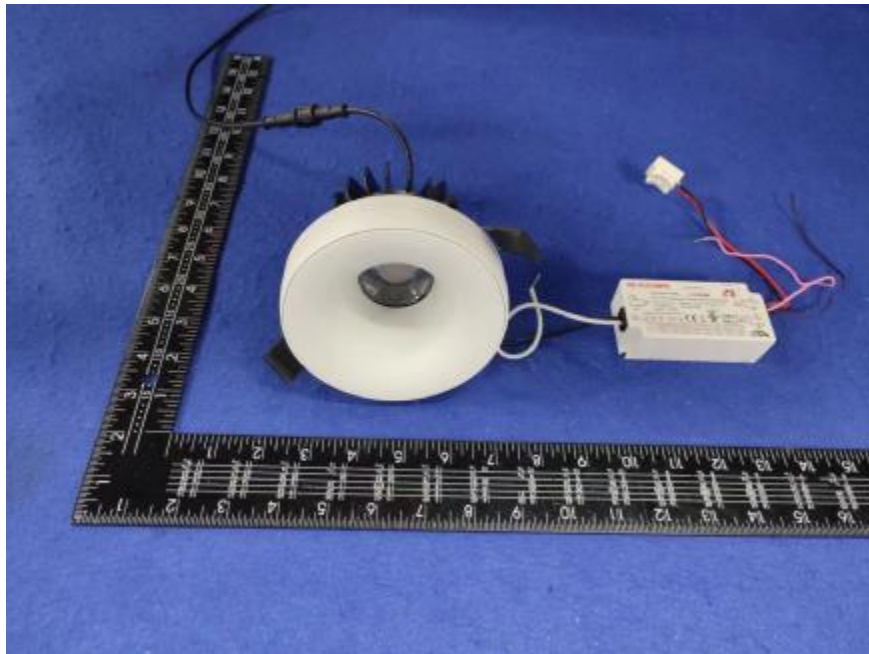


Luminaire Photograph



Light Output Ratio:	57.4%	
Luminaire Power:	17.69 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: 2023-11-1

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-1096C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

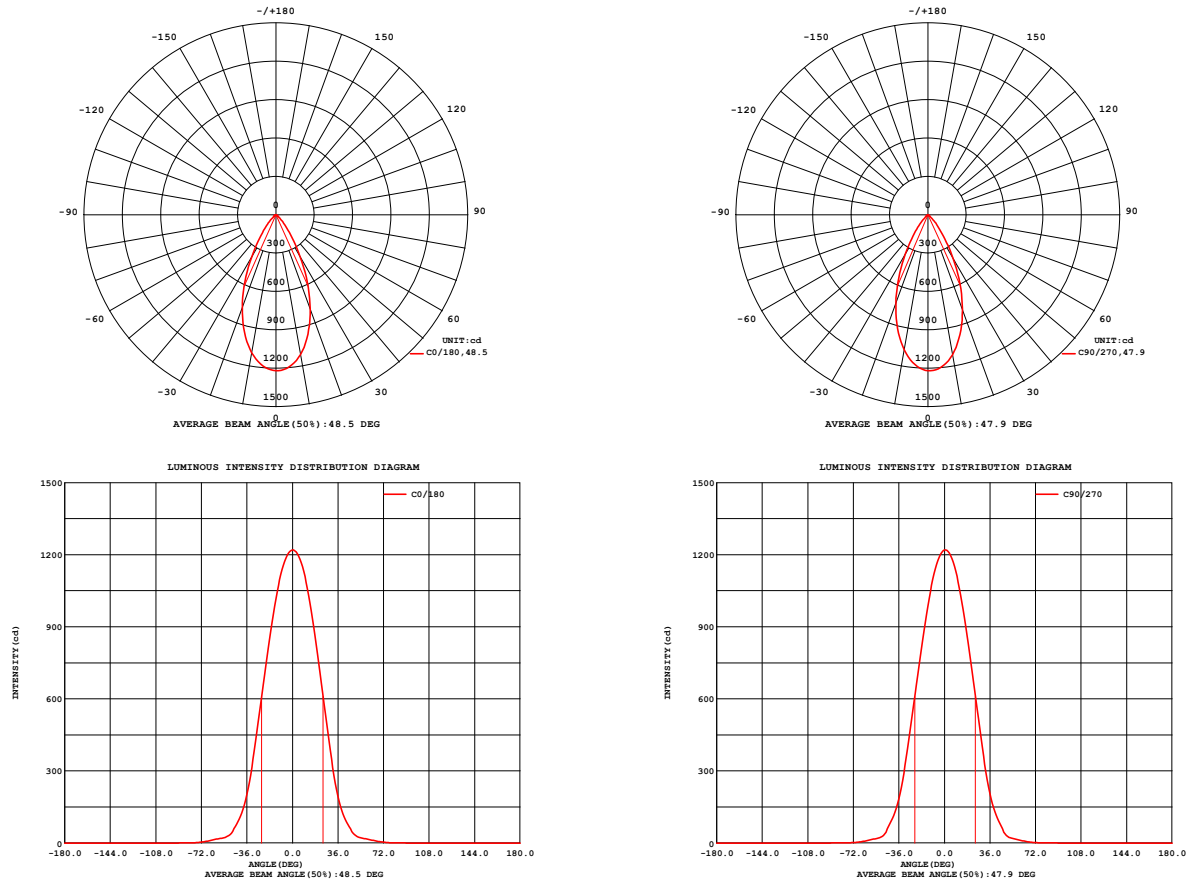


Fig. C0/C180

Fig. C90/C270

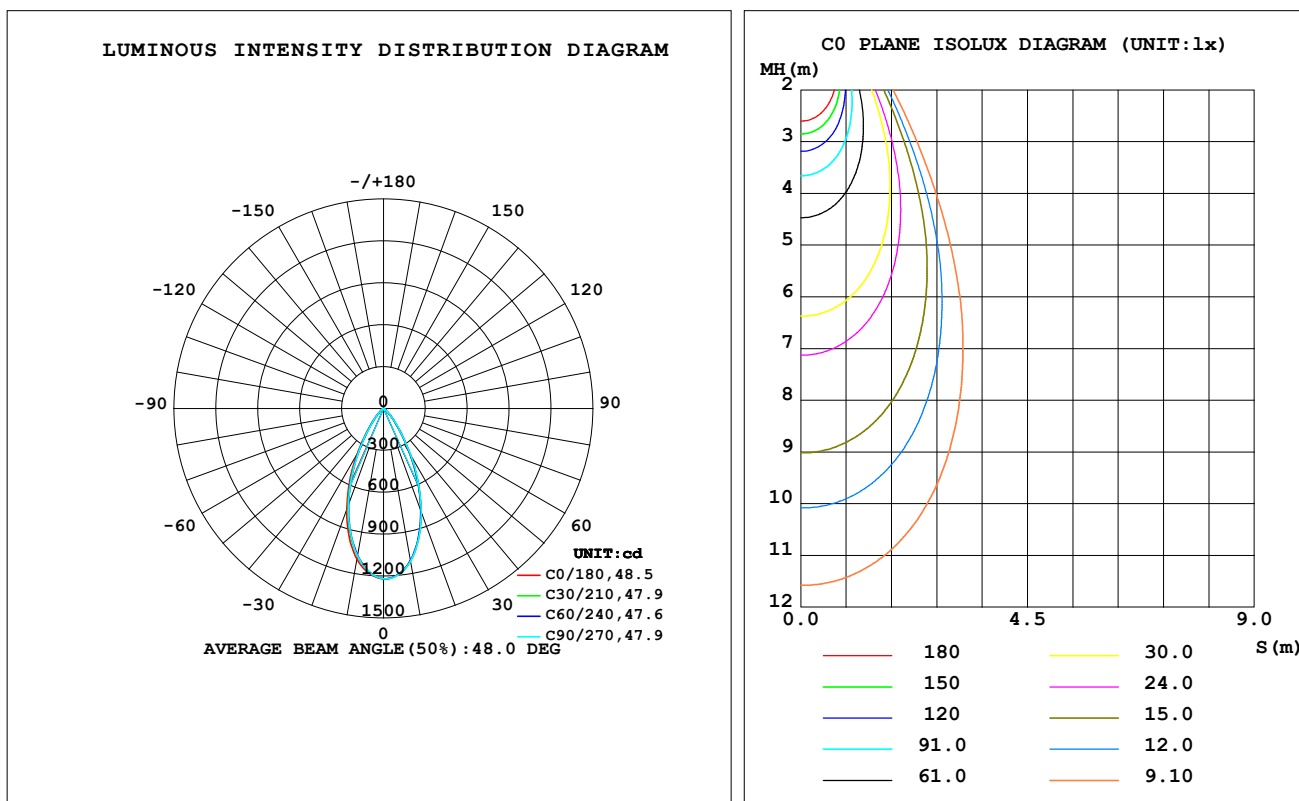
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-11-1

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-1096C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.22V I:0.1479A P:17.690W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011299
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.49 lm/W			
MODEL	Bridgelux	I _{max} (cd)	1220	S/MH (C0/180)	0.76
NOMINAL POWER (W)	17	LOR (%)	57.4	S/MH (C90/270)	0.73
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	857.81	UP, DN (C0-180)	0.0, 29.4
NOMINAL FLUX (lm)	1493.6	CIE CLASS	DIRECT	UP, DN (C180-360)	0.0, 28.0
LAMPS INSIDE	1	up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	down (%)	57.4	CIBSE SHR MAX	0.80



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-11-1

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-1096C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

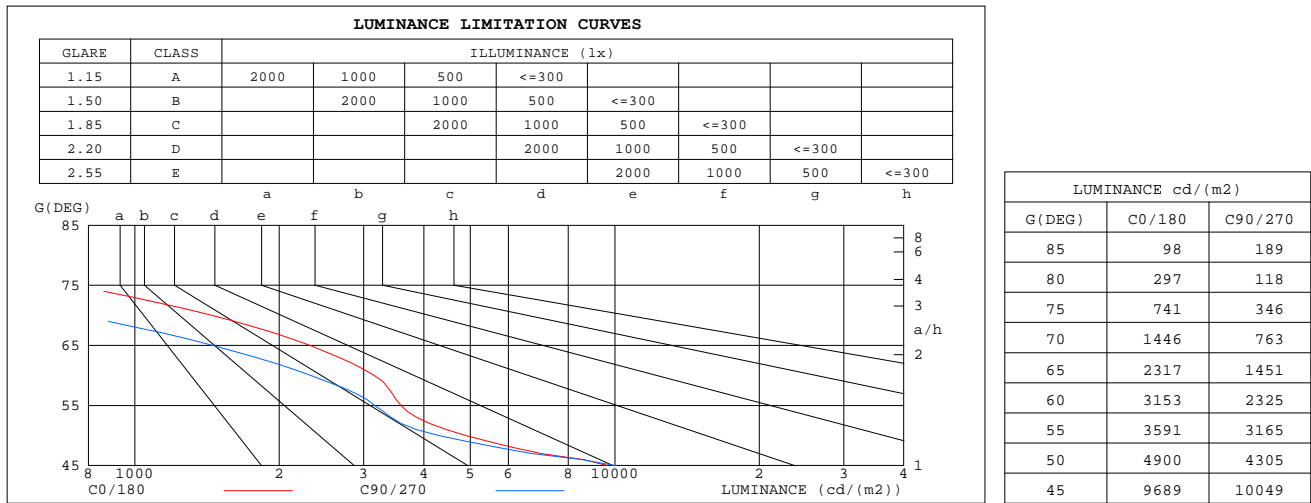
	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	1109	1108	1110	1112	1095	1073	1073	1095	0- 10	110.5	110.5	12.9,7.4
20	784.1	784.1	791.2	797.4	773.5	738.9	736.0	766.1	10- 20	263.3	373.8	43.6,25
30	384.4	390.4	399.4	402.8	384.2	360.1	355.9	373.2	20- 30	260.9	634.7	74,42.5
40	122.3	126.7	130.6	131.6	125.1	116.7	114.4	118.2	30- 40	143.0	777.6	90.7,52.1
50	31.01	30.41	27.24	31.54	31.56	27.96	24.16	28.44	40- 50	52.29	829.9	96.7,55.6
60	15.52	13.85	11.45	14.50	16.11	13.77	11.07	13.83	50- 60	17.73	847.7	98.8,56.8
70	4.869	3.914	2.570	4.203	5.175	3.938	2.576	3.966	60- 70	8.289	856.0	99.8,57.3
80	0.5081	0.3311	0.2014	0.3616	0.5498	0.3104	0.1982	0.3230	70- 80	1.753	857.7	100,57.4
90	0	0	0	0	0	0	0	0	80- 90	0.1069	857.8	100,57.4
100	0	0	0	0	0	0	0	0	90-100	0	857.8	100,57.4
110	0	0	0	0	0	0	0	0	100-110	0	857.8	100,57.4
120	0	0	0	0	0	0	0	0	110-120	0	857.8	100,57.4
130	0	0	0	0	0	0	0	0	120-130	0	857.8	100,57.4
140	0	0	0	0	0	0	0	0	130-140	0	857.8	100,57.4
150	0	0	0	0	0	0	0	0	140-150	0	857.8	100,57.4
160	0	0	0	0	0	0	0	0	150-160	0	857.8	100,57.4
170	0	0	0	0	0	0	0	0	160-170	0	857.8	100,57.4
180	0	0	0	0	0	0	0	0	170-180	0	857.8	100,57.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-11-1

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-1096C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:120.22V I:0.1479A P:17.690W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011299
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:



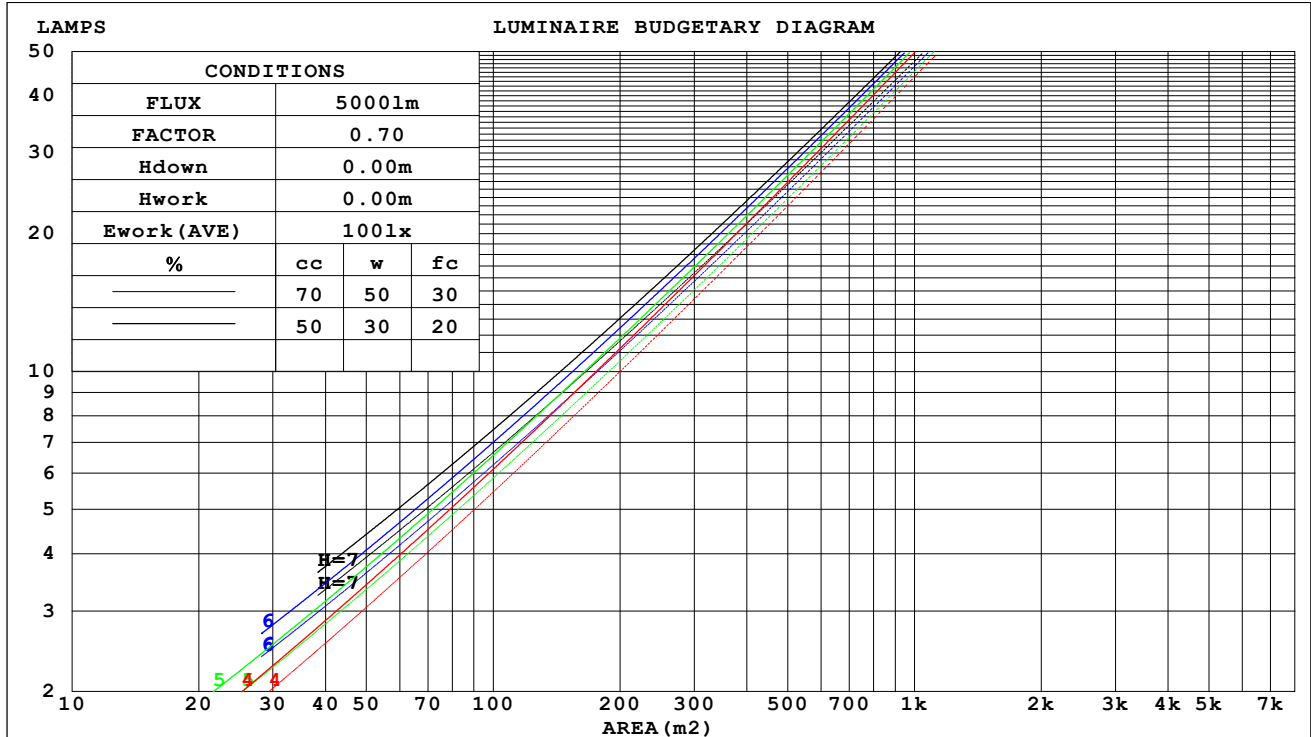
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-11-1

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-1096C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.22V I:0.1479A P:17.690W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011299
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:2023-11-1

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-1096C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

WEC AND CCEC

Test:U:120.22V I:0.1479A P:17.690W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011299
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	.101	.058	.018	.098	.056	.018	.090	.052	.017	.084	.048	.015	.078	.045	.014	
2.0	.097	.053	.016	.094	.052	.016	.088	.049	.015	.082	.046	.014	.077	.044	.014	
3.0	.092	.049	.015	.090	.048	.014	.084	.046	.014	.080	.044	.013	.075	.042	.013	
4.0	.088	.046	.013	.085	.045	.013	.081	.043	.013	.077	.041	.012	.073	.040	.012	
5.0	.084	.043	.012	.081	.042	.012	.078	.040	.012	.074	.039	.012	.071	.038	.011	
6.0	.080	.040	.011	.078	.039	.011	.074	.038	.011	.071	.037	.011	.068	.036	.011	
7.0	.076	.038	.011	.074	.037	.011	.071	.036	.010	.069	.035	.010	.066	.034	.010	
8.0	.073	.035	.010	.071	.035	.010	.068	.034	.010	.066	.033	.010	.064	.033	.010	
9.0	.069	.034	.009	.068	.033	.009	.066	.033	.009	.064	.032	.009	.061	.031	.009	
10.0	.067	.032	.009	.065	.032	.009	.063	.031	.009	.061	.030	.009	.059	.030	.009	

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	.109	.109	.109	.093	.093	.093	.064	.064	.064	.037	.037	.037	.012	.012	.012	
1.0	.098	.090	.083	.084	.078	.072	.058	.053	.050	.033	.031	.029	.011	.010	.009	
2.0	.090	.076	.065	.077	.066	.056	.053	.045	.039	.030	.026	.023	.010	.009	.007	
3.0	.082	.065	.052	.071	.056	.045	.048	.039	.031	.028	.023	.018	.009	.007	.006	
4.0	.076	.057	.042	.066	.049	.036	.045	.034	.026	.026	.020	.015	.008	.007	.005	
5.0	.071	.050	.034	.061	.043	.030	.042	.030	.021	.024	.018	.013	.008	.006	.004	
6.0	.067	.045	.029	.058	.039	.025	.040	.027	.018	.023	.016	.011	.007	.005	.003	
7.0	.063	.040	.024	.054	.035	.021	.038	.025	.015	.022	.014	.009	.007	.005	.003	
8.0	.060	.037	.021	.052	.032	.018	.036	.022	.013	.021	.013	.008	.007	.004	.003	
9.0	.057	.034	.018	.049	.029	.016	.034	.021	.011	.020	.012	.007	.006	.004	.002	
10.0	.054	.031	.016	.047	.027	.014	.033	.019	.010	.019	.011	.006	.006	.004	.002	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-11-1

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-1096C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.22V I:0.1479A P:17.690W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm										
NAME: 2318.223-LEA-15-DW					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2311011299		
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	14.1	15.1	14.4	15.2	15.4	14.1	15.0	14.3	15.2	15.4
3H	14.1	15.0	14.4	15.2	15.4	14.0	14.8	14.2	15.0	15.2
4H	14.0	14.9	14.3	15.1	15.3	13.9	14.7	14.2	14.9	15.1
6H	14.0	14.7	14.3	15.0	15.2	13.8	14.6	14.1	14.8	15.1
8H	13.9	14.6	14.2	14.9	15.2	13.8	14.5	14.1	14.7	15.0
12H	13.9	14.6	14.2	14.8	15.1	13.7	14.4	14.0	14.7	15.0
4H 2H	14.0	14.8	14.3	15.0	15.2	13.9	14.8	14.2	15.0	15.2
3H	14.0	14.7	14.3	15.0	15.2	13.8	14.5	14.2	14.8	15.1
4H	13.9	14.6	14.3	14.9	15.2	13.7	14.4	14.1	14.7	15.0
6H	13.8	14.4	14.2	14.7	15.1	13.7	14.2	14.0	14.5	14.9
8H	13.8	14.3	14.2	14.7	15.0	13.6	14.1	14.0	14.5	14.8
12H	13.7	14.2	14.1	14.6	15.0	13.6	14.0	14.0	14.4	14.8
8H 4H	13.8	14.3	14.2	14.7	15.0	13.6	14.1	14.0	14.5	14.9
6H	13.7	14.1	14.1	14.5	14.9	13.5	13.9	13.9	14.3	14.7
8H	13.6	14.0	14.1	14.4	14.9	13.5	13.8	13.9	14.3	14.7
12H	13.6	13.9	14.0	14.3	14.8	13.4	13.7	13.9	14.2	14.6
12H 4H	13.7	14.2	14.1	14.6	15.0	13.6	14.0	14.0	14.4	14.8
6H	13.6	14.0	14.1	14.4	14.9	13.5	13.8	13.9	14.3	14.7
8H	13.6	13.9	14.0	14.3	14.8	13.4	13.7	13.9	14.2	14.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.3 / - 4.8					+ 2.7 / - 6.1				
1.5H	+ 4.0 / - 4.0					+ 4.4 / - 4.9				
2.0H	+ 4.3 / - 2.4					+ 5.2 / - 3.8				

CIE Pub.117, 1494 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)
Area: 0.00984704 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-11-1

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-1096C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

UTILIZATION FACTORS TABLE

Test:U:120.22V I:0.1479A P:17.690W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011299
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

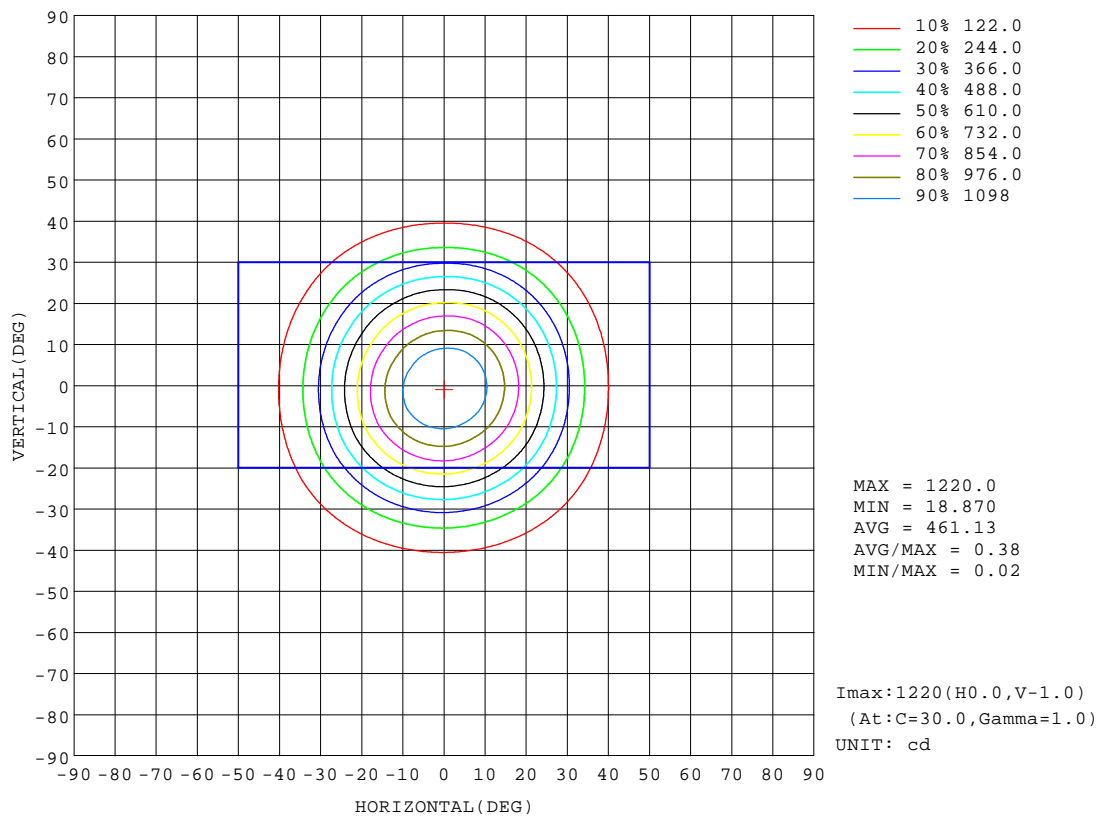
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	45	43	49	45	43	48	45	43	41
0.80	54	50	48	53	50	48	53	50	48	45
1.00	56	53	51	56	53	51	55	53	50	48
1.25	59	56	54	58	55	53	57	55	53	50
1.50	60	58	56	60	57	55	58	56	55	52
2.00	62	60	58	61	59	57	60	58	56	53
2.50	63	61	59	62	60	59	60	59	57	54
3.00	64	62	60	63	61	60	61	60	58	55
4.00	65	64	62	64	63	61	62	61	60	56
5.00	66	65	63	65	64	63	62	62	61	56
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 °C
 Operators: zoe
 Test Date: 2023-11-1

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-1096C 50R
 DRIVER: PUP20A-1WMC 450mA
 30minutes warm-up

ISOCANDELA DIAGRAM

Test:U:120.22V I:0.1479A P:17.690W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011299
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

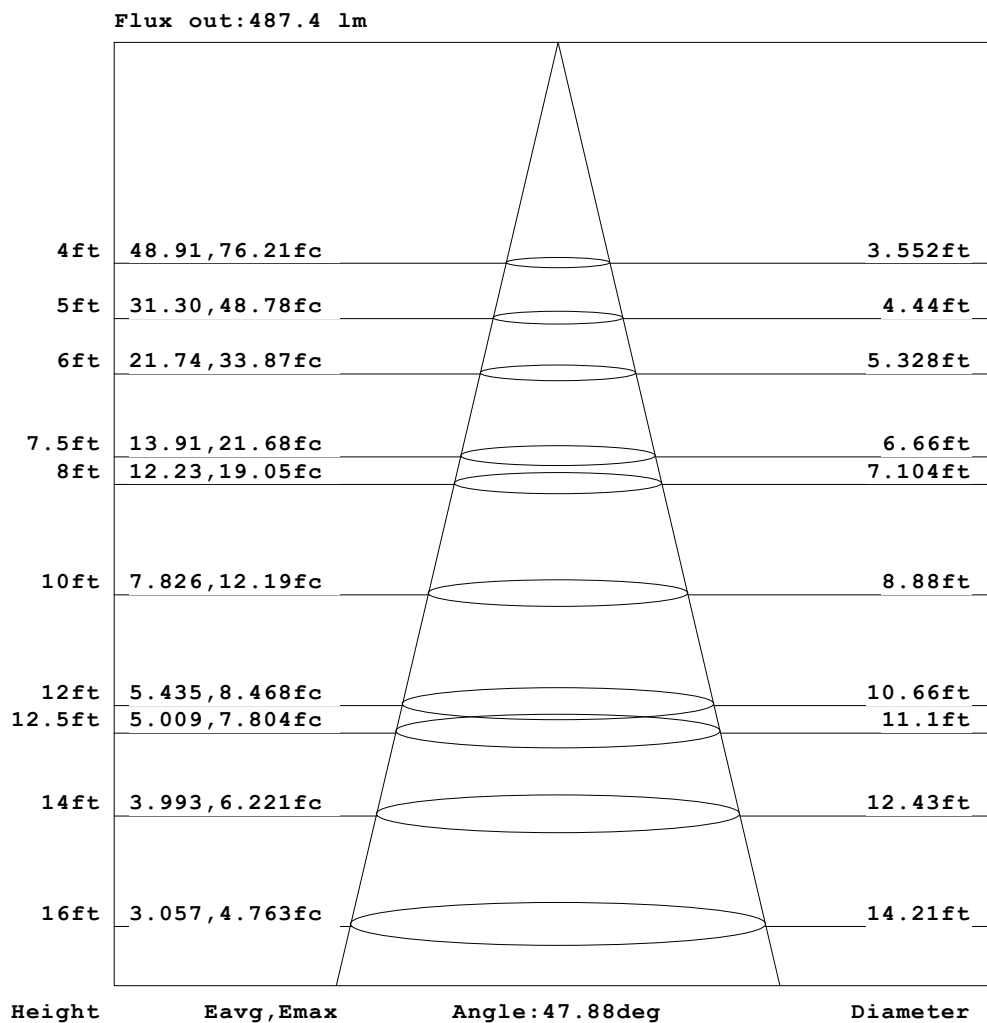


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-11-1

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-1096C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

AAI Figure

Test:U:120.22V I:0.1479A P:17.690W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011299
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:



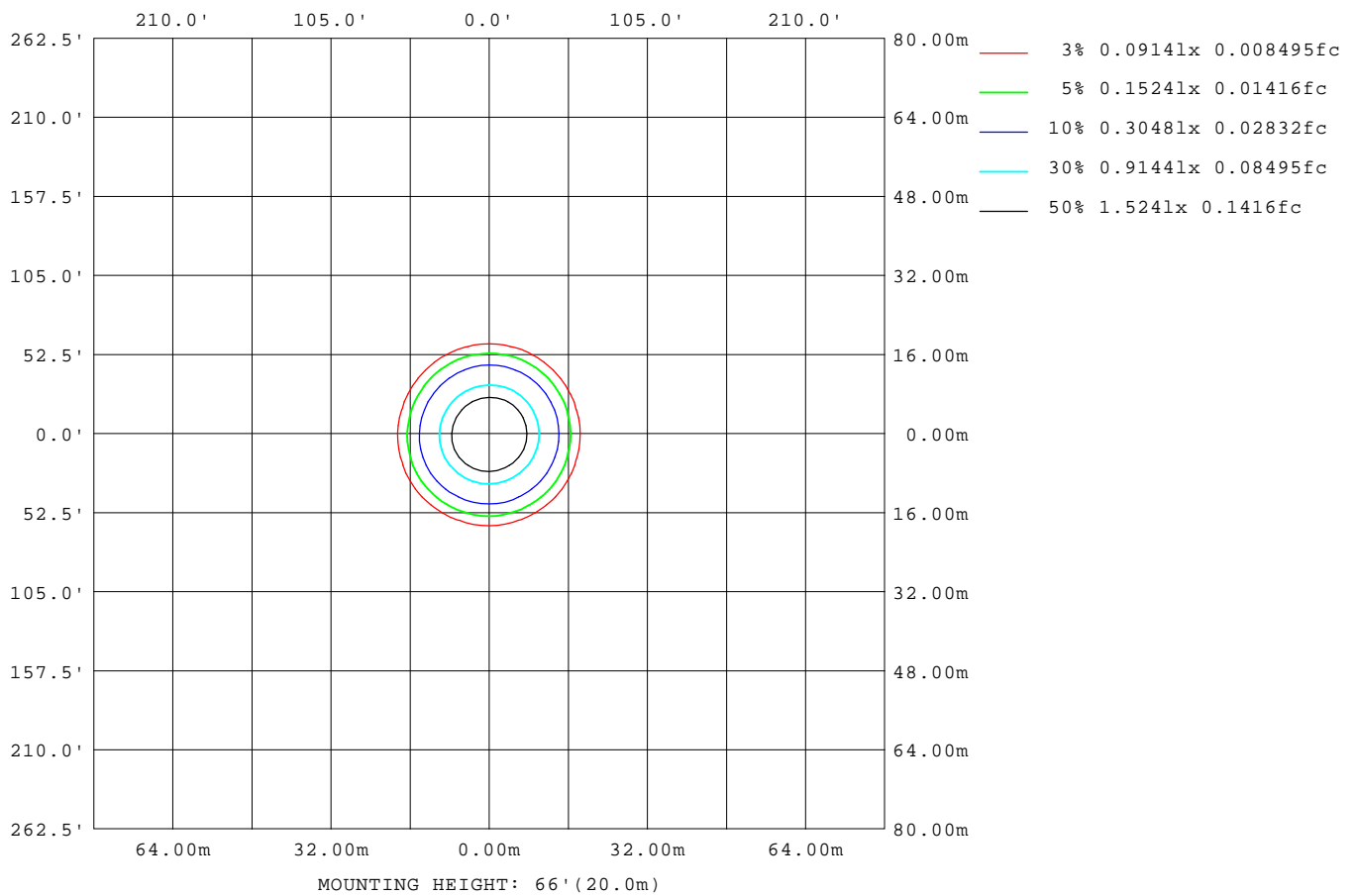
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: zoe
Test Date: 2023-11-1

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-1096C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:120.22V I:0.1479A P:17.690W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011299
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:2023-11-1

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-1096C 50R
DRIVER: PUP20A-1WMC 450mA
30minutes warm-up

LED Avg.L Report

Test:U:120.22V I:0.1479A P:17.690W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011299
MFR.: RISE	SUR.: 0.00984704m2	Shielding Angle:

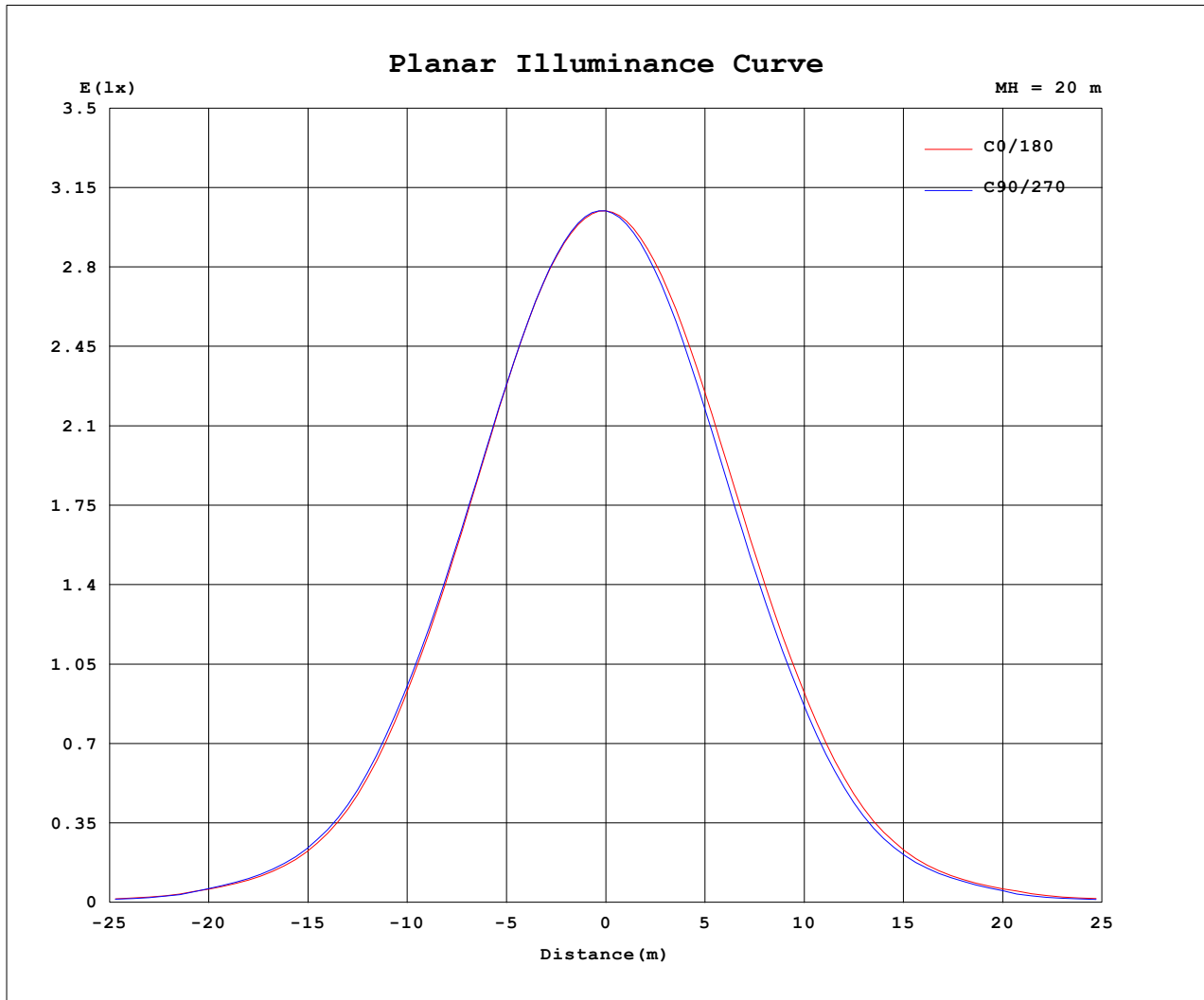
AvgL	cd/m2
L_0~180 (65) av	2375
L_0~180 (75) av	770
L_0~180 (85) av	95
L_90~270 (65) av	1438
L_90~270 (75) av	339
L_90~270 (85) av	127
L_45 (65) av	2003
L_45 (75) av	563
L_45 (85) av	45

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-11-1

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-1096C 50R
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: 2023-11-1

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-1096C 50R
 DRIVER: PUP20A-1WMC 450mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.22V I:0.1479A P:17.690W PF:0.9938 Freq:59.98Hz Lamp Flux:1493.6x1 lm		
NAME: 2318.223-LEA-15-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2311011299
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	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219	1219						
5	1194	1196	1195	1196	1195	1193	1185	1176	1175	1176	1183	1188						
10	1109	1110	1106	1110	1113	1111	1095	1076	1070	1073	1089	1101						
15	968	968	963	970	976	976	954	926	916	920	942	959						
20	784	786	782	791	797	798	773	744	734	736	758	774						
25	582	587	586	594	600	600	578	552	543	544	561	573						
30	384	390	391	399	403	403	384	363	357	356	369	377						
35	223	228	228	235	237	238	225	211	208	206	215	218						
40	122	126	127	131	131	132	125	118	116	114	117	119						
45	67.5	70.1	69.8	70.0	71.6	72.8	69.2	65.4	62.2	59.2	62.9	65.1						
50	31.0	32.2	28.7	27.2	29.7	33.4	31.6	29.9	26.0	24.2	26.9	30.0						
55	20.3	20.3	18.6	17.9	19.0	20.8	20.6	19.9	18.2	17.2	18.2	19.9						
60	15.5	15.2	12.5	11.4	13.0	16.0	16.1	15.2	12.4	11.1	12.5	15.1						
65	9.64	9.41	6.86	6.04	7.22	10.0	10.1	9.52	6.86	5.93	7.00	9.43						
70	4.87	4.76	3.06	2.57	3.26	5.15	5.17	4.80	3.07	2.58	3.15	4.79						
75	1.89	1.76	1.03	0.88	1.07	1.97	2.04	1.76	1.03	0.85	1.04	1.80						
80	0.51	0.41	0.26	0.20	0.25	0.47	0.55	0.39	0.23	0.20	0.23	0.42						
85	0.08	0.05	0.08	0.16	0.02	0.05	0.08	0.04	0.04	0.06	0.04	0.04						
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
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