

Luminaire Photograph



Light Output Ratio:	77.5%	
Luminaire Power:	1.221 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-5-13

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: BXRE-30G-11H-3A-00-0-0 Ra: 90
LENS: LL01ZZ-DRT 25R
NO DRIVER: DC 24V
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

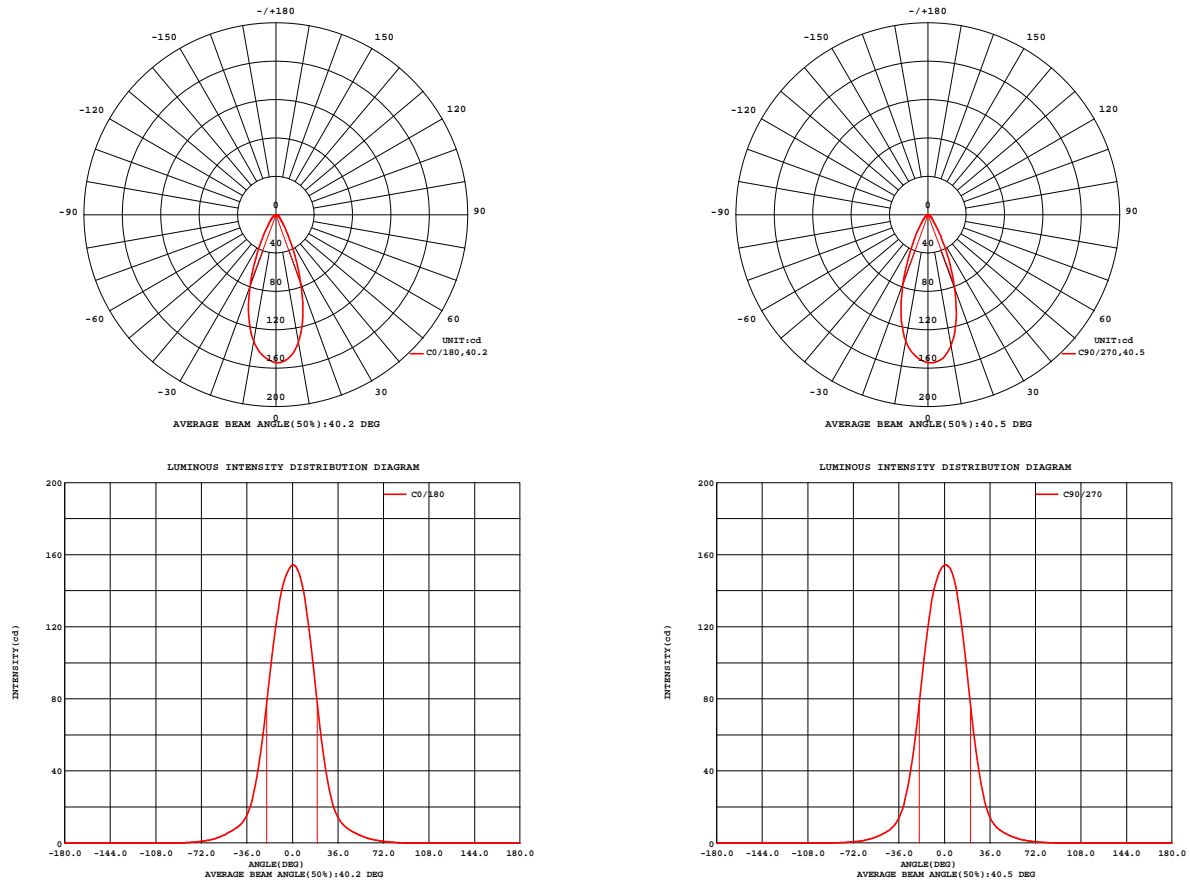


Fig. C0/C180

Fig. C90/C270

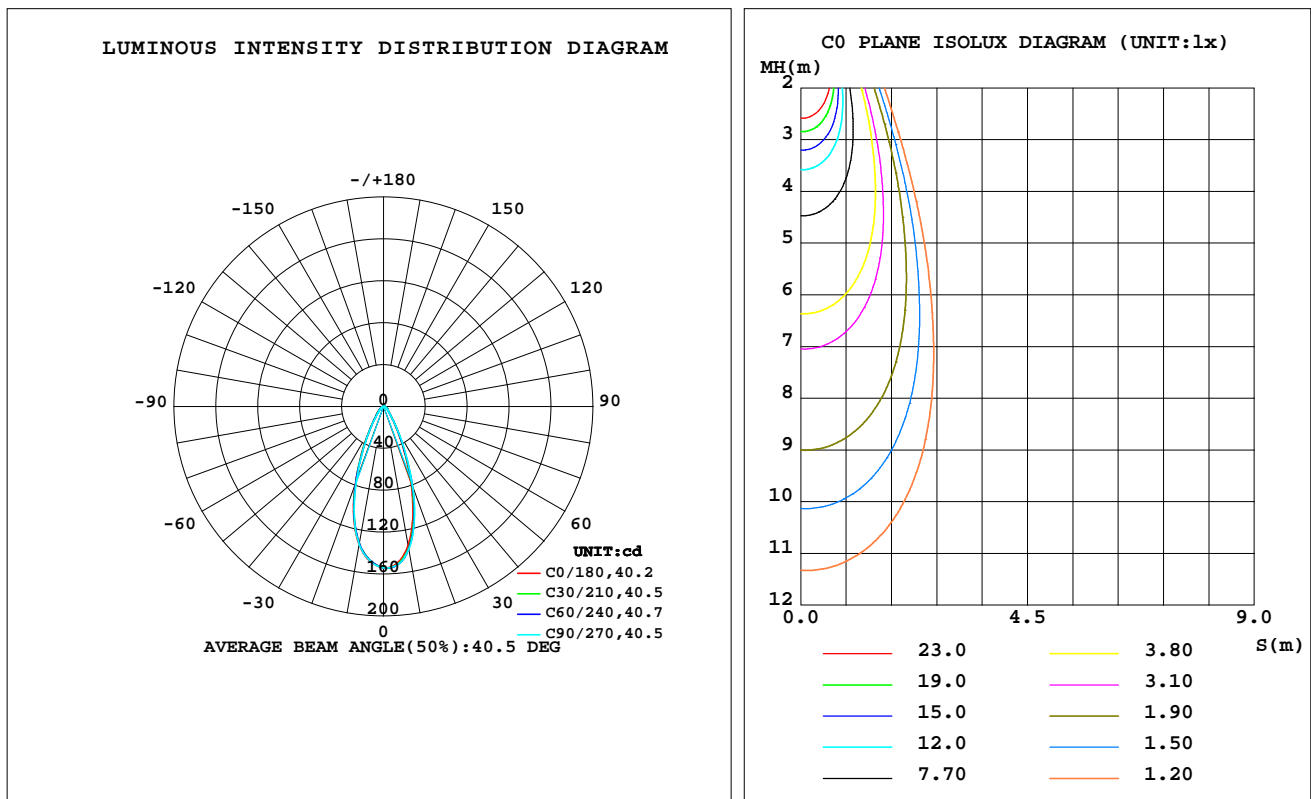
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LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.944V I:0.0510A P:1.2208W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130536
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.85 lm/W			
MODEL	Brideglux	Imax(cd)	154.3	S/MH(C0/180)	0.65
NOMINAL POWER(W)	1	LOR(%)	77.5	S/MH(C90/270)	0.64
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	88.934	η UP,DN(C0-180)	0.0,39.3
NOMINAL FLUX(lm)	114.769	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,38.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	77.5	CIBSE SHR MAX	0.65



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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	134.9	137.9	138.6	135.8	134.2	133.0	133.8	133.6	0- 10	13.83	13.83	15.5,12
20	76.00	79.98	81.50	81.07	79.21	78.22	76.11	75.24	10- 20	30.03	43.85	49.3,38.2
30	26.97	28.06	29.29	29.51	29.15	28.27	27.03	26.10	20- 30	22.57	66.43	74.7,57.9
40	10.31	9.964	9.819	10.36	10.97	10.30	9.468	9.530	30- 40	10.50	76.93	86.5,67
50	5.390	5.493	4.712	5.537	5.891	5.530	4.511	5.286	40- 50	5.650	82.58	92.9,72
60	2.614	2.944	2.095	2.913	2.708	2.889	1.955	2.848	50- 60	3.499	86.08	96.8,75
70	1.119	1.374	0.8459	1.350	1.093	1.367	0.7845	1.350	60- 70	1.867	87.94	98.9,76.6
80	0.3651	0.4563	0.2899	0.4654	0.3768	0.4668	0.2633	0.4390	70- 80	0.8273	88.77	99.8,77.3
90	0	0	0	0	0	0	0	0	80- 90	0.1619	88.93	100,77.5
100	0	0	0	0	0	0	0	0	90-100	0	88.93	100,77.5
110	0	0	0	0	0	0	0	0	100-110	0	88.93	100,77.5
120	0	0	0	0	0	0	0	0	110-120	0	88.93	100,77.5
130	0	0	0	0	0	0	0	0	120-130	0	88.93	100,77.5
140	0	0	0	0	0	0	0	0	130-140	0	88.93	100,77.5
150	0	0	0	0	0	0	0	0	140-150	0	88.93	100,77.5
160	0	0	0	0	0	0	0	0	150-160	0	88.93	100,77.5
170	0	0	0	0	0	0	0	0	160-170	0	88.93	100,77.5
180	0	0	0	0	0	0	0	0	170-180	0	88.93	100,77.5
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Test Distance:3.160m [K=1.0000]
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NO DRIVER:DC 24V
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:23.944V I:0.0510A P:1.2208W PF:1.0000 Freq:0Hz
Lamp Flux:114.769x1 lm

NAME: 2417.201

TYPE:

WEIGHT:

SPEC.: 3000K

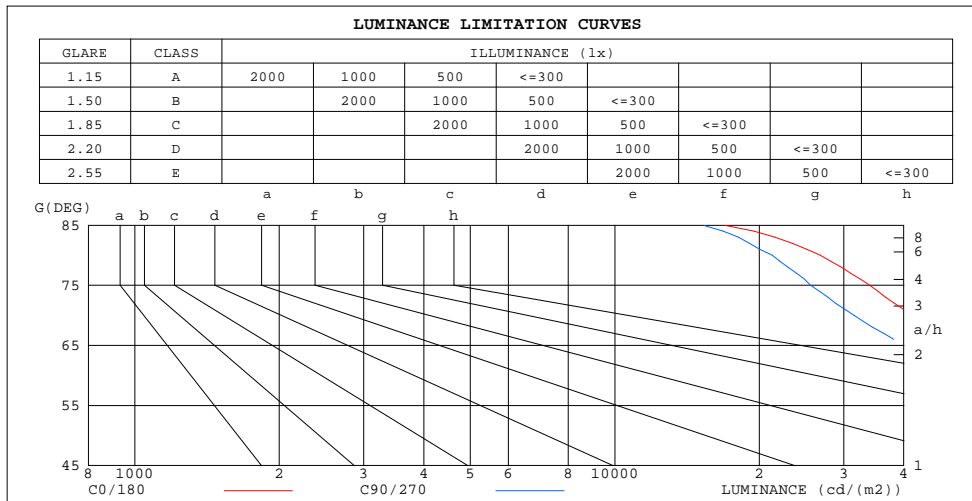
DIM.:

SERIAL No.: 2405130536

MFR.: RISE

SUR.: 0.0000785m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	16964	15304
80	26760	21277
75	33953	25573
70	41623	31516
65	52198	40095
60	66528	53398
55	84843	71068
50	106711	93420
45	132709	120404

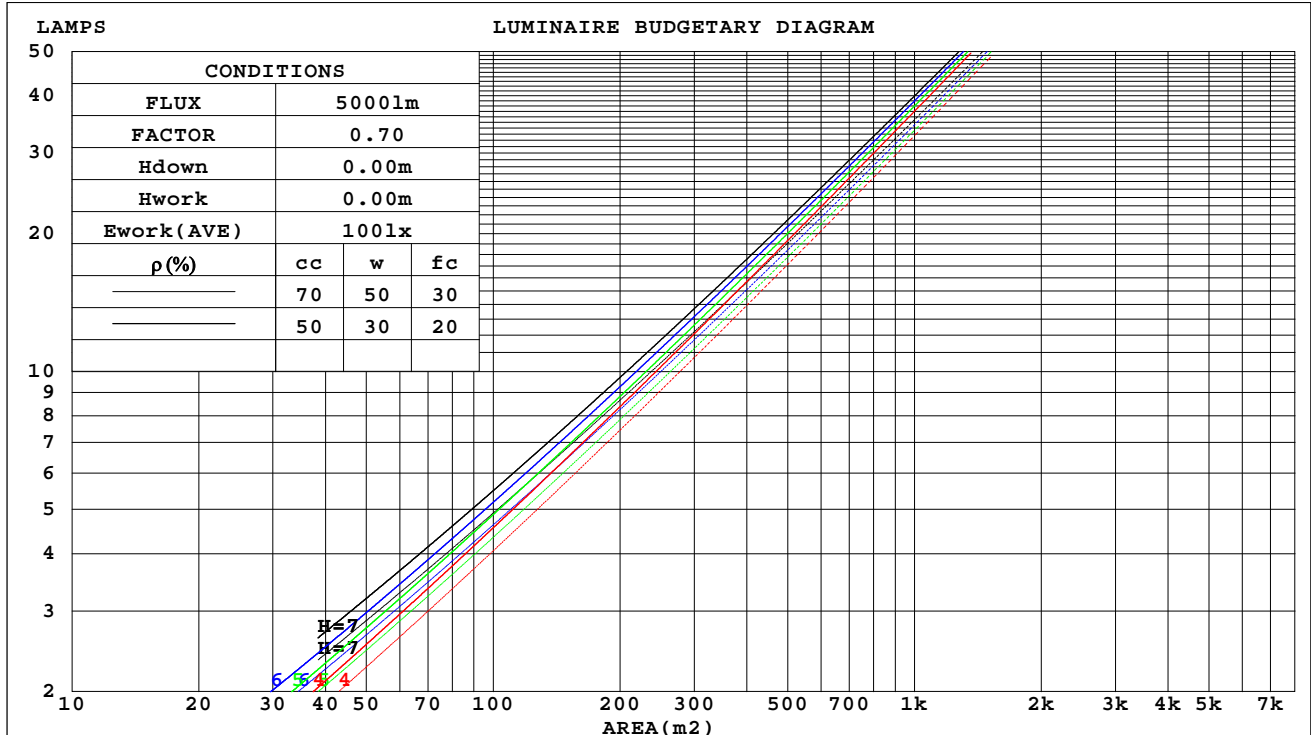
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130536
MFR.: RISE	SUR.: 0.0000785m2	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															



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LENS:LL01ZZ-DRT 25R
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30minutes warm-up

WEC AND CCEC

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NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130536
MFR.: RISE	SUR.: 0.0000785m2	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	.142	.081	.026	.136	.078	.025	.127	.073	.023	.118	.068	.022	.109	.063	.020	
2.0	.135	.074	.023	.130	.072	.022	.122	.068	.021	.114	.064	.020	.107	.061	.019	
3.0	.127	.068	.020	.123	.066	.020	.116	.063	.019	.110	.060	.018	.104	.057	.018	
4.0	.120	.062	.018	.117	.061	.018	.111	.059	.018	.105	.056	.017	.100	.054	.017	
5.0	.113	.058	.017	.111	.057	.017	.105	.055	.016	.100	.053	.016	.096	.051	.015	
6.0	.107	.054	.015	.105	.053	.015	.100	.051	.015	.096	.050	.015	.092	.048	.014	
7.0	.102	.050	.014	.100	.050	.014	.096	.048	.014	.092	.047	.014	.088	.046	.013	
8.0	.097	.047	.013	.095	.047	.013	.091	.046	.013	.088	.045	.013	.085	.044	.013	
9.0	.092	.045	.012	.091	.044	.012	.087	.043	.012	.084	.042	.012	.082	.041	.012	
10.0	.088	.042	.012	.087	.042	.012	.084	.041	.012	.081	.040	.011	.078	.039	.011	

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	.148	.148	.148	.126	.126	.126	.086	.086	.086	.049	.049	.049	.016	.016	.016	
1.0	.133	.122	.112	.114	.105	.096	.078	.072	.067	.045	.042	.039	.014	.013	.013	
2.0	.121	.103	.087	.104	.088	.075	.071	.061	.052	.041	.036	.031	.013	.012	.010	
3.0	.112	.088	.069	.096	.076	.060	.066	.053	.042	.038	.031	.025	.012	.010	.008	
4.0	.104	.077	.056	.089	.066	.049	.061	.046	.034	.035	.027	.020	.011	.009	.007	
5.0	.097	.068	.046	.083	.058	.040	.057	.041	.028	.033	.024	.017	.011	.008	.006	
6.0	.091	.060	.039	.078	.052	.034	.054	.037	.024	.031	.022	.014	.010	.007	.005	
7.0	.085	.054	.033	.073	.047	.029	.051	.033	.020	.029	.019	.012	.010	.006	.004	
8.0	.081	.050	.028	.069	.043	.025	.048	.030	.017	.028	.018	.010	.009	.006	.003	
9.0	.076	.045	.025	.066	.039	.021	.046	.028	.015	.027	.016	.009	.009	.005	.003	
10.0	.073	.042	.022	.063	.036	.019	.043	.026	.013	.025	.015	.008	.008	.005	.003	

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LENS:LL01ZZ-DRT 25R
NO DRIVER:DC 24V
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:23.944V I:0.0510A P:1.2208W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm										
NAME: 2417.201					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2405130536		
MFR.: RISE					SUR.: 0.0000785m2			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	32.2	33.2	32.5	33.3	33.5	31.9	32.9	32.2	33.0	33.2
3H	32.7	33.5	32.9	33.7	33.9	32.2	33.1	32.5	33.3	33.5
4H	32.8	33.6	33.1	33.8	34.0	32.3	33.1	32.6	33.3	33.6
6H	32.8	33.6	33.1	33.8	34.1	32.3	33.1	32.6	33.3	33.6
8H	32.8	33.6	33.1	33.8	34.1	32.3	33.0	32.6	33.3	33.6
12H	32.8	33.5	33.1	33.8	34.1	32.3	33.0	32.6	33.3	33.5
4H 2H	32.5	33.3	32.7	33.5	33.7	32.2	33.0	32.5	33.2	33.5
3H	33.0	33.8	33.4	34.0	34.3	32.7	33.4	33.0	33.6	33.9
4H	33.3	33.9	33.6	34.2	34.5	32.8	33.5	33.2	33.8	34.1
6H	33.4	33.9	33.7	34.3	34.6	32.9	33.5	33.3	33.8	34.2
8H	33.4	33.9	33.8	34.3	34.6	32.9	33.4	33.3	33.8	34.2
12H	33.4	33.9	33.8	34.2	34.6	32.9	33.4	33.3	33.8	34.1
8H 4H	33.3	33.8	33.7	34.2	34.6	32.9	33.4	33.3	33.8	34.1
6H	33.5	33.9	33.9	34.3	34.7	33.1	33.5	33.5	33.9	34.3
8H	33.5	33.9	34.0	34.3	34.8	33.1	33.5	33.5	33.9	34.3
12H	33.5	33.9	34.0	34.3	34.8	33.1	33.4	33.6	33.9	34.3
12H 4H	33.3	33.8	33.7	34.1	34.5	32.9	33.4	33.3	33.7	34.1
6H	33.5	33.9	33.9	34.3	34.7	33.1	33.4	33.5	33.9	34.3
8H	33.5	33.9	34.0	34.3	34.8	33.1	33.4	33.6	33.9	34.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.7 / - 1.0					+ 0.8 / - 1.2				
1.5H	+ 0.9 / - 0.6					+ 1.1 / - 1.0				
2.0H	+ 1.2 / - 1.3					+ 1.3 / - 1.8				

CIE Pub.117, 114.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.5)
Area: 7.85e-005 m2

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UTILIZATION FACTORS TABLE

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MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

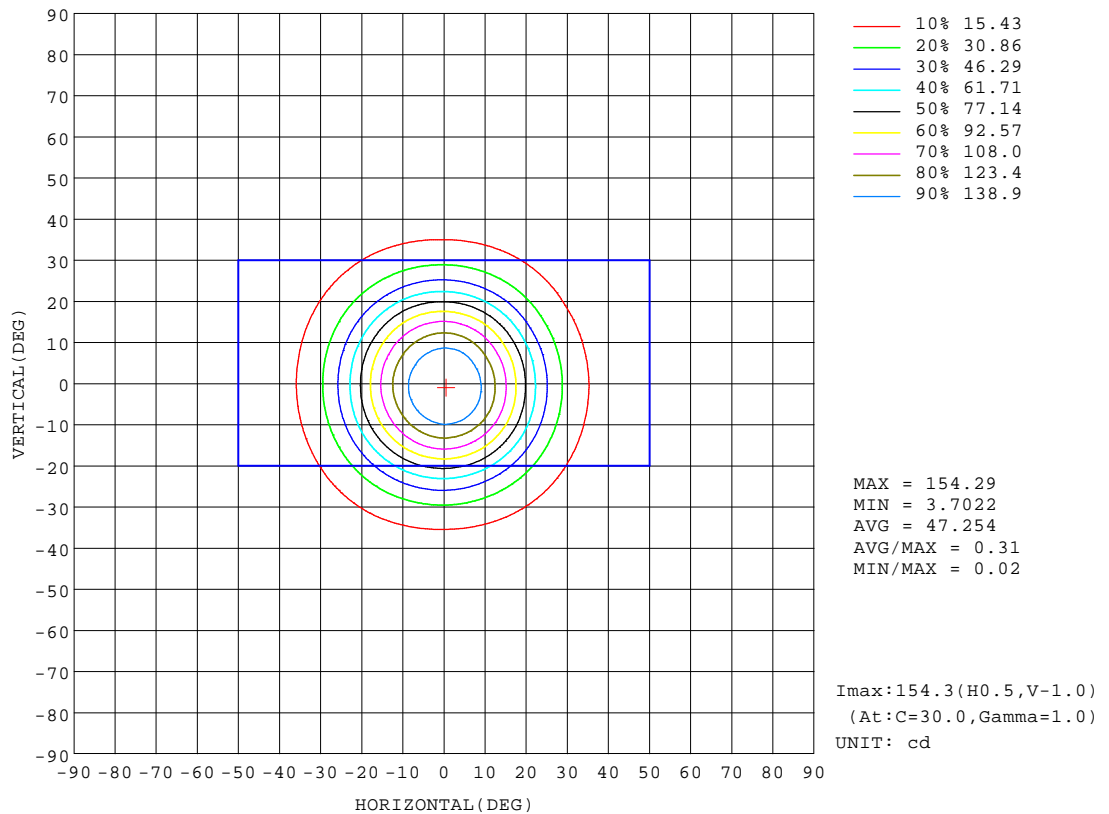
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	59	56	64	59	56	63	58	55	52
0.80	70	65	62	70	65	62	69	65	62	58
1.00	74	70	66	74	69	66	72	69	66	62
1.25	78	73	70	77	73	70	75	72	69	66
1.50	80	76	73	79	75	73	77	74	72	68
2.00	83	79	76	82	78	76	79	77	75	70
2.50	84	81	78	83	80	78	81	78	76	71
3.00	86	83	80	84	82	79	82	80	78	73
4.00	87	85	83	86	84	82	83	81	80	74
5.00	89	87	85	87	85	84	84	82	81	75
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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ISOCANDELA DIAGRAM

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MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

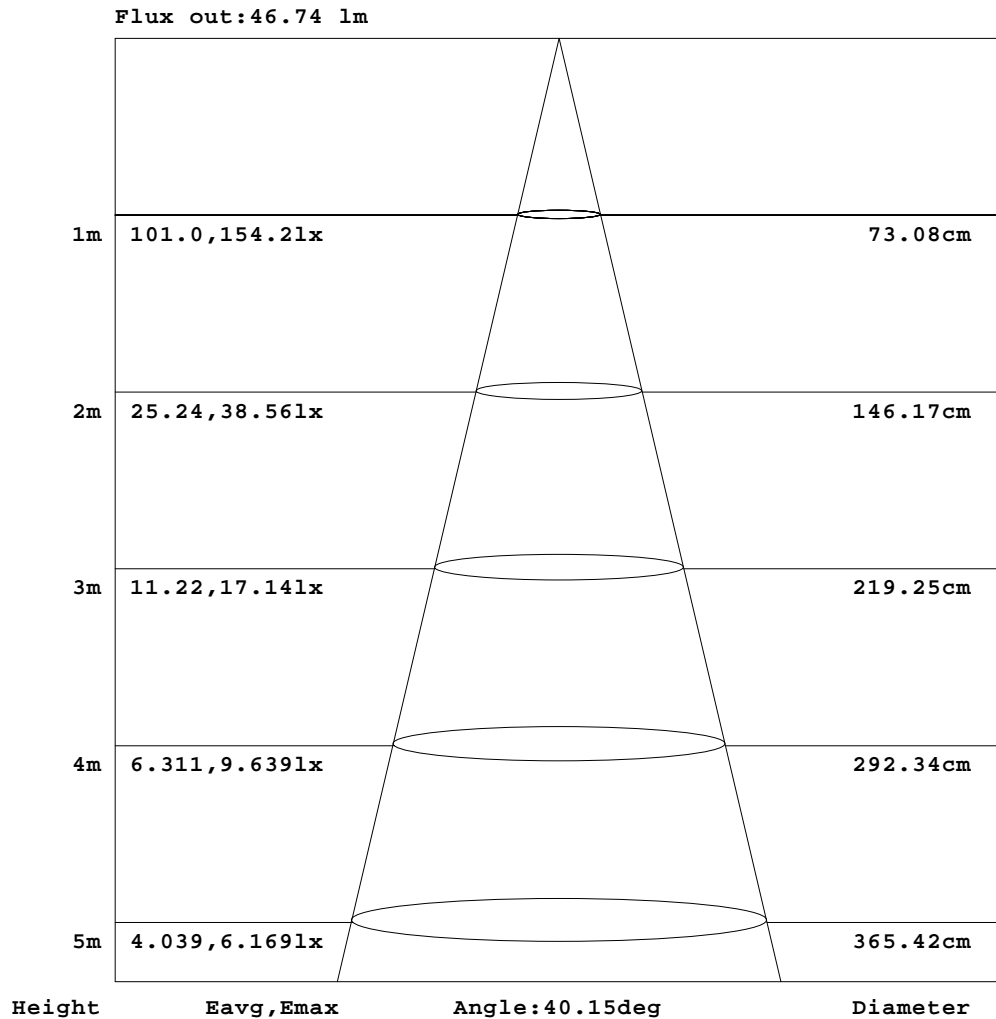


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AAI Figure

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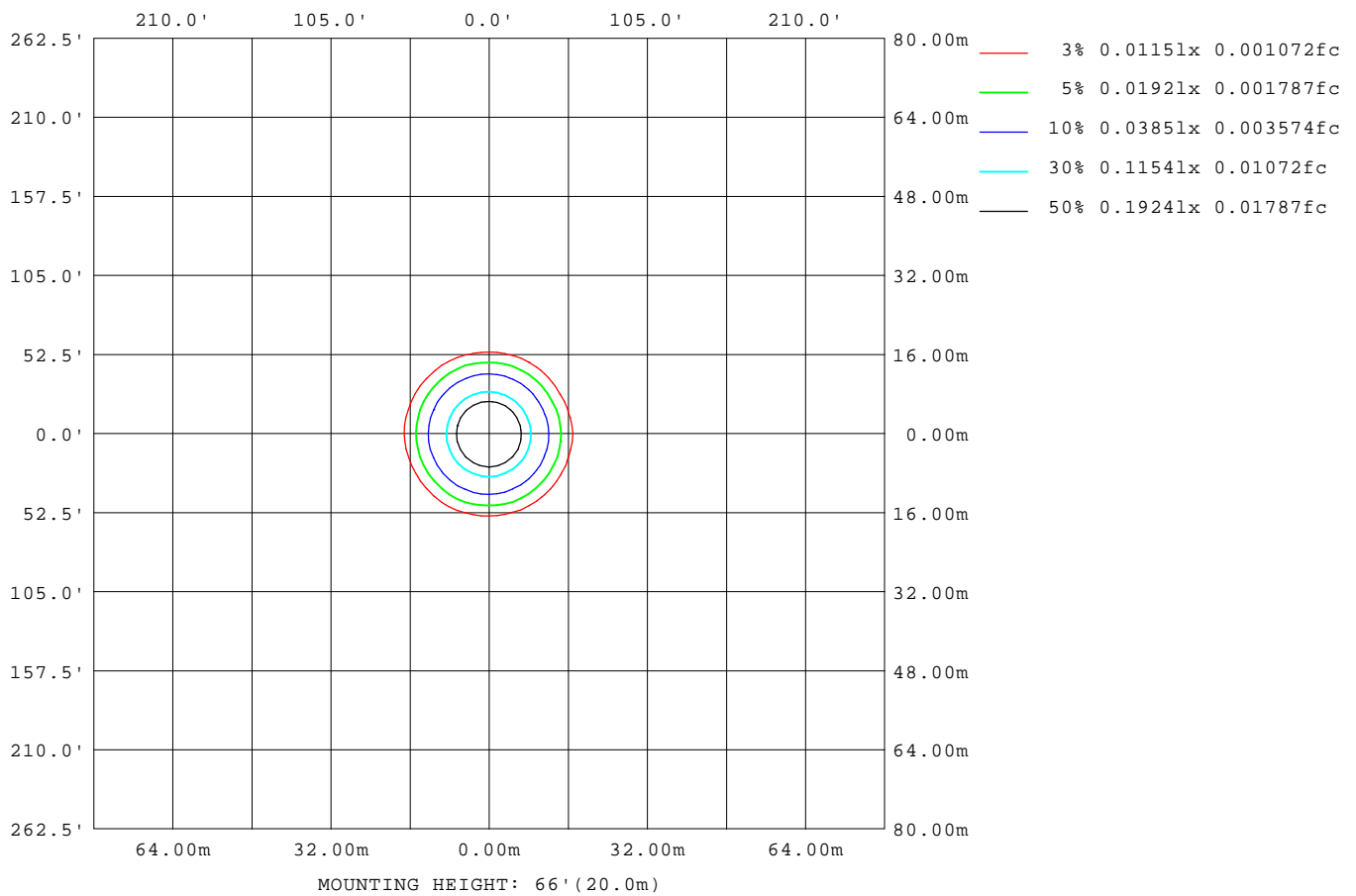
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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SPEC.: 3000K	DIM.:	SERIAL No.: 2405130536
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:



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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:BXRE-30G-11H-3A-00-0-0 Ra:90
LENS:LL01ZZ-DRT 25R
NO DRIVER:DC 24V
30minutes warm-up

LED Avg.L Report

Test:U:23.944V I:0.0510A P:1.2208W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130536
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

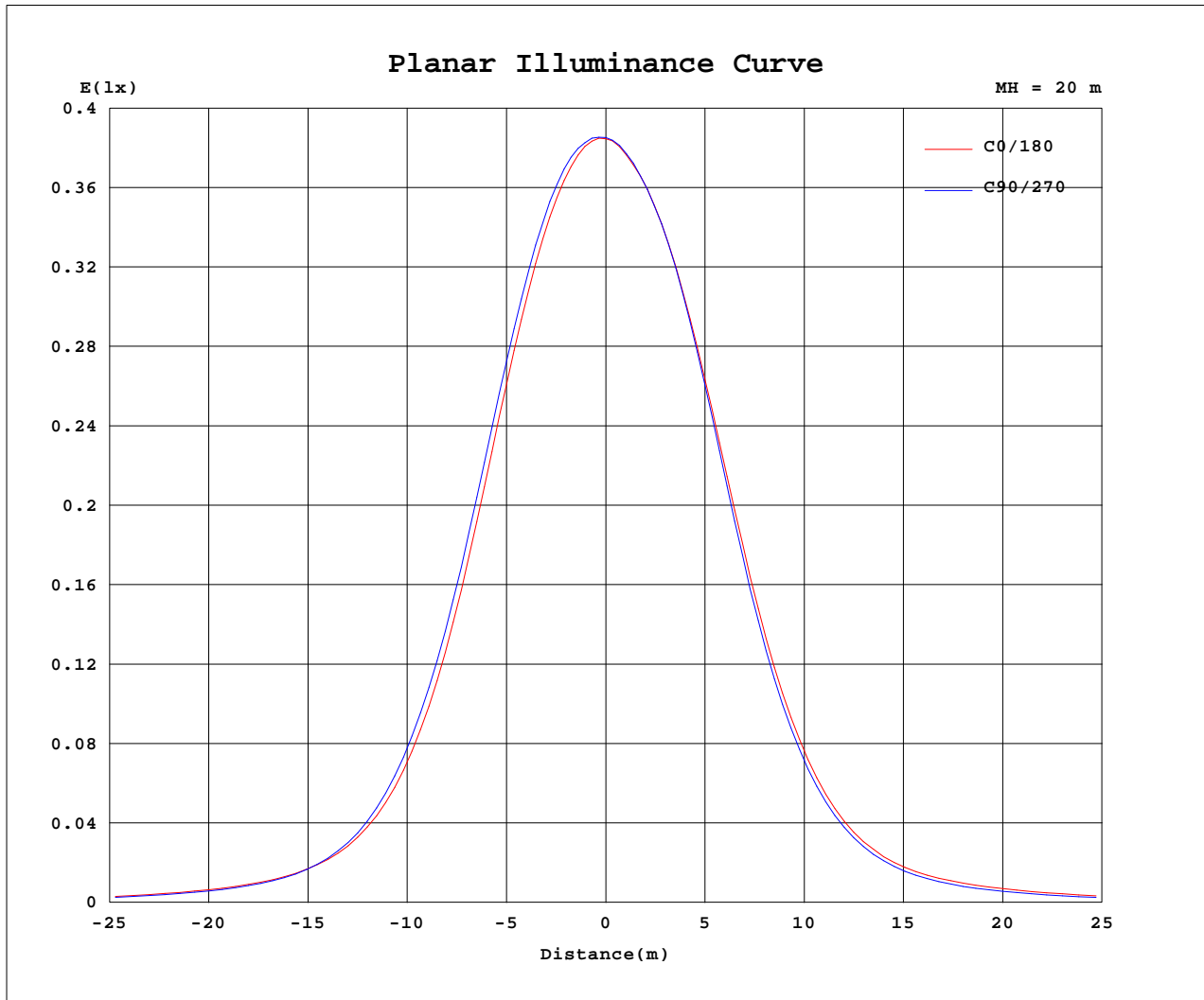
AvgL	cd/m2
L_0~180(65)av	52144
L_0~180(75)av	33732
L_0~180(85)av	18981
L_90~270(65)av	38632
L_90~270(75)av	24797
L_90~270(85)av	13459
L_45(65)av	62810
L_45(75)av	43699
L_45(85)av	24208

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-5-13

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:BXRE-30G-11H-3A-00-0-0 Ra:90
LENS:LL01ZZ-DRT 25R
NO DRIVER:DC 24V
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: 2024-5-13

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: BXRE-30G-11H-3A-00-0-0 Ra: 90
 LENS: LL01ZZ-DRT 25R
 NO DRIVER: DC 24V
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.944V I:0.0510A P:1.2208W PF:1.0000 Freq:0Hz Lamp Flux:114.769x1 lm		
NAME: 2417.201	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405130536
MFR.: RISE	SUR.: 0.0000785m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	154	154	154	154	154	154	154	154	154	154	154	154						
5	150	151	152	152	151	149	148	147	147	148	149	149						
10	135	137	138	139	137	135	134	133	133	134	134	133						
15	109	112	113	114	113	111	110	109	109	108	108	107						
20	76.0	79.1	80.8	81.5	81.6	80.6	79.2	78.4	78.0	76.1	75.6	74.9						
25	46.9	48.5	49.7	51.3	51.5	51.0	50.2	49.5	48.3	47.2	46.1	45.1						
30	27.0	27.7	28.4	29.3	29.7	29.4	29.2	28.6	27.9	27.0	26.5	25.7						
35	15.9	15.8	16.1	16.2	16.9	16.7	16.9	16.6	16.1	15.4	15.3	14.8						
40	10.3	9.99	9.94	9.82	10.4	10.3	11.0	10.6	10.0	9.47	9.63	9.43						
45	7.37	7.27	7.17	6.68	7.30	7.46	7.99	7.66	7.12	6.45	6.93	6.94						
50	5.39	5.55	5.43	4.71	5.41	5.66	5.89	5.78	5.28	4.51	5.23	5.34						
55	3.82	4.17	4.02	3.20	3.93	4.22	4.10	4.26	3.84	3.04	3.84	4.04						
60	2.61	3.01	2.88	2.10	2.77	3.05	2.71	3.04	2.74	1.96	2.74	2.96						
65	1.73	2.10	2.00	1.33	1.89	2.14	1.73	2.11	1.92	1.23	1.89	2.10						
70	1.12	1.41	1.34	0.85	1.25	1.45	1.09	1.42	1.31	0.78	1.27	1.43						
75	0.69	0.88	0.84	0.52	0.79	0.91	0.68	0.90	0.84	0.49	0.79	0.90						
80	0.37	0.46	0.45	0.29	0.43	0.50	0.38	0.48	0.45	0.26	0.41	0.47						
85	0.12	0.15	0.16	0.10	0.17	0.20	0.14	0.18	0.15	0.08	0.12	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
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
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