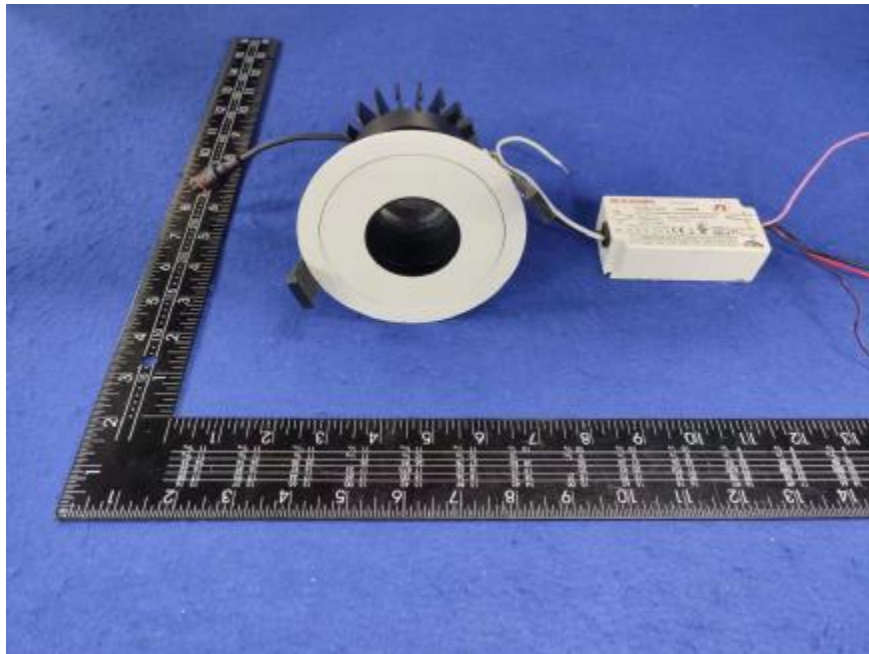


Luminaire Photograph



Light Output Ratio:	58.7%	
Luminaire Power:	17.69 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-10-23

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: BXRV-DR-1830G-1000-K-23 Ra: 90
LENS: PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

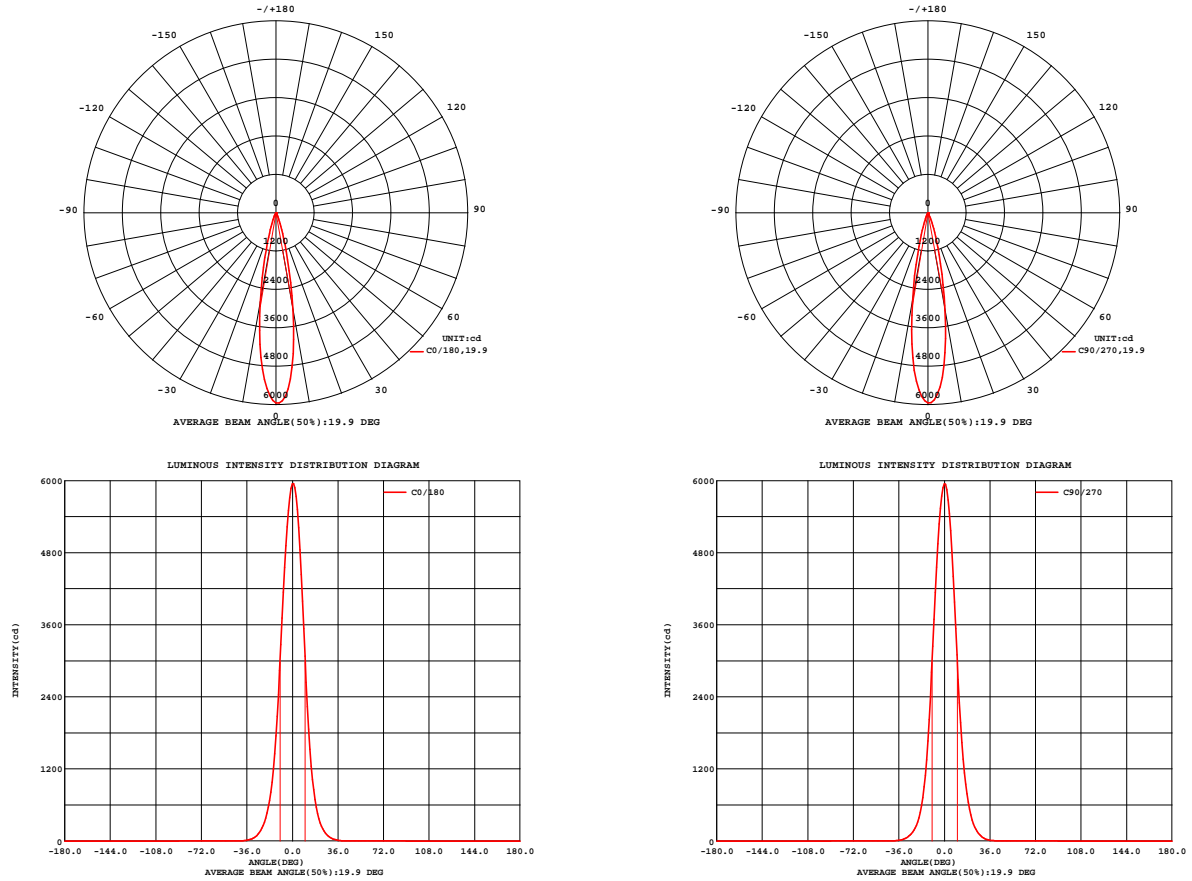


Fig. C0/C180

Fig. C90/C270

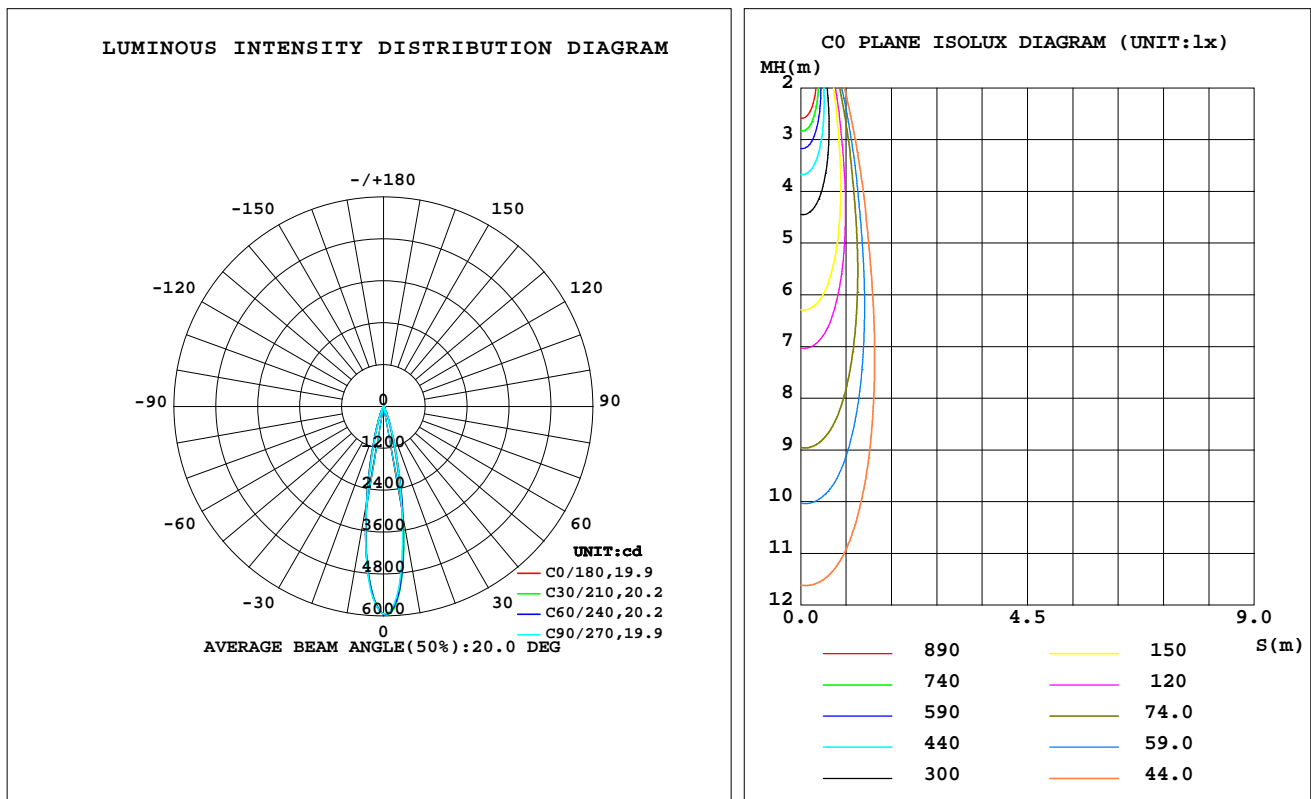
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-10-23

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: BXR-V-DR-1830G-1000-K-23 Ra: 90
LENS: PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.11V I:0.1481A P:17.688W PF:0.9935 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231257
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 49.54 lm/W
MODEL	Bridgelux	I _{max} (cd)	5965	S/MH(C0/180)	0.33	
NOMINAL POWER(W)	18	LOR(%)	58.7	S/MH(C90/270)	0.33	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	876.31	UP,DN(C0-180)	0.0,30.8	
NOMINAL FLUX(lm)	1493.6	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,27.9	
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	120	down(%)	58.7	CIBSE SHR MAX	0.30	



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-23

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:BXRV-DR-1830G-1000-K-23 Ra:90
LENS:PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	3079	3238	3099	2922	2836	2812	2810	2860	0- 10	412.7	412.7	47.1,27.6
20	457.0	546.4	530.9	487.7	464.0	441.8	388.6	389.9	10- 20	361.1	773.9	88.3,51.8
30	57.50	65.55	63.75	60.05	55.64	53.85	50.79	50.58	20- 30	87.08	860.9	98.2,57.6
40	3.621	4.621	5.055	4.281	3.841	4.293	4.130	3.315	30- 40	12.63	873.6	99.7,58.5
50	0.5431	0.9653	1.435	0.9542	0.9600	1.234	1.134	0.5320	40- 50	1.532	875.1	99.9,58.6
60	0.2769	0.5127	0.7871	0.6022	0.6335	0.7523	0.6669	0.2980	50- 60	0.6521	875.8	99.9,58.6
70	0.0638	0.1740	0.3199	0.2818	0.3117	0.3300	0.2539	0.0785	60- 70	0.3735	876.1	100,58.7
80	0.0634	0.0542	0.0873	0.0925	0.1305	0.1005	0.0673	0.0423	70- 80	0.1481	876.3	100,58.7
90	0	0	0	0	0	0	0	0	80- 90	0.0385	876.3	100,58.7
100	0	0	0	0	0	0	0	0	90-100	0	876.3	100,58.7
110	0	0	0	0	0	0	0	0	100-110	0	876.3	100,58.7
120	0	0	0	0	0	0	0	0	110-120	0	876.3	100,58.7
130	0	0	0	0	0	0	0	0	120-130	0	876.3	100,58.7
140	0	0	0	0	0	0	0	0	130-140	0	876.3	100,58.7
150	0	0	0	0	0	0	0	0	140-150	0	876.3	100,58.7
160	0	0	0	0	0	0	0	0	150-160	0	876.3	100,58.7
170	0	0	0	0	0	0	0	0	160-170	0	876.3	100,58.7
180	0	0	0	0	0	0	0	0	170-180	0	876.3	100,58.7
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-23

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:BXRV-DR-1830G-1000-K-23 Ra:90
LENS:PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:120.11V I:0.1481A P:17.688W PF:0.9935 Freq:59.98Hz
Lamp Flux:1493.6x1 lm

NAME: 2318.138-LEA-15-DW

TYPE:

WEIGHT:

SPEC.: 3000K

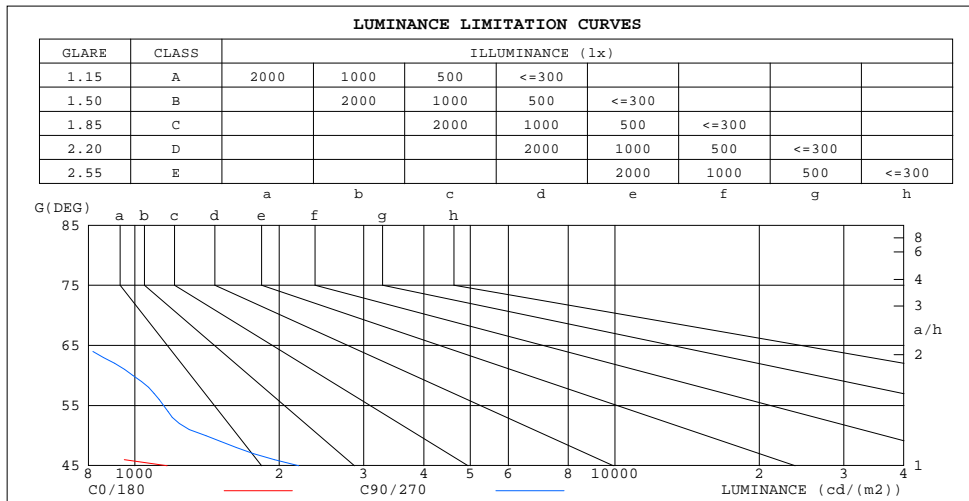
DIM.:

SERIAL No.: 2310231257

MFR.: RISE

SUR.: 0.001589625m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	385	296
80	229	316
75	158	420
70	117	589
65	232	775
60	348	991
55	417	1148
50	530	1406
45	1167	2195

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-23

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:BXRV-DR-1830G-1000-K-23 Ra:90
LENS:PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.11V I:0.1481A P:17.688W PF:0.9935 Freq:59.98Hz
Lamp Flux:1493.6x1 lm

NAME: 2318.138-LEA-15-DW

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

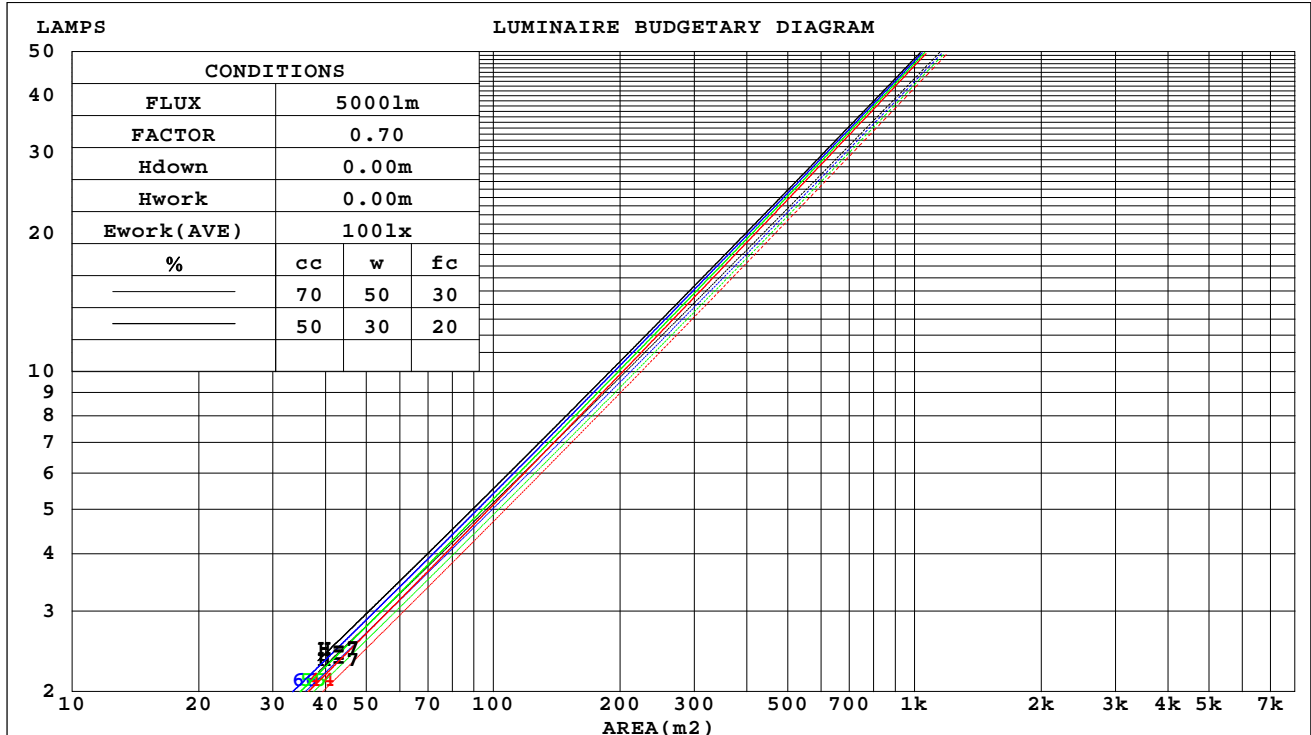
SERIAL No.: 2310231257

MFR.: RISE

SUR.: 0.001589625m2

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:2023-10-23

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:BXRV-DR-1830G-1000-K-23 Ra:90
LENS:PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

WEC AND CCEC

Test:U:120.11V I:0.1481A P:17.688W PF:0.9935 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231257
MFR.: RISE	SUR.: 0.001589625m2	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	.073	.042	.013	.070	.040	.013	.062	.036	.011	.056	.032	.010	.050	.029	.009		
2.0	.067	.037	.011	.064	.035	.011	.058	.032	.010	.053	.030	.009	.048	.027	.009		
3.0	.062	.033	.010	.060	.032	.010	.055	.030	.009	.050	.027	.008	.046	.025	.008		
4.0	.058	.030	.009	.056	.029	.009	.052	.027	.008	.048	.026	.008	.044	.024	.007		
5.0	.054	.028	.008	.052	.027	.008	.049	.025	.007	.046	.024	.007	.043	.023	.007		
6.0	.051	.026	.007	.050	.025	.007	.047	.024	.007	.044	.023	.007	.041	.022	.006		
7.0	.048	.024	.007	.047	.023	.007	.044	.022	.006	.042	.022	.006	.040	.021	.006		
8.0	.046	.022	.006	.045	.022	.006	.042	.021	.006	.040	.020	.006	.038	.020	.006		
9.0	.044	.021	.006	.043	.021	.006	.041	.020	.006	.039	.019	.006	.037	.019	.005		
10.0	.042	.020	.006	.041	.020	.006	.039	.019	.005	.038	.019	.005	.036	.018	.005		

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	.112	.112	.112	.096	.096	.096	.065	.065	.065	.037	.037	.037	.012	.012	.012	
1.0	.098	.093	.087	.084	.079	.075	.058	.055	.052	.033	.032	.030	.011	.010	.010	
2.0	.087	.078	.070	.075	.067	.061	.051	.046	.042	.030	.027	.025	.009	.009	.008	
3.0	.078	.066	.057	.067	.057	.050	.046	.040	.035	.027	.023	.020	.009	.008	.007	
4.0	.070	.057	.047	.060	.049	.041	.041	.034	.029	.024	.020	.017	.008	.007	.006	
5.0	.064	.050	.040	.055	.043	.035	.038	.030	.024	.022	.018	.014	.007	.006	.005	
6.0	.058	.044	.034	.050	.038	.029	.035	.027	.021	.020	.016	.012	.006	.005	.004	
7.0	.054	.039	.029	.046	.034	.025	.032	.024	.018	.019	.014	.011	.006	.005	.004	
8.0	.050	.035	.025	.043	.030	.022	.030	.021	.015	.017	.013	.009	.006	.004	.003	
9.0	.046	.032	.022	.040	.027	.019	.028	.019	.013	.016	.011	.008	.005	.004	.003	
10.0	.043	.029	.019	.037	.025	.017	.026	.018	.012	.015	.010	.007	.005	.003	.002	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-23

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:BXRV-DR-1830G-1000-K-23 Ra:90
LENS:PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.11V I:0.1481A P:17.688W PF:0.9935 Freq:59.98Hz Lamp Flux:1493.6x1 lm										
NAME: 2318.138-LEA-15-DW					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2310231257		
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	2.1	2.7	2.3	2.8	3.0	3.0	3.5	3.1	3.7	3.8
3H	2.0	2.5	2.2	2.7	2.9	2.9	3.4	3.1	3.6	3.8
4H	1.9	2.4	2.2	2.6	2.8	2.8	3.3	3.1	3.5	3.7
6H	1.8	2.3	2.1	2.6	2.8	2.8	3.2	3.0	3.5	3.7
8H	1.8	2.3	2.1	2.5	2.8	2.7	3.2	3.0	3.4	3.7
12H	1.8	2.2	2.1	2.5	2.7	2.7	3.1	3.0	3.4	3.6
4H 2H	1.9	2.4	2.2	2.7	2.9	2.8	3.3	3.0	3.5	3.7
3H	1.8	2.2	2.1	2.5	2.7	2.7	3.1	3.0	3.4	3.6
4H	1.7	2.1	2.0	2.4	2.7	2.6	3.0	2.9	3.3	3.6
6H	1.6	2.0	2.0	2.3	2.6	2.5	2.9	2.9	3.2	3.6
8H	1.6	1.9	1.9	2.2	2.6	2.5	2.8	2.9	3.2	3.5
12H	1.5	1.8	1.9	2.2	2.6	2.4	2.7	2.8	3.1	3.5
8H 4H	1.5	1.9	1.9	2.2	2.6	2.5	2.8	2.8	3.1	3.5
6H	1.4	1.7	1.9	2.1	2.5	2.4	2.7	2.8	3.0	3.5
8H	1.4	1.6	1.8	2.1	2.5	2.3	2.6	2.8	3.0	3.4
12H	1.3	1.6	1.8	2.0	2.5	2.3	2.5	2.7	2.9	3.4
12H 4H	1.5	1.8	1.9	2.2	2.6	2.4	2.7	2.8	3.1	3.5
6H	1.4	1.6	1.8	2.0	2.5	2.3	2.6	2.7	3.0	3.4
8H	1.3	1.5	1.8	2.0	2.5	2.3	2.5	2.7	2.9	3.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 4.2 / - 6.7					+ 3.6 / - 3.9				
1.5H	+ 6.5 / - 5.8					+ 5.8 / - 3.7				
2.0H	+ 3.0 / - 2.0					+ 3.1 / - 2.3				

CIE Pub.117, 1494 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)
Area: 0.00158963 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-23

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:BXRV-DR-1830G-1000-K-23 Ra:90
LENS:PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

UTILIZATION FACTORS TABLE

Test:U:120.11V I:0.1481A P:17.688W PF:0.9935 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231257
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

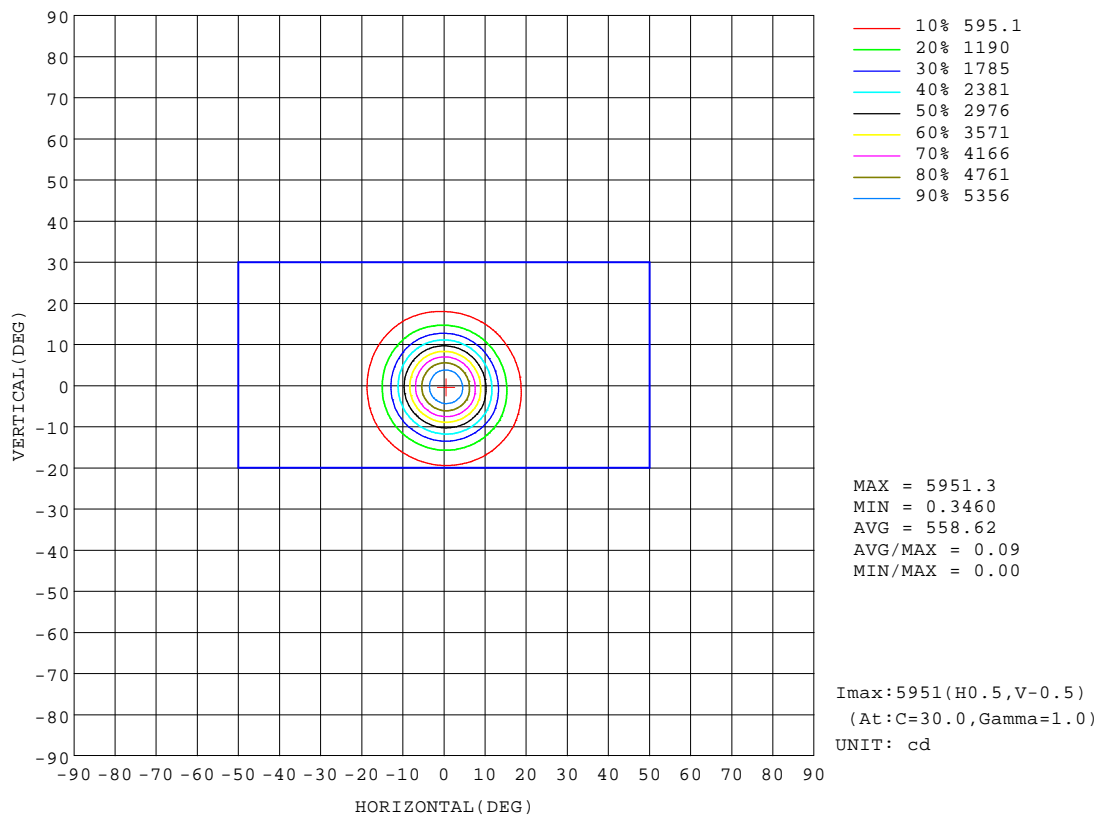
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	50	48	53	50	48	53	50	48	46
0.80	58	55	53	57	54	53	57	54	52	51
1.00	60	57	55	59	57	55	58	56	55	53
1.25	62	59	57	61	59	57	60	58	57	54
1.50	63	61	59	63	60	59	61	60	58	56
2.00	64	62	61	64	62	60	62	61	59	56
2.50	65	63	62	64	63	61	63	61	60	57
3.00	66	64	63	65	64	62	63	62	61	57
4.00	67	66	65	66	65	64	64	63	62	58
5.00	68	67	66	67	66	65	64	64	63	59
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:2023-10-23

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:BXRV-DR-1830G-1000-K-23 Ra:90
LENS:PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

ISOCANDELA DIAGRAM

Test:U:120.11V I:0.1481A P:17.688W PF:0.9935 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231257
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

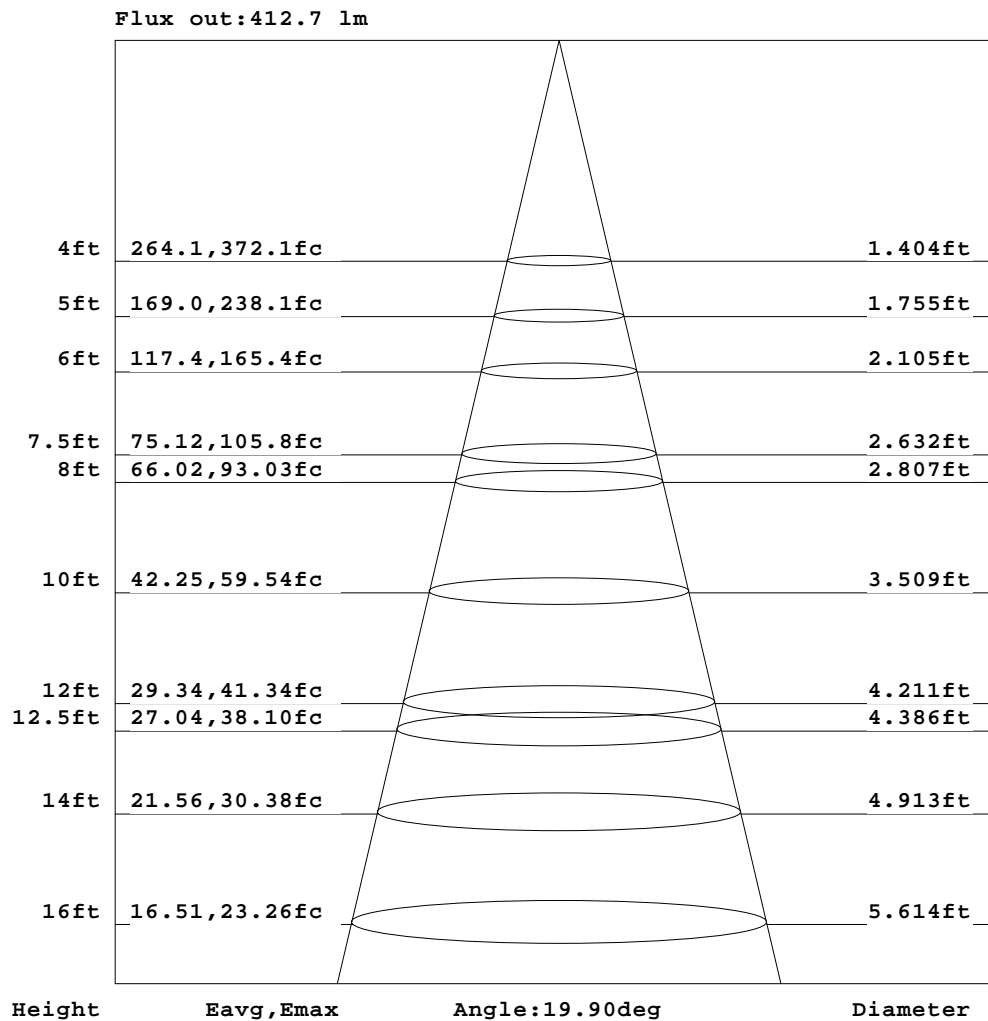


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-23

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
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Remarks: LAMP:BXR-V-DR-1830G-1000-K-23 Ra:90
LENS:PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

AAI Figure

Test:U:120.11V I:0.1481A P:17.688W PF:0.9935 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231257
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:



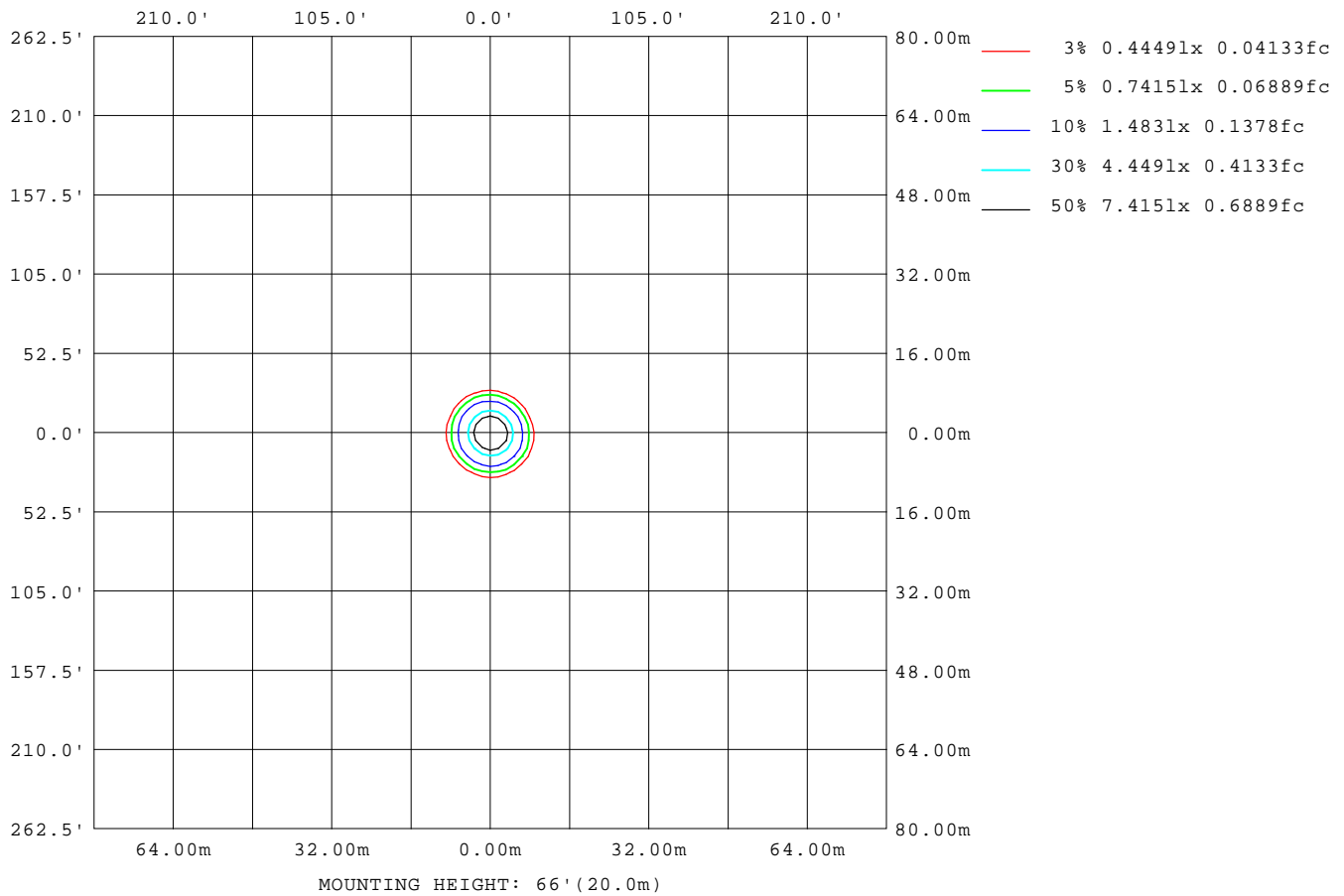
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-23

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:BXRV-DR-1830G-1000-K-23 Ra:90
LENS:PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:120.11V I:0.1481A P:17.688W PF:0.9935 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231257
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:2023-10-23

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:BXRV-DR-1830G-1000-K-23 Ra:90
LENS:PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LED Avg.L Report

Test:U:120.11V I:0.1481A P:17.688W PF:0.9935 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231257
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

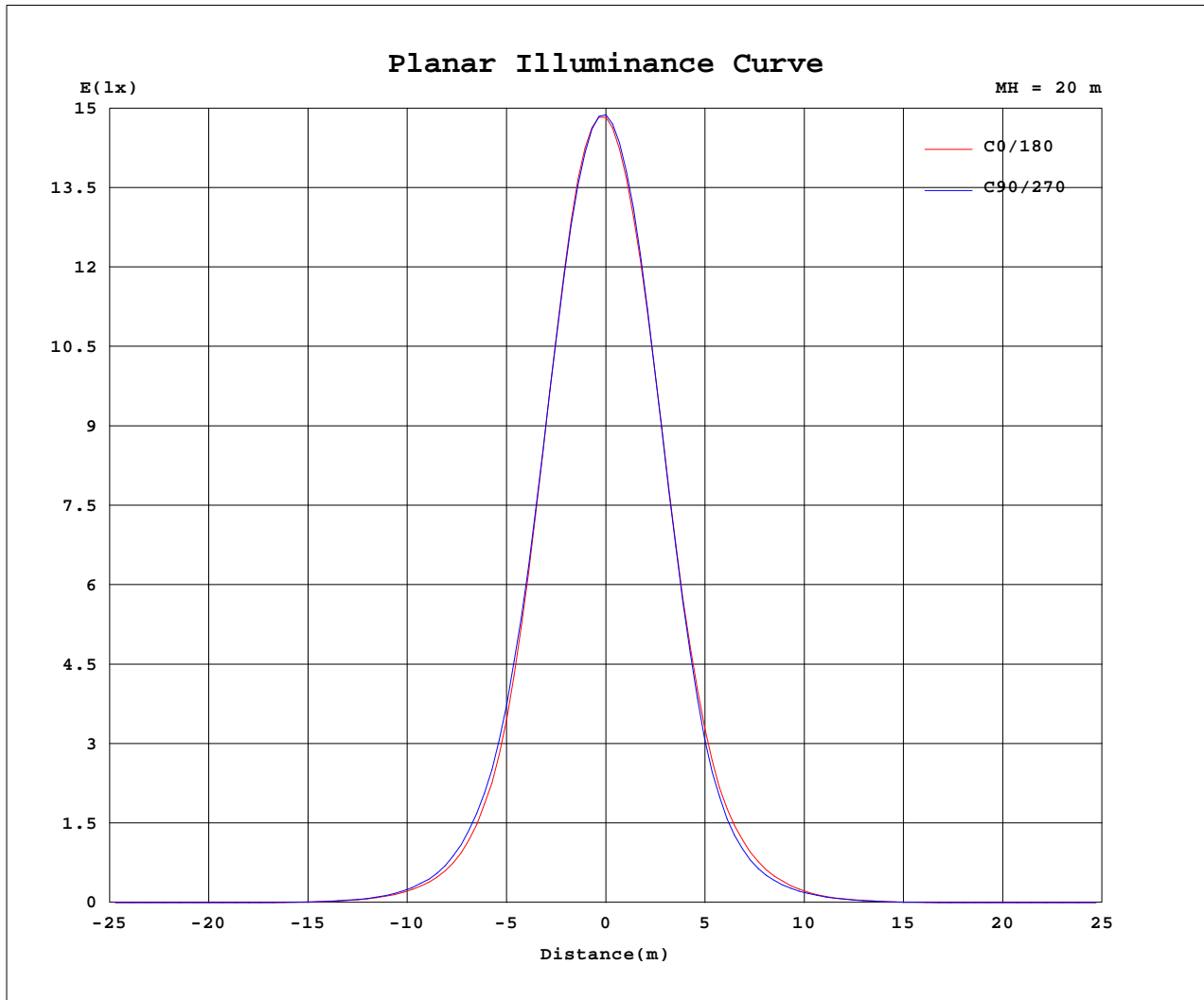
AvgL	cd/m2
L_0~180(65)av	461
L_0~180(75)av	331
L_0~180(85)av	403
L_90~270(65)av	711
L_90~270(75)av	377
L_90~270(85)av	242
L_45(65)av	532
L_45(75)av	313
L_45(85)av	116

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-10-23

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:BXRV-DR-1830G-1000-K-23 Ra:90
LENS:PM-1096 15R
DRIVER: PUP20A-1WMC 450mA
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: 2023-10-23

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: BXRV-DR-1830G-1000-K-23 Ra: 90
 LENS: PM-1096 15R
 DRIVER: PUP20A-1WMC 450mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.11V I:0.1481A P:17.688W PF:0.9935 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.138-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2310231257
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	5945	5945	5945	5945	5945	5945	5945	5945	5945	5945	5945	5945						
5	5217	5317	5261	5166	5048	4970	4918	4879	4920	4946	5006	5092						
10	3079	3262	3215	3099	2956	2888	2836	2801	2823	2810	2824	2896						
15	1245	1405	1403	1363	1284	1243	1192	1165	1158	1092	1090	1121						
20	457	540	553	531	494	481	464	452	432	389	382	398						
25	167	196	196	195	184	181	172	164	159	146	146	148						
30	57.5	65.3	65.8	63.8	60.8	59.3	55.6	54.0	53.7	50.8	50.1	51.0						
35	16.1	18.6	19.0	19.6	18.2	17.8	16.4	16.0	16.4	15.8	15.2	15.2						
40	3.62	4.18	5.06	5.05	4.48	4.08	3.84	4.02	4.57	4.13	3.39	3.24						
45	1.32	1.66	2.39	2.46	1.93	1.77	1.72	1.84	2.30	1.99	1.32	1.14						
50	0.54	0.63	1.30	1.43	1.00	0.91	0.96	1.05	1.41	1.13	0.57	0.50						
55	0.38	0.45	0.93	1.05	0.74	0.73	0.75	0.81	1.11	0.90	0.43	0.38						
60	0.28	0.35	0.68	0.79	0.60	0.61	0.63	0.65	0.85	0.67	0.33	0.27						
65	0.16	0.21	0.43	0.52	0.42	0.44	0.46	0.47	0.57	0.43	0.20	0.15						
70	0.06	0.10	0.24	0.32	0.27	0.29	0.31	0.31	0.35	0.25	0.10	0.05						
75	0.06	0.06	0.13	0.17	0.17	0.19	0.21	0.19	0.20	0.14	0.06	0.05						
80	0.06	0.05	0.06	0.09	0.08	0.11	0.13	0.11	0.09	0.07	0.04	0.04						
85	0.05	0.02	0.01	0.04	0.02	0.02	0.06	0.03	0.02	0.03	0.01	0.02						
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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