

Luminaire Photograph



Light Output Ratio:	75.4%	
Luminaire Power:	2.613 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.25	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-5-3

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-AF C10L06 10R
NO DRIVER: DC24V 700mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

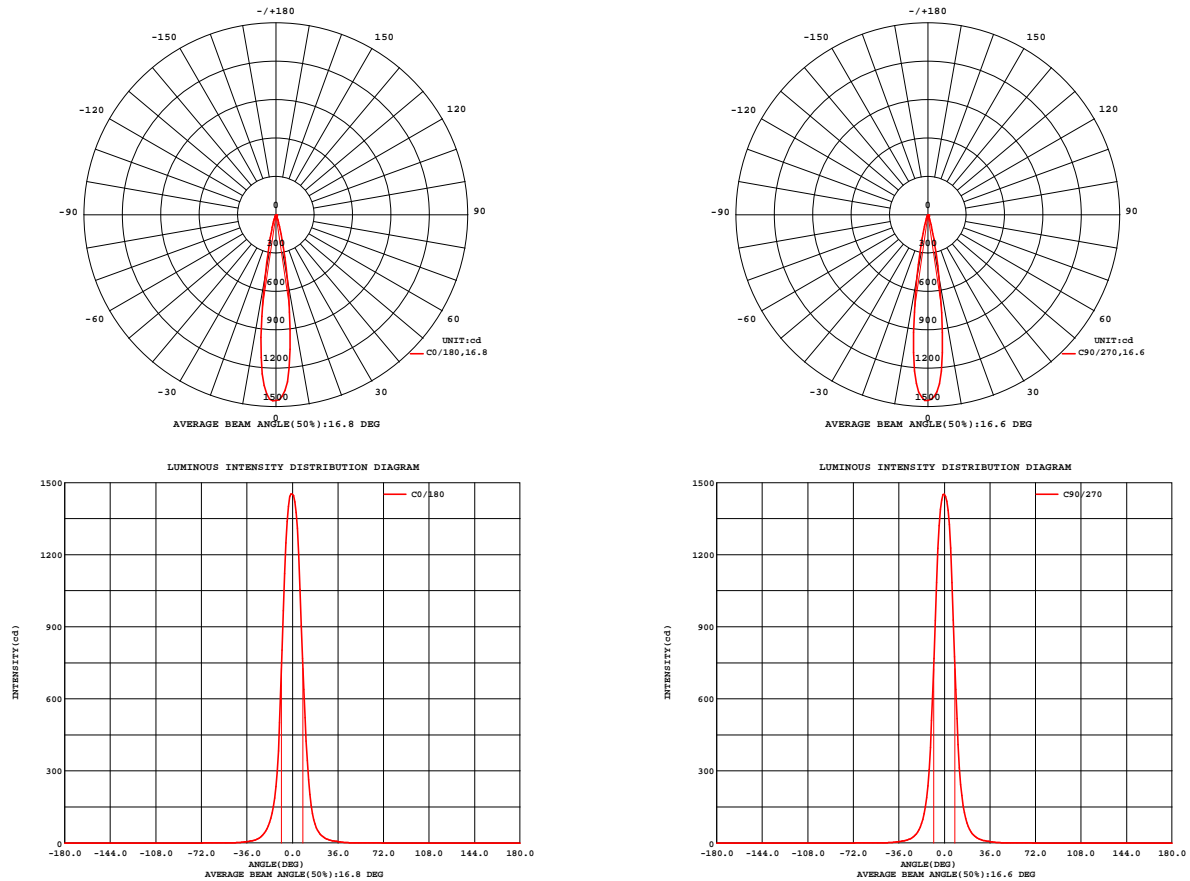


Fig. C0/C180

Fig. C90/C270

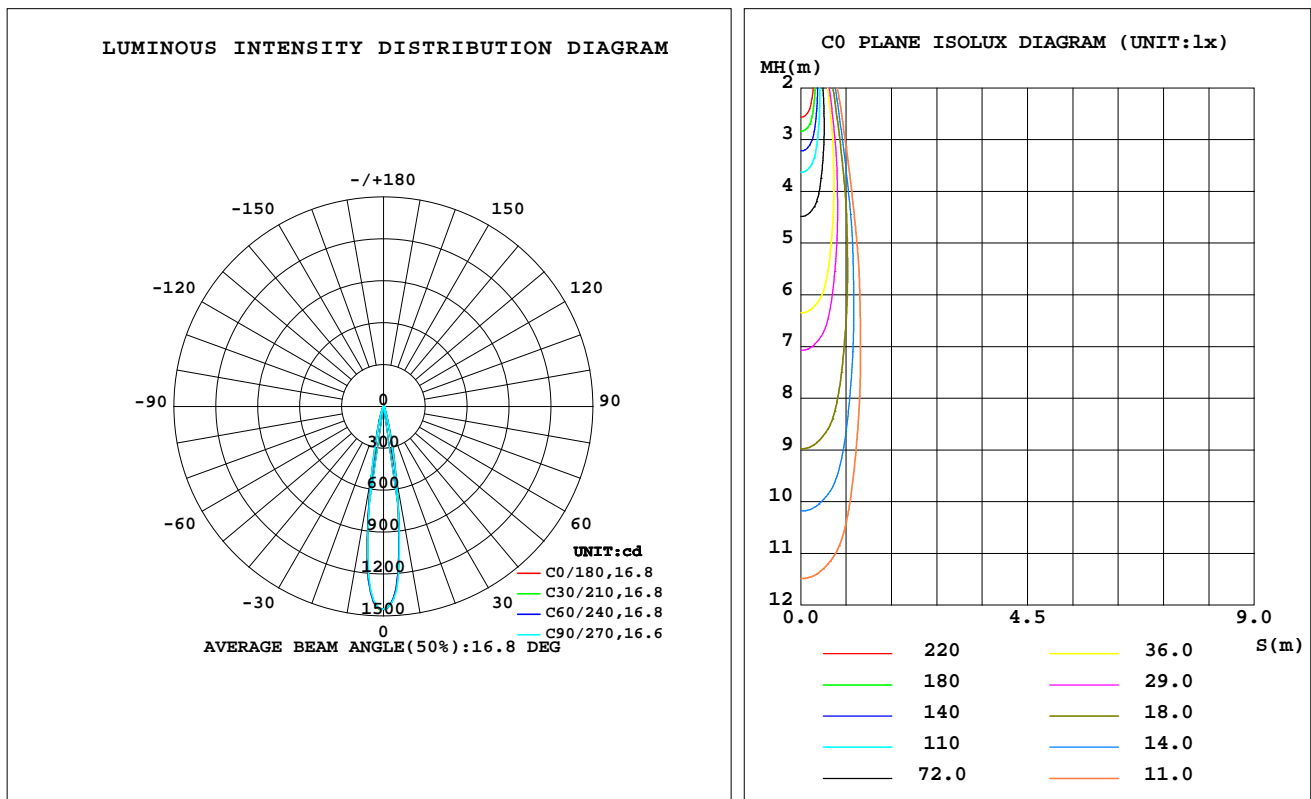
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NO DRIVER: DC24V 700mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.998V I:0.1089A P:2.6134W PF:1.0000 Freq:49.99Hz Lamp Flux:209.67x1 lm		
NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405030519
MFR.: RISE	SUR.: 0.000346185m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 60.47 lm/W			
MODEL	Brideglux	I _{max} (cd)	1456	S/MH(C0/180)	0.27
NOMINAL POWER(W)	2.6	LOR(%)	75.4	S/MH(C90/270)	0.28
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	158.04	η UP,DN(C0-180)	0.0,37.9
NOMINAL FLUX(lm)	209.67	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,37.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	η down(%)	75.4	CIBSE SHR MAX	0.25



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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	521.1	530.5	517.9	504.9	499.8	501.6	509.3	518.1	0- 10	91.13	91.13	57.7,43.5
20	52.74	54.59	57.02	58.89	59.63	56.91	54.71	52.17	10- 20	49.42	140.6	88.9,67
30	11.39	11.49	11.90	11.95	11.67	11.39	11.47	11.25	20- 30	11.88	152.4	96.5,72.7
40	2.995	2.982	3.012	3.060	2.867	2.872	2.910	2.991	30- 40	4.125	156.6	99.1,74.7
50	0.6143	0.5895	0.6178	0.6204	0.5699	0.5508	0.5702	0.6259	40- 50	1.078	157.6	99.7,75.2
60	0.1824	0.2107	0.2291	0.2230	0.2111	0.1871	0.1773	0.1750	50- 60	0.2989	157.9	99.9,75.3
70	0.0001	0.0001	0	0.0003	0.0003	0.0002	0.0000	0.0000	60- 70	0.1037	158.0	100,75.4
80	0	0	0	0	0	0	0	0	70- 80	0.0000	158.0	100,75.4
90	0	0	0	0	0	0	0	0	80- 90	0	158.0	100,75.4
100	0	0	0	0	0	0	0	0	90-100	0	158.0	100,75.4
110	0	0	0	0	0	0	0	0	100-110	0	158.0	100,75.4
120	0	0	0	0	0	0	0	0	110-120	0	158.0	100,75.4
130	0	0	0	0	0	0	0	0	120-130	0	158.0	100,75.4
140	0	0	0	0	0	0	0	0	130-140	0	158.0	100,75.4
150	0	0	0	0	0	0	0	0	140-150	0	158.0	100,75.4
160	0	0	0	0	0	0	0	0	150-160	0	158.0	100,75.4
170	0	0	0	0	0	0	0	0	160-170	0	158.0	100,75.4
180	0	0	0	0	0	0	0	0	170-180	0	158.0	100,75.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Operators:zoe
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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-AF C10L06 10R
NO DRIVER:DC24V 700mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.1089A P:2.6134W PF:1.0000 Freq:49.99Hz
Lamp Flux:209.67x1 lm

NAME: 2417.202

TYPE:

WEIGHT:

SPEC.: 3000K

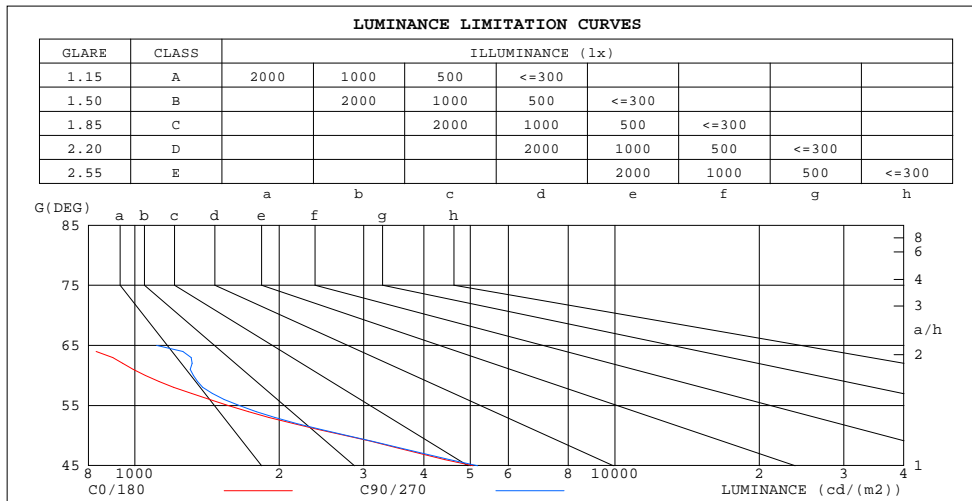
DIM.:

SERIAL No.: 2405030519

MFR.: RISE

SUR.: 0.000346185m2

Shielding Angle:



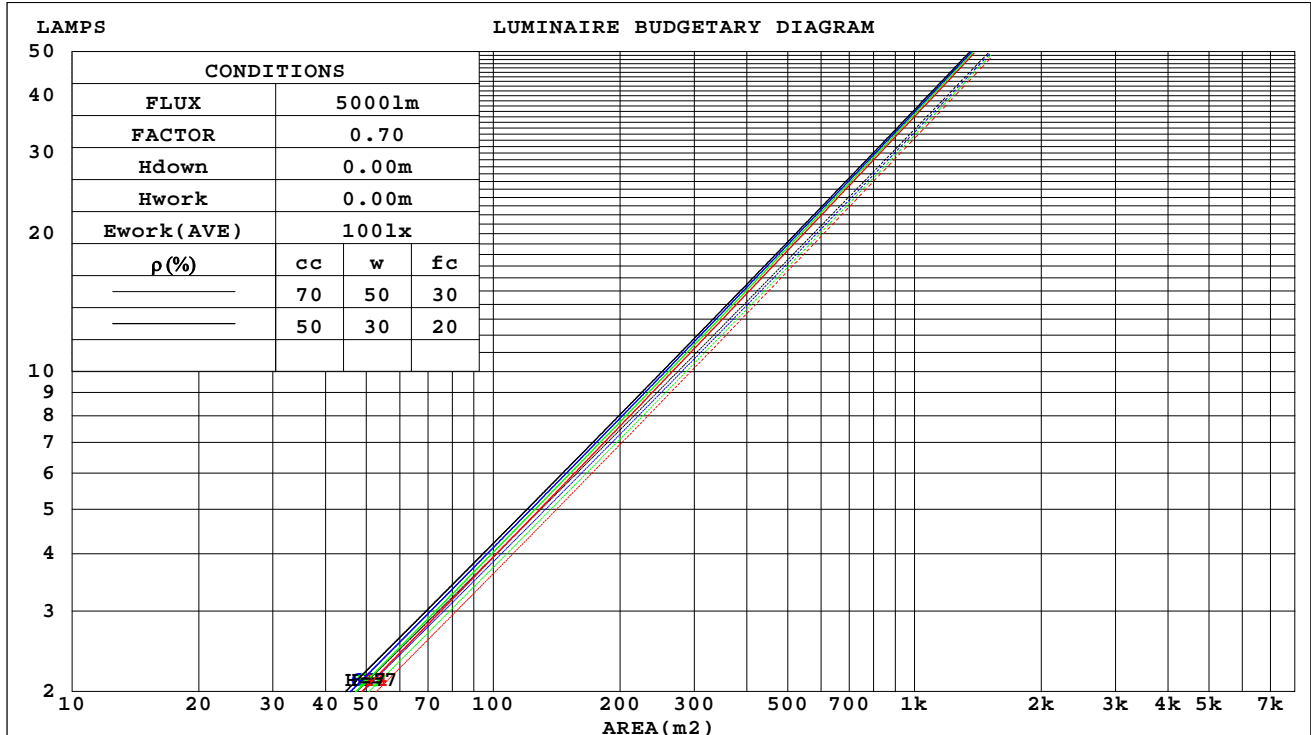
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.: 3000K	DIM.:	SERIAL No.: 2405030519
MFR.: RISE	SUR.: 0.000346185m2	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			Coefficients of Utilization(CU)												
0.0	.90	.90	.90	.88	.88	.88	.84	.84	.84	.80	.80	.80	.77	.77	.77	.75
1.0	.86	.84	.83	.84	.83	.82	.81	.80	.80	.78	.78	.77	.76	.75	.75	.74
2.0	.82	.80	.79	.81	.79	.78	.79	.78	.76	.77	.76	.75	.75	.74	.73	.72
3.0	.80	.77	.75	.79	.77	.75	.77	.75	.74	.75	.74	.73	.74	.73	.72	.71
4.0	.77	.75	.73	.77	.74	.72	.75	.73	.72	.74	.72	.71	.73	.71	.70	.69
5.0	.75	.73	.71	.75	.72	.70	.73	.71	.70	.72	.71	.69	.71	.70	.69	.68
6.0	.73	.71	.69	.73	.70	.69	.72	.70	.68	.71	.69	.68	.70	.69	.67	.67
7.0	.72	.69	.67	.71	.69	.67	.71	.68	.67	.70	.68	.67	.69	.68	.66	.66
8.0	.70	.68	.66	.70	.68	.66	.69	.67	.66	.69	.67	.65	.68	.66	.65	.65
9.0	.69	.66	.65	.69	.66	.65	.68	.66	.64	.68	.66	.64	.67	.65	.64	.64
10.0	.68	.65	.64	.67	.65	.64	.67	.65	.63	.67	.65	.63	.66	.64	.63	.63



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30minutes warm-up

WEC AND CCEC

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NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405030519
MFR.: RISE	SUR.: 0.000346185m2	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	.091	.052	.016	.086	.049	.016	.076	.044	.014	.068	.039	.013	.060	.035	.011	
2.0	.083	.045	.014	.079	.043	.013	.071	.040	.012	.064	.036	.011	.058	.033	.010	
3.0	.076	.041	.012	.073	.039	.012	.067	.036	.011	.061	.033	.010	.056	.031	.010	
4.0	.071	.037	.011	.068	.036	.011	.063	.033	.010	.058	.031	.009	.053	.029	.009	
5.0	.066	.034	.010	.064	.033	.010	.059	.031	.009	.055	.029	.009	.051	.027	.008	
6.0	.062	.031	.009	.060	.030	.009	.056	.029	.008	.053	.027	.008	.049	.026	.008	
7.0	.058	.029	.008	.057	.028	.008	.053	.027	.008	.050	.026	.008	.047	.025	.007	
8.0	.055	.027	.008	.054	.026	.007	.051	.025	.007	.048	.024	.007	.046	.023	.007	
9.0	.052	.025	.007	.051	.025	.007	.049	.024	.007	.046	.023	.007	.044	.022	.006	
10.0	.050	.024	.007	.049	.024	.007	.047	.023	.006	.044	.022	.006	.043	.021	.006	

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	.144	.144	.144	.123	.123	.123	.084	.084	.084	.048	.048	.048	.015	.015	.015	
1.0	.126	.119	.113	.108	.102	.097	.074	.070	.067	.042	.041	.039	.014	.013	.013	
2.0	.112	.100	.090	.096	.086	.078	.065	.060	.055	.038	.035	.032	.012	.011	.010	
3.0	.099	.085	.074	.085	.074	.064	.059	.051	.045	.034	.030	.027	.011	.010	.009	
4.0	.089	.074	.061	.077	.064	.053	.053	.044	.038	.031	.026	.022	.010	.008	.007	
5.0	.081	.064	.052	.069	.055	.045	.048	.039	.032	.028	.023	.019	.009	.007	.006	
6.0	.074	.056	.044	.063	.049	.038	.044	.034	.027	.025	.020	.016	.008	.007	.005	
7.0	.067	.050	.038	.058	.043	.033	.040	.030	.023	.023	.018	.014	.008	.006	.005	
8.0	.062	.045	.032	.054	.039	.028	.037	.027	.020	.022	.016	.012	.007	.005	.004	
9.0	.058	.040	.028	.050	.035	.025	.034	.024	.018	.020	.014	.010	.006	.005	.003	
10.0	.054	.036	.025	.046	.032	.022	.032	.022	.015	.019	.013	.009	.006	.004	.003	

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UGR(Unified Glare Rating) Table

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NAME: 2417.202					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2405030519		
MFR.: RISE					SUR.: 0.000346185m2			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	12.9	13.4	13.0	13.5	13.7	12.9	13.5	13.1	13.6	13.8
3H	12.7	13.2	13.0	13.4	13.6	12.8	13.3	13.0	13.5	13.7
4H	12.7	13.1	12.9	13.3	13.5	12.7	13.2	13.0	13.4	13.6
6H	12.6	13.0	12.8	13.3	13.5	12.7	13.1	12.9	13.3	13.6
8H	12.5	13.0	12.8	13.2	13.5	12.6	13.1	12.9	13.3	13.5
12H	12.5	12.9	12.8	13.2	13.4	12.6	13.0	12.9	13.3	13.5
4H 2H	12.7	13.2	12.9	13.4	13.6	12.8	13.2	13.0	13.4	13.7
3H	12.5	13.0	12.8	13.2	13.5	12.6	13.0	12.9	13.3	13.6
4H	12.4	12.8	12.8	13.1	13.4	12.5	12.9	12.8	13.2	13.5
6H	12.3	12.7	12.7	13.0	13.3	12.4	12.8	12.8	13.1	13.4
8H	12.3	12.6	12.6	12.9	13.3	12.4	12.7	12.7	13.0	13.4
12H	12.2	12.5	12.6	12.9	13.3	12.3	12.6	12.7	13.0	13.4
8H 4H	12.3	12.6	12.6	12.9	13.3	12.4	12.7	12.7	13.0	13.4
6H	12.1	12.4	12.6	12.8	13.2	12.2	12.5	12.7	12.9	13.3
8H	12.1	12.3	12.5	12.7	13.2	12.2	12.4	12.6	12.8	13.3
12H	12.0	12.2	12.5	12.7	13.1	12.1	12.3	12.6	12.8	13.2
12H 4H	12.2	12.5	12.6	12.9	13.3	12.3	12.6	12.7	13.0	13.4
6H	12.1	12.3	12.5	12.7	13.2	12.2	12.4	12.6	12.8	13.3
8H	12.0	12.2	12.5	12.7	13.1	12.1	12.3	12.6	12.8	13.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.4 / - 9.2					+ 3.4 / - 8.7				
1.5H	+ 5.6 / - 7.5					+ 5.6 / - 7.2				
2.0H	+ 5.2 / - 4.4					+ 5.2 / - 3.0				

CIE Pub.117, 209.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.4)
Area: 0.000346185 m2

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UTILIZATION FACTORS TABLE

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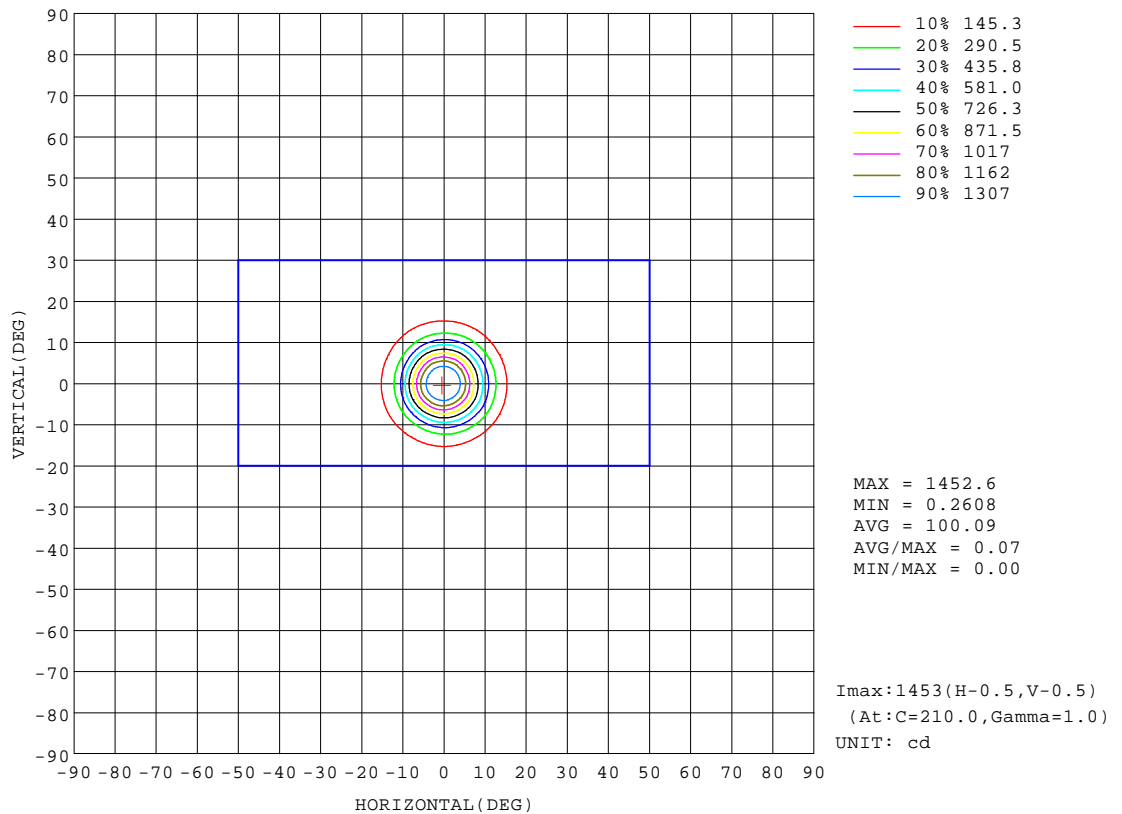
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	69	64	62	68	64	62	68	64	62	59
0.80	74	70	67	73	70	67	73	69	67	65
1.00	77	73	70	76	73	70	75	72	70	67
1.25	79	76	74	79	75	73	77	75	73	70
1.50	81	78	76	80	77	75	79	76	75	71
2.00	83	80	78	82	79	77	80	78	76	72
2.50	84	81	79	83	80	79	80	79	77	73
3.00	85	83	81	84	82	80	81	80	78	74
4.00	86	84	83	85	83	82	82	81	80	75
5.00	87	86	85	86	84	83	83	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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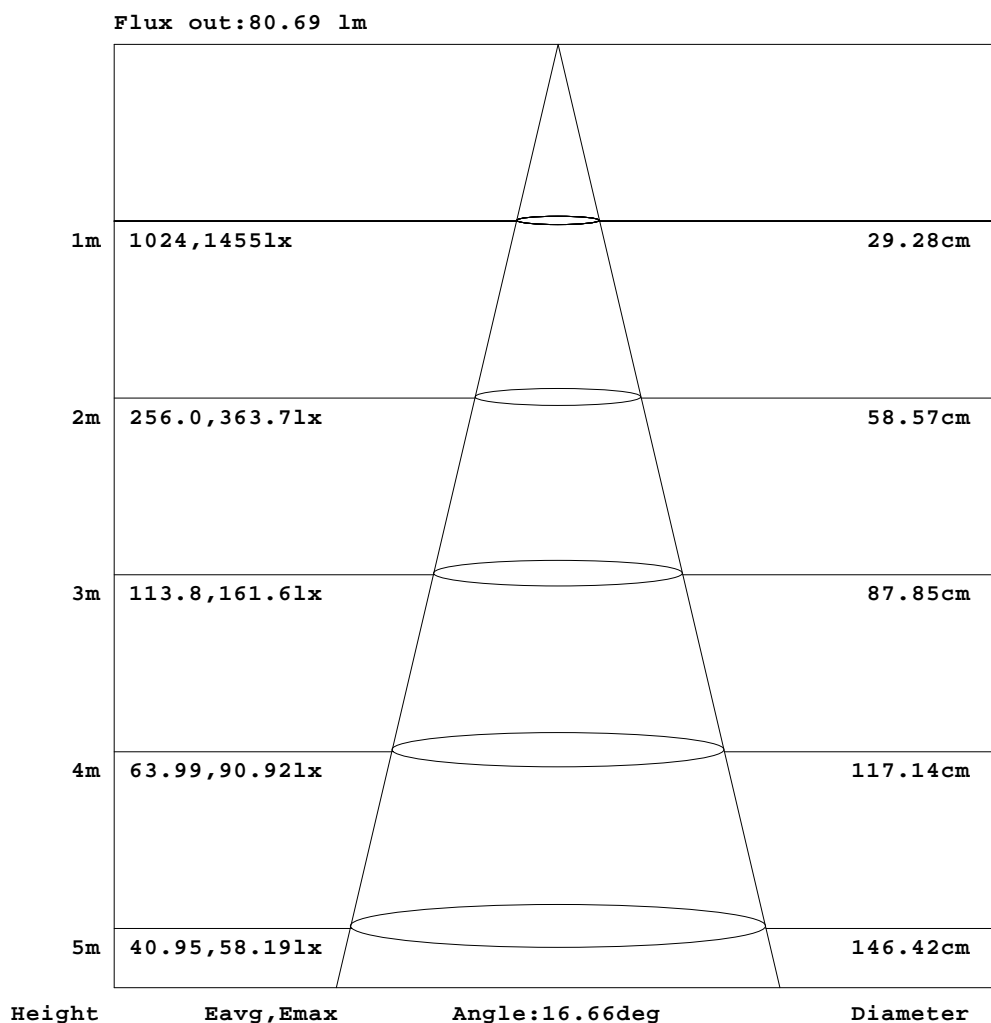


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AAI Figure

Test:U:23.998V I:0.1089A P:2.6134W PF:1.0000 Freq:49.99Hz Lamp Flux:209.67x1 lm		
NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405030519
MFR.: RISE	SUR.: 0.000346185m2	Shielding Angle:



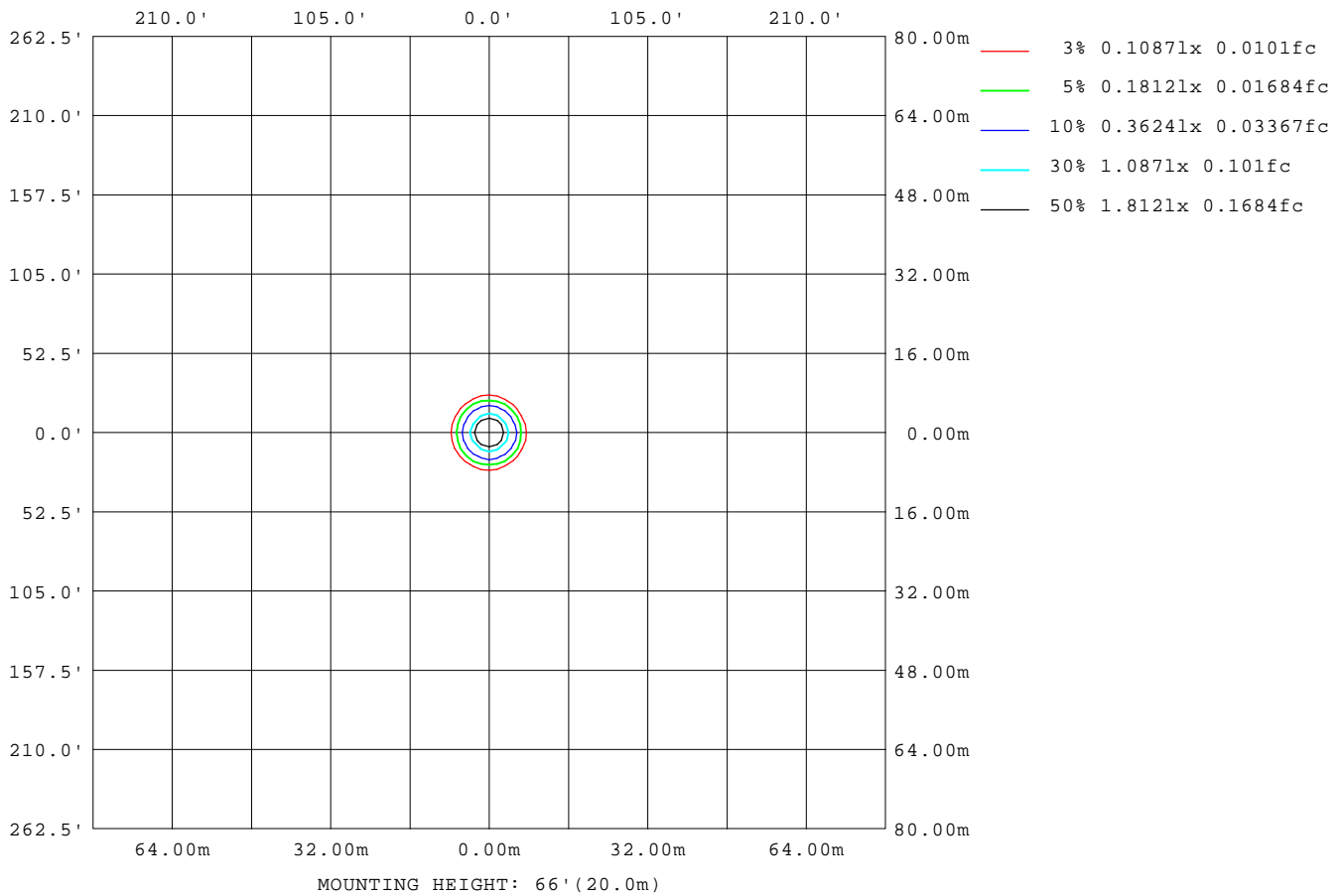
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-5-3

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-AF C10L06 10R
NO DRIVER:DC24V 700mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:23.998V I:0.1089A P:2.6134W PF:1.0000 Freq:49.99Hz Lamp Flux:209.67x1 lm		
NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405030519
MFR.: RISE	SUR.: 0.000346185m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-5-3

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-AF C10L06 10R
NO DRIVER: DC24V 700mA
30minutes warm-up

LED Avg.L Report

Test:U:23.998V I:0.1089A P:2.6134W PF:1.0000 Freq:49.99Hz Lamp Flux:209.67x1 lm		
NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405030519
MFR.: RISE	SUR.: 0.000346185m2	Shielding Angle:

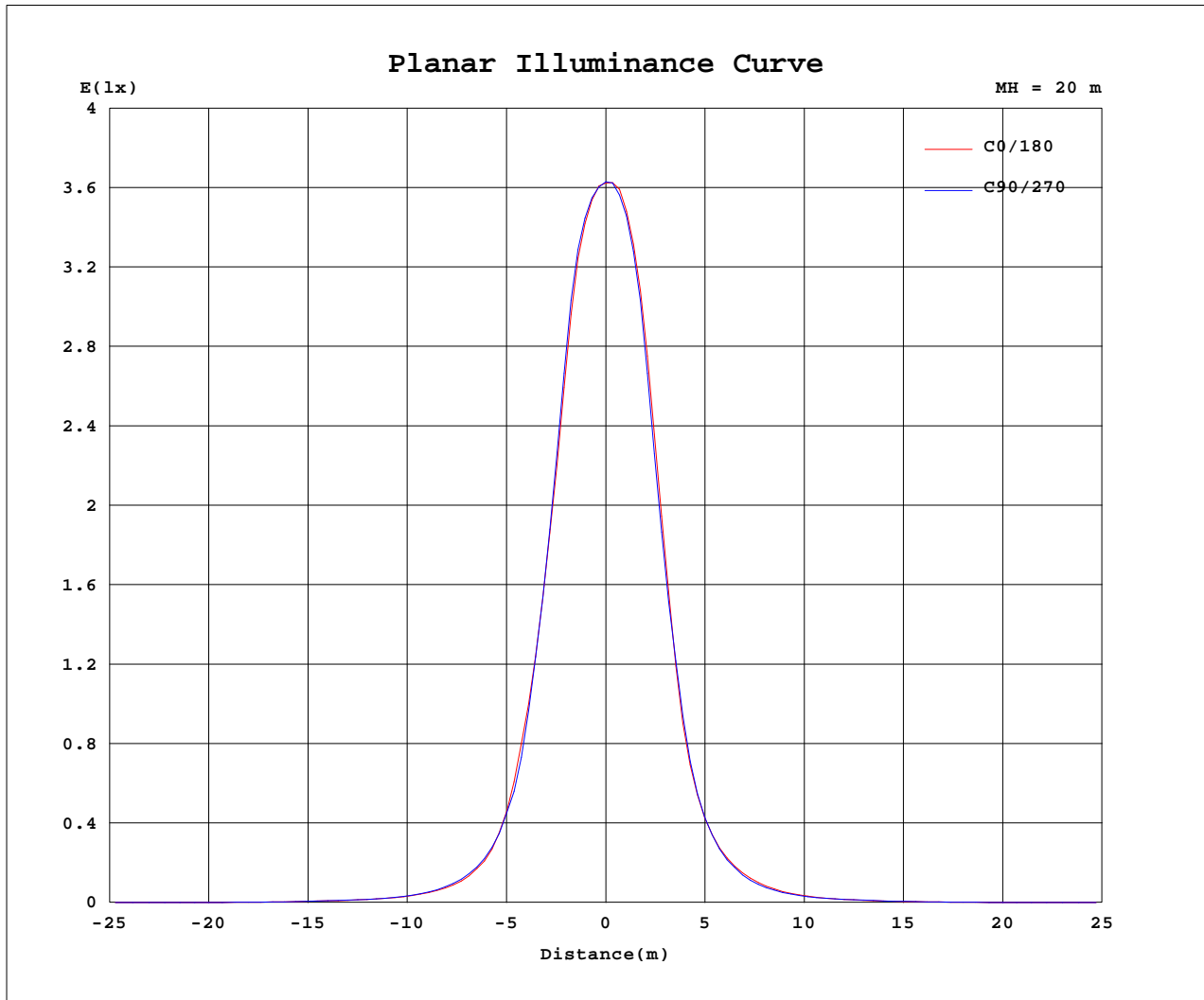
AvgL	cd/m2
L_0~180(65)av	832
L_0~180(75)av	0
L_0~180(85)av	0
L_90~270(65)av	949
L_90~270(75)av	0
L_90~270(85)av	0
L_45(65)av	883
L_45(75)av	0
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-5-3

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-AF C10L06 10R
NO DRIVER:DC24V 700mA
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: 2024-5-3

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-AF C10L06 10R
 NO DRIVER: DC24V 700mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:0.1089A P:2.6134W PF:1.0000 Freq:49.99Hz Lamp Flux:209.67x1 lm		
NAME: 2417.202	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2405030519
MFR.: RISE	SUR.: 0.000346185m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452	1452						
5	1200	1213	1208	1227	1231	1245	1249	1237	1242	1226	1223	1201						
10	521	538	523	518	504	506	500	491	512	509	521	515						
15	157	160	154	154	151	154	152	151	153	151	152	150						
20	52.7	54.3	54.8	57.0	58.1	59.7	59.6	57.2	56.6	54.7	53.0	51.3						
25	23.0	23.5	23.6	24.2	24.5	25.3	24.9	24.0	23.5	23.1	22.6	22.4						
30	11.4	11.5	11.5	11.9	11.8	12.1	11.7	11.4	11.4	11.5	11.3	11.2						
35	6.68	6.72	6.65	6.69	6.80	6.79	6.52	6.41	6.53	6.65	6.62	6.63						
40	2.99	3.02	2.95	3.01	3.07	3.05	2.87	2.84	2.90	2.91	3.00	2.98						
45	1.24	1.24	1.18	1.27	1.23	1.26	1.15	1.15	1.14	1.15	1.24	1.26						
50	0.61	0.60	0.58	0.62	0.62	0.63	0.57	0.56	0.54	0.57	0.61	0.64						
55	0.31	0.30	0.31	0.33	0.33	0.33	0.31	0.29	0.27	0.29	0.30	0.32						
60	0.18	0.20	0.22	0.23	0.23	0.22	0.21	0.19	0.18	0.18	0.17	0.18						
65	0.11	0.14	0.15	0.16	0.15	0.14	0.14	0.12	0.12	0.12	0.11	0.11						
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
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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