130	0	1556	100,83
140	0	0	0	0	0	0	0	0	130-140	0	1556	100,83
150	0	0	0	0	0	0	0	0	140-150	0	1556	100,83
160	0	0	0	0	0	0	0	0	150-160	0	1556	100,83
170	0	0	0	0	0	0	0	0	160-170	0	1556	100,83
180	0	0	0	0	0	0	0	0	170-180	0	1556	100,83
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

Range: 0 - 180DEG
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:120.07V I:0.1673A P:19.978W PF:0.9935 Freq:59.98Hz
Lamp Flux:1874.5x1 lm

NAME: 2318.223-LEA-15

TYPE:

WEIGHT:

SPEC.: 3000K

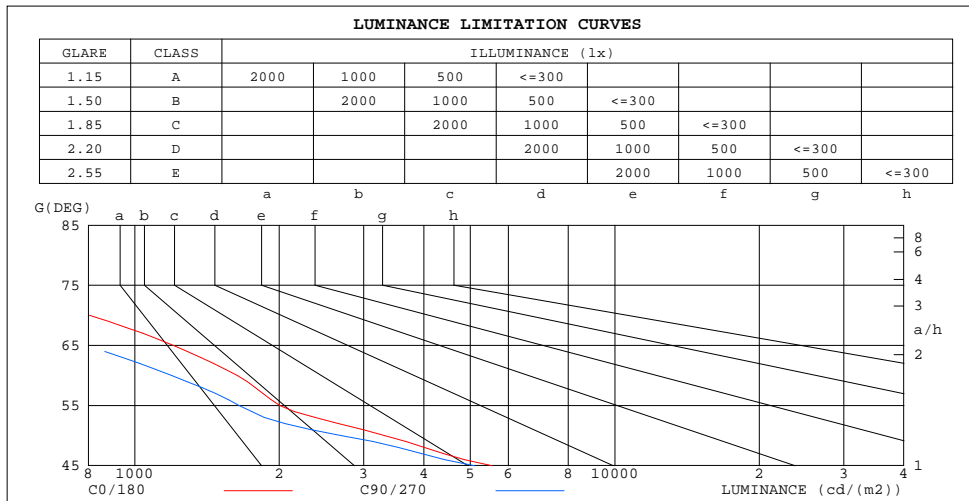
DIM.:

SERIAL No.: 2311021303

MFR.: RISE

SUR.: 0.00984704m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	90	63
80	203	79
75	456	200
70	804	440
65	1202	786
60	1634	1193
55	2006	1649
50	3319	2698
45	5552	5097

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

Range: 0 - 180DEG
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:120.07V I:0.1673A P:19.978W PF:0.9935 Freq:59.98Hz
Lamp Flux:1874.5x1 lm

NAME: 2318.223-LEA-15

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

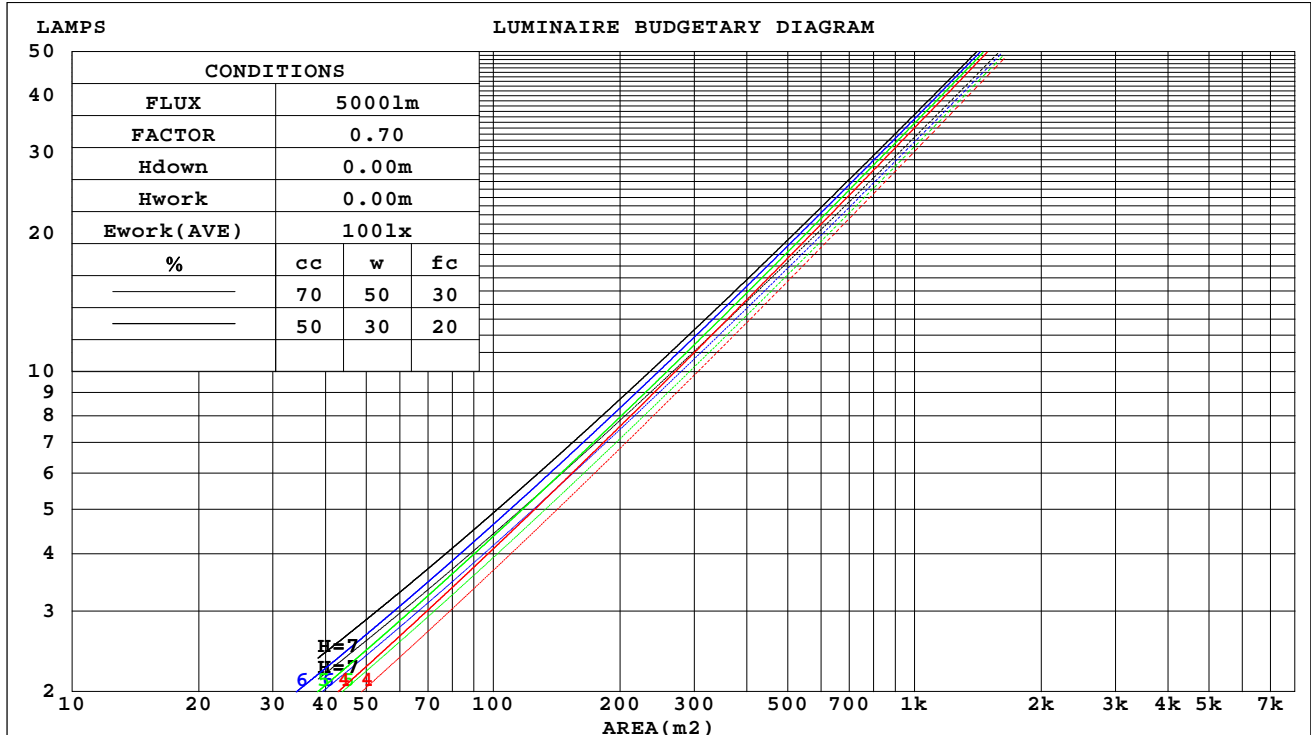
SERIAL No.: 2311021303

MFR.: RISE

SUR.: 0.00984704m2

Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
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:2023-11-2

Range: 0 - 180DEG
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:120.07V I:0.1673A P:19.978W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021303
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0	
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
fc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.138	.078	.025	.132	.075	.024	.122	.070	.022	.112	.065	.021	.103	.060	.019		
2.0	.131	.072	.022	.126	.070	.021	.118	.065	.020	.110	.061	.019	.102	.058	.018		
3.0	.124	.066	.020	.120	.064	.019	.113	.061	.019	.106	.058	.018	.100	.055	.017		
4.0	.118	.061	.018	.115	.060	.018	.108	.058	.017	.103	.055	.017	.097	.053	.016		
5.0	.113	.057	.017	.110	.056	.016	.104	.054	.016	.099	.052	.016	.094	.050	.015		
6.0	.108	.054	.015	.105	.053	.015	.100	.051	.015	.096	.050	.015	.091	.048	.014		
7.0	.103	.051	.014	.101	.050	.014	.096	.049	.014	.092	.047	.014	.089	.046	.014		
8.0	.099	.048	.014	.097	.048	.013	.093	.046	.013	.089	.045	.013	.086	.044	.013		
9.0	.095	.046	.013	.093	.045	.013	.090	.044	.013	.086	.043	.012	.083	.042	.012		
10.0	.091	.044	.012	.089	.043	.012	.086	.042	.012	.084	.041	.012	.081	.041	.012		

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.158	.158	.158	.135	.135	.135	.092	.092	.092	.053	.053	.053	.017	.017	.017	
1.0	.141	.131	.121	.121	.112	.104	.083	.077	.072	.048	.045	.042	.015	.014	.014	
2.0	.128	.110	.095	.110	.095	.082	.075	.066	.057	.043	.038	.034	.014	.012	.011	
3.0	.117	.094	.076	.101	.081	.066	.069	.056	.046	.040	.033	.027	.013	.011	.009	
4.0	.108	.082	.062	.093	.071	.054	.064	.049	.038	.037	.029	.022	.012	.009	.007	
5.0	.101	.072	.051	.087	.062	.044	.060	.044	.031	.035	.026	.019	.011	.008	.006	
6.0	.094	.064	.043	.081	.056	.037	.056	.039	.026	.032	.023	.016	.010	.007	.005	
7.0	.089	.058	.036	.077	.050	.031	.053	.035	.022	.031	.021	.013	.010	.007	.004	
8.0	.084	.053	.031	.072	.046	.027	.050	.032	.019	.029	.019	.011	.009	.006	.004	
9.0	.080	.048	.027	.069	.042	.023	.048	.029	.017	.028	.017	.010	.009	.006	.003	
10.0	.076	.045	.023	.066	.039	.020	.046	.027	.015	.027	.016	.009	.009	.005	.003	

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

Range: 0 - 180DEG
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:120.07V I:0.1673A P:19.978W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm										
NAME: 2318.223-LEA-15					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2311021303		
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	12.1	13.0	12.3	13.1	13.3	12.1	13.0	12.3	13.1	13.3
3H	12.0	12.8	12.2	13.0	13.2	11.9	12.7	12.2	12.9	13.1
4H	11.9	12.6	12.2	12.9	13.1	11.9	12.6	12.1	12.8	13.1
6H	11.8	12.5	12.1	12.7	13.0	11.8	12.5	12.1	12.7	13.0
8H	11.7	12.4	12.1	12.7	12.9	11.7	12.4	12.0	12.7	12.9
12H	11.7	12.4	12.0	12.6	12.9	11.7	12.3	12.0	12.6	12.9
4H 2H	11.9	12.6	12.1	12.8	13.1	11.9	12.6	12.1	12.8	13.1
3H	11.7	12.4	12.0	12.6	12.9	11.7	12.4	12.0	12.6	12.9
4H	11.6	12.2	12.0	12.5	12.8	11.6	12.2	12.0	12.5	12.8
6H	11.5	12.1	11.9	12.4	12.7	11.5	12.0	11.9	12.4	12.7
8H	11.5	12.0	11.9	12.3	12.7	11.5	12.0	11.9	12.3	12.7
12H	11.4	11.9	11.8	12.3	12.6	11.4	11.9	11.8	12.2	12.6
8H 4H	11.5	12.0	11.9	12.3	12.7	11.5	12.0	11.9	12.3	12.7
6H	11.4	11.8	11.8	12.2	12.6	11.4	11.8	11.8	12.2	12.6
8H	11.3	11.7	11.8	12.1	12.5	11.3	11.7	11.8	12.1	12.5
12H	11.3	11.6	11.7	12.0	12.5	11.3	11.6	11.7	12.0	12.5
12H 4H	11.4	11.9	11.8	12.3	12.6	11.4	11.9	11.8	12.2	12.6
6H	11.3	11.7	11.8	12.1	12.5	11.3	11.7	11.8	12.1	12.5
8H	11.3	11.6	11.7	12.0	12.5	11.3	11.6	11.7	12.0	12.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.7 / - 8.1					+ 3.9 / - 9.7				
1.5H	+ 6.0 / - 6.8					+ 6.3 / - 7.8				
2.0H	+ 4.5 / - 3.2					+ 4.8 / - 3.9				

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

Range: 0 - 180DEG
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:120.07V I:0.1673A P:19.978W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021303
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

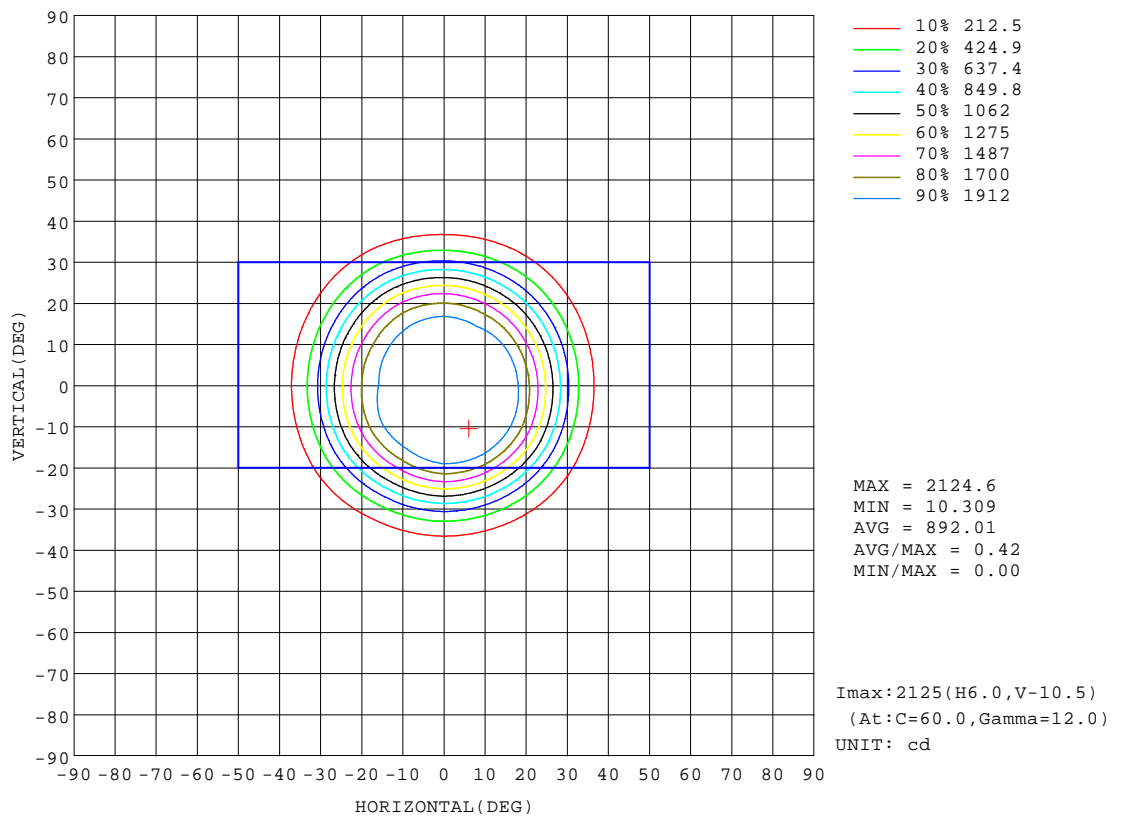
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	74	69	66	74	69	66	73	69	66	63
0.80	80	76	73	80	75	73	79	75	72	69
1.00	84	79	76	83	79	76	82	79	76	73
1.25	87	83	80	86	82	80	84	81	79	76
1.50	89	85	83	88	85	82	86	83	81	78
2.00	91	88	85	90	87	84	87	85	83	79
2.50	92	89	87	91	88	86	88	86	84	80
3.00	93	91	88	92	89	88	89	87	86	81
4.00	95	93	91	93	91	90	90	89	88	82
5.00	96	94	93	94	93	91	91	90	89	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℃
Operators:zoe
Test Date:2023-11-2

Range: 0 - 180DEG
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:120.07V I:0.1673A P:19.978W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021303
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

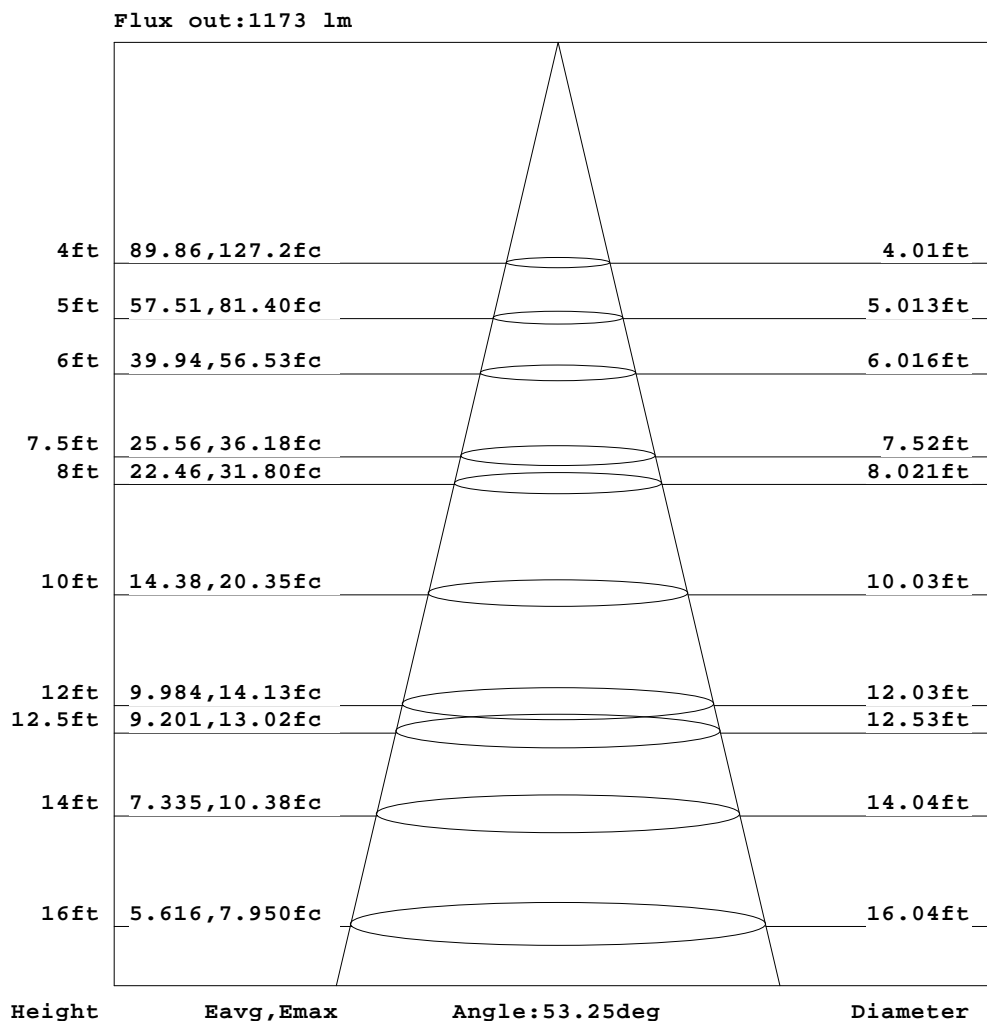


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-11-2

Range: 0 - 180DEG
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:120.07V I:0.1673A P:19.978W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021303
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:



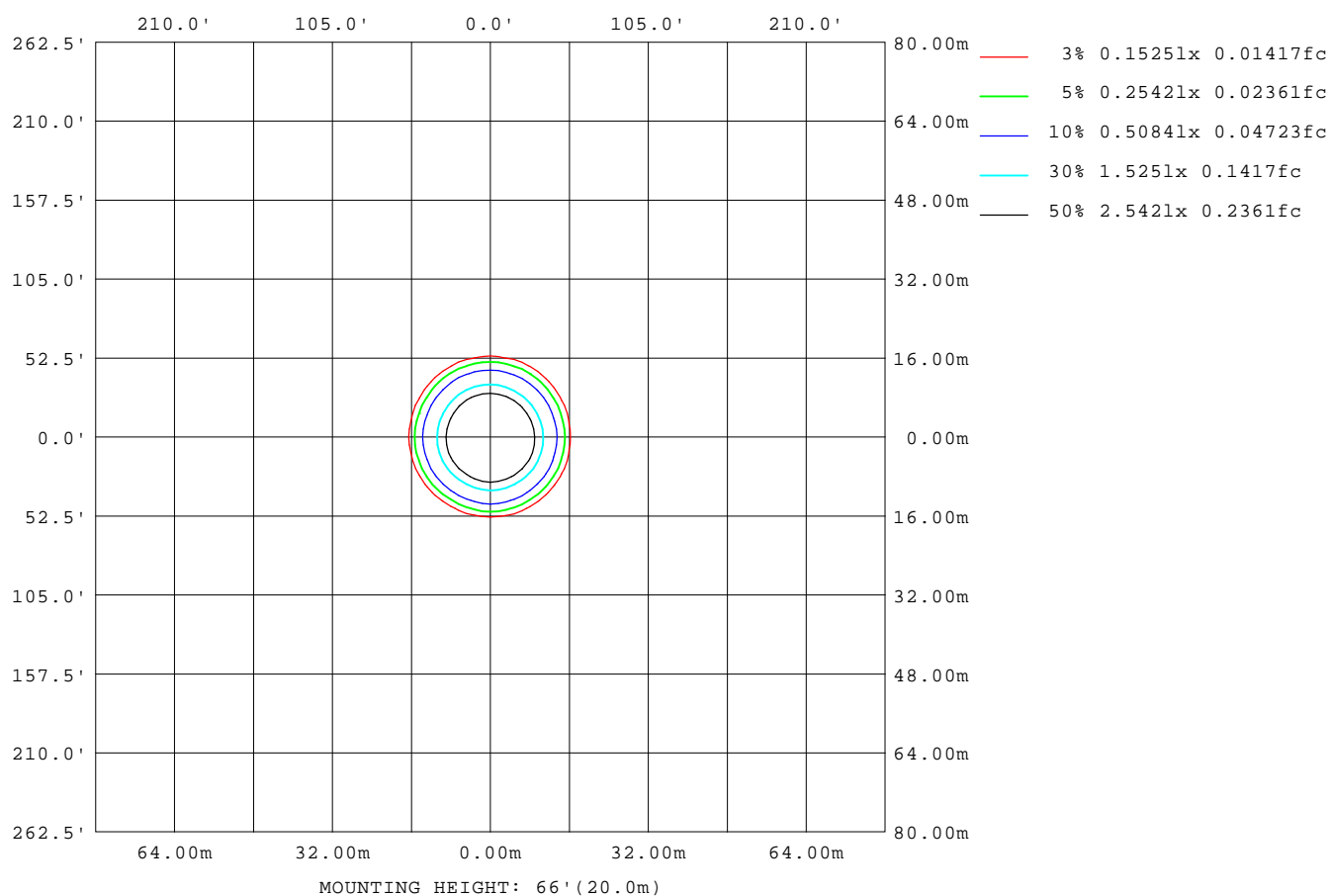
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

Range: 0 - 180DEG
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:120.07V I:0.1673A P:19.978W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021303
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

Range: 0 - 180DEG
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:120.07V I:0.1673A P:19.978W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021303
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

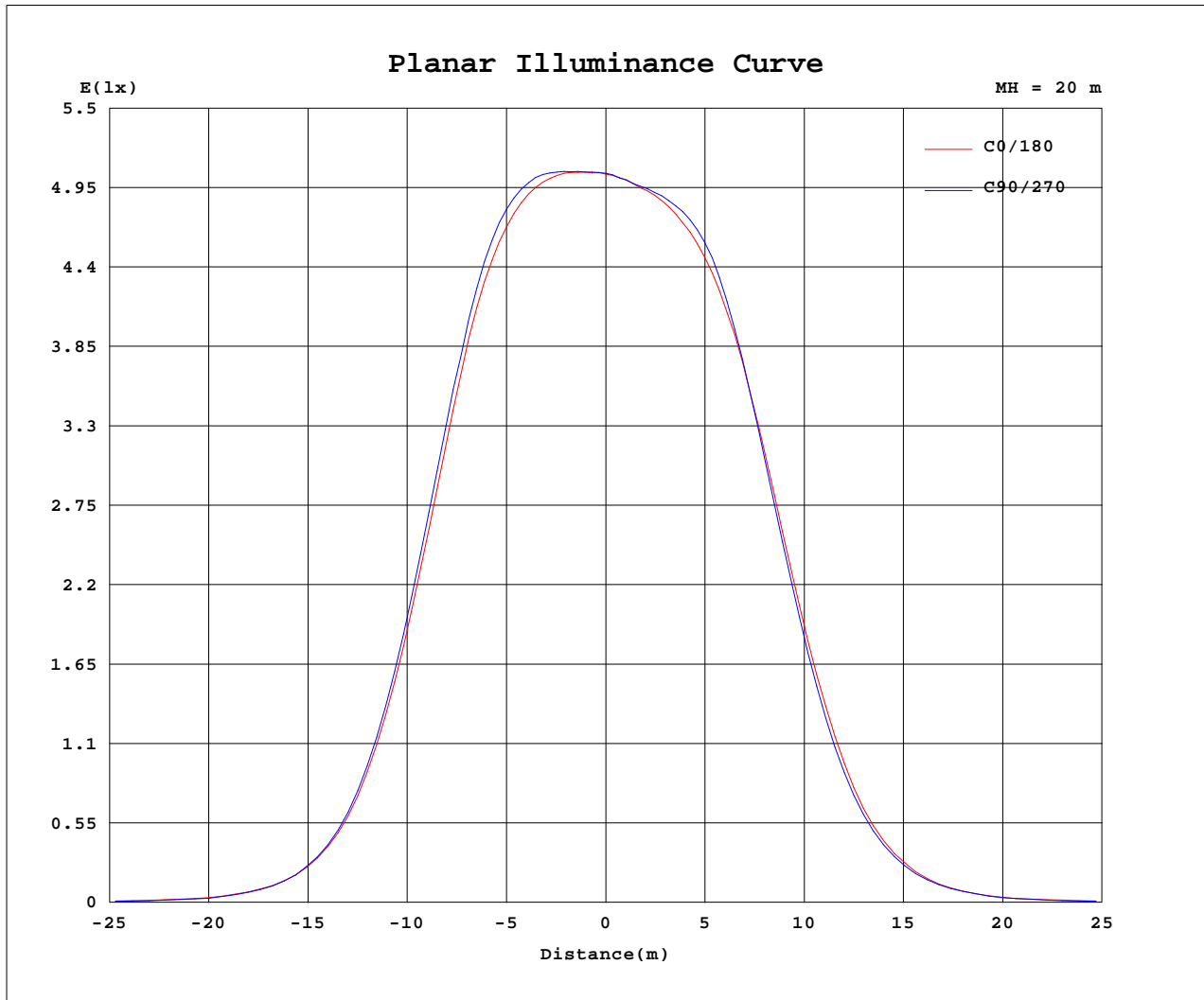
AvgL	cd/m2
L_0~180(65)av	1226
L_0~180(75)av	471
L_0~180(85)av	96
L_90~270(65)av	756
L_90~270(75)av	191
L_90~270(85)av	142
L_45(65)av	1010
L_45(75)av	298
L_45(85)av	40

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

Range: 0 - 180DEG
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: 2023-11-2

Range: 0 - 180DEG
 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:120.07V I:0.1673A P:19.978W PF:0.9935 Freq:59.98Hz Lamp Flux:1874.5x1 lm		
NAME: 2318.223-LEA-15	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311021303
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018						
5	2046	2053	2056	2045	2032	2021	2003	1999	2000	2005	2017	2036						
10	2074	2108	2117	2101	2053	2034	1997	2002	2010	2019	2021	2064						
15	2031	2088	2102	2088	2013	2003	1936	1955	1971	1981	1957	2019						
20	1771	1828	1847	1829	1762	1758	1703	1689	1716	1700	1687	1721						
25	1242	1299	1286	1295	1247	1272	1241	1216	1228	1199	1178	1195						
30	672	699	692	703	675	718	710	684	691	663	645	649						
35	283	289	287	291	277	306	312	300	307	291	287	280						
40	106	105	104	104	99.6	111	115	112	115	110	113	107						
45	38.7	37.5	36.4	35.5	36.3	39.8	41.1	41.2	40.7	39.5	42.1	40.0						
50	21.0	20.6	17.9	17.1	18.5	21.6	21.5	21.7	18.7	16.8	19.9	21.5						
55	11.3	11.2	9.89	9.31	10.1	11.7	11.6	11.2	9.69	9.00	9.79	11.1						
60	8.04	7.85	6.39	5.87	6.57	8.14	8.22	7.71	6.16	5.51	6.28	7.79						
65	5.00	4.65	3.65	3.27	3.79	5.11	5.20	4.55	3.47	3.02	3.54	4.78						
70	2.71	2.27	1.73	1.48	1.82	2.79	2.86	2.21	1.62	1.37	1.66	2.54						
75	1.16	0.80	0.61	0.51	0.63	1.18	1.24	0.78	0.56	0.46	0.57	1.04						
80	0.35	0.19	0.15	0.13	0.15	0.29	0.37	0.18	0.13	0.13	0.15	0.27						
85	0.08	0.04	0.04	0.05	0.02	0.05	0.09	0.04	0.04	0.19	0.05	0.05						
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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Range: 0 - 180DEG
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