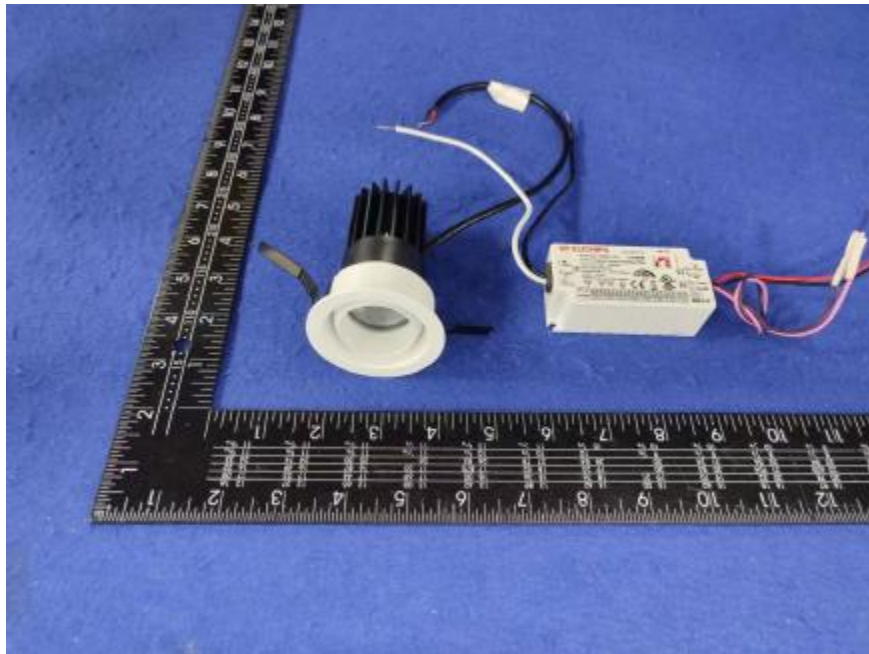


### Luminaire Photograph



Light Output Ratio:	62.1%	
Luminaire Power:	11.31 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.50	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-12-27

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: BXR-V-DR-1830G-100Z-A-23 Ra: 90  
LENS: PM-1103A 24R+DIFFUSER  
DRIVER: PUP10A-1WMC-700 500mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

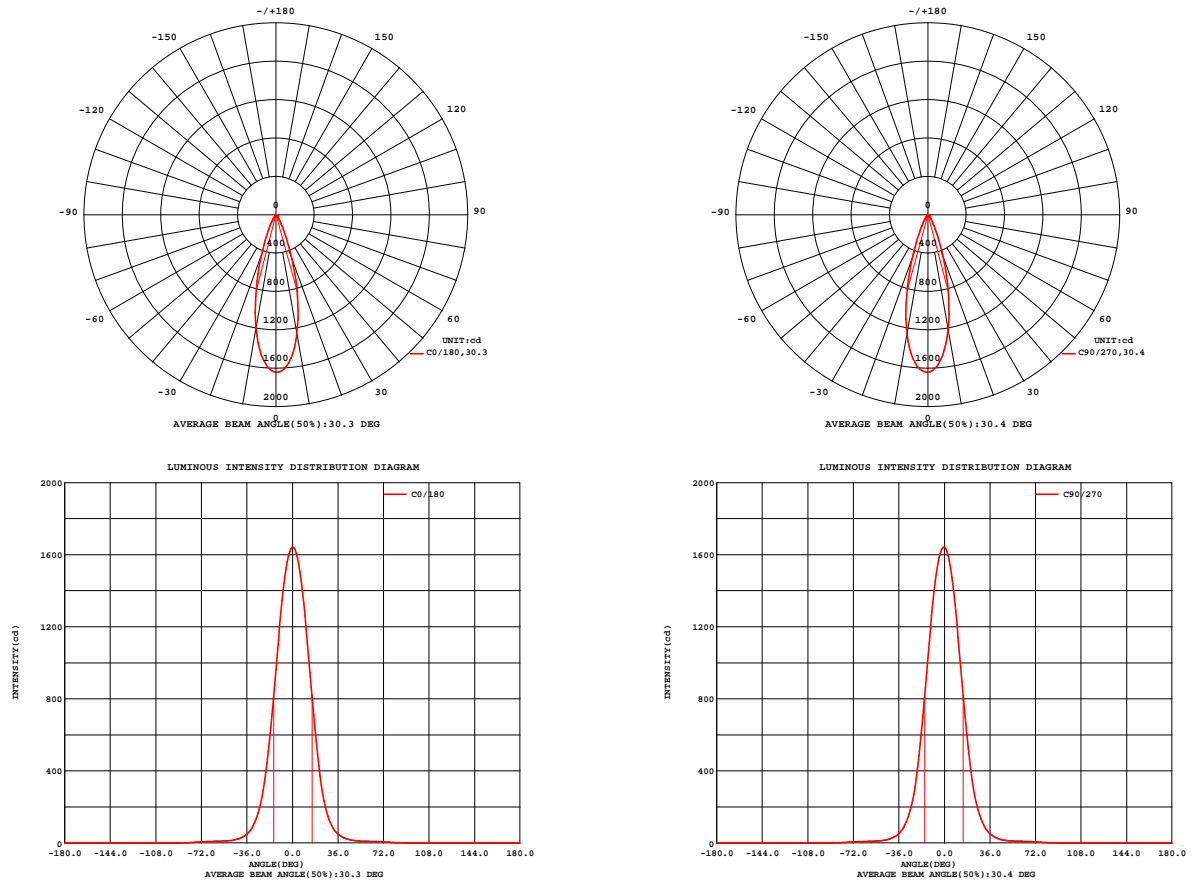


Fig. C0/C180

Fig. C90/C270

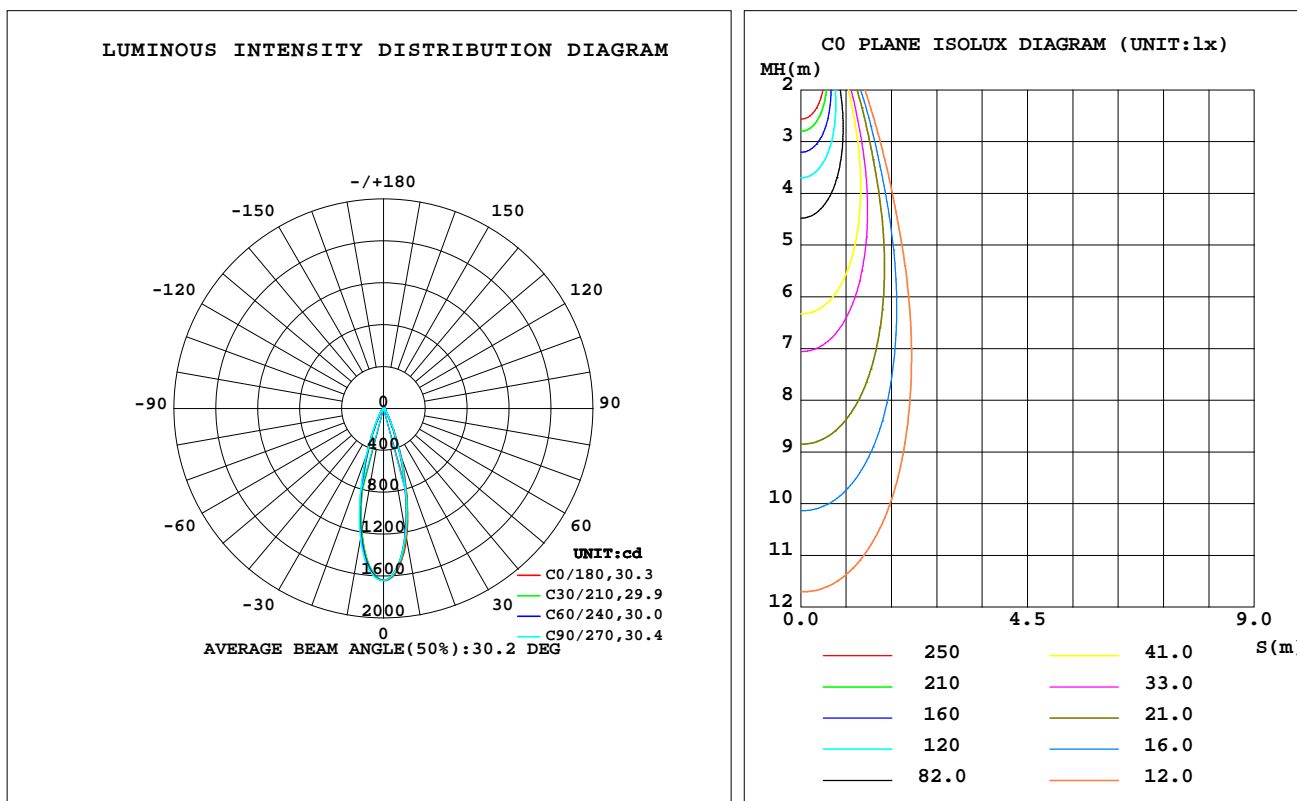
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-12-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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-100Z-A-23 Ra: 90  
LENS: PM-1103A 24R+DIFFUSER  
DRIVER: PUP10A-1WMC-700 500mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: 2218.511-LEA-09B-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.84 lm/W			
MODEL	Bridgelux	I <sub>max</sub> (cd)	1642	S/MH(C0/180)	0.49
NOMINAL POWER(W)	11	LOR(%)	62.1	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	552.61	η UP,DN(C0-180)	0.0,31.0
NOMINAL FLUX(lm)	889.25	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,31.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	62.1	CIBSE SHR MAX	0.50



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-27

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:BXRV-DR-1830G-100Z-A-23 Ra:90  
LENS:PM-1103A 24R+DIFFUSER  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1260	1221	1214	1219	1203	1215	1263	1285	0- 10	136.8	136.8	24.8,15.4
20	492.6	467.3	462.6	468.0	447.0	449.6	484.9	506.8	10- 20	227.0	363.8	65.8,40.9
30	111.9	106.4	115.8	124.4	108.7	105.4	116.7	124.0	20- 30	111.8	475.6	86.1,53.5
40	31.75	30.69	32.24	33.50	30.58	29.90	32.00	33.31	30- 40	38.84	514.4	93.1,57.9
50	12.44	12.38	12.63	12.86	12.55	12.33	12.50	12.55	40- 50	15.03	529.5	95.8,59.5
60	9.011	9.143	9.503	9.672	9.395	9.121	9.074	9.066	50- 60	9.511	539.0	97.5,60.6
70	6.469	6.590	6.856	6.953	6.717	6.478	6.465	6.488	60- 70	8.010	547.0	99,61.5
80	2.490	2.414	2.389	2.393	2.326	2.325	2.432	2.499	70- 80	4.835	551.8	99.9,62.1
90	0	0	0	0	0	0	0	0	80- 90	0.7876	552.6	100,62.1
100	0	0	0	0	0	0	0	0	90-100	0	552.6	100,62.1
110	0	0	0	0	0	0	0	0	100-110	0	552.6	100,62.1
120	0	0	0	0	0	0	0	0	110-120	0	552.6	100,62.1
130	0	0	0	0	0	0	0	0	120-130	0	552.6	100,62.1
140	0	0	0	0	0	0	0	0	130-140	0	552.6	100,62.1
150	0	0	0	0	0	0	0	0	140-150	0	552.6	100,62.1
160	0	0	0	0	0	0	0	0	150-160	0	552.6	100,62.1
170	0	0	0	0	0	0	0	0	160-170	0	552.6	100,62.1
180	0	0	0	0	0	0	0	0	170-180	0	552.6	100,62.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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-100Z-A-23 Ra:90  
LENS:PM-1103A 24R+DIFFUSER  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz  
Lamp Flux:889.25x1 lm

NAME: 2218.511-LEA-09B-DW

TYPE:

WEIGHT:

SPEC.: 3000K

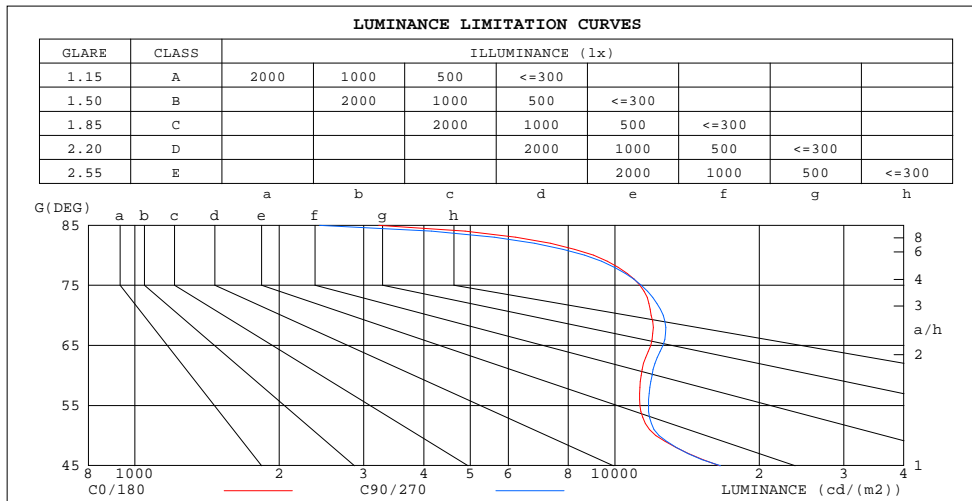
DIM.:

SERIAL No.: 2312271378

MFR.: RISE

SUR.: 0.001589625m<sup>2</sup>

Shielding Angle:



LUMINANCE cd/(m <sup>2</sup> )		
G(180)	G(270)	G(180)/G(270)
85	3223	2427
80	9029	8651
75	11275	11354
70	11908	12608
65	11876	12589
60	11346	11954
55	11275	11749
50	12188	12361
45	16519	16616

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-27

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:BXRV-DR-1830G-100Z-A-23 Ra:90  
LENS:PM-1103A 24R+DIFFUSER  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz  
Lamp Flux:889.25x1 lm

NAME: 2218.511-LEA-09B-DW

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

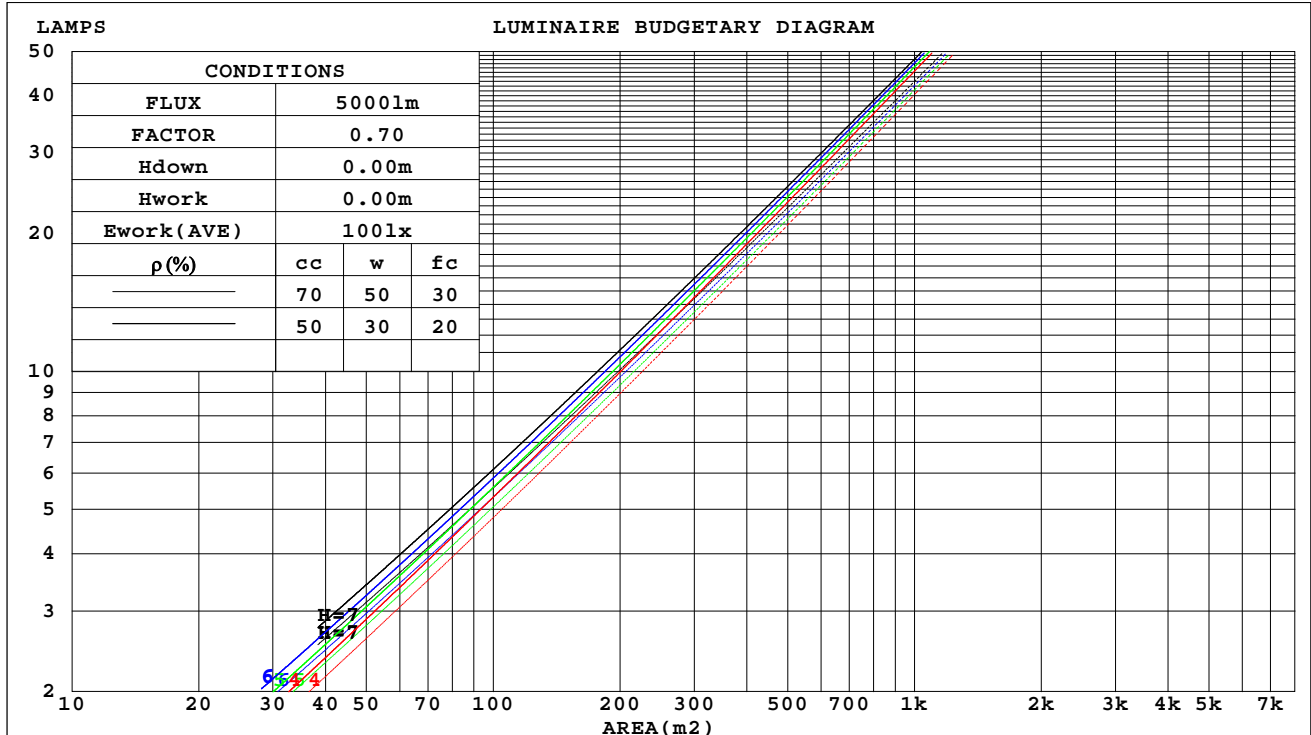
SERIAL No.: 2312271378

MFR.: RISE

SUR.: 0.001589625m2

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	.74	.74	.74	.72	.72	.72	.69	.69	.69	.66	.66	.66	.63	.63	.63	.62
1.0	.69	.68	.67	.68	.67	.66	.66	.65	.64	.63	.62	.62	.61	.61	.60	.59
2.0	.65	.63	.61	.64	.62	.61	.62	.61	.59	.60	.59	.58	.59	.58	.57	.56
3.0	.62	.59	.57	.61	.58	.56	.59	.57	.56	.58	.56	.55	.57	.55	.54	.53
4.0	.59	.56	.54	.58	.55	.53	.57	.54	.53	.56	.54	.52	.54	.53	.51	.51
5.0	.56	.53	.51	.55	.53	.50	.54	.52	.50	.53	.51	.50	.52	.51	.49	.48
6.0	.53	.50	.48	.53	.50	.48	.52	.50	.48	.51	.49	.47	.51	.49	.47	.46
7.0	.51	.48	.46	.51	.48	.46	.50	.48	.46	.49	.47	.45	.49	.47	.45	.44
8.0	.49	.46	.44	.49	.46	.44	.48	.46	.44	.48	.45	.44	.47	.45	.44	.43
9.0	.47	.44	.42	.47	.44	.42	.47	.44	.42	.46	.44	.42	.46	.44	.42	.41
10.0	.46	.43	.41	.45	.43	.41	.45	.42	.41	.45	.42	.41	.44	.42	.40	.40



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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-100Z-A-23 Ra:90  
LENS:PM-1103A 24R+DIFFUSER  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## WEC AND CCEC

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: 2218.511-LEA-09B-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
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	.100	.057	.018	.096	.055	.017	.089	.051	.016	.081	.047	.015	.075	.043	.014	
2.0	.094	.052	.016	.091	.050	.015	.084	.047	.015	.078	.044	.014	.073	.041	.013	
3.0	.088	.047	.014	.085	.046	.014	.080	.043	.013	.075	.041	.013	.070	.039	.012	
4.0	.083	.043	.013	.080	.042	.012	.075	.040	.012	.071	.038	.012	.067	.036	.011	
5.0	.078	.040	.011	.076	.039	.011	.072	.037	.011	.068	.036	.011	.064	.034	.010	
6.0	.073	.037	.011	.072	.036	.010	.068	.035	.010	.065	.034	.010	.062	.033	.010	
7.0	.070	.034	.010	.068	.034	.010	.065	.033	.009	.062	.032	.009	.060	.031	.009	
8.0	.066	.032	.009	.065	.032	.009	.062	.031	.009	.060	.030	.009	.057	.029	.009	
9.0	.063	.031	.009	.062	.030	.008	.060	.029	.008	.057	.029	.008	.055	.028	.008	
10.0	.061	.029	.008	.059	.029	.008	.057	.028	.008	.055	.027	.008	.053	.027	.008	

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	.118	.118	.118	.101	.101	.101	.069	.069	.069	.040	.040	.040	.013	.013	.013	
1.0	.106	.098	.091	.090	.084	.078	.062	.058	.054	.036	.033	.031	.011	.011	.010	
2.0	.095	.082	.071	.082	.071	.062	.056	.049	.043	.032	.029	.025	.010	.009	.008	
3.0	.087	.070	.057	.074	.061	.050	.051	.042	.035	.030	.025	.021	.009	.008	.007	
4.0	.080	.061	.047	.068	.053	.041	.047	.037	.029	.027	.022	.017	.009	.007	.006	
5.0	.074	.054	.039	.063	.046	.034	.044	.032	.024	.025	.019	.014	.008	.006	.005	
6.0	.068	.048	.033	.059	.041	.029	.041	.029	.020	.024	.017	.012	.008	.006	.004	
7.0	.064	.043	.028	.055	.037	.024	.038	.026	.017	.022	.015	.010	.007	.005	.003	
8.0	.060	.039	.024	.052	.034	.021	.036	.024	.015	.021	.014	.009	.007	.005	.003	
9.0	.056	.035	.021	.049	.031	.018	.034	.022	.013	.020	.013	.008	.006	.004	.003	
10.0	.053	.032	.018	.046	.028	.016	.032	.020	.011	.019	.012	.007	.006	.004	.002	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-27

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:BXRV-DR-1830G-100Z-A-23 Ra:90  
LENS:PM-1103A 24R+DIFFUSER  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm											
NAME: 2218.511-LEA-09B-DW					TYPE:			WEIGHT:			
SPEC.: 3000K					DIM.:			SERIAL No.: 2312271378			
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	16.3	17.0	17.1	16.2	16.9	16.4	17.1	17.3	
	3H	17.3	18.0	17.5	18.2	18.4	17.4	18.2	17.7	18.4	
	4H	17.8	18.5	18.1	18.7	19.0	18.0	18.7	18.3	18.9	
	6H	18.2	18.8	18.5	19.1	19.3	18.3	19.0	18.6	19.2	
	8H	18.3	18.9	18.6	19.1	19.4	18.4	19.0	18.7	19.2	
	12H	18.2	18.9	18.6	19.1	19.4	18.3	18.9	18.7	19.2	
4H	2H	16.5	17.2	16.7	17.4	17.6	16.6	17.3	16.8	17.5	
	3H	17.9	18.6	18.3	18.8	19.1	18.1	18.7	18.4	19.0	
	4H	18.6	19.2	19.0	19.5	19.8	18.8	19.3	19.1	19.6	
	6H	19.1	19.6	19.5	19.9	20.3	19.2	19.7	19.5	20.0	
	8H	19.2	19.6	19.6	20.0	20.4	19.2	19.7	19.6	20.1	
	12H	19.2	19.6	19.6	20.0	20.4	19.2	19.6	19.6	20.0	
8H	4H	18.9	19.3	19.2	19.7	20.0	19.0	19.4	19.4	19.8	
	6H	19.4	19.8	19.8	20.2	20.6	19.5	19.9	19.9	20.2	
	8H	19.5	19.9	20.0	20.3	20.7	19.6	19.9	20.0	20.3	
	12H	19.5	19.8	20.0	20.3	20.7	19.6	19.8	20.0	20.3	
12H	4H	18.8	19.3	19.3	19.6	20.0	19.0	19.4	19.4	19.8	
	6H	19.4	19.8	19.9	20.2	20.6	19.5	19.8	19.9	20.2	
	8H	19.6	19.8	20.0	20.3	20.8	19.6	19.9	20.1	20.3	
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.5					
1.5H	+ 1.2 / - 0.6					+ 1.2 / - 0.6					
2.0H	+ 0.5 / - 0.3					+ 0.4 / - 0.3					

CIE Pub.117, 889.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)  
Area: 0.00158963 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-27

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:BXRV-DR-1830G-100Z-A-23 Ra:90  
LENS:PM-1103A 24R+DIFFUSER  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: 2218.511-LEA-09B-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

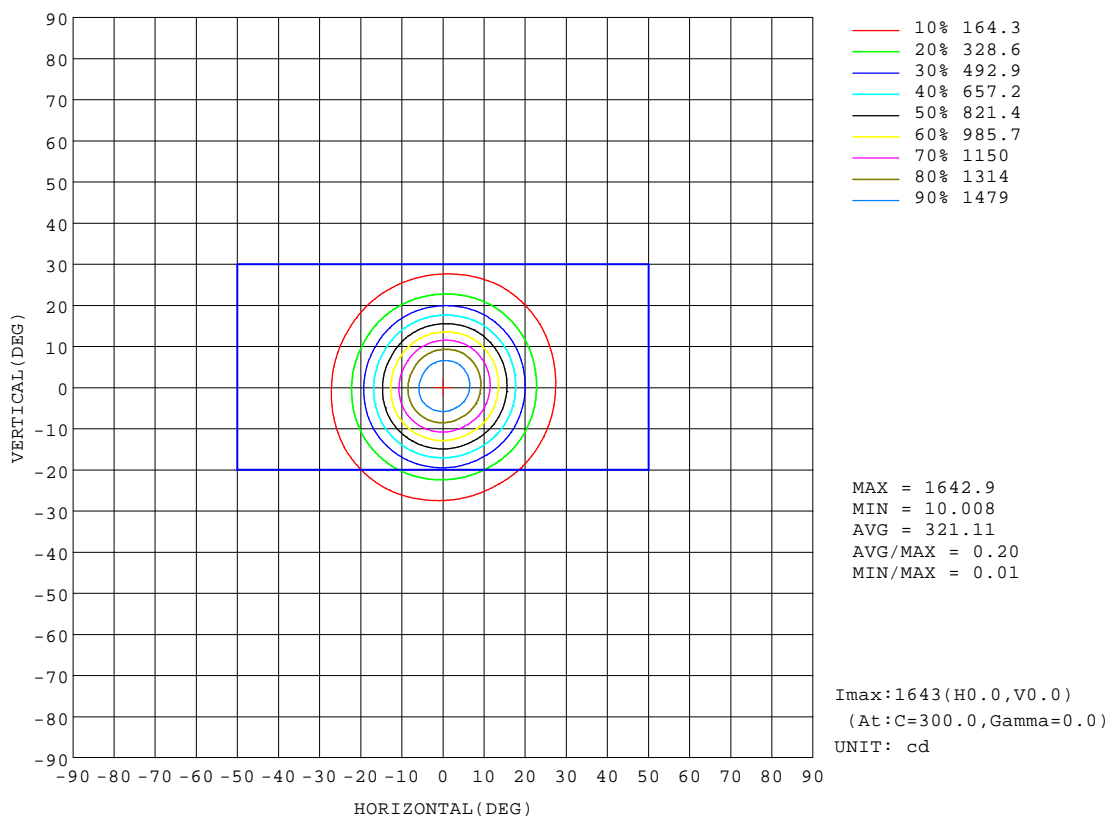
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	50	48	54	50	48	53	50	48	46
0.80	59	55	53	58	55	53	58	55	52	50
1.00	61	58	56	61	58	55	60	58	55	53
1.25	64	61	58	63	60	58	62	60	58	55
1.50	66	63	60	65	62	60	63	61	59	57
2.00	67	65	63	66	64	62	65	63	61	58
2.50	68	66	64	67	65	63	65	64	62	59
3.00	69	67	65	68	66	65	66	65	63	59
4.00	71	69	67	69	68	67	67	66	65	60
5.00	71	70	69	70	69	68	68	67	66	61
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:2023-12-27

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:BXRV-DR-1830G-100Z-A-23 Ra:90  
LENS:PM-1103A 24R+DIFFUSER  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: 2218.511-LEA-09B-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

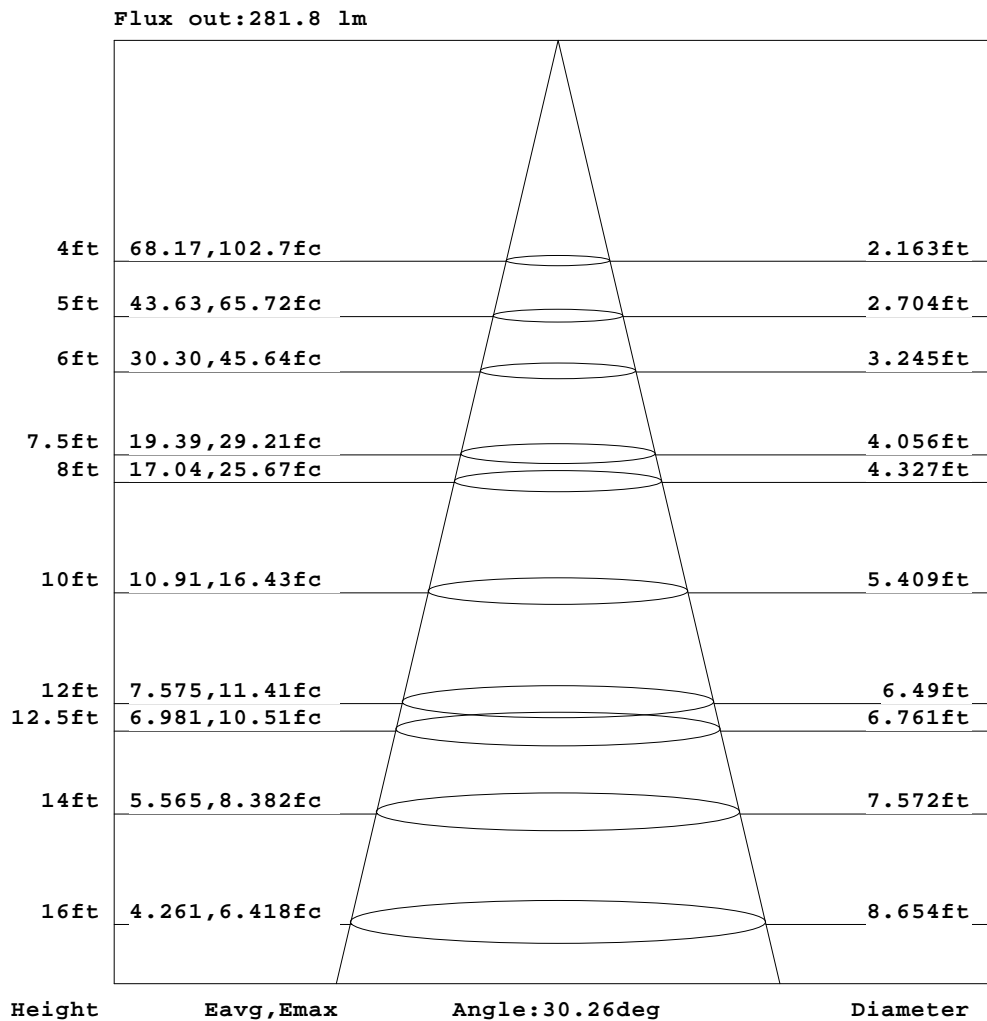


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-27

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:BXRV-DR-1830G-100Z-A-23 Ra:90  
LENS:PM-1103A 24R+DIFFUSER  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## AAI Figure

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: 2218.511-LEA-09B-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:



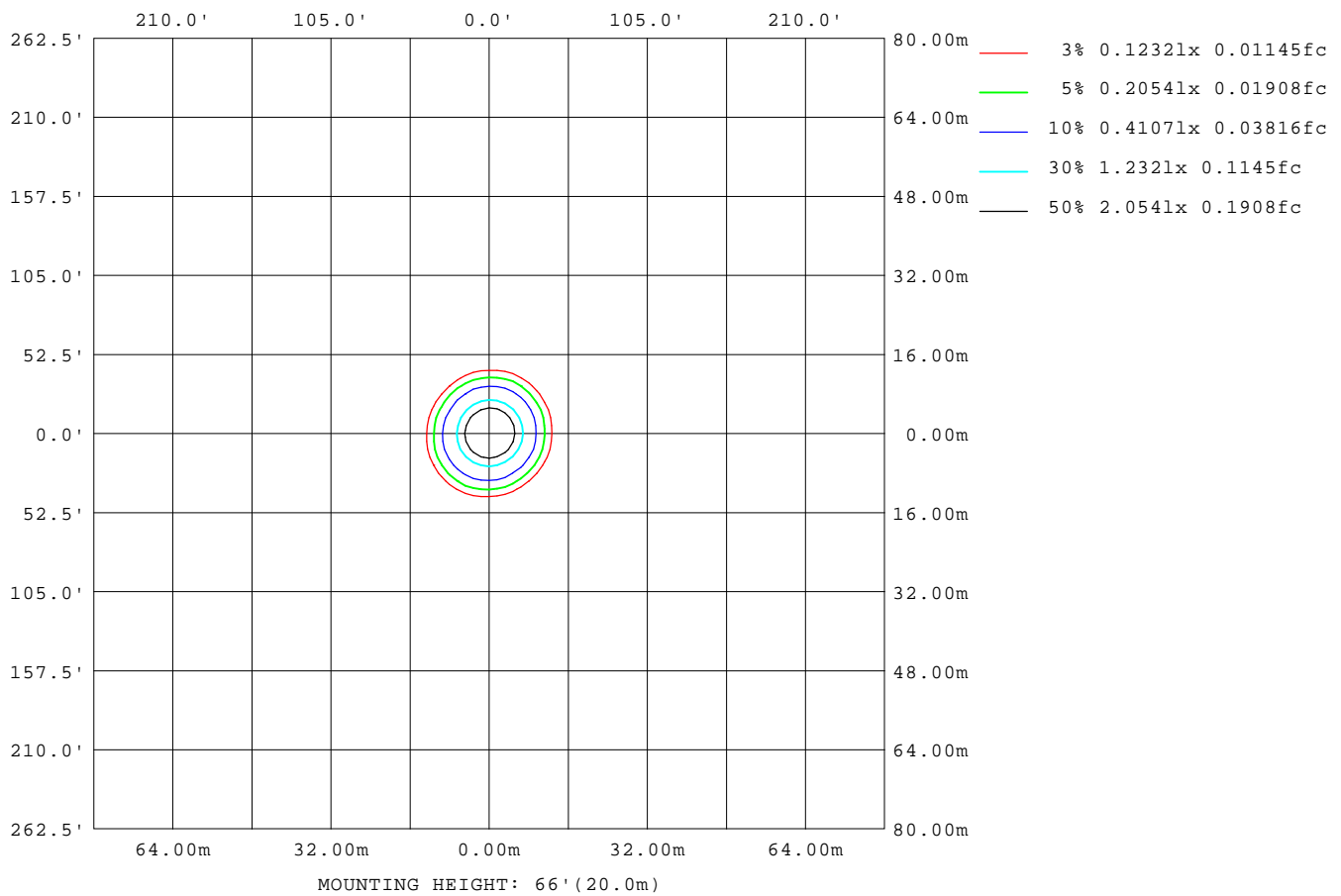
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: zoe  
Test Date: 2023-12-27

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: BXR V-DR-1830G-100Z-A-23 Ra: 90  
LENS: PM-1103A 24R+DIFFUSER  
DRIVER: PUP10A-1WMC-700 500mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: 2218.511-LEA-09B-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
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:2023-12-27

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:BXRV-DR-1830G-100Z-A-23 Ra:90  
LENS:PM-1103A 24R+DIFFUSER  
DRIVER:PUP10A-1WMC-700 500mA  
30minutes warm-up

## LED Avg.L Report

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: 2218.511-LEA-09B-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: RISE	SUR.: 0.001589625m2	Shielding Angle:

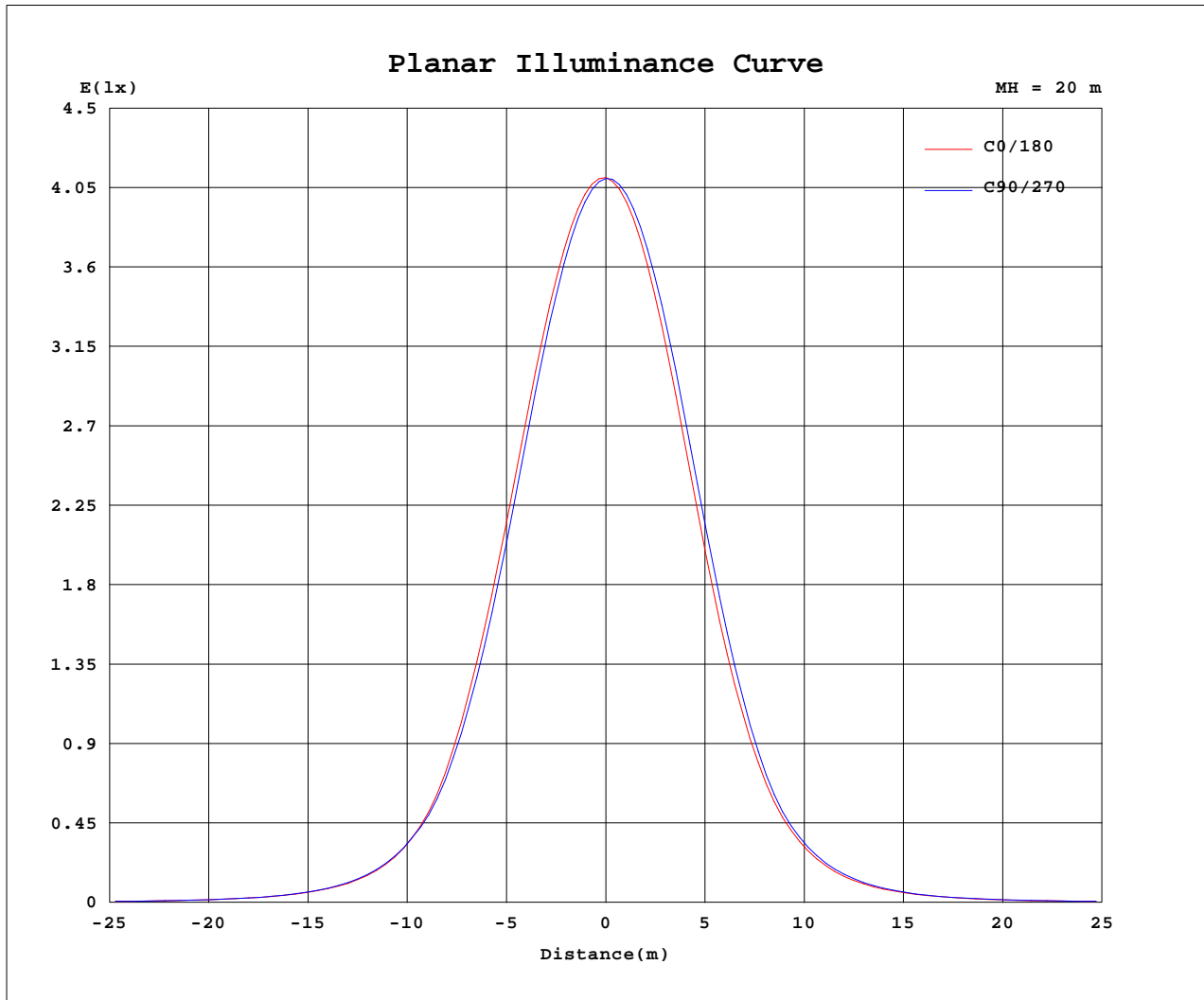
AvgL	cd/m2
L_0~180(65)av	12145
L_0~180(75)av	11191
L_0~180(85)av	2689
L_90~270(65)av	12253
L_90~270(75)av	11278
L_90~270(85)av	2645
L_45(65)av	12196
L_45(75)av	11238
L_45(85)av	2636

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-27

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:BXRV-DR-1830G-100Z-A-23 Ra:90  
LENS:PM-1103A 24R+DIFFUSER  
DRIVER:PUP10A-1WMC-700 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: 2023-12-27

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: BXRV-DR-1830G-100Z-A-23 Ra: 90  
 LENS: PM-1103A 24R+DIFFUSER  
 DRIVER: PUP10A-1WMC-700 500mA  
 30minutes warm-up

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: 2218.511-LEA-09B-DW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
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	1642	1642	1642	1642	1642	1642	1642	1642	1642	1642	1642	1642						
5	1547	1535	1519	1521	1524	1526	1518	1517	1536	1549	1560	1555						
10	1260	1234	1209	1214	1219	1219	1203	1198	1233	1263	1289	1281						
15	866	843	814	818	820	816	797	791	829	861	893	885						
20	493	478	457	463	469	467	447	437	462	485	509	505						
25	233	224	217	230	242	239	220	209	223	235	251	246						
30	112	107	106	116	126	123	109	103	108	117	127	121						
35	57.5	55.6	55.1	59.5	64.2	62.3	56.0	53.6	55.6	59.3	63.4	61.1						
40	31.8	30.9	30.5	32.2	33.9	33.1	30.6	29.4	30.4	32.0	33.7	32.9						
45	18.6	18.4	18.0	18.7	18.9	18.9	18.2	17.4	18.1	18.5	19.2	18.8						
50	12.4	12.4	12.4	12.6	12.9	12.8	12.6	12.3	12.4	12.5	12.6	12.5						
55	10.3	10.3	10.4	10.7	11.0	10.9	10.7	10.5	10.4	10.4	10.4	10.3						
60	9.01	9.05	9.23	9.50	9.68	9.67	9.40	9.16	9.08	9.07	9.09	9.04						
65	7.97	8.02	8.20	8.46	8.61	8.60	8.35	8.08	8.00	8.00	8.04	8.00						
70	6.47	6.53	6.65	6.86	6.97	6.94	6.72	6.50	6.45	6.47	6.50	6.47						
75	4.64	4.62	4.59	4.67	4.72	4.70	4.57	4.48	4.54	4.61	4.68	4.66						
80	2.49	2.45	2.38	2.39	2.39	2.39	2.33	2.28	2.37	2.43	2.50	2.50						
85	0.45	0.43	0.35	0.34	0.32	0.32	0.30	0.30	0.37	0.40	0.42	0.42						
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:25.3℃  
Operators:zoe  
Test Date:2023-12-27

γ Range: 0 - 180DEG  
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Humidity:65.0%  
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Remarks: LAMP:BXR-V-DR-1830G-100Z-A-23 Ra:90  
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