

Luminaire Photograph



Light Output Ratio:	69.8%	
Luminaire Power:	3.035 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2025-9-4

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: BXEX-30G-11H-3A1-00-0-0 Ra: 90
LENS: 36R
DRIVER: LS-3-700 SIE 700mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

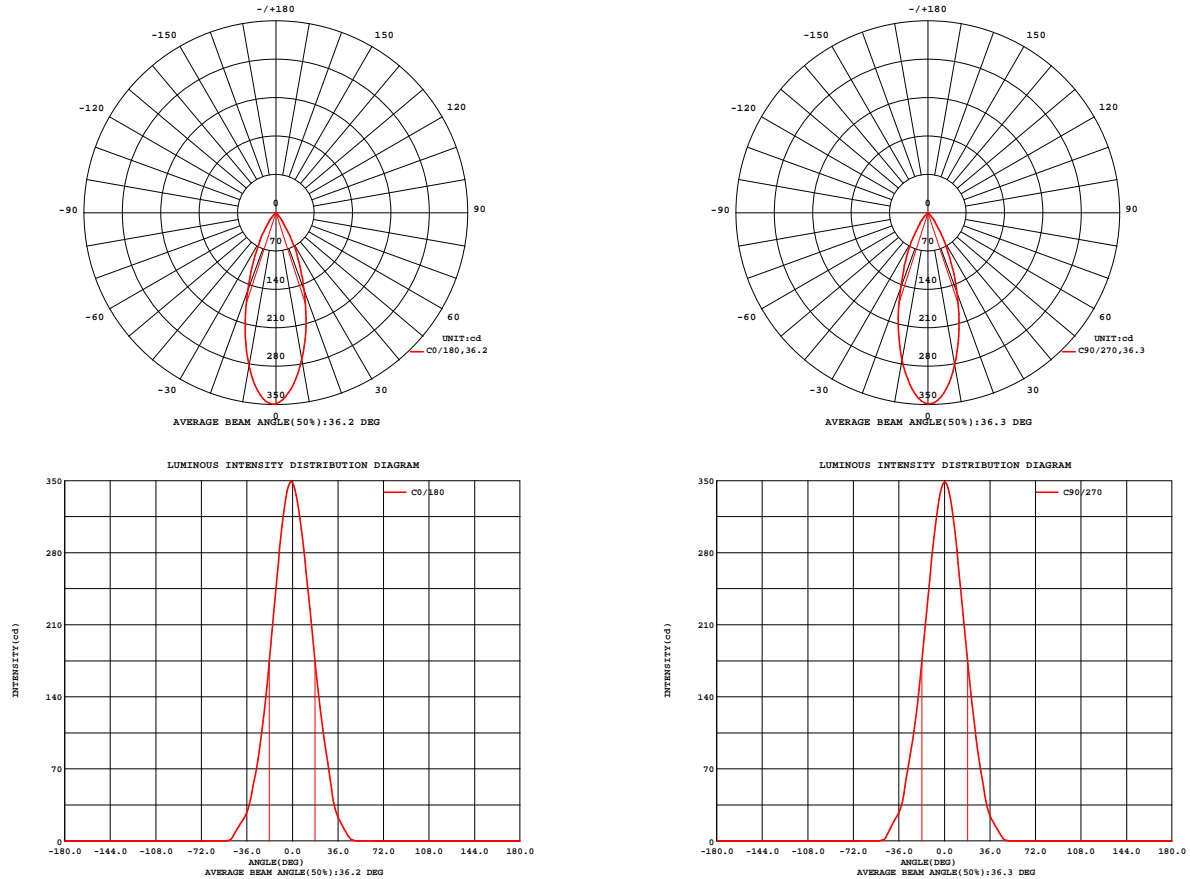


Fig. C0/C180

Fig. C90/C270

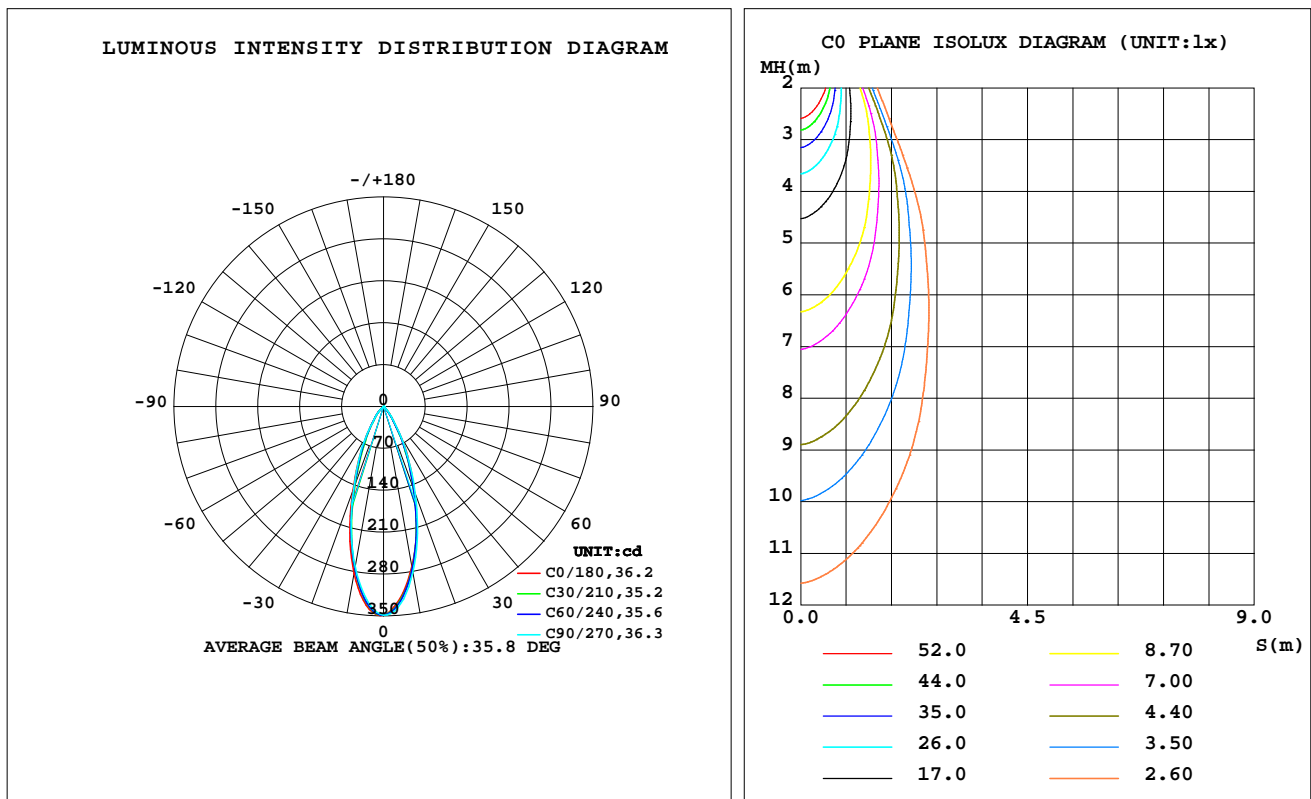
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30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.18V I:0.0233A P:3.0354W PF:0.5833 Freq:49.99Hz Lamp Flux:225.131x1 lm		
NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040601
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 51.77 lm/W			
MODEL	Bridgelux	I _{max} (cd)	349.3	S/MH(C0/180)	0.60
NOMINAL POWER(W)	3	LOR(%)	69.8	S/MH(C90/270)	0.58
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	157.14	UP,DN(C0-180)	0.0,35.0
NOMINAL FLUX(lm)	225.131	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,34.8
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	down(%)	69.8	CIBSE SHR MAX	0.60



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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	272.0	276.0	281.6	285.2	283.5	276.2	272.9	271.7	0- 10	29.64	29.64	18.9,13.2
20	150.5	147.3	156.2	152.6	150.6	142.0	146.4	146.4	10- 20	58.49	88.12	56.1,39.1
30	58.33	54.08	59.68	57.52	58.92	55.14	60.74	56.66	20- 30	44.23	132.4	84.2,58.8
40	13.99	13.60	15.49	18.08	18.75	19.27	18.67	16.35	30- 40	19.62	152.0	96.7,67.5
50	0.1875	0.2093	0.3179	0.5989	0.5915	0.5883	0.3227	0.2029	40- 50	5.083	157.1	100,69.8
60	0.0055	0.0083	0.0098	0.0150	0.0089	0.0093	0.0109	0.0045	50- 60	0.0701	157.1	100,69.8
70	0	0	0	0	0	0	0	0	60- 70	0.0021	157.1	100,69.8
80	0	0	0	0	0	0	0	0	70- 80	0	157.1	100,69.8
90	0	0	0	0	0	0	0	0	80- 90	0	157.1	100,69.8
100	0	0	0	0	0	0	0	0	90-100	0	157.1	100,69.8
110	0	0	0	0	0	0	0	0	100-110	0	157.1	100,69.8
120	0	0	0	0	0	0	0	0	110-120	0	157.1	100,69.8
130	0	0	0	0	0	0	0	0	120-130	0	157.1	100,69.8
140	0	0	0	0	0	0	0	0	130-140	0	157.1	100,69.8
150	0	0	0	0	0	0	0	0	140-150	0	157.1	100,69.8
160	0	0	0	0	0	0	0	0	150-160	0	157.1	100,69.8
170	0	0	0	0	0	0	0	0	160-170	0	157.1	100,69.8
180	0	0	0	0	0	0	0	0	170-180	0	157.1	100,69.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Humidity:65.0%
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Remarks: LAMP:BXEX-30G-11H-3A1-00-0-0 Ra:90
LENS:36R
DRIVER:LS-3-700 SIE 700mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.18V I:0.0233A P:3.0354W PF:0.5833 Freq:49.99Hz
Lamp Flux:225.13lx1 lm

NAME: 2368.100

TYPE:

WEIGHT:

SPEC.: 3000K

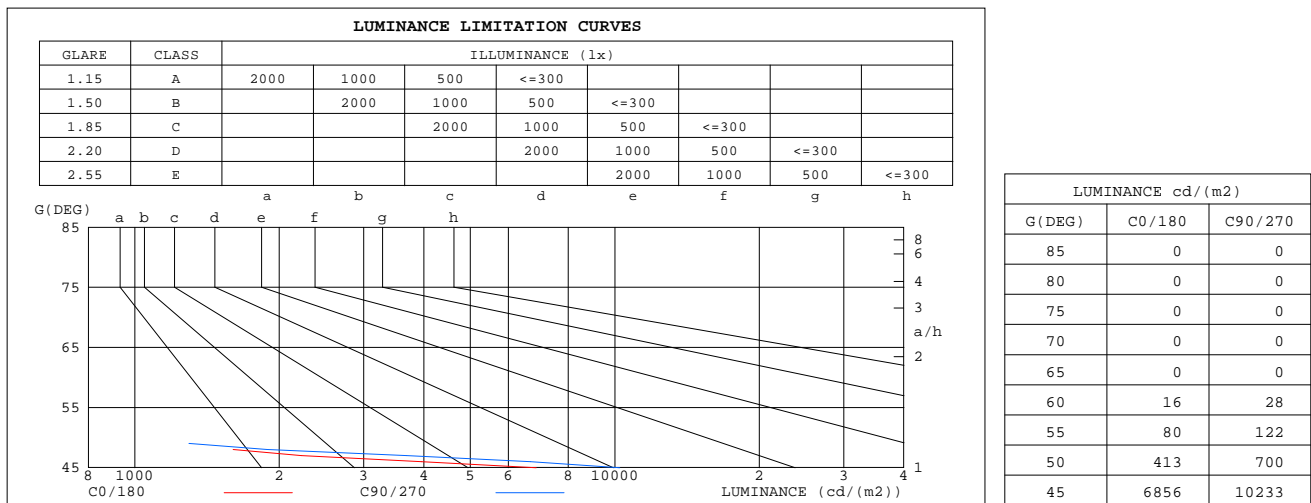
DIM.:

SERIAL No.: 2509040601

MFR.: RISE

SUR.: 0.0007065m2

Shielding Angle:



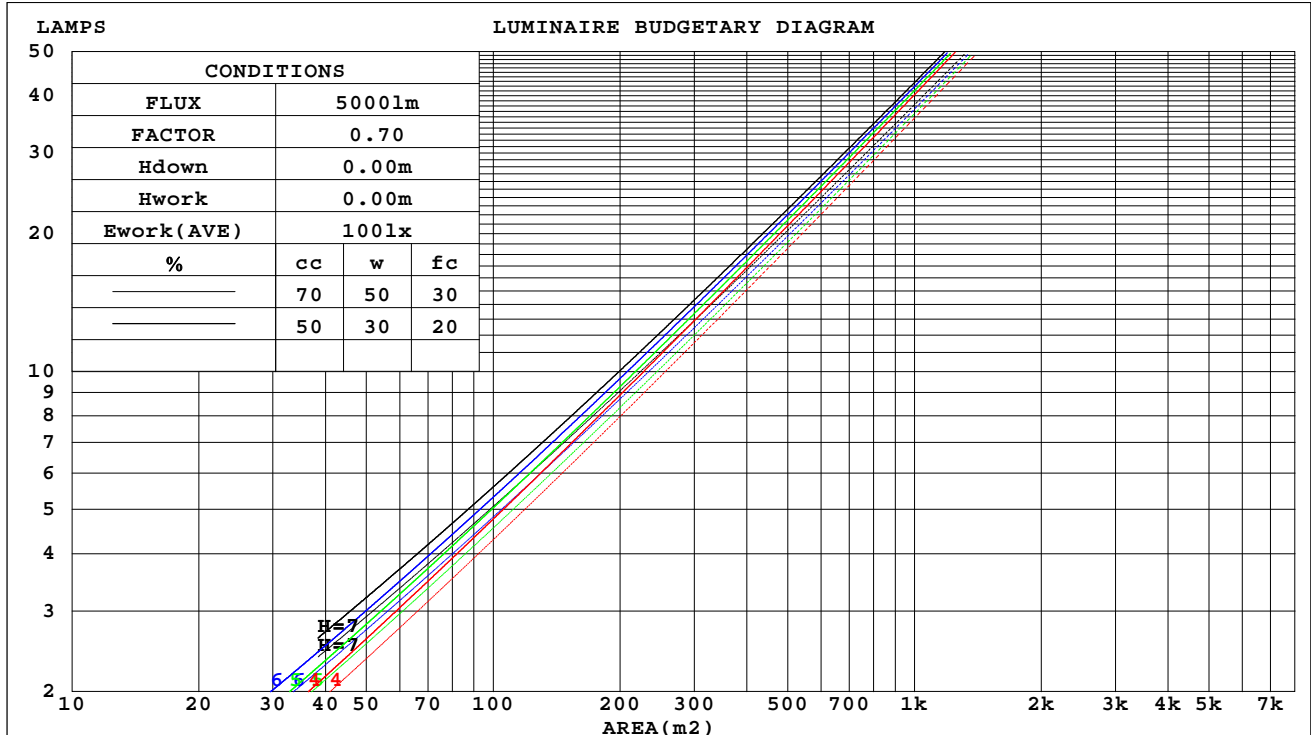
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.: 3000K	DIM.:	SERIAL No.: 2509040601
MFR.: RISE	SUR.: 0.0007065m2	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			Coefficients of Utilization(CU)												
0.0	.83	.83	.83	.81	.81	.81	.78	.78	.78	.74	.74	.74	.71	.71	.71	.70
1.0	.78	.76	.75	.77	.75	.74	.74	.73	.72	.71	.70	.70	.69	.68	.68	.66
2.0	.73	.71	.69	.72	.70	.68	.70	.68	.67	.68	.67	.65	.66	.65	.64	.63
3.0	.69	.66	.64	.68	.66	.63	.67	.64	.62	.65	.63	.61	.63	.62	.61	.60
4.0	.66	.62	.60	.65	.62	.59	.63	.61	.59	.62	.60	.58	.61	.59	.57	.56
5.0	.62	.59	.56	.62	.58	.56	.60	.58	.55	.59	.57	.55	.58	.56	.55	.54
6.0	.59	.56	.53	.59	.55	.53	.58	.55	.53	.57	.54	.52	.56	.54	.52	.51
7.0	.56	.53	.50	.56	.53	.50	.55	.52	.50	.54	.52	.50	.54	.51	.49	.49
8.0	.54	.50	.48	.53	.50	.48	.53	.50	.48	.52	.49	.47	.51	.49	.47	.46
9.0	.52	.48	.46	.51	.48	.45	.51	.47	.45	.50	.47	.45	.49	.47	.45	.44
10.0	.49	.46	.44	.49	.46	.43	.49	.45	.43	.48	.45	.43	.48	.45	.43	.42



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30minutes warm-up

WEC AND CCEC

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NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040601
MFR.: RISE	SUR.: 0.0007065m2	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	.110	.063	.020	.106	.060	.019	.097	.056	.018	.089	.051	.016	.082	.047	.015		
2.0	.105	.057	.018	.101	.055	.017	.093	.052	.016	.087	.049	.015	.081	.046	.014		
3.0	.099	.053	.016	.096	.051	.015	.090	.049	.015	.084	.046	.014	.079	.044	.013		
4.0	.094	.049	.014	.091	.048	.014	.086	.046	.014	.081	.044	.013	.077	.042	.013		
5.0	.089	.046	.013	.087	.045	.013	.082	.043	.013	.078	.041	.012	.074	.040	.012		
6.0	.085	.043	.012	.083	.042	.012	.079	.041	.012	.076	.039	.012	.072	.038	.011		
7.0	.082	.040	.011	.080	.040	.011	.076	.039	.011	.073	.037	.011	.070	.036	.011		
8.0	.078	.038	.011	.076	.038	.011	.073	.037	.010	.070	.036	.010	.068	.035	.010		
9.0	.075	.036	.010	.073	.036	.010	.071	.035	.010	.068	.034	.010	.066	.033	.010		
10.0	.072	.035	.010	.071	.034	.010	.068	.033	.009	.066	.033	.009	.064	.032	.009		

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	.133	.133	.133	.114	.114	.114	.078	.078	.078	.045	.045	.045	.014	.014	.014	
1.0	.119	.110	.102	.101	.094	.088	.069	.065	.061	.040	.038	.035	.013	.012	.011	
2.0	.107	.093	.080	.092	.080	.070	.063	.055	.048	.036	.032	.028	.012	.010	.009	
3.0	.098	.079	.065	.084	.068	.056	.057	.047	.039	.033	.028	.023	.011	.009	.008	
4.0	.090	.069	.053	.077	.059	.046	.053	.041	.032	.031	.024	.019	.010	.008	.006	
5.0	.083	.060	.044	.071	.052	.038	.049	.037	.027	.029	.021	.016	.009	.007	.005	
6.0	.078	.054	.037	.067	.047	.032	.046	.033	.022	.027	.019	.013	.009	.006	.004	
7.0	.073	.048	.031	.063	.042	.027	.043	.029	.019	.025	.017	.011	.008	.006	.004	
8.0	.069	.044	.027	.059	.038	.023	.041	.027	.016	.024	.016	.010	.008	.005	.003	
9.0	.065	.040	.023	.056	.035	.020	.039	.024	.014	.023	.014	.009	.007	.005	.003	
10.0	.062	.037	.020	.053	.032	.018	.037	.023	.013	.022	.013	.007	.007	.004	.002	

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UGR(Unified Glare Rating) Table

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SPEC.: 3000K					DIM.:			SERIAL No.: 2509040601			
MFR.: RISE					SUR.: 0.0007065m2			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	2H	19.9	20.7	20.1	20.8	21.0	20.2	21.0	20.4	21.2	21.3
	3H	19.7	20.5	20.0	20.7	20.8	20.0	20.8	20.3	21.0	21.2
	4H	19.6	20.3	19.9	20.6	20.8	20.0	20.7	20.2	20.9	21.1
	6H	19.5	20.2	19.8	20.4	20.7	19.9	20.5	20.2	20.8	21.0
	8H	19.5	20.1	19.8	20.4	20.6	19.8	20.5	20.1	20.7	21.0
	12H	19.4	20.1	19.8	20.3	20.6	19.8	20.4	20.1	20.7	20.9
4H	2H	19.6	20.3	19.9	20.6	20.8	20.0	20.7	20.2	20.9	21.1
	3H	19.4	20.1	19.8	20.3	20.6	19.8	20.4	20.1	20.7	20.9
	4H	19.4	19.9	19.7	20.2	20.5	19.7	20.2	20.0	20.5	20.8
	6H	19.3	19.7	19.6	20.1	20.4	19.6	20.1	20.0	20.4	20.8
	8H	19.2	19.7	19.6	20.0	20.4	19.5	20.0	19.9	20.3	20.7
	12H	19.2	19.6	19.6	19.9	20.3	19.5	19.9	19.9	20.3	20.7
8H	4H	19.2	19.7	19.6	20.0	20.4	19.5	20.0	19.9	20.3	20.7
	6H	19.1	19.5	19.5	19.9	20.3	19.4	19.8	19.9	20.2	20.6
	8H	19.0	19.4	19.5	19.8	20.2	19.4	19.7	19.8	20.1	20.6
	12H	19.0	19.3	19.4	19.7	20.2	19.3	19.6	19.8	20.0	20.5
12H	4H	19.2	19.6	19.6	19.9	20.3	19.5	19.9	19.9	20.3	20.7
	6H	19.0	19.4	19.5	19.8	20.2	19.4	19.7	19.8	20.1	20.6
	8H	19.0	19.3	19.4	19.7	20.2	19.3	19.6	19.8	20.0	20.5
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 3.5 / -39.3					+ 3.5 / -39.0					
1.5H	+ 6.2 / -34.7					+ 6.1 / -34.6					
2.0H	+ 9.8 / -107.6					+10.0 / -62.5					

CIE Pub.117, 225.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.2)
Area: 0.0007065 m2

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UTILIZATION FACTORS TABLE

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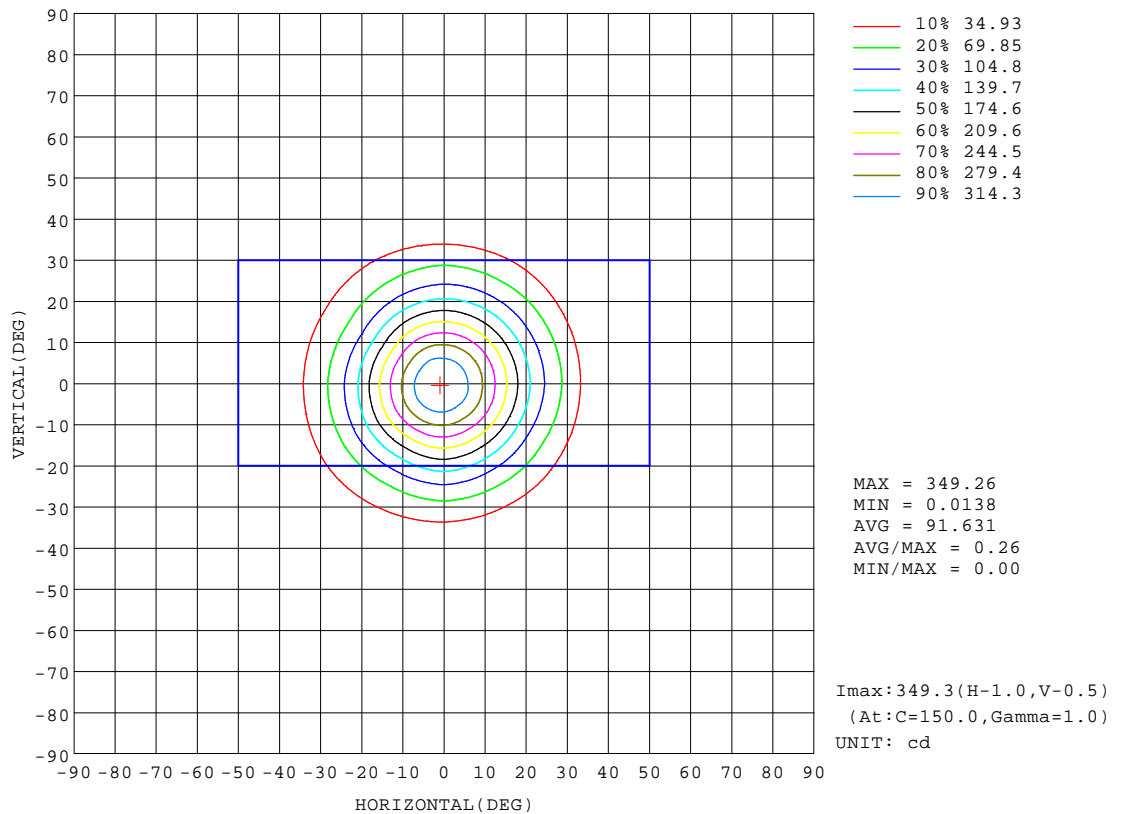
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	62	58	56	62	58	56	62	58	56	53
0.80	68	64	61	67	63	61	66	63	61	59
1.00	70	67	64	70	66	64	69	66	64	61
1.25	73	70	67	72	69	67	71	68	67	64
1.50	75	72	70	74	71	69	72	70	68	65
2.00	76	74	72	75	73	71	74	72	70	67
2.50	77	75	73	76	74	72	74	72	71	67
3.00	78	76	74	77	75	74	75	73	72	68
4.00	80	78	77	78	77	76	76	75	74	69
5.00	81	79	78	79	78	77	76	75	75	69
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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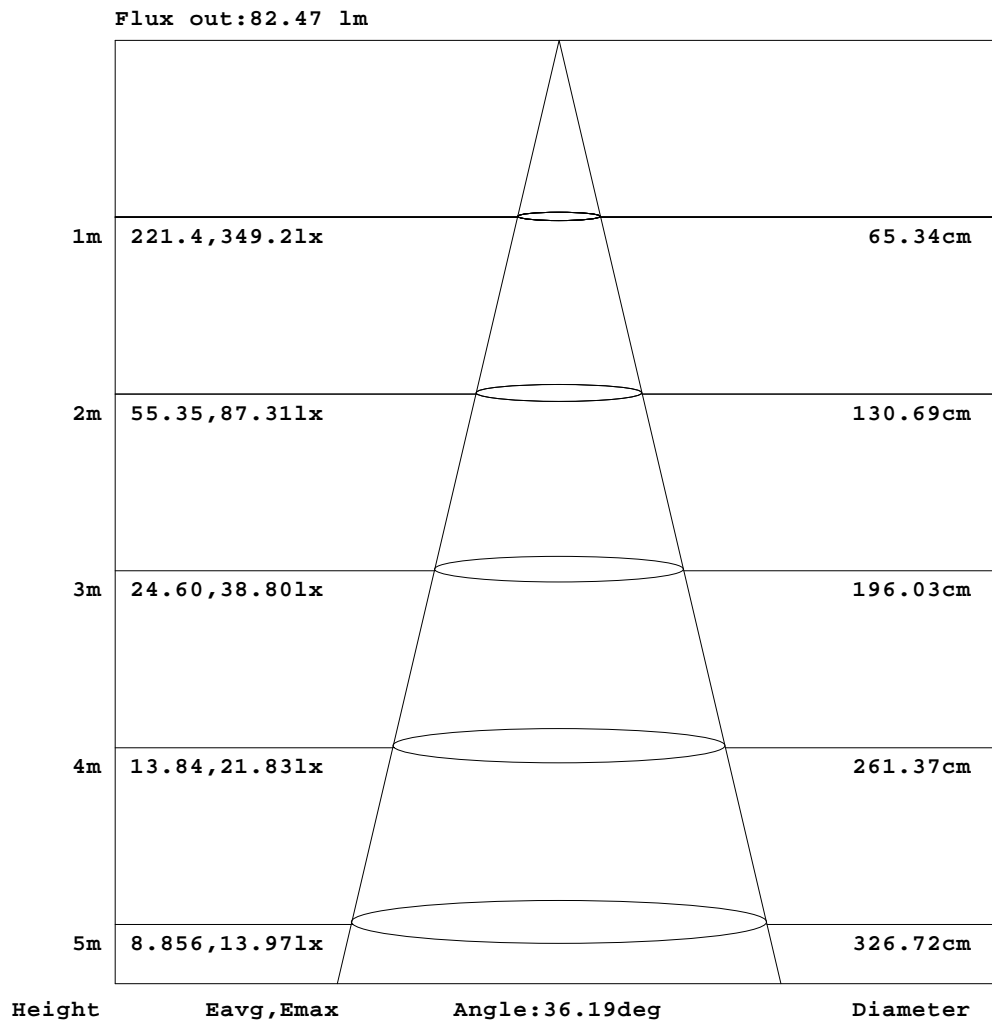


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AAI Figure

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SPEC.: 3000K	DIM.:	SERIAL No.: 2509040601
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:



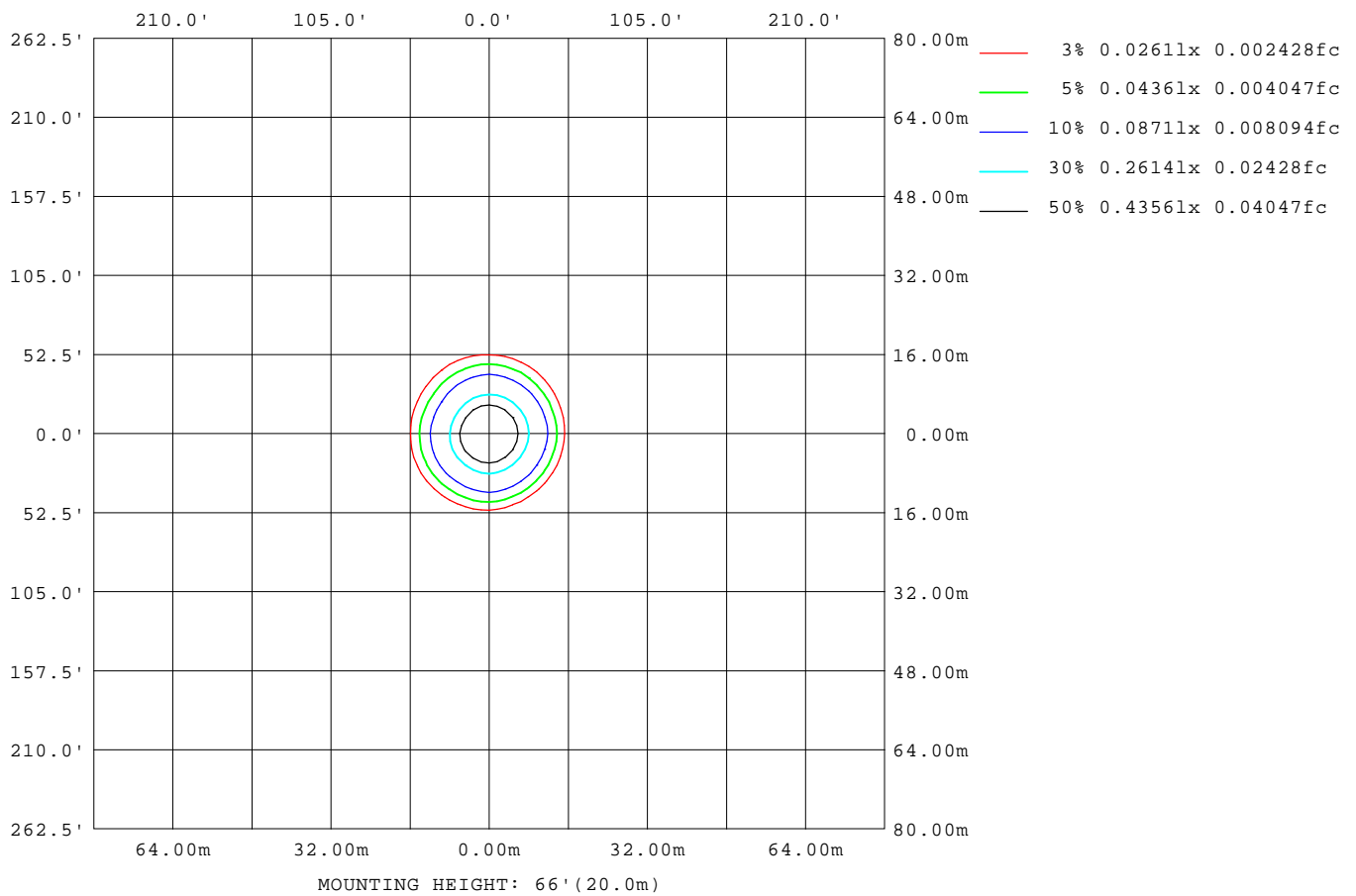
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2025-9-4

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:BXEX-30G-11H-3A1-00-0-0 Ra:90
LENS:36R
DRIVER:LS-3-700 SIE 700mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:220.18V I:0.0233A P:3.0354W PF:0.5833 Freq:49.99Hz Lamp Flux:225.13lx1 lm		
NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040601
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2025-9-4

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:BXEX-30G-11H-3A1-00-0-0 Ra:90
LENS:36R
DRIVER:LS-3-700 SIE 700mA
30minutes warm-up

LED Avg.L Report

Test:U:220.18V I:0.0233A P:3.0354W PF:0.5833 Freq:49.99Hz Lamp Flux:225.13lx1 lm		
NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040601
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

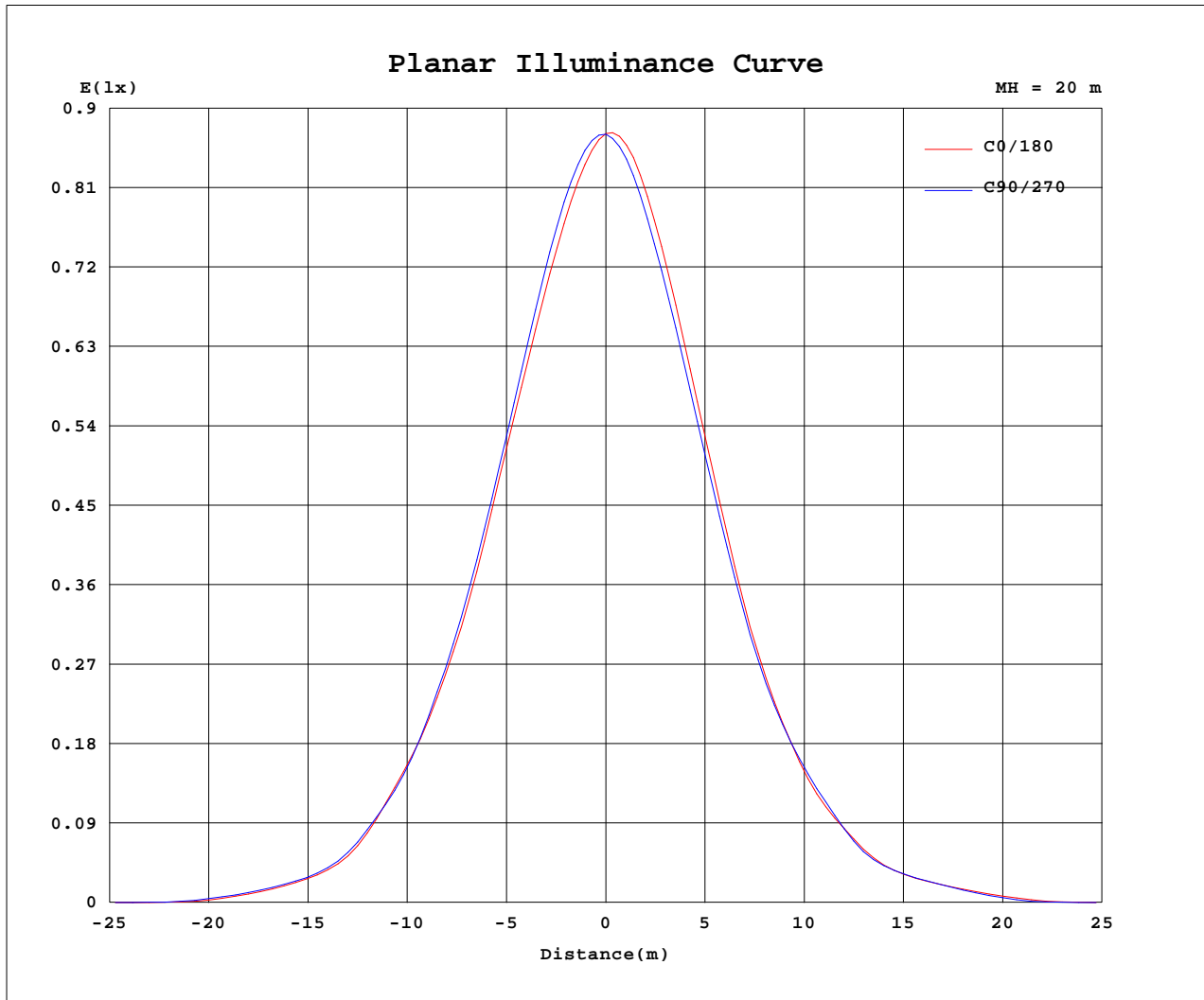
AvgL	cd/m2
L_0~180(65)av	2
L_0~180(75)av	0
L_0~180(85)av	0
L_90~270(65)av	4
L_90~270(75)av	0
L_90~270(85)av	0
L_45(65)av	2
L_45(75)av	0
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2025-9-4

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:BXEX-30G-11H-3A1-00-0-0 Ra:90
LENS:36R
DRIVER:LS-3-700 SIE 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: 2025-9-4

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: BXEX-30G-11H-3A1-00-0-0 Ra: 90
 LENS: 36R
 DRIVER: LS-3-700 SIE 700mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.18V I:0.0233A P:3.0354W PF:0.5833 Freq:49.99Hz Lamp Flux:225.13lx1 lm		
NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040601
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	348	348	348	348	348	348	348	348	348	348	348	348						
5	322	325	326	331	333	335	333	330	329	324	322	321						
10	272	276	276	282	284	286	284	276	276	273	271	272						
15	213	212	213	219	218	222	219	208	211	210	209	210						
20	151	147	148	156	150	155	151	140	144	146	146	147						
25	99.8	92.9	93.7	101	95.5	99.6	97.6	88.4	92.9	97.4	95.7	97.0						
30	58.3	53.4	54.7	59.7	56.2	58.8	58.9	52.9	57.3	60.7	57.0	56.3						
35	27.1	26.1	26.3	28.9	29.5	31.7	31.1	29.6	30.8	30.6	29.9	27.9						
40	14.0	13.5	13.7	15.5	17.3	18.8	18.8	19.0	19.6	18.7	17.4	15.3						
45	3.42	3.39	3.62	5.12	6.99	8.40	8.53	8.36	8.15	6.38	4.95	3.79						
50	0.19	0.20	0.22	0.32	0.56	0.64	0.59	0.60	0.58	0.32	0.23	0.18						
55	0.03	0.03	0.04	0.05	0.06	0.07	0.06	0.06	0.06	0.05	0.03	0.02						
60	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.00	0.00						
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
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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