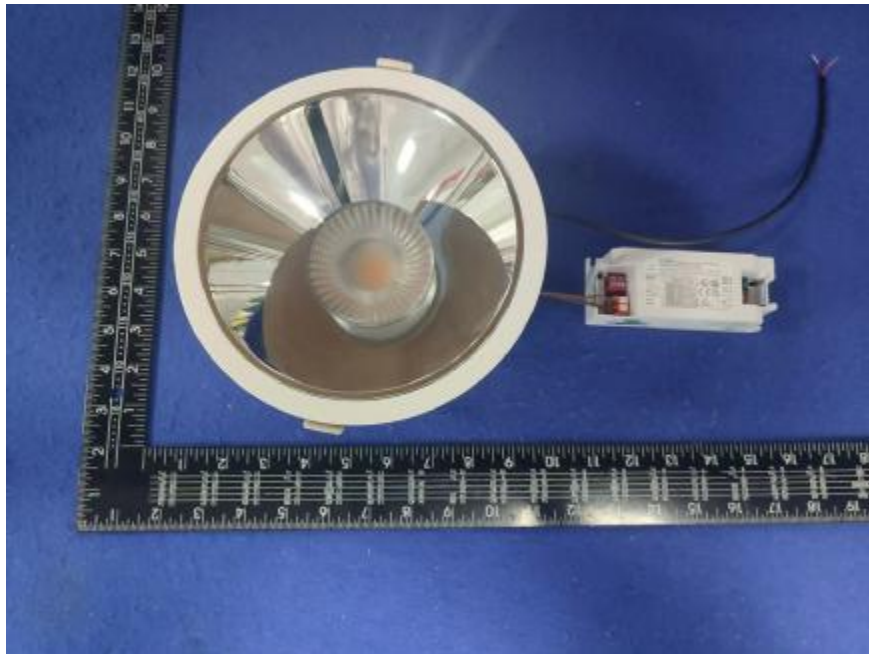


Luminaire Photograph



Light Output Ratio:	75.0%	
Luminaire Power:	39.45 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.70	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-12-12

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-30G40TH-C-8X Ra:90
LENS: 38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

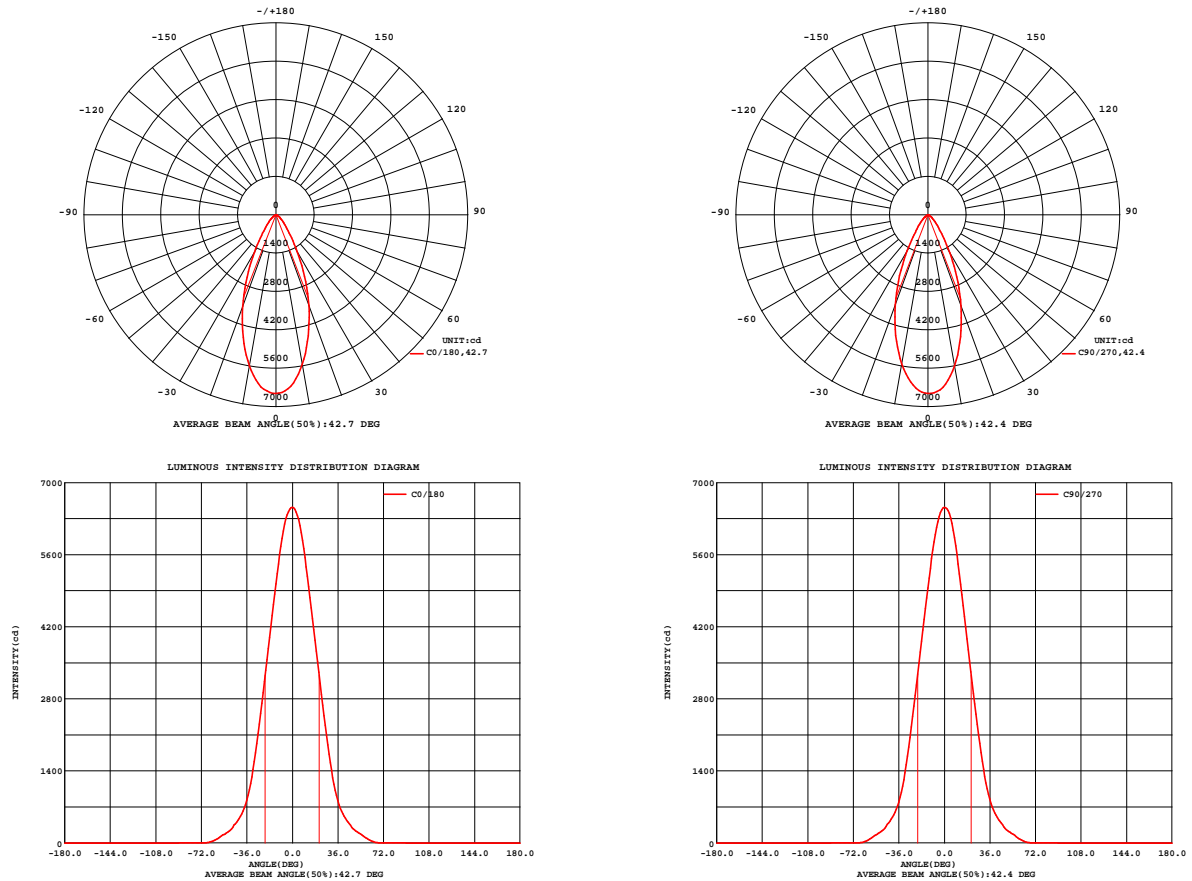


Fig. C0/C180

Fig. C90/C270

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-12-12

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-30G40TH-C-8X Ra: 90
LENS: 38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

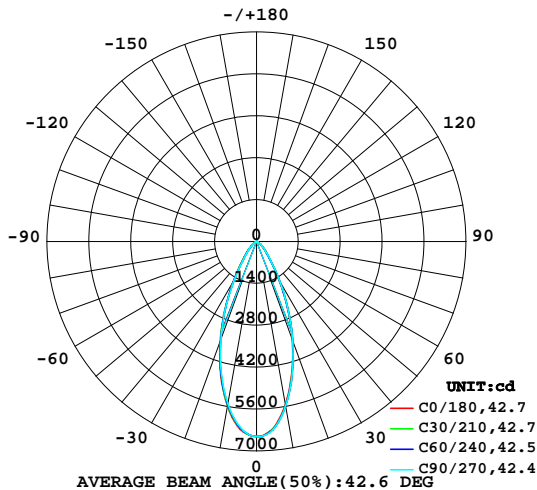
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.19V I:0.1826A P:39.447W PF:0.9788 Freq:49.99Hz
Lamp Flux:5351.47x1 lm

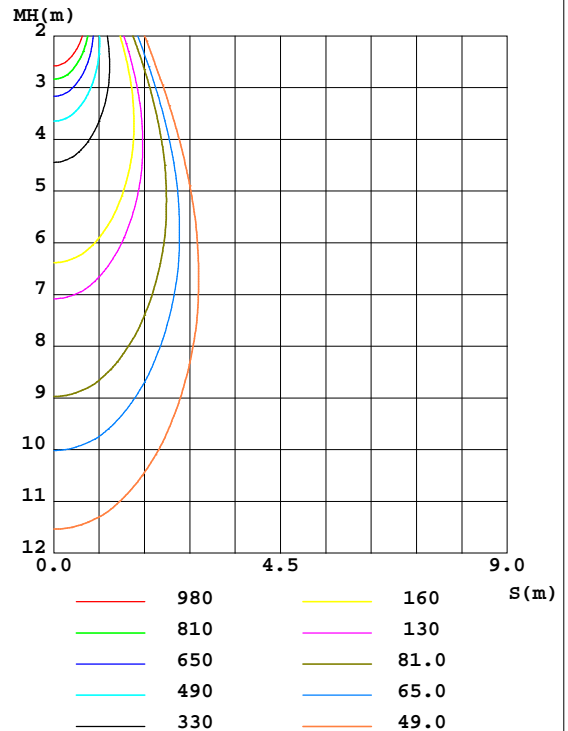
NAME: 2418.141	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412121459
MFR.: RISE	SUR.: 0.020096m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.76 lm/W			
MODEL	Bridgelux	Imax(cd)	6518	S/MH(C0/180)	0.68
NOMINAL POWER(W)	39	LOR(%)	75.0	S/MH(C90/270)	0.67
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4014.3	UP,DN(C0-180)	0.0,37.8
NOMINAL FLUX(lm)	5351.47	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,37.2
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	down(%)	75.0	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-12

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-30G40TH-C-8X Ra:90
LENS:38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	5541	5581	5597	5594	5592	5562	5521	5517	0- 10	576.0	576.0	14.3,10.8
20	3522	3539	3536	3542	3562	3530	3493	3484	10- 20	1265	1841	45.9,34.4
30	1560	1596	1591	1574	1583	1553	1521	1525	20- 30	1130	2971	74,55.5
40	566.1	580.4	583.5	572.4	564.1	553.8	546.2	555.3	30- 40	596.6	3568	88.9,66.7
50	235.3	239.4	239.1	232.0	227.3	219.9	218.0	225.7	40- 50	289.3	3857	96.1,72.1
60	72.94	74.66	70.59	73.93	72.00	65.57	60.94	66.47	50- 60	134.0	3991	99.4,74.6
70	0.9557	0.7605	0.3277	1.246	1.569	0.5936	0.2015	0.4042	60- 70	22.78	4014	100,75
80	0.2035	0.1599	0.1649	0.1577	0.1608	0.1328	0.1591	0.1348	70- 80	0.2280	4014	100,75
90	0	0	0	0	0	0	0	0	80- 90	0.1401	4014	100,75
100	0	0	0	0	0	0	0	0	90-100	0	4014	100,75
110	0	0	0	0	0	0	0	0	100-110	0	4014	100,75
120	0	0	0	0	0	0	0	0	110-120	0	4014	100,75
130	0	0	0	0	0	0	0	0	120-130	0	4014	100,75
140	0	0	0	0	0	0	0	0	130-140	0	4014	100,75
150	0	0	0	0	0	0	0	0	140-150	0	4014	100,75
160	0	0	0	0	0	0	0	0	150-160	0	4014	100,75
170	0	0	0	0	0	0	0	0	160-170	0	4014	100,75
180	0	0	0	0	0	0	0	0	170-180	0	4014	100,75
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-12

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-30G40TH-C-8X Ra:90
LENS:38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.19V I:0.1826A P:39.447W PF:0.9788 Freq:49.99Hz
Lamp Flux:5351.47x1 lm

NAME: 2418.141

TYPE:

WEIGHT:

SPEC.: 3000K

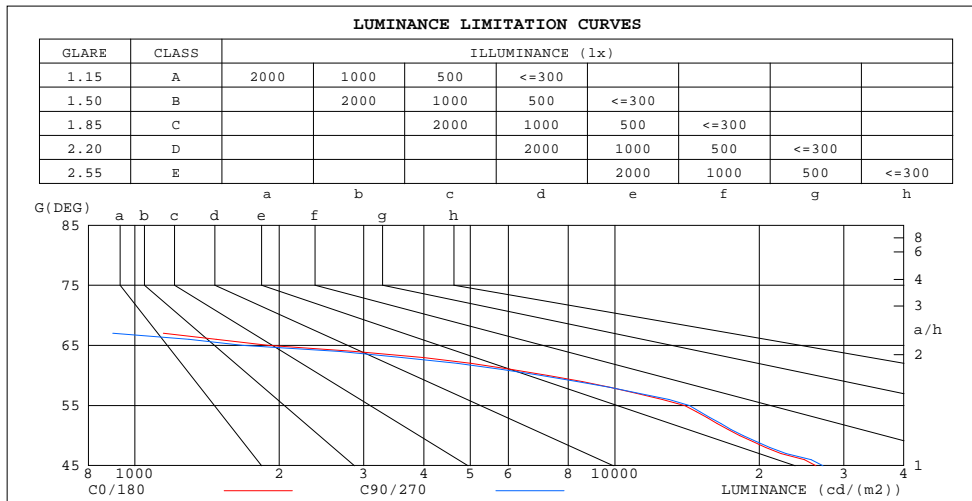
DIM.:

SERIAL No.: 2412121459

MFR.: RISE

SUR.: 0.020096m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	109	81
80	58	47
75	49	43
70	139	48
65	1900	1680
60	7259	7024
55	13980	14299
50	18216	18509
45	26255	27135

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-12

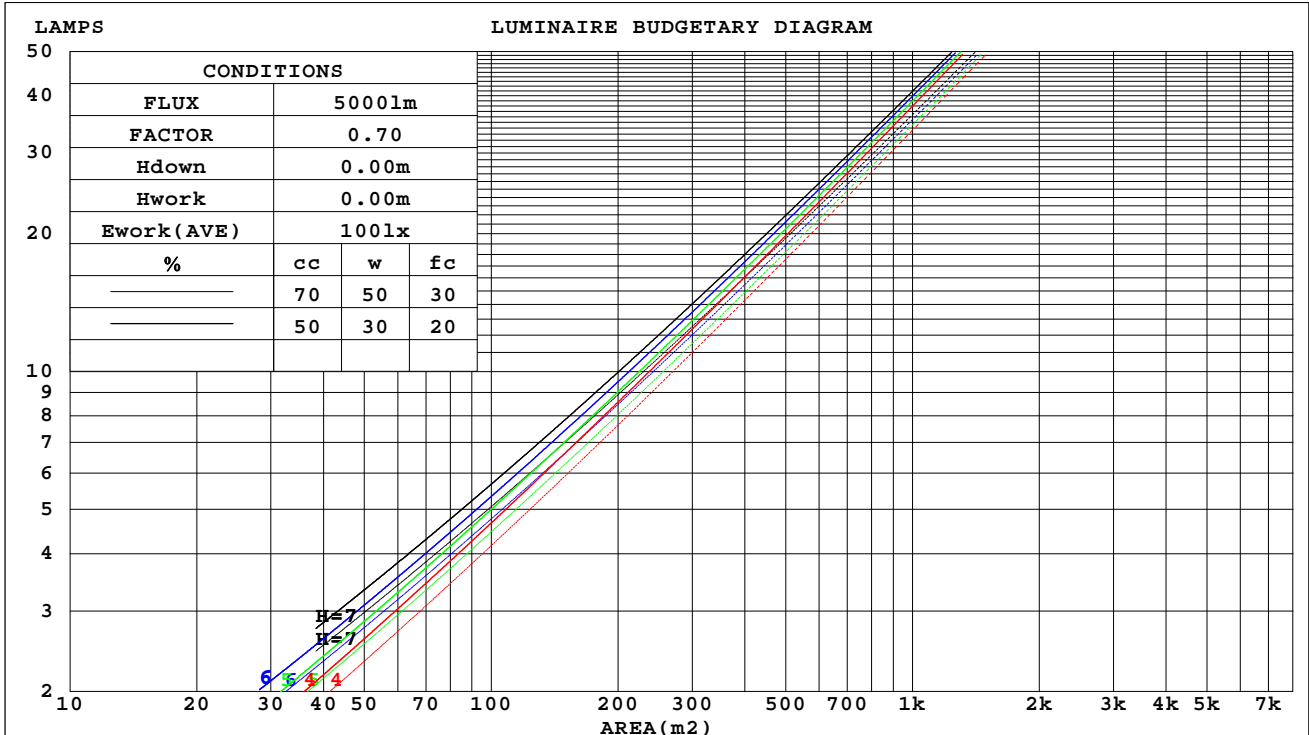
Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G40TH-C-8X Ra:90
LENS:38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.19V I:0.1826A P:39.447W PF:0.9788 Freq:49.99Hz
Lamp Flux:5351.47x1 lm

NAME: 2418.141	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412121459
MFR.: RISE	SUR.: 0.020096m2	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:2024-12-12

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-30G40TH-C-8X Ra:90
LENS:38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

WEC AND CCEC

Test:U:220.19V I:0.1826A P:39.447W PF:0.9788 Freq:49.99Hz Lamp Flux:5351.47x1 lm		
NAME: 2418.141	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412121459
MFR.: RISE	SUR.: 0.020096m2	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	.131	.075	.024	.126	.072	.023	.117	.067	.021	.108	.062	.020	.100	.058	.019	
2.0	.126	.069	.021	.121	.067	.021	.114	.063	.020	.106	.060	.019	.099	.056	.018	
3.0	.120	.064	.019	.116	.062	.019	.109	.059	.018	.103	.057	.017	.097	.054	.017	
4.0	.114	.059	.017	.111	.058	.017	.105	.056	.017	.100	.053	.016	.095	.051	.016	
5.0	.108	.055	.016	.106	.054	.016	.101	.052	.015	.096	.051	.015	.091	.049	.015	
6.0	.103	.052	.015	.101	.051	.015	.096	.049	.014	.092	.048	.014	.088	.047	.014	
7.0	.098	.049	.014	.096	.048	.014	.092	.047	.013	.089	.045	.013	.085	.044	.013	
8.0	.094	.046	.013	.092	.045	.013	.089	.044	.013	.085	.043	.012	.082	.042	.012	
9.0	.090	.043	.012	.088	.043	.012	.085	.042	.012	.082	.041	.012	.079	.040	.012	
10.0	.086	.041	.011	.085	.041	.011	.082	.040	.011	.079	.039	.011	.077	.039	.011	

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	.143	.143	.143	.122	.122	.122	.083	.083	.083	.048	.048	.048	.015	.015	.015		
1.0	.128	.118	.109	.110	.101	.094	.075	.070	.065	.043	.040	.038	.014	.013	.012		
2.0	.117	.099	.085	.100	.086	.073	.069	.059	.051	.040	.034	.030	.013	.011	.010		
3.0	.107	.085	.067	.092	.073	.058	.063	.051	.041	.037	.030	.024	.012	.010	.008		
4.0	.100	.074	.055	.086	.064	.047	.059	.045	.033	.034	.026	.020	.011	.009	.006		
5.0	.093	.065	.045	.080	.057	.039	.055	.040	.028	.032	.023	.016	.010	.008	.005		
6.0	.087	.058	.038	.075	.051	.033	.052	.035	.023	.030	.021	.014	.010	.007	.005		
7.0	.082	.053	.032	.071	.046	.028	.049	.032	.020	.028	.019	.012	.009	.006	.004		
8.0	.078	.048	.027	.067	.042	.024	.046	.029	.017	.027	.017	.010	.009	.006	.003		
9.0	.074	.044	.024	.064	.038	.021	.044	.027	.015	.026	.016	.009	.008	.005	.003		
10.0	.071	.041	.021	.061	.035	.018	.042	.025	.013	.025	.015	.008	.008	.005	.003		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-12

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-30G40TH-C-8X Ra:90
LENS:38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:220.19V I:0.1826A P:39.447W PF:0.9788 Freq:49.99Hz Lamp Flux:5351.47x1 lm										
NAME: 2418.141					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2412121459		
MFR.: RISE					SUR.: 0.020096m2			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	13.0	13.9	13.2	14.1	14.3	13.0	14.0	13.3	14.1	14.3
3H	12.8	13.7	13.1	13.9	14.1	12.9	13.7	13.1	13.9	14.1
4H	12.7	13.6	13.0	13.8	14.0	12.8	13.6	13.1	13.8	14.0
6H	12.7	13.4	13.0	13.7	13.9	12.7	13.5	13.0	13.7	13.9
8H	12.6	13.3	12.9	13.6	13.9	12.6	13.4	13.0	13.6	13.9
12H	12.6	13.3	12.9	13.5	13.8	12.6	13.3	12.9	13.6	13.8
4H 2H	12.9	13.7	13.1	13.9	14.1	12.9	13.7	13.2	13.9	14.1
3H	12.7	13.4	13.0	13.7	13.9	12.7	13.4	13.0	13.7	14.0
4H	12.6	13.2	12.9	13.5	13.8	12.6	13.3	13.0	13.6	13.9
6H	12.5	13.1	12.9	13.4	13.7	12.5	13.1	12.9	13.4	13.8
8H	12.4	13.0	12.8	13.3	13.7	12.5	13.0	12.9	13.3	13.7
12H	12.4	12.9	12.8	13.2	13.6	12.4	12.9	12.8	13.3	13.7
8H 4H	12.4	13.0	12.8	13.3	13.7	12.5	13.0	12.9	13.3	13.7
6H	12.3	12.8	12.8	13.2	13.6	12.4	12.8	12.8	13.2	13.6
8H	12.3	12.7	12.7	13.1	13.5	12.3	12.7	12.8	13.1	13.6
12H	12.2	12.6	12.7	13.0	13.5	12.3	12.6	12.7	13.0	13.5
12H 4H	12.4	12.9	12.8	13.2	13.6	12.4	12.9	12.8	13.3	13.7
6H	12.3	12.7	12.7	13.1	13.5	12.3	12.7	12.8	13.1	13.6
8H	12.2	12.6	12.7	13.0	13.5	12.3	12.6	12.7	13.0	13.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.9 / - 4.0					+ 2.0 / - 4.0				
1.5H	+ 2.4 / - 1.8					+ 2.6 / - 1.9				
2.0H	+ 3.7 / - 8.1					+ 3.8 / - 9.0				

CIE Pub.117, 5351 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.8)
Area: 0.020096 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-12

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-30G40TH-C-8X Ra:90
LENS:38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

UTILIZATION FACTORS TABLE

Test:U:220.19V I:0.1826A P:39.447W PF:0.9788 Freq:49.99Hz Lamp Flux:5351.47x1 lm		
NAME: 2418.141	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412121459
MFR.: RISE	SUR.: 0.020096m2	Shielding Angle:

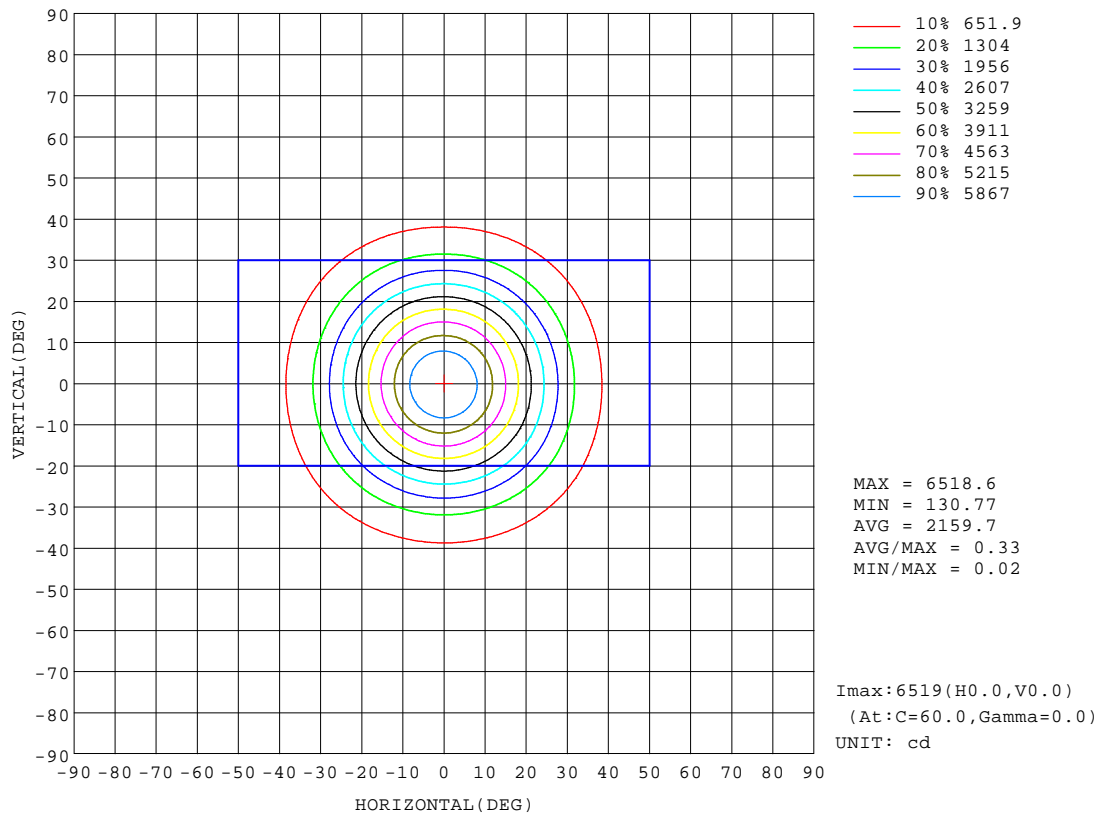
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	63	58	55	63	58	55	62	58	55	52
0.80	69	64	61	69	64	61	68	64	61	58
1.00	73	69	66	72	68	65	71	68	65	62
1.25	76	72	70	76	72	69	74	71	69	65
1.50	79	75	72	78	74	72	76	73	71	68
2.00	81	78	75	80	77	75	78	75	73	69
2.50	82	79	77	81	78	76	79	77	75	70
3.00	83	81	79	82	80	78	80	78	76	71
4.00	85	83	81	83	82	80	81	79	78	73
5.00	86	84	83	84	83	81	81	80	79	73
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:2024-12-12

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-30G40TH-C-8X Ra:90
LENS:38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

ISOCANDELA DIAGRAM

Test:U:220.19V I:0.1826A P:39.447W PF:0.9788 Freq:49.99Hz Lamp Flux:5351.47x1 lm		
NAME: 2418.141	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412121459
MFR.: RISE	SUR.: 0.020096m2	Shielding Angle:

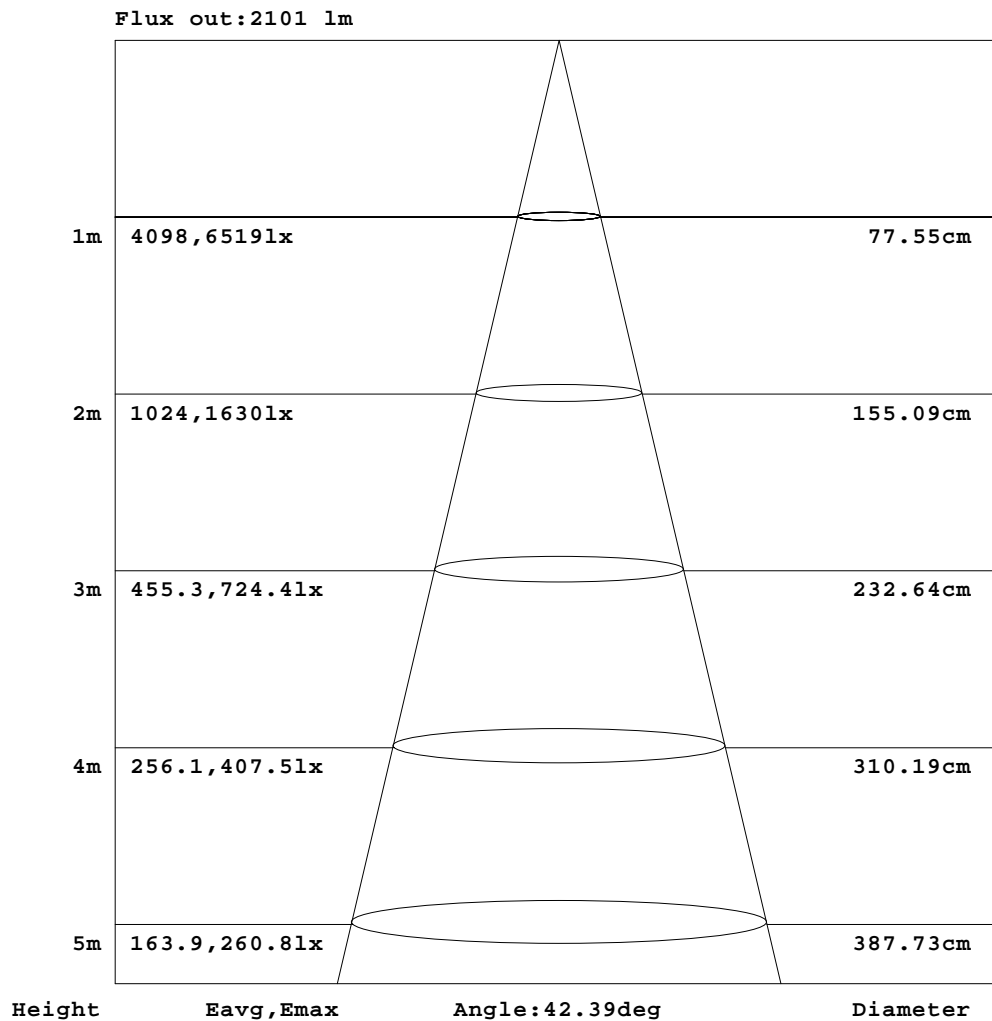


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-12

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-30G40TH-C-8X Ra:90
LENS:38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

AAI Figure

Test:U:220.19V I:0.1826A P:39.447W PF:0.9788 Freq:49.99Hz Lamp Flux:5351.47x1 lm		
NAME: 2418.141	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412121459
MFR.: RISE	SUR.: 0.020096m2	Shielding Angle:



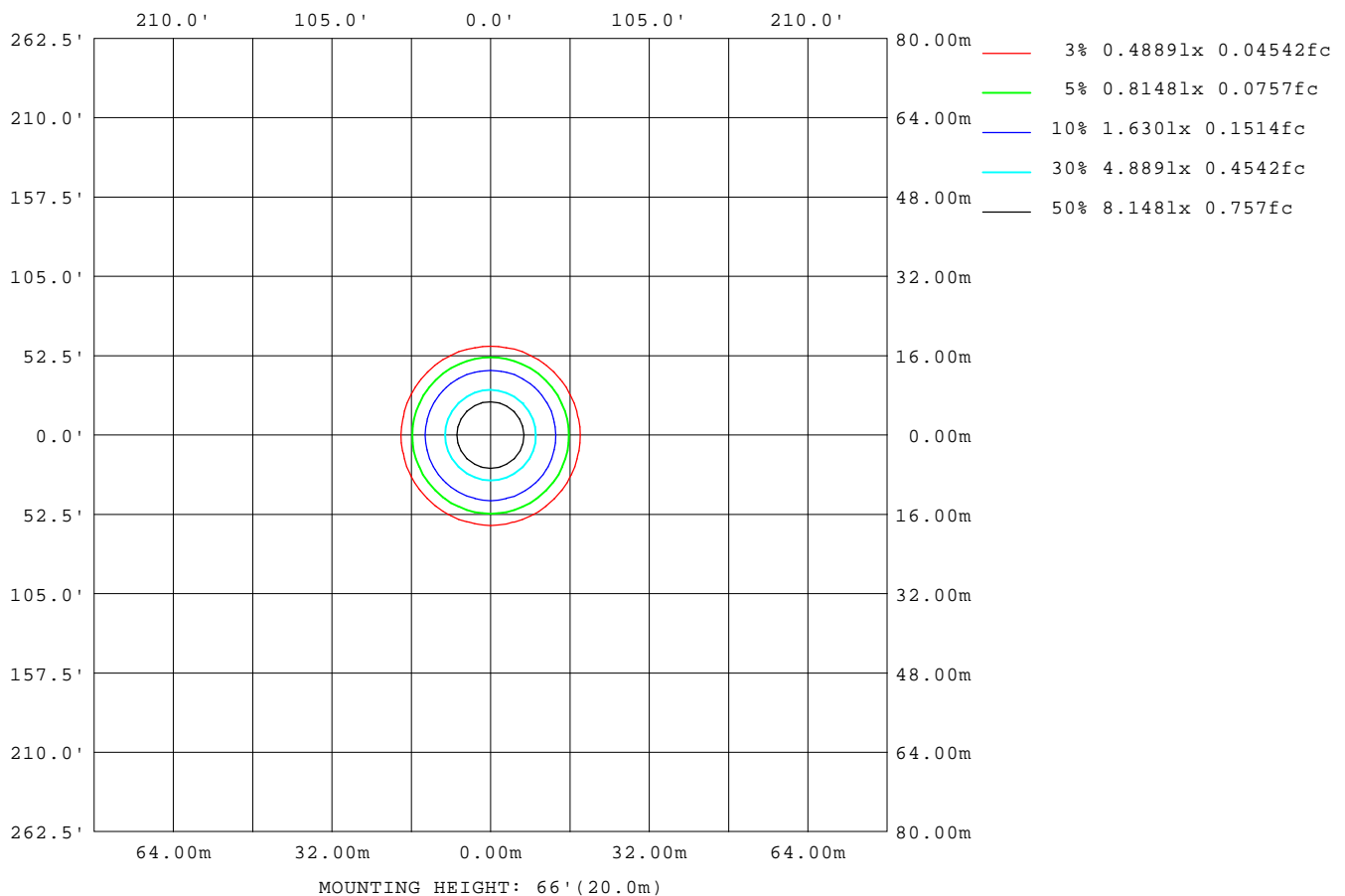
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-12

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-30G40TH-C-8X Ra:90
LENS:38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:220.19V I:0.1826A P:39.447W PF:0.9788 Freq:49.99Hz Lamp Flux:5351.47x1 lm		
NAME: 2418.141	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412121459
MFR.: RISE	SUR.: 0.020096m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-12

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-30G40TH-C-8X Ra:90
LENS:38R
DRIVER: BK-PSL042-A1100AS 1050mA
30minutes warm-up

LED Avg.L Report

Test:U:220.19V I:0.1826A P:39.447W PF:0.9788 Freq:49.99Hz Lamp Flux:5351.47x1 lm		
NAME: 2418.141	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412121459
MFR.: RISE	SUR.: 0.020096m2	Shielding Angle:

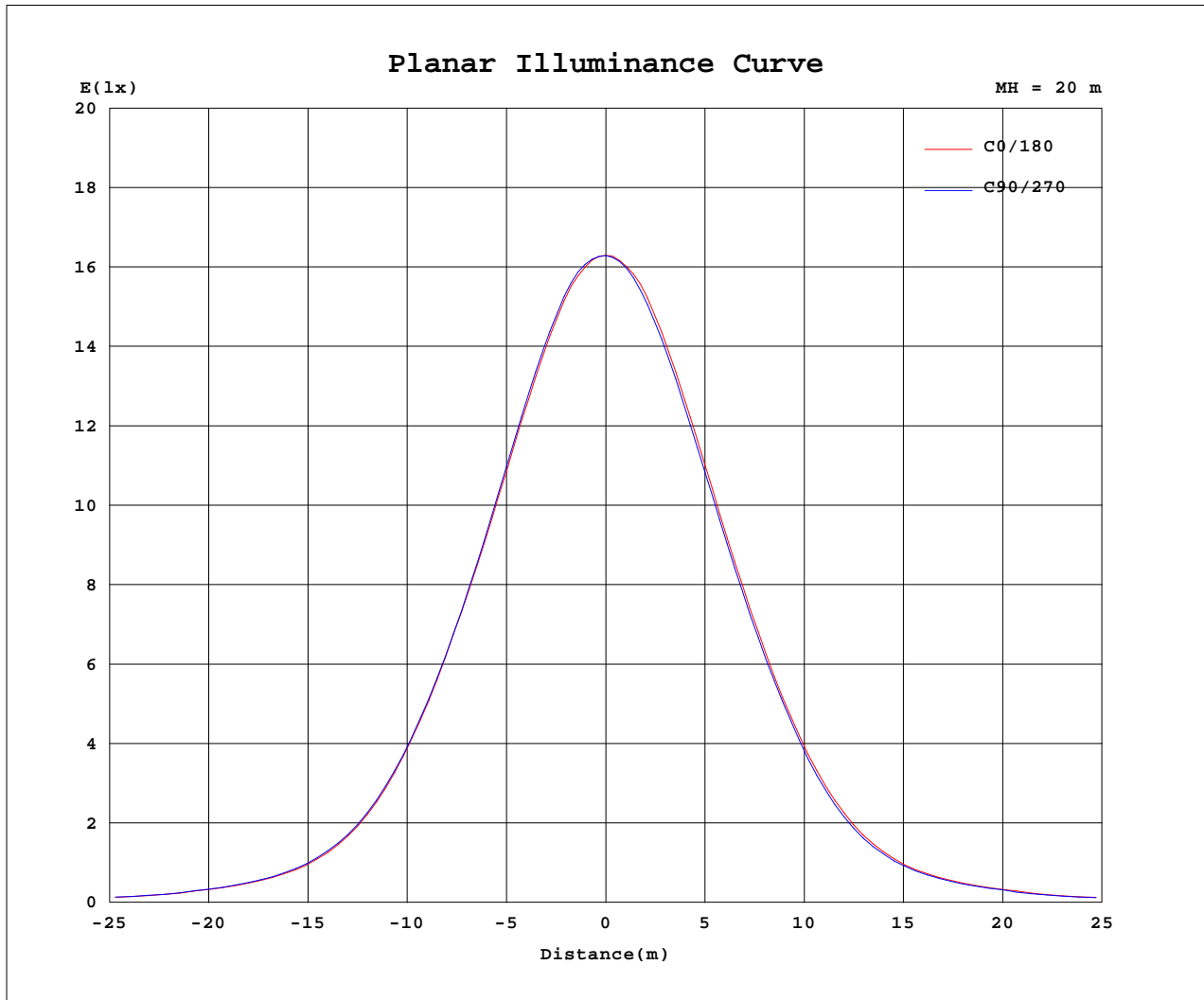
AvgL	cd/m2
L_0~180(65)av	2065
L_0~180(75)av	40
L_0~180(85)av	107
L_90~270(65)av	1484
L_90~270(75)av	37
L_90~270(85)av	87
L_45(65)av	1789
L_45(75)av	33
L_45(85)av	79

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-12-12

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-30G40TH-C-8X Ra:90
LENS:38R
DRIVER: BK-PSL042-A1100AS 1050mA
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: 2024-12-12

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-30G40TH-C-8X Ra:90
 LENS: 38R
 DRIVER: BK-PSL042-A1100AS 1050mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.19V I:0.1826A P:39.447W PF:0.9788 Freq:49.99Hz Lamp Flux:5351.47x1 lm		
NAME: 2418.141	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2412121459
MFR.: RISE	SUR.: 0.020096m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	6518	6518	6518	6518	6518	6518	6518	6518	6518	6518	6518	6518						
5	6280	6302	6310	6316	6319	6306	6301	6275	6262	6241	6242	6253						
10	5541	5575	5586	5597	5597	5591	5592	5571	5554	5521	5511	5522						
15	4567	4598	4608	4610	4601	4610	4630	4602	4590	4555	4552	4539						
20	3522	3547	3531	3536	3531	3554	3562	3538	3522	3493	3487	3481						
25	2474	2517	2501	2500	2481	2499	2512	2488	2470	2457	2443	2450						
30	1560	1605	1587	1591	1574	1575	1583	1556	1549	1521	1525	1525						
35	921	946	944	949	941	936	932	915	903	890	888	902						
40	566	579	582	584	577	568	564	556	552	546	554	557						
45	373	385	387	386	383	376	371	368	366	363	372	372						
50	235	239	240	239	233	231	227	220	219	218	223	228						
55	161	166	165	165	161	159	156	150	147	145	150	154						
60	72.9	76.1	73.3	70.6	72.6	75.3	72.0	67.4	63.7	60.9	64.7	68.3						
65	16.1	20.4	15.9	14.3	15.4	20.7	18.9	14.1	10.6	10.9	11.0	13.3						
70	0.96	1.16	0.37	0.33	0.59	1.90	1.57	1.00	0.19	0.20	0.23	0.58						
75	0.26	0.22	0.22	0.22	0.21	0.22	0.16	0.14	0.13	0.16	0.14	0.14						
80	0.20	0.16	0.16	0.16	0.15	0.16	0.16	0.13	0.13	0.16	0.13	0.14						
85	0.19	0.15	0.13	0.14	0.13	0.15	0.18	0.15	0.13	0.16	0.13	0.15						
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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