

Luminaire Photograph



Light Output Ratio:	77.3%	
Luminaire Power:	3.034 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.50	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: 24R
DRIVER: LS-3-700 SIE 700mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

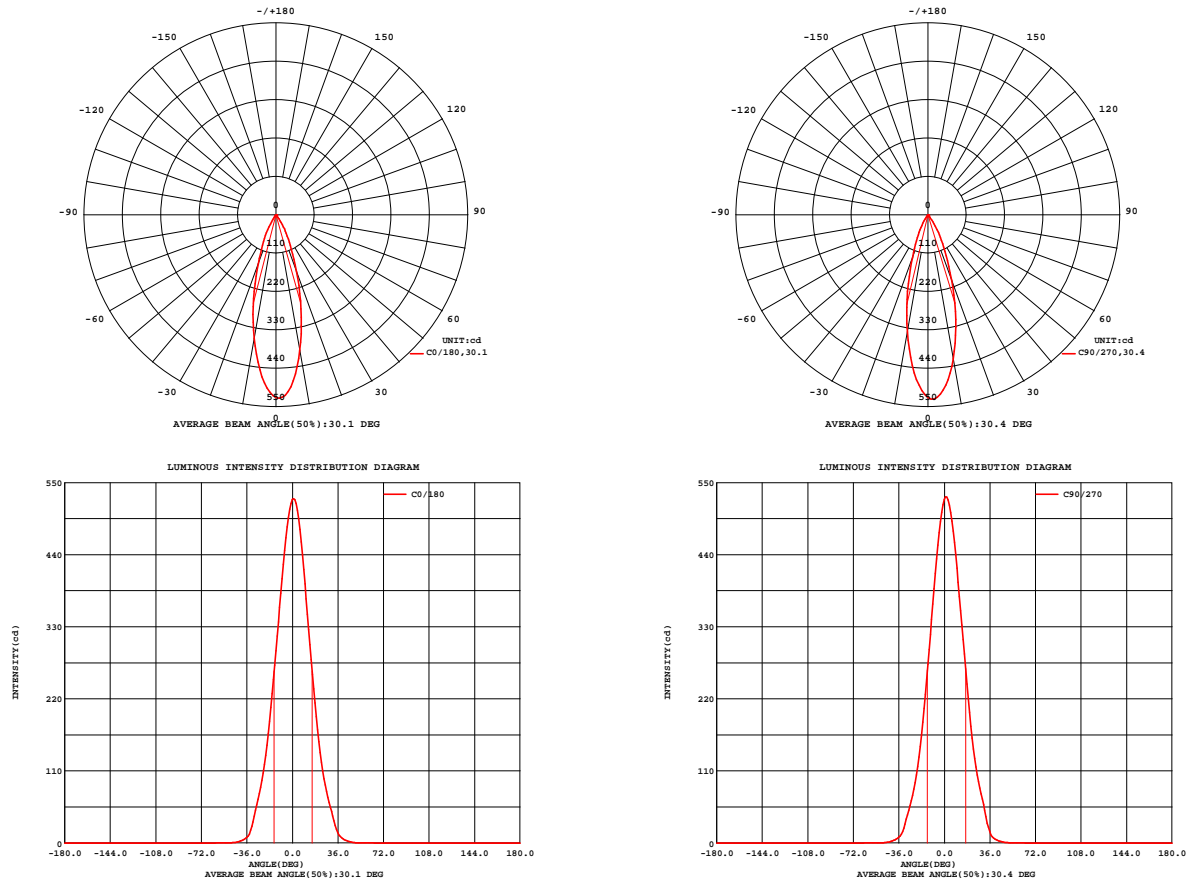


Fig. C0/C180

Fig. C90/C270

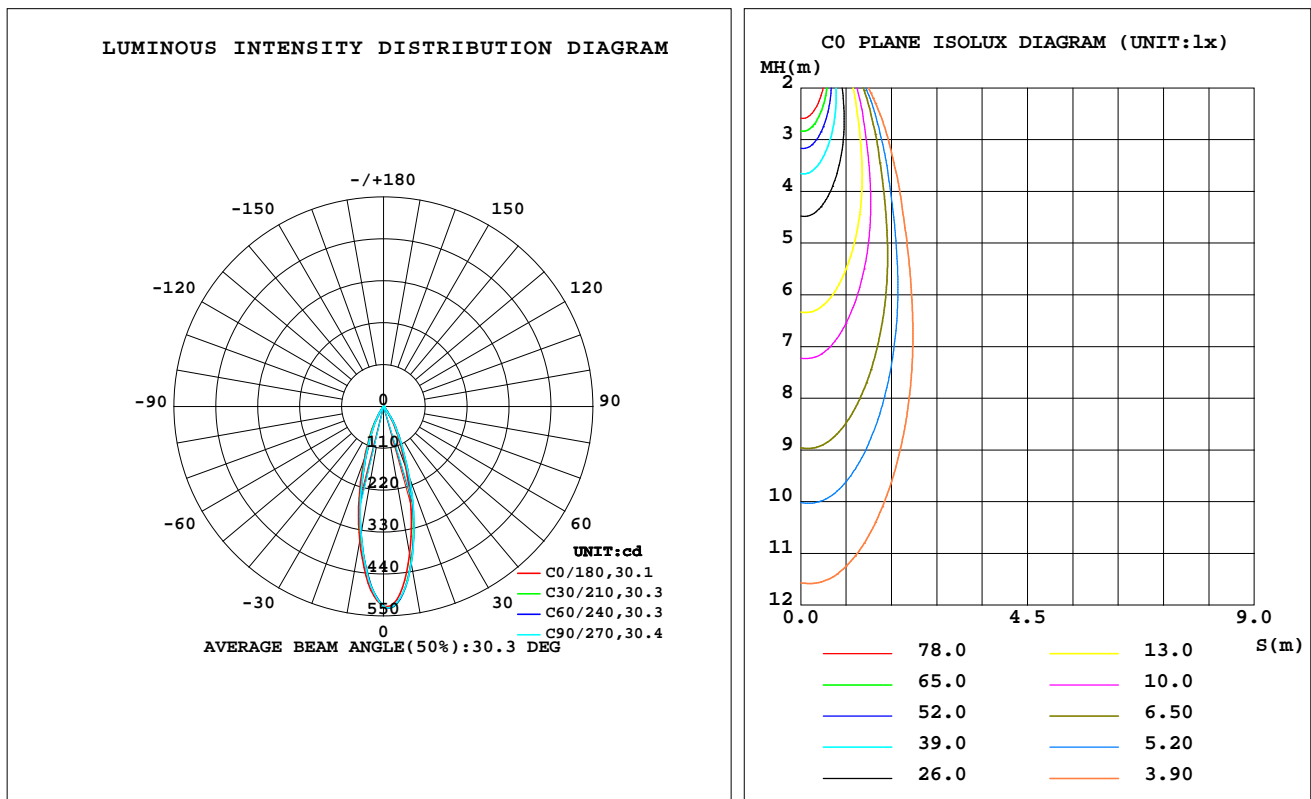
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LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.16V I:0.0232A P:3.0343W PF:0.5846 Freq:49.99Hz Lamp Flux:225.131x1 lm		
NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040600
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.36 lm/W			
MODEL	Bridgelux	Imax(cd)	530.1	S/MH(C0/180)	0.48
NOMINAL POWER(W)	3	LOR(%)	77.3	S/MH(C90/270)	0.45
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	174.06	UP,DN(C0-180)	0.0,43.0
NOMINAL FLUX(lm)	225.131	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,34.3
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	down(%)	77.3	CIBSE SHR MAX	0.50



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ZONAL FLUX DIAGRAM

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	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	395.5	417.4	419.1	392.8	359.5	343.2	341.3	366.2	0- 10	42.50	42.50	24.4,18.9
20	172.9	194.2	199.5	178.4	149.5	133.4	131.0	152.2	10- 20	72.95	115.5	66.3,51.3
30	54.69	66.70	66.96	57.90	40.83	35.89	36.31	48.72	20- 30	44.29	159.7	91.8,71
40	6.357	6.905	6.113	5.097	3.753	3.531	4.002	5.476	30- 40	12.75	172.5	99.1,76.6
50	0.3746	0.6000	0.5163	0.2443	0.0944	0.0937	0.1344	0.3284	40- 50	1.512	174.0	100,77.3
60	0.0071	0.0048	0.0035	0.0010	0.0012	0.0008	0.0026	0.0022	50- 60	0.0532	174.1	100,77.3
70	0	0	0	0	0	0	0	0	60- 70	0.0003	174.1	100,77.3
80	0	0	0	0	0	0	0	0	70- 80	0	174.1	100,77.3
90	0	0	0	0	0	0	0	0	80- 90	0	174.1	100,77.3
100	0	0	0	0	0	0	0	0	90-100	0	174.1	100,77.3
110	0	0	0	0	0	0	0	0	100-110	0	174.1	100,77.3
120	0	0	0	0	0	0	0	0	110-120	0	174.1	100,77.3
130	0	0	0	0	0	0	0	0	120-130	0	174.1	100,77.3
140	0	0	0	0	0	0	0	0	130-140	0	174.1	100,77.3
150	0	0	0	0	0	0	0	0	140-150	0	174.1	100,77.3
160	0	0	0	0	0	0	0	0	150-160	0	174.1	100,77.3
170	0	0	0	0	0	0	0	0	160-170	0	174.1	100,77.3
180	0	0	0	0	0	0	0	0	170-180	0	174.1	100,77.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Interval: 1.0DEG
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Humidity:65.0%
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LENS:24R
DRIVER:LS-3-700 SIE 700mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.16V I:0.0232A P:3.0343W PF:0.5846 Freq:49.99Hz
Lamp Flux:225.13lx1 lm

NAME: 2368.100

TYPE:

WEIGHT:

SPEC.: 3000K

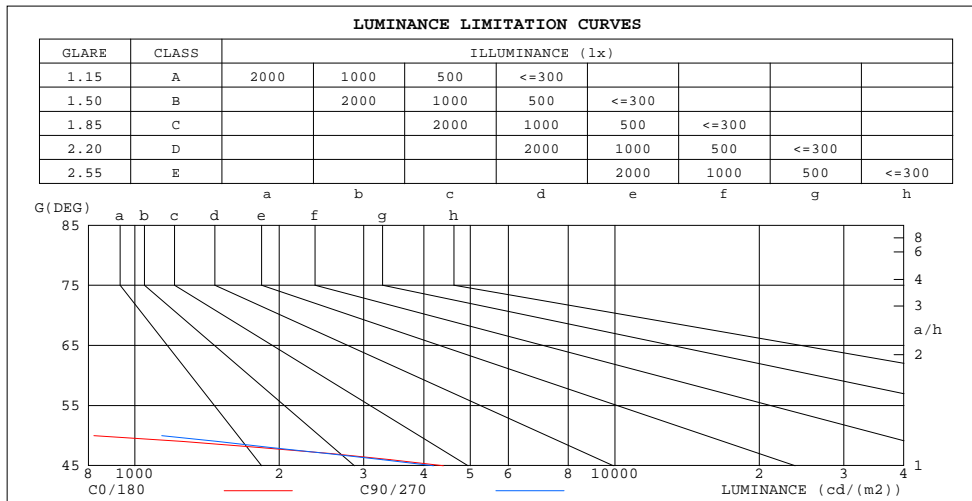
DIM.:

SERIAL No.: 2509040600

MFR.: RISE

SUR.: 0.0007065m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	0	0
65	0	0
60	20	10
55	68	133
50	821	1138
45	4394	4191

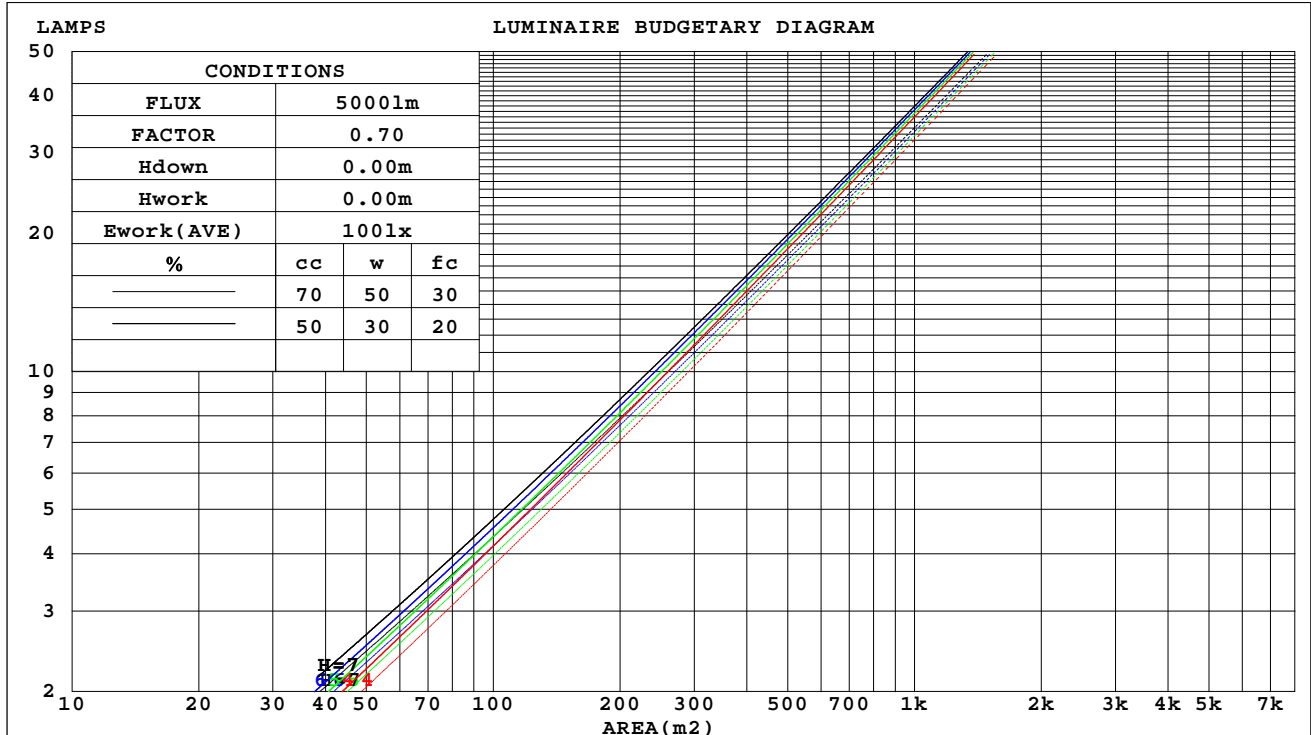
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.: 3000K	DIM.:	SERIAL No.: 2509040600
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	.92	.92	.92	.90	.90	.90	.86	.86	.86	.82	.82	.82	.79	.79	.79	.77
1.0	.87	.85	.84	.85	.84	.82	.82	.81	.80	.79	.78	.78	.77	.76	.75	.74
2.0	.82	.80	.78	.81	.79	.77	.79	.77	.75	.76	.75	.74	.74	.73	.72	.71
3.0	.78	.75	.73	.77	.74	.72	.75	.73	.71	.73	.72	.70	.72	.70	.69	.68
4.0	.75	.71	.69	.74	.71	.68	.72	.70	.67	.71	.68	.67	.69	.68	.66	.65
5.0	.71	.68	.65	.71	.67	.65	.69	.66	.64	.68	.66	.64	.67	.65	.63	.62
6.0	.68	.65	.62	.68	.64	.62	.67	.64	.61	.66	.63	.61	.65	.62	.61	.60
7.0	.66	.62	.59	.65	.62	.59	.64	.61	.59	.63	.61	.59	.63	.60	.58	.57
8.0	.63	.59	.57	.63	.59	.57	.62	.59	.57	.61	.58	.56	.60	.58	.56	.55
9.0	.61	.57	.55	.60	.57	.55	.60	.57	.54	.59	.56	.54	.58	.56	.54	.53
10.0	.58	.55	.53	.58	.55	.53	.58	.55	.52	.57	.54	.52	.57	.54	.52	.51



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LENS:24R
DRIVER:LS-3-700 SIE 700mA
30minutes warm-up

WEC AND CCEC

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NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040600
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	.114	.065	.021	.109	.062	.020	.100	.057	.018	.091	.052	.017	.083	.048	.015	
2.0	.107	.059	.018	.103	.057	.017	.095	.053	.016	.088	.049	.015	.081	.046	.014	
3.0	.101	.054	.016	.097	.052	.016	.090	.049	.015	.084	.046	.014	.079	.043	.013	
4.0	.095	.049	.015	.092	.048	.014	.086	.046	.014	.081	.044	.013	.076	.041	.013	
5.0	.090	.046	.013	.088	.045	.013	.083	.043	.013	.078	.041	.012	.074	.040	.012	
6.0	.086	.043	.012	.084	.042	.012	.079	.041	.012	.075	.039	.012	.072	.038	.011	
7.0	.082	.041	.011	.080	.040	.011	.076	.039	.011	.073	.037	.011	.070	.036	.011	
8.0	.078	.038	.011	.077	.038	.011	.073	.037	.010	.070	.036	.010	.067	.035	.010	
9.0	.075	.036	.010	.074	.036	.010	.071	.035	.010	.068	.034	.010	.065	.033	.010	
10.0	.072	.035	.010	.071	.034	.010	.068	.033	.009	.066	.033	.009	.064	.032	.009	

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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	.147	.147	.147	.126	.126	.126	.086	.086	.086	.049	.049	.049	.016	.016	.016	
1.0	.131	.122	.114	.112	.105	.098	.077	.072	.068	.044	.042	.039	.014	.013	.013	
2.0	.117	.103	.090	.101	.088	.078	.069	.061	.054	.040	.036	.032	.013	.011	.010	
3.0	.106	.088	.073	.091	.076	.063	.063	.053	.044	.036	.031	.026	.012	.010	.009	
4.0	.097	.076	.060	.083	.066	.052	.057	.046	.036	.033	.027	.022	.011	.009	.007	
5.0	.090	.067	.050	.077	.058	.043	.053	.040	.030	.031	.024	.018	.010	.008	.006	
6.0	.083	.059	.042	.071	.051	.036	.049	.036	.026	.029	.021	.015	.009	.007	.005	
7.0	.078	.053	.035	.067	.046	.031	.046	.032	.022	.027	.019	.013	.009	.006	.004	
8.0	.073	.048	.030	.063	.041	.027	.043	.029	.019	.025	.017	.011	.008	.006	.004	
9.0	.069	.044	.026	.059	.038	.023	.041	.027	.016	.024	.016	.010	.008	.005	.003	
10.0	.065	.040	.023	.056	.035	.020	.039	.024	.014	.023	.014	.009	.007	.005	.003	

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30minutes warm-up

UGR(Unified Glare Rating) Table

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SPEC.: 3000K					DIM.:			SERIAL No.: 2509040600		
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	19.0	19.8	19.2	19.9	20.1	19.7	20.4	19.9	20.5	20.7
	3H	18.9	19.6	19.1	19.8	19.9	19.5	20.2	19.7	20.4
	4H	18.8	19.4	19.1	19.7	19.9	19.4	20.1	19.7	20.3
	6H	18.7	19.3	19.0	19.6	19.8	19.3	19.9	19.6	20.2
	8H	18.7	19.3	19.0	19.5	19.8	19.3	19.9	19.6	20.1
	12H	18.6	19.2	18.9	19.4	19.7	19.2	19.8	19.6	20.1
4H	2H	18.8	19.4	19.1	19.7	19.9	19.4	20.1	19.7	20.3
	3H	18.6	19.2	18.9	19.4	19.7	19.2	19.8	19.6	20.1
	4H	18.5	19.0	18.9	19.3	19.6	19.1	19.7	19.5	20.0
	6H	18.4	18.9	18.8	19.2	19.6	19.0	19.5	19.4	19.8
	8H	18.4	18.8	18.8	19.1	19.5	19.0	19.4	19.4	19.8
	12H	18.3	18.7	18.7	19.1	19.5	18.9	19.3	19.3	19.7
8H	4H	18.4	18.8	18.8	19.1	19.5	19.0	19.4	19.4	19.8
	6H	18.3	18.6	18.7	19.0	19.4	18.9	19.2	19.3	19.6
	8H	18.2	18.5	18.6	18.9	19.4	18.8	19.1	19.3	19.5
	12H	18.1	18.4	18.6	18.8	19.3	18.8	19.0	19.2	19.5
12H	4H	18.3	18.7	18.7	19.1	19.5	18.9	19.3	19.3	19.7
	6H	18.2	18.5	18.6	18.9	19.4	18.8	19.1	19.3	19.5
	8H	18.1	18.4	18.6	18.8	19.3	18.8	19.0	19.2	19.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.6 / -35.8					+ 3.9 / -36.7				
1.5H	+ 6.2 / -32.2					+ 6.4 / -29.6				
2.0H	+ 8.0 / -116.1					+ 7.9 / - 1.\$				

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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MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

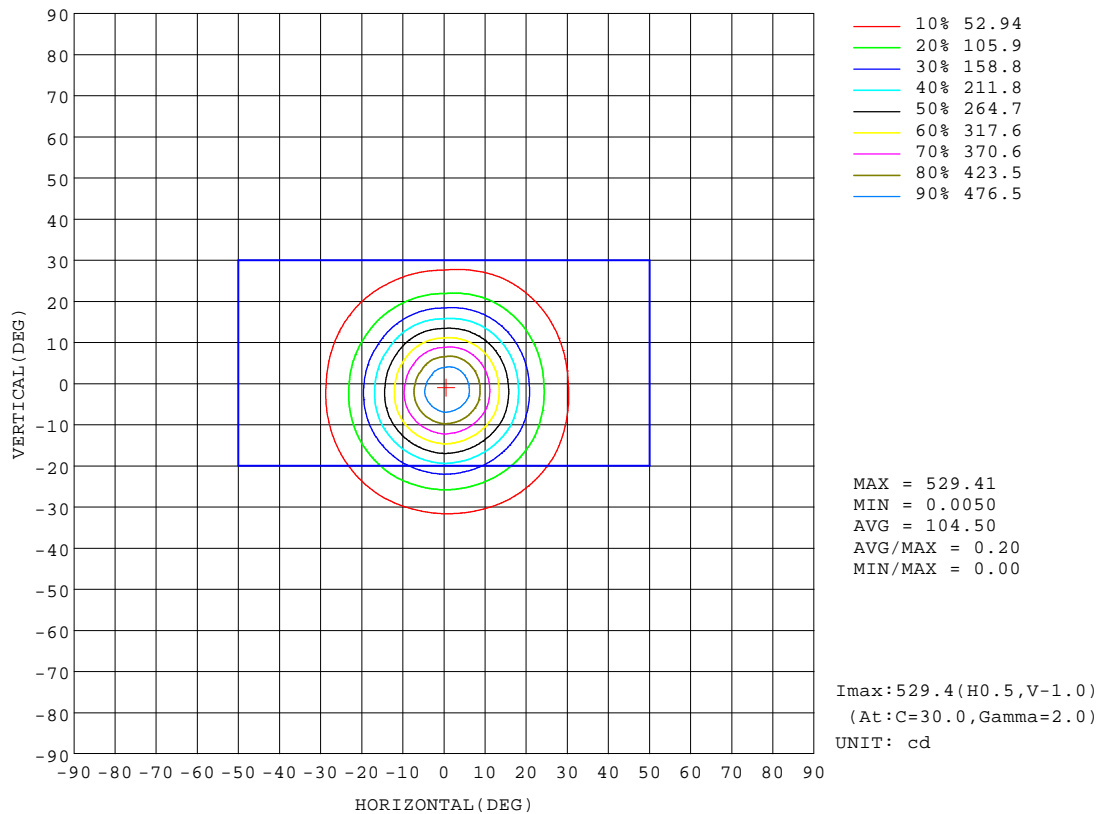
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	70	66	63	70	66	63	69	66	63	61
0.80	76	72	69	75	71	69	74	71	69	66
1.00	79	75	72	78	74	72	77	74	72	69
1.25	81	78	75	81	77	75	79	76	75	72
1.50	83	80	78	82	79	77	81	78	77	73
2.00	85	82	80	84	81	79	82	80	78	74
2.50	86	83	81	85	82	81	83	81	79	75
3.00	87	85	83	86	84	82	83	82	80	76
4.00	89	87	85	87	85	84	84	83	82	77
5.00	89	88	87	88	87	85	85	84	83	77
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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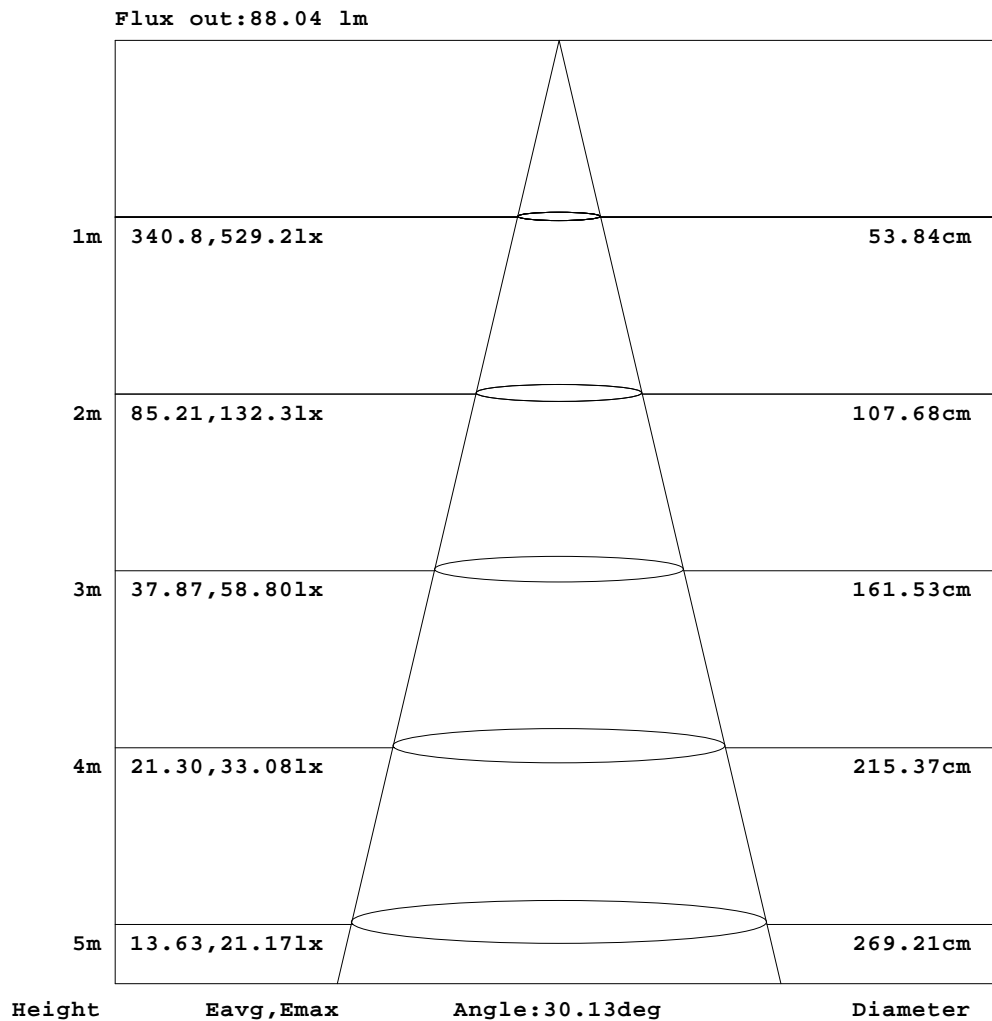


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AAI Figure

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SPEC.: 3000K	DIM.:	SERIAL No.: 2509040600
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:



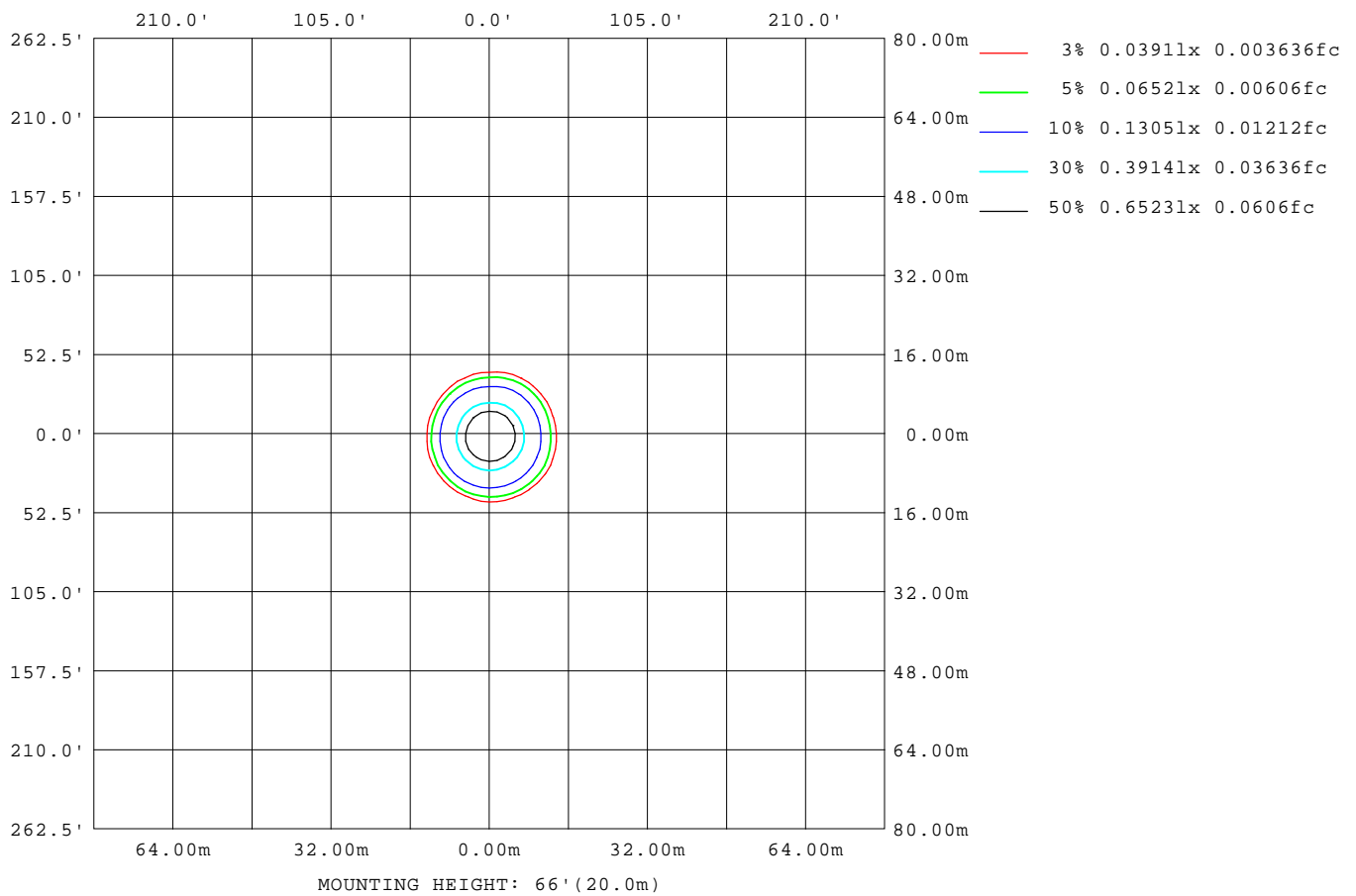
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:24R
DRIVER:LS-3-700 SIE 700mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:220.16V I:0.0232A P:3.0343W PF:0.5846 Freq:49.99Hz Lamp Flux:225.13lx1 lm		
NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040600
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:24R
DRIVER:LS-3-700 SIE 700mA
30minutes warm-up

LED Avg.L Report

Test:U:220.16V I:0.0232A P:3.0343W PF:0.5846 Freq:49.99Hz Lamp Flux:225.131x1 lm		
NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040600
MFR.: RISE	SUR.: 0.0007065m2	Shielding Angle:

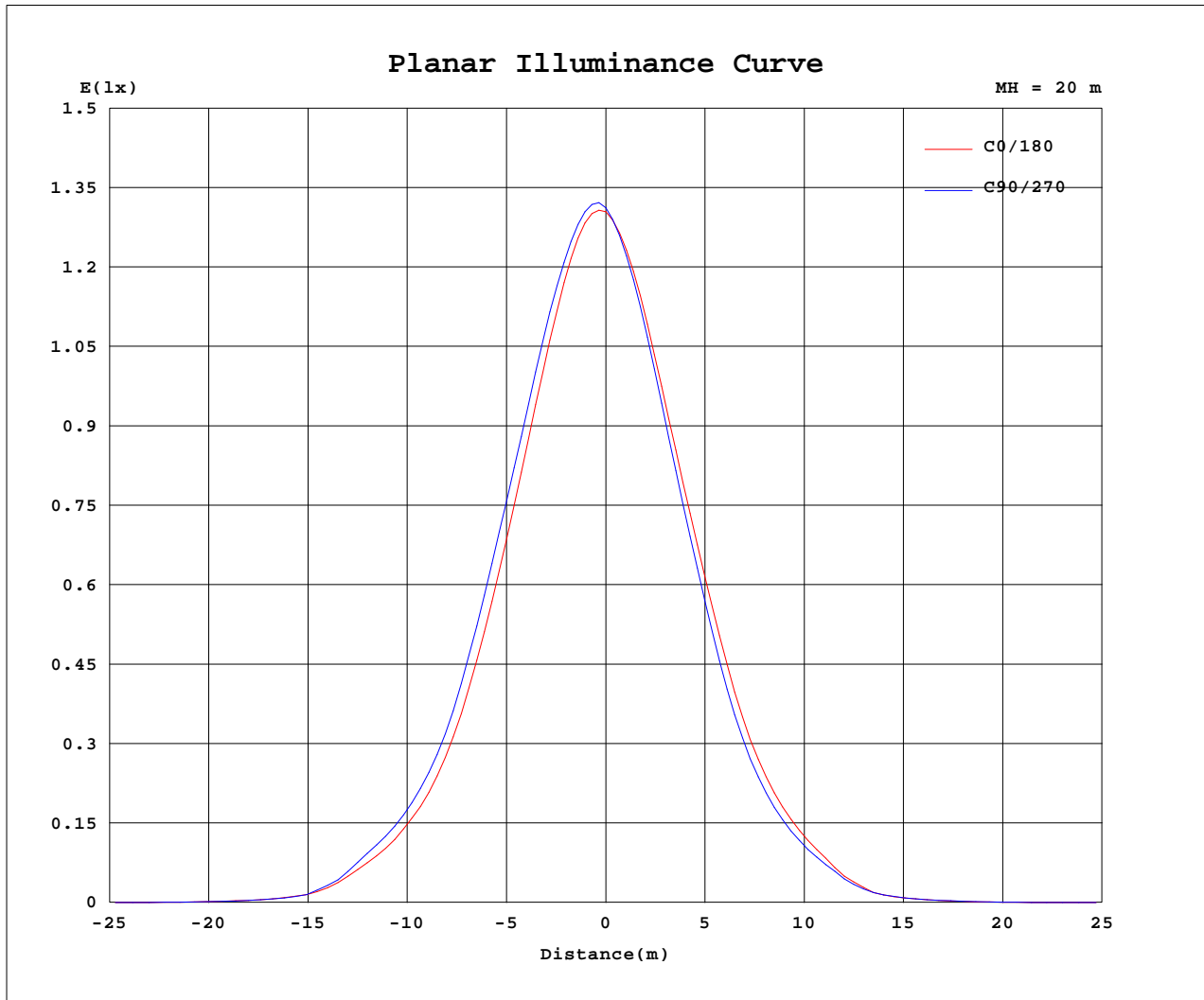
AvgL	cd/m2
L_0~180(65)av	0
L_0~180(75)av	0
L_0~180(85)av	0
L_90~270(65)av	0
L_90~270(75)av	0
L_90~270(85)av	0
L_45(65)av	0
L_45(75)av	0
L_45(85)av	0

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:24R
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: 24R
 DRIVER: LS-3-700 SIE 700mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.16V I:0.0232A P:3.0343W PF:0.5846 Freq:49.99Hz Lamp Flux:225.131x1 lm		
NAME: 2368.100	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509040600
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	524	524	524	524	524	524	524	524	524	524	524	524						
5	494	507	507	505	493	481	466	453	453	455	467	479						
10	395	416	419	419	403	382	360	345	341	341	358	374						
15	280	304	308	310	296	275	249	232	230	227	244	261						
20	173	192	196	199	187	170	149	135	132	131	146	158						
25	98.0	111	114	116	110	98.4	85.0	78.7	73.1	72.7	84.4	92.4						
30	54.7	65.1	68.3	67.0	63.3	52.5	40.8	36.7	35.1	36.3	46.4	51.0						
35	20.5	28.0	25.7	24.1	18.0	13.7	10.5	9.86	9.56	10.5	14.1	17.5						
40	6.36	7.15	6.66	6.11	5.50	4.70	3.75	3.45	3.61	4.00	5.10	5.85						
45	2.20	2.58	2.41	2.09	1.73	1.38	0.93	0.90	0.99	1.05	1.49	1.93						
50	0.37	0.54	0.66	0.52	0.32	0.17	0.09	0.08	0.10	0.13	0.27	0.39						
55	0.03	0.04	0.05	0.05	0.04	0.02	0.01	0.01	0.01	0.02	0.04	0.02						
60	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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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Operators:zoe
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