

Luminaire Photograph



Light Output Ratio:	48.2%	
Luminaire Power:	13.67 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-8-10

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-30G1000-A-83 Ra:90
LENS: PM-1082 15R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

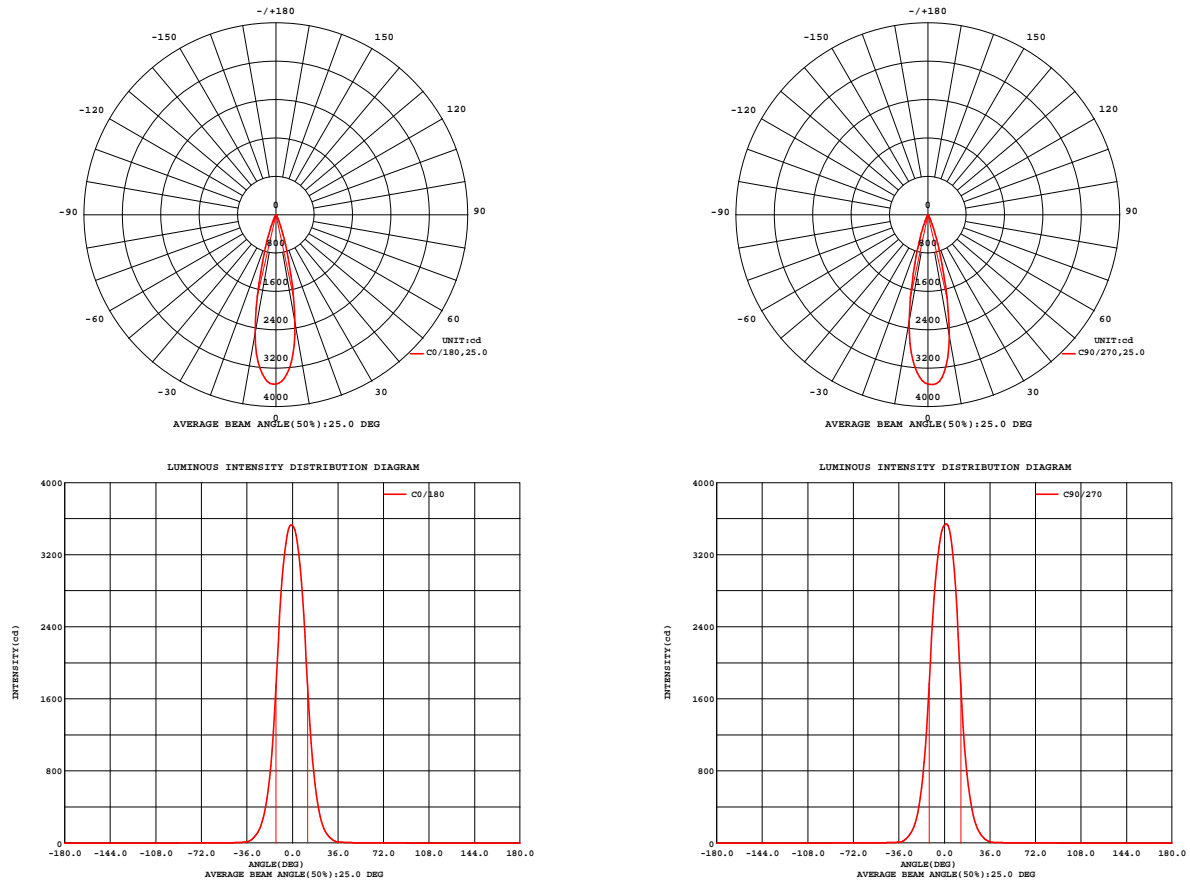


Fig. C0/C180

Fig. C90/C270

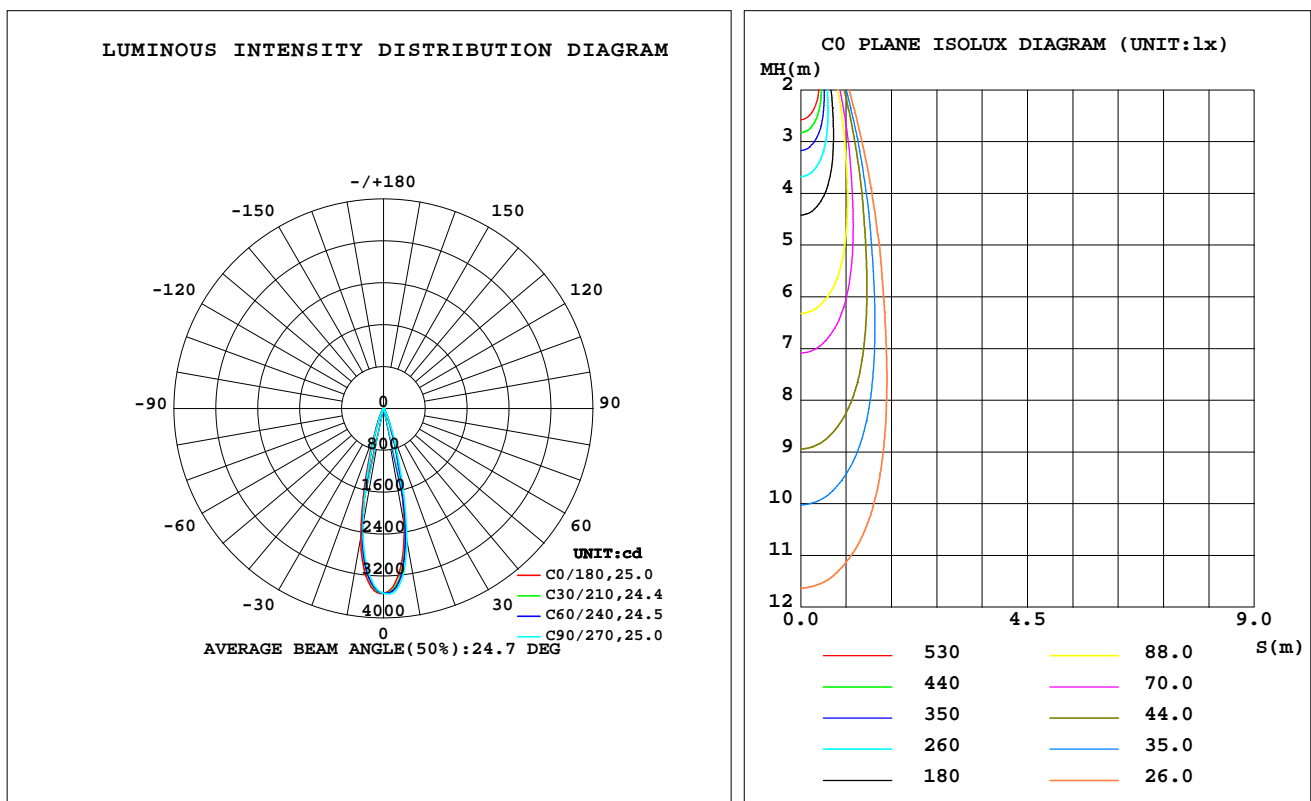
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-10

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-30G1000-A-83 Ra:90
LENS:PM-1082 15R
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30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.19V I:0.0639A P:13.675W PF:0.9688 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.105-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408101110
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 52.54 lm/W			
MODEL	Bridgelux	I _{max} (cd)	3552	S/MH(C0/180)	0.41
NOMINAL POWER(W)	14	LOR(%)	48.2	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	718.49	η UP,DN(C0-180)	0.0,25.2
NOMINAL FLUX(lm)	1490.38	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,23.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	48.2	CIBSE SHR MAX	0.30



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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-30G1000-A-83 Ra:90
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30minutes warm-up

ZONAL FLUX DIAGRAM

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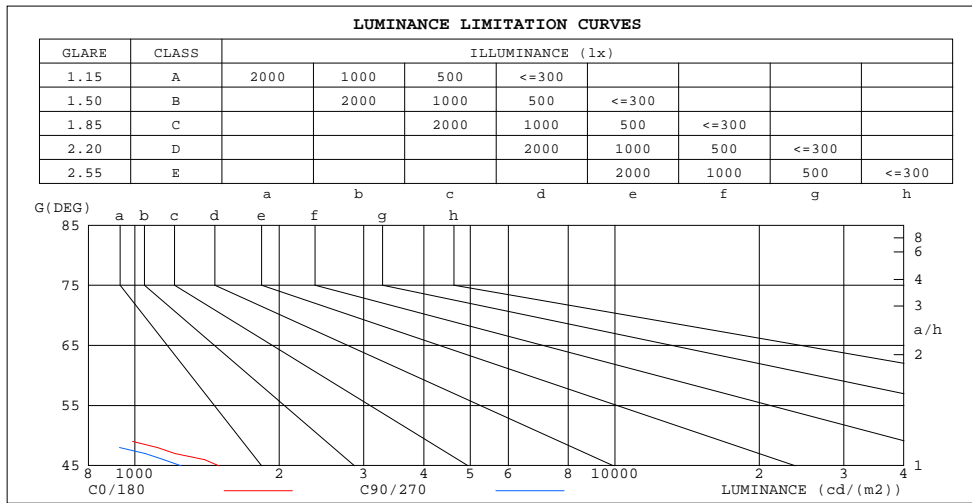
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2288	2401	2577	2602	2515	2331	2273	2145	0- 10	285.2	285.2	39.7,19.1
20	445.4	463.8	537.4	504.7	495.4	428.9	410.5	384.4	10- 20	320.8	606.0	84.3,40.7
30	55.45	78.36	72.82	86.04	65.80	69.78	48.00	60.32	20- 30	91.23	697.2	97,46.8
40	7.287	8.284	6.441	9.191	6.609	7.099	6.071	6.386	30- 40	16.57	713.8	99.3,47.9
50	2.119	2.481	1.846	2.374	2.013	2.493	1.436	2.389	40- 50	3.344	717.1	99.8,48.1
60	0.8713	0.5182	0.2925	0.3549	0.6648	0.6874	0.5797	0.7413	50- 60	0.9697	718.1	99.9,48.2
70	0.0907	0.1324	0.1588	0.1450	0.1137	0.1166	0.0448	0.1183	60- 70	0.3318	718.4	100,48.2
80	0.0479	0.0337	0.0403	0.0373	0.0401	0.0250	0.0338	0.0283	70- 80	0.0600	718.5	100,48.2
90	0	0	0	0	0	0	0	0	80- 90	0.0265	718.5	100,48.2
100	0	0	0	0	0	0	0	0	90-100	0	718.5	100,48.2
110	0	0	0	0	0	0	0	0	100-110	0	718.5	100,48.2
120	0	0	0	0	0	0	0	0	110-120	0	718.5	100,48.2
130	0	0	0	0	0	0	0	0	120-130	0	718.5	100,48.2
140	0	0	0	0	0	0	0	0	130-140	0	718.5	100,48.2
150	0	0	0	0	0	0	0	0	140-150	0	718.5	100,48.2
160	0	0	0	0	0	0	0	0	150-160	0	718.5	100,48.2
170	0	0	0	0	0	0	0	0	160-170	0	718.5	100,48.2
180	0	0	0	0	0	0	0	0	170-180	0	718.5	100,48.2
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G1000-A-83 Ra:90
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30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.19V I:0.0639A P:13.675W PF:0.9688 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.105-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408101110
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	81	88
80	59	50
75	46	41
70	57	100
65	193	123
60	376	127
55	479	128
50	712	621
45	1496	1248

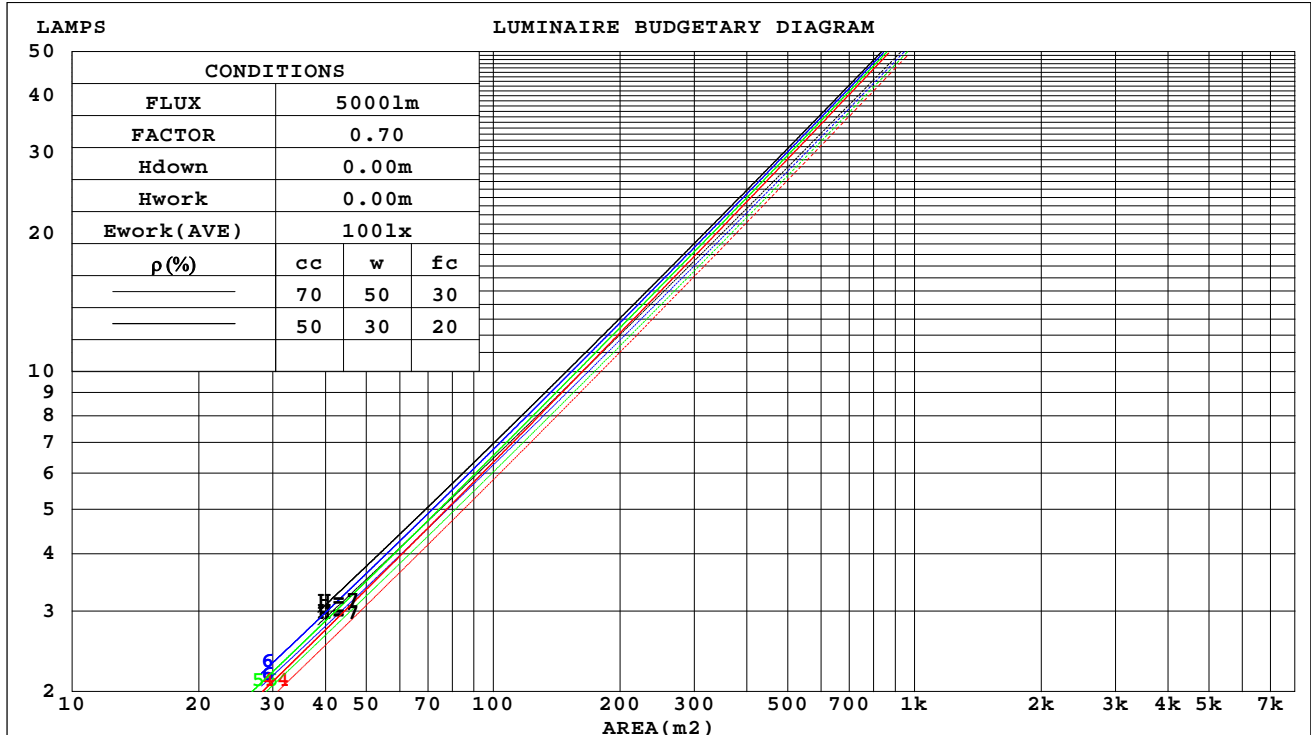
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 30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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MFR.: RISE	SUR.: 0.004624m2	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	.57	.57	.57	.56	.56	.56	.54	.54	.54	.51	.51	.51	.49	.49	.49	.48
1.0	.55	.54	.53	.54	.53	.52	.52	.51	.50	.50	.49	.49	.48	.48	.48	.47
2.0	.52	.51	.50	.51	.50	.49	.50	.49	.48	.49	.48	.47	.47	.47	.46	.45
3.0	.50	.48	.47	.49	.48	.47	.48	.47	.46	.47	.46	.45	.46	.45	.45	.44
4.0	.48	.47	.45	.48	.46	.45	.47	.45	.44	.46	.45	.44	.45	.44	.43	.43
5.0	.47	.45	.43	.46	.45	.43	.46	.44	.43	.45	.44	.43	.44	.43	.42	.42
6.0	.45	.43	.42	.45	.43	.42	.44	.43	.42	.44	.42	.41	.43	.42	.41	.41
7.0	.44	.42	.41	.44	.42	.41	.43	.42	.40	.43	.41	.40	.42	.41	.40	.40
8.0	.43	.41	.40	.42	.41	.39	.42	.40	.39	.42	.40	.39	.41	.40	.39	.39
9.0	.42	.40	.38	.41	.40	.38	.41	.39	.38	.41	.39	.38	.40	.39	.38	.38
10.0	.41	.39	.38	.40	.39	.37	.40	.38	.37	.40	.38	.37	.39	.38	.37	.37



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30minutes warm-up

WEC AND CCEC

Test:U:220.19V I:0.0639A P:13.675W PF:0.9688 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.105-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408101110
MFR.: RISE	SUR.: 0.004624m2	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	.063	.036	.011	.060	.034	.011	.054	.031	.010	.049	.028	.009	.044	.025	.008	
2.0	.058	.032	.010	.056	.031	.009	.051	.028	.009	.046	.026	.008	.042	.024	.008	
3.0	.054	.029	.009	.052	.028	.008	.048	.026	.008	.044	.024	.007	.041	.023	.007	
4.0	.051	.026	.008	.049	.026	.008	.045	.024	.007	.042	.023	.007	.039	.021	.007	
5.0	.048	.024	.007	.046	.024	.007	.043	.022	.007	.040	.021	.006	.038	.020	.006	
6.0	.045	.023	.006	.044	.022	.006	.041	.021	.006	.039	.020	.006	.037	.019	.006	
7.0	.043	.021	.006	.042	.021	.006	.039	.020	.006	.037	.019	.006	.035	.018	.005	
8.0	.041	.020	.006	.040	.020	.006	.038	.019	.005	.036	.018	.005	.034	.018	.005	
9.0	.039	.019	.005	.038	.018	.005	.036	.018	.005	.035	.017	.005	.033	.017	.005	
10.0	.037	.018	.005	.036	.018	.005	.035	.017	.005	.034	.017	.005	.032	.016	.005	

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	.092	.092	.092	.078	.078	.078	.054	.054	.054	.031	.031	.031	.010	.010	.010		
1.0	.081	.076	.072	.069	.065	.062	.047	.045	.043	.027	.026	.025	.009	.008	.008		
2.0	.072	.064	.057	.062	.055	.049	.042	.038	.034	.024	.022	.020	.008	.007	.007		
3.0	.065	.055	.047	.055	.047	.040	.038	.033	.028	.022	.019	.017	.007	.006	.005		
4.0	.058	.047	.038	.050	.041	.033	.035	.028	.024	.020	.017	.014	.006	.005	.005		
5.0	.053	.041	.032	.046	.036	.028	.032	.025	.020	.018	.015	.012	.006	.005	.004		
6.0	.049	.036	.027	.042	.031	.024	.029	.022	.017	.017	.013	.010	.005	.004	.003		
7.0	.045	.032	.023	.039	.028	.020	.027	.020	.014	.016	.012	.009	.005	.004	.003		
8.0	.042	.029	.020	.036	.025	.017	.025	.018	.012	.015	.010	.007	.005	.003	.002		
9.0	.039	.026	.017	.034	.023	.015	.023	.016	.011	.014	.009	.006	.004	.003	.002		
10.0	.037	.024	.015	.032	.021	.013	.022	.015	.010	.013	.009	.006	.004	.003	.002		

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UGR(Unified Glare Rating) Table

Test:U:220.19V I:0.0639A P:13.675W PF:0.9688 Freq:49.99Hz Lamp Flux:1490.38x1 lm										
NAME: 2418.105-ACOT-70					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2408101110		
MFR.: RISE					SUR.: 0.004624m2			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	1.1	1.7	1.3	1.9	2.0	1.8	2.4	2.0	2.5	2.7
3H	1.0	1.6	1.2	1.8	1.9	1.7	2.2	1.9	2.4	2.6
4H	0.9	1.5	1.2	1.7	1.9	1.6	2.1	1.8	2.3	2.5
6H	0.8	1.4	1.1	1.6	1.8	1.5	2.0	1.8	2.2	2.5
8H	0.8	1.3	1.1	1.5	1.8	1.4	1.9	1.7	2.2	2.4
12H	0.8	1.2	1.1	1.5	1.8	1.4	1.9	1.7	2.1	2.4
4H 2H	0.9	1.5	1.2	1.7	1.9	1.6	2.1	1.8	2.3	2.5
3H	0.8	1.3	1.1	1.5	1.8	1.4	1.9	1.7	2.2	2.4
4H	0.7	1.1	1.0	1.4	1.7	1.3	1.8	1.7	2.1	2.4
6H	0.6	1.0	0.9	1.3	1.6	1.2	1.6	1.6	1.9	2.3
8H	0.5	0.9	0.9	1.2	1.6	1.2	1.5	1.6	1.9	2.2
12H	0.5	0.8	0.9	1.2	1.6	1.1	1.5	1.5	1.8	2.2
8H 4H	0.5	0.9	0.9	1.2	1.6	1.2	1.5	1.6	1.9	2.2
6H	0.4	0.7	0.8	1.1	1.5	1.1	1.4	1.5	1.8	2.2
8H	0.4	0.6	0.8	1.0	1.5	1.0	1.3	1.4	1.7	2.1
12H	0.3	0.5	0.8	1.0	1.4	0.9	1.2	1.4	1.6	2.1
12H 4H	0.5	0.8	0.9	1.2	1.6	1.1	1.5	1.5	1.8	2.2
6H	0.4	0.6	0.8	1.0	1.5	1.0	1.3	1.4	1.7	2.1
8H	0.3	0.5	0.8	1.0	1.4	0.9	1.2	1.4	1.6	2.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.8 / - 6.1					+ 2.9 / -10.3				
1.5H	+ 3.9 / - 6.2					+ 4.2 / - 8.9				
2.0H	+ 5.1 / - 4.9					+ 5.8 / - 7.6				

CIE Pub.117, 1490 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)
Area: 0.004624 m2

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UTILIZATION FACTORS TABLE

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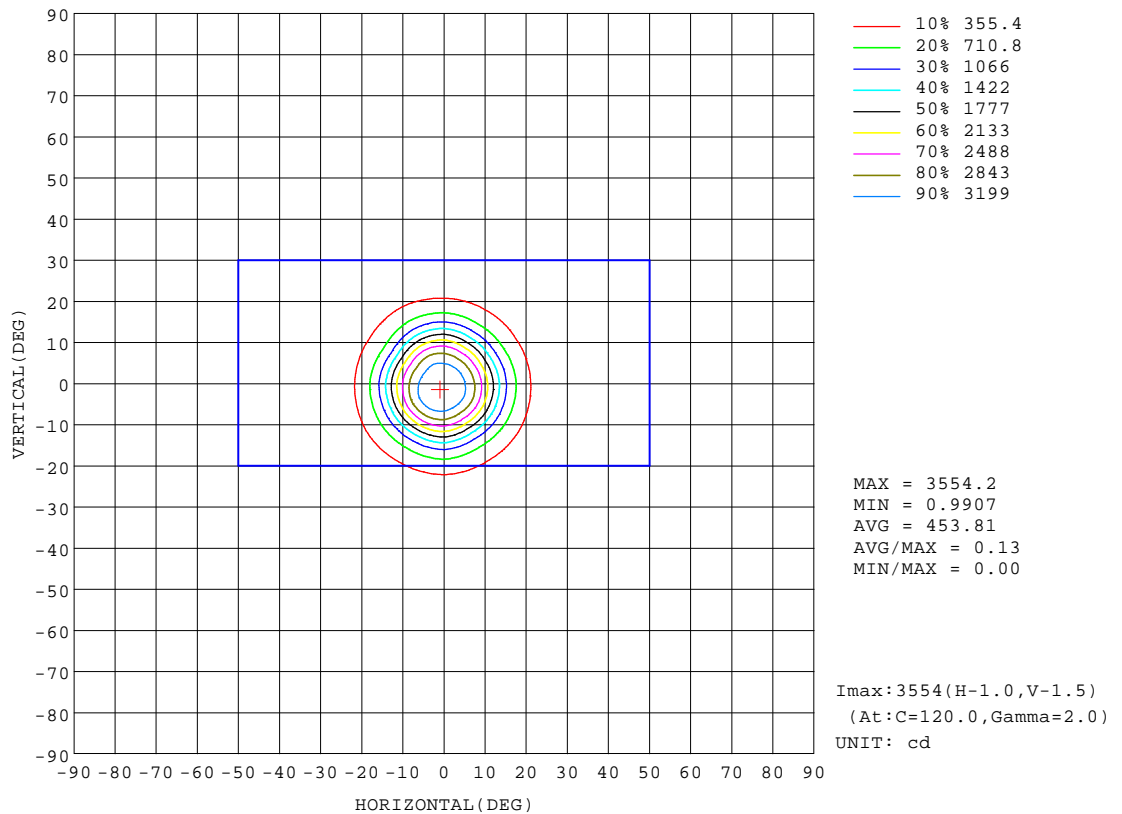
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	44	41	40	44	41	40	43	41	39	38
0.80	47	45	43	47	45	43	46	44	43	41
1.00	49	47	45	49	46	45	48	46	45	43
1.25	51	49	47	50	48	47	49	48	47	45
1.50	52	50	49	51	50	48	50	49	48	46
2.00	53	51	50	52	51	49	51	50	49	46
2.50	54	52	51	53	51	50	51	50	49	47
3.00	54	53	52	53	52	51	52	51	50	47
4.00	55	54	53	54	53	52	53	52	51	48
5.00	56	55	54	55	54	53	53	52	52	48
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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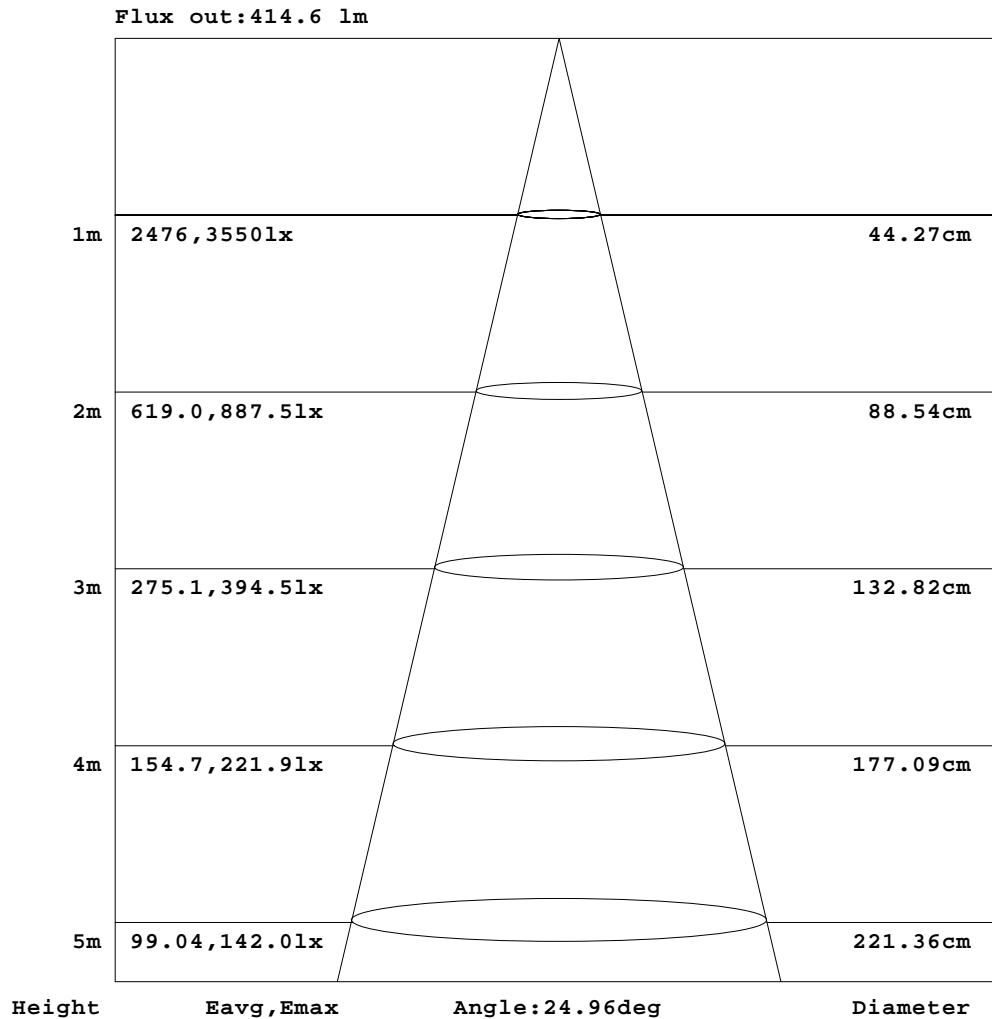


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LENS:PM-1082 15R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

AAI Figure

Test:U:220.19V I:0.0639A P:13.675W PF:0.9688 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.105-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408101110
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:



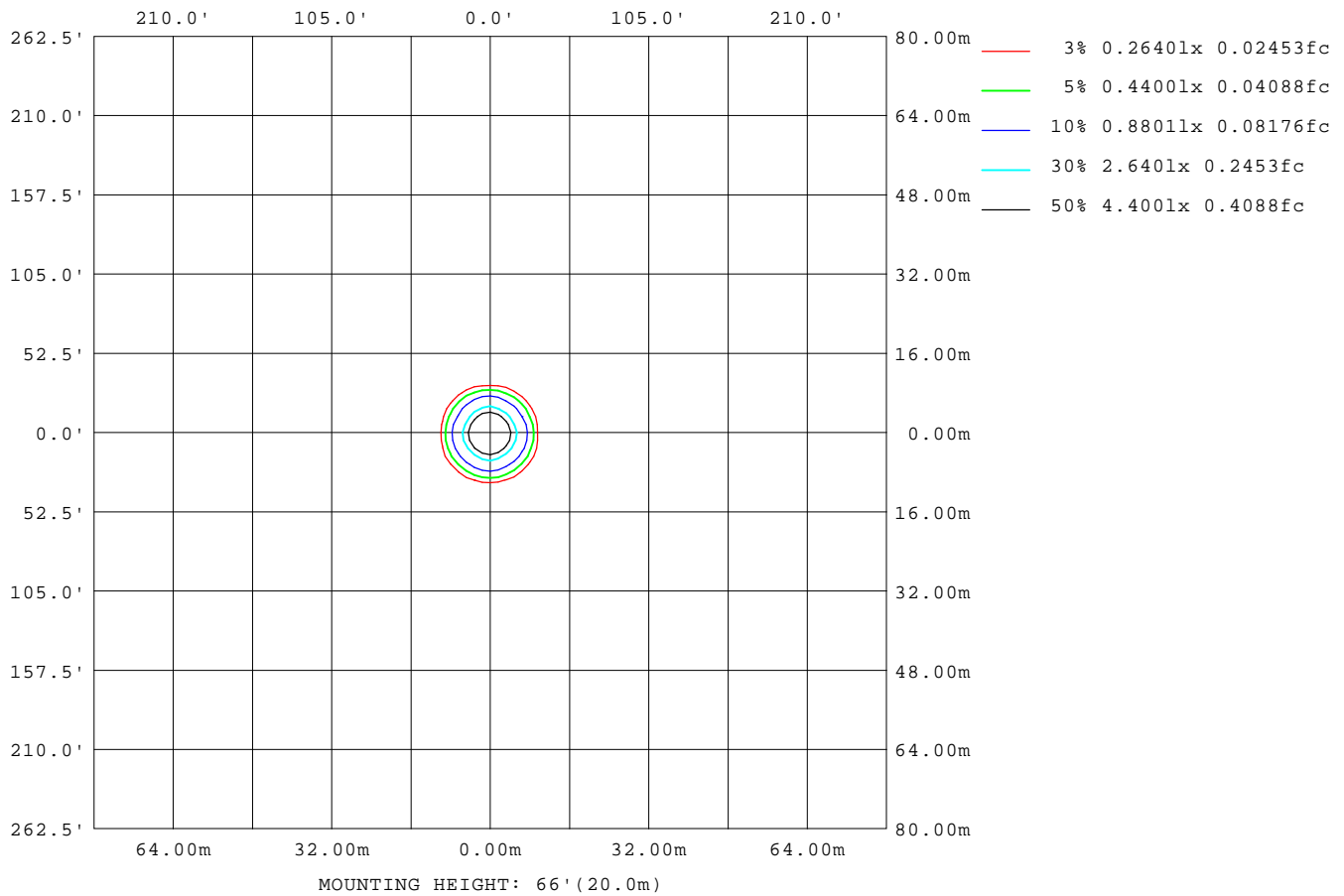
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-10

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-30G1000-A-83 Ra:90
LENS:PM-1082 15R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:220.19V I:0.0639A P:13.675W PF:0.9688 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.105-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408101110
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:zoe
Test Date:2024-8-10

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-30G1000-A-83 Ra:90
LENS:PM-1082 15R
DRIVER: IT FIT 20/200-240/500 CS 350mA
30minutes warm-up

LED Avg.L Report

Test:U:220.19V I:0.0639A P:13.675W PF:0.9688 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.105-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408101110
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:

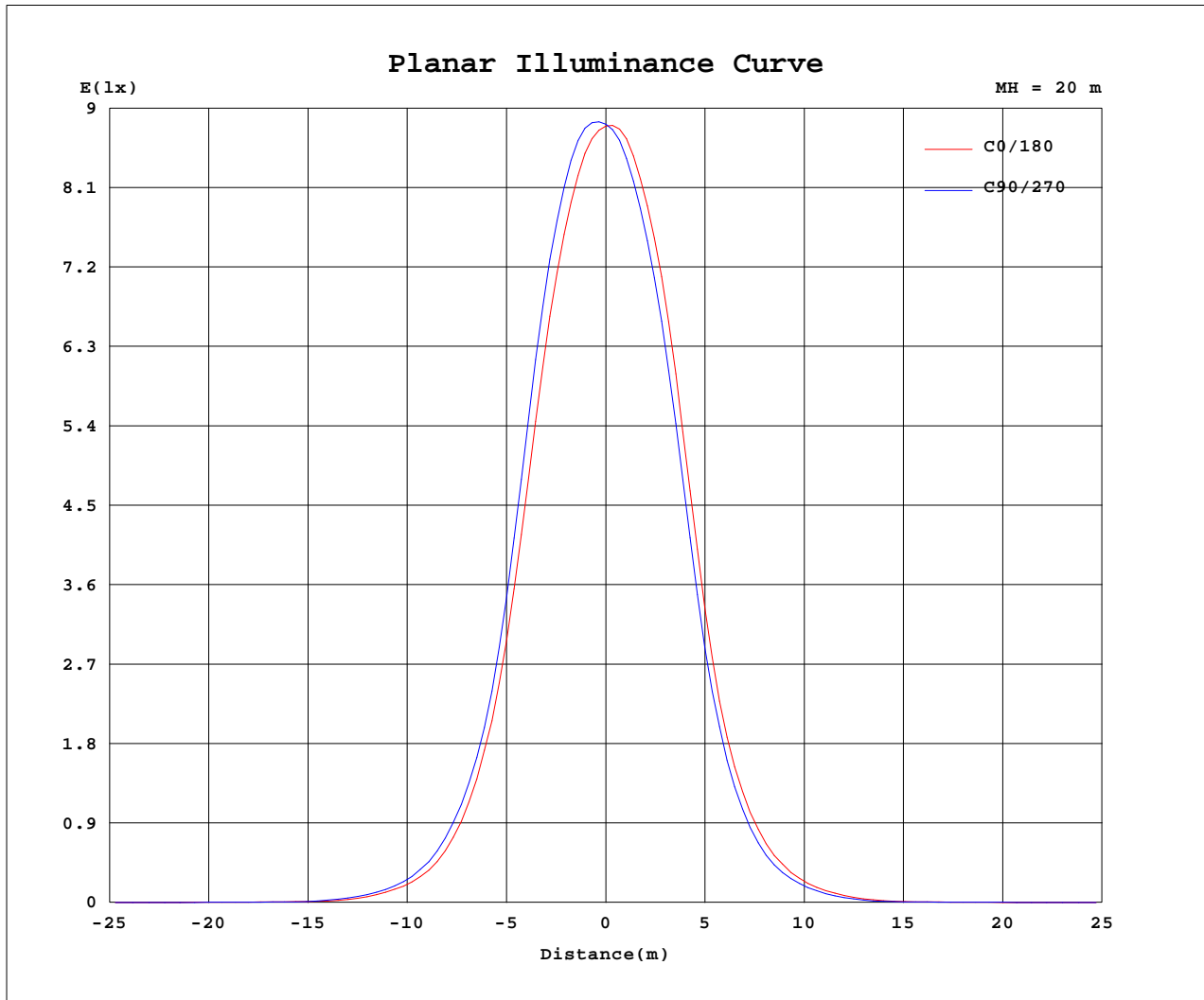
AvgL	cd/m2
L_0~180(65)av	176
L_0~180(75)av	47
L_0~180(85)av	76
L_90~270(65)av	136
L_90~270(75)av	38
L_90~270(85)av	86
L_45(65)av	177
L_45(75)av	37
L_45(85)av	50

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-8-10

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-30G1000-A-83 Ra:90
LENS:PM-1082 15R
DRIVER: IT FIT 20/200-240/500 CS 350mA
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: 2024-8-10

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-30G1000-A-83 Ra: 90
 LENS: PM-1082 15R
 DRIVER: IT FIT 20/200-240/500 CS 350mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.19V I:0.0639A P:13.675W PF:0.9688 Freq:49.99Hz Lamp Flux:1490.38x1 lm		
NAME: 2418.105-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2408101110
MFR.: RISE	SUR.: 0.004624m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3527	3527	3527	3527	3527	3527	3527	3527	3527	3527	3527	3527						
5	3216	3295	3339	3402	3434	3410	3324	3248	3238	3181	3146	3157						
10	2288	2385	2417	2577	2604	2600	2515	2331	2332	2273	2141	2150						
15	1106	1143	1129	1285	1234	1252	1235	1026	1083	1061	956	973						
20	445	467	461	537	499	511	495	421	437	411	382	387						
25	159	188	199	204	212	213	184	188	176	146	159	163						
30	55.5	75.3	81.4	72.8	87.5	84.6	65.8	74.3	65.2	48.0	58.8	61.9						
35	13.6	27.9	29.1	20.8	32.0	30.4	15.8	26.1	21.0	10.1	20.0	20.5						
40	7.29	8.29	8.27	6.44	10.1	8.32	6.61	7.65	6.55	6.07	6.05	6.72						
45	4.90	4.78	3.90	4.08	4.50	4.15	3.87	4.27	4.41	3.95	3.84	4.45						
50	2.12	2.84	2.12	1.85	2.66	2.09	2.01	2.37	2.62	1.44	2.22	2.56						
55	1.27	1.08	0.72	0.34	0.70	0.86	0.99	1.16	0.89	0.80	0.94	1.12						
60	0.87	0.70	0.34	0.29	0.30	0.41	0.66	0.74	0.63	0.58	0.68	0.80						
65	0.38	0.41	0.23	0.24	0.24	0.27	0.31	0.39	0.35	0.29	0.40	0.43						
70	0.09	0.15	0.12	0.16	0.17	0.12	0.11	0.13	0.10	0.04	0.13	0.11						
75	0.06	0.05	0.05	0.05	0.06	0.05	0.06	0.04	0.03	0.04	0.03	0.04						
80	0.05	0.03	0.03	0.04	0.04	0.04	0.04	0.03	0.02	0.03	0.03	0.03						
85	0.03	0.02	0.02	0.04	0.02	0.02	0.03	0.03	0.01	0.03	0.02	0.02						
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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Operators:zoe
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