

Luminaire Photograph



Light Output Ratio:	64.9%	
Luminaire Power:	14.71 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: 2025-4-19

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-30G10TH-A-83 Ra: 90
LENS: WT-35@17-24COBL6-Y1 24R
DRIVER: LS-15-350LI1 EXC 350mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

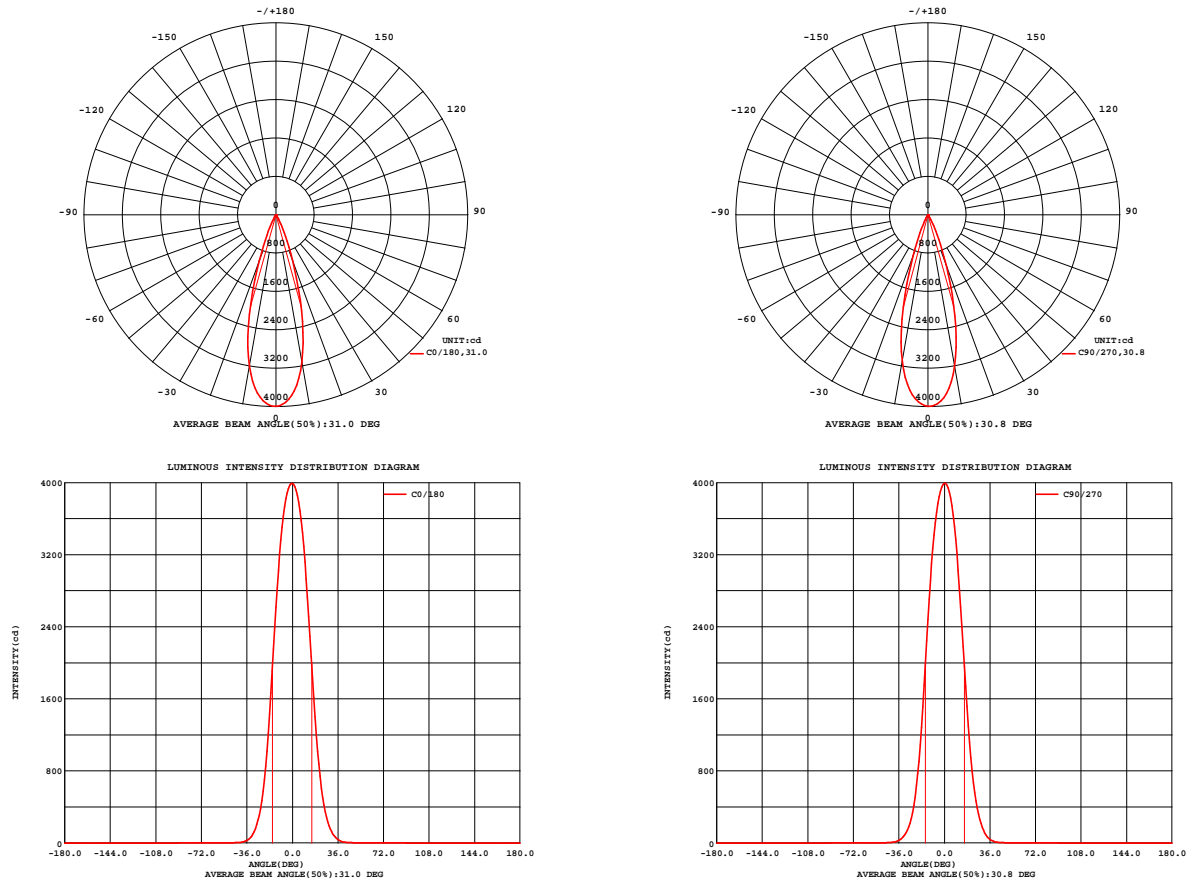


Fig. C0/C180

Fig. C90/C270

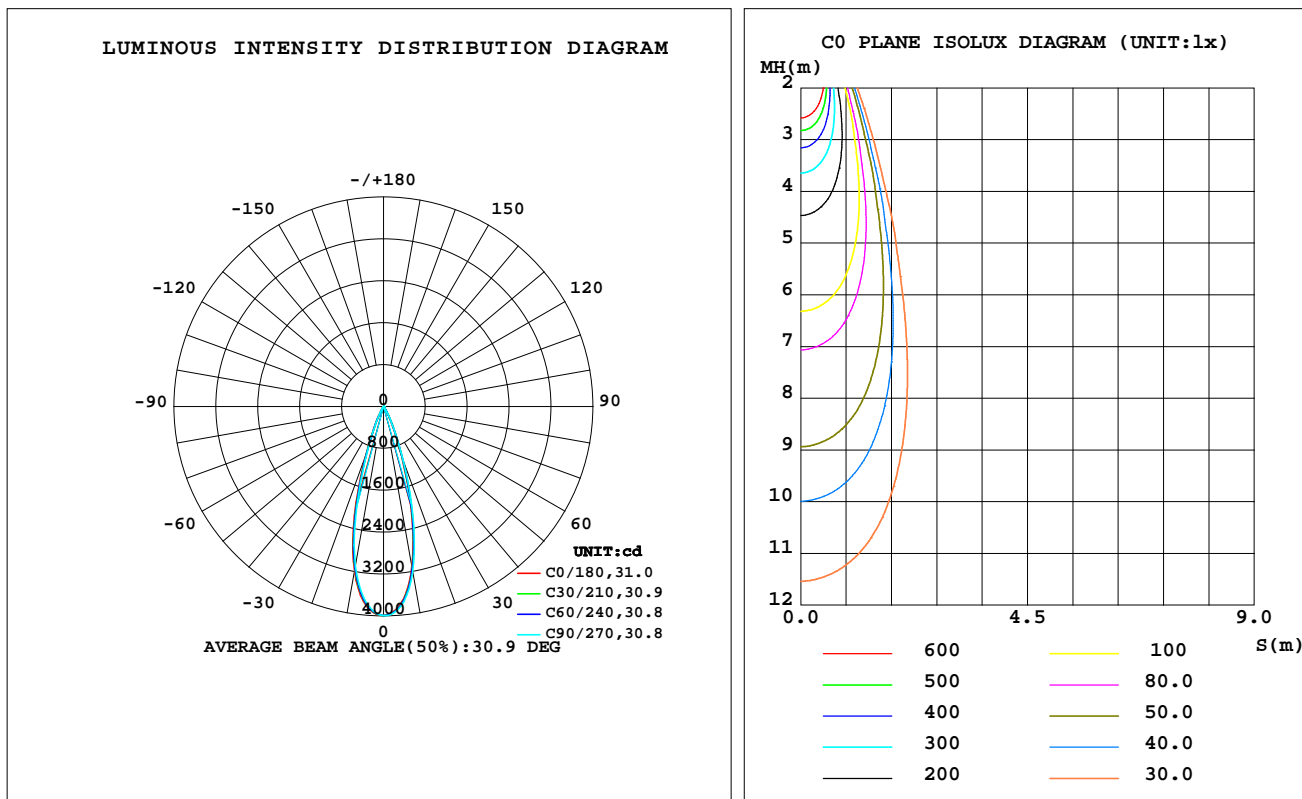
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30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.18V I:0.0689A P:14.709W PF:0.9673 Freq:49.99Hz Lamp Flux:1765.61x1 lm		
NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190241
MFR.: RISE	SUR.: 0.0038465m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.93 lm/W			
MODEL	Brideglux	Imax(cd)	3993	S/MH(C0/180)	0.49
NOMINAL POWER(W)	15	LOR(%)	64.9	S/MH(C90/270)	0.48
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1146.2	η UP,DN(C0-180)	0.0,33.7
NOMINAL FLUX(lm)	1765.61	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,31.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	64.9	CIBSE SHR MAX	0.50



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30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3117	3158	3205	3235	3199	3152	3099	3082	0- 10	342.2	342.2	29.9,19.4
20	1018	1072	1113	1111	1018	941.3	905.1	942.0	10- 20	560.0	902.2	78.7,51.1
30	155.3	174.1	172.8	159.7	127.0	118.9	116.6	133.8	20- 30	203.3	1105	96.4,62.6
40	11.67	13.00	12.21	11.31	8.239	8.460	9.204	10.34	30- 40	34.38	1140	99.4,64.6
50	2.356	2.415	2.148	1.876	1.735	1.837	1.958	2.065	40- 50	3.718	1144	99.8,64.8
60	1.726	1.657	1.477	1.355	1.253	1.336	1.494	1.624	50- 60	1.561	1145	99.9,64.9
70	0.5141	0.4688	0.3728	0.2814	0.2179	0.2230	0.3040	0.3909	60- 70	0.8900	1146	100,64.9
80	0.0740	0.0632	0.0602	0.0413	0.0411	0.0325	0.0471	0.0474	70- 80	0.1572	1146	100,64.9
90	0	0	0	0	0	0	0	0	80- 90	0.0244	1146	100,64.9
100	0	0	0	0	0	0	0	0	90-100	0	1146	100,64.9
110	0	0	0	0	0	0	0	0	100-110	0	1146	100,64.9
120	0	0	0	0	0	0	0	0	110-120	0	1146	100,64.9
130	0	0	0	0	0	0	0	0	120-130	0	1146	100,64.9
140	0	0	0	0	0	0	0	0	130-140	0	1146	100,64.9
150	0	0	0	0	0	0	0	0	140-150	0	1146	100,64.9
160	0	0	0	0	0	0	0	0	150-160	0	1146	100,64.9
170	0	0	0	0	0	0	0	0	160-170	0	1146	100,64.9
180	0	0	0	0	0	0	0	0	170-180	0	1146	100,64.9
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Humidity:65.0%
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30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.18V I:0.0689A P:14.709W PF:0.9673 Freq:49.99Hz
Lamp Flux:1765.6lx1 lm

NAME: D75

TYPE:

WEIGHT:

SPEC.: 3000K

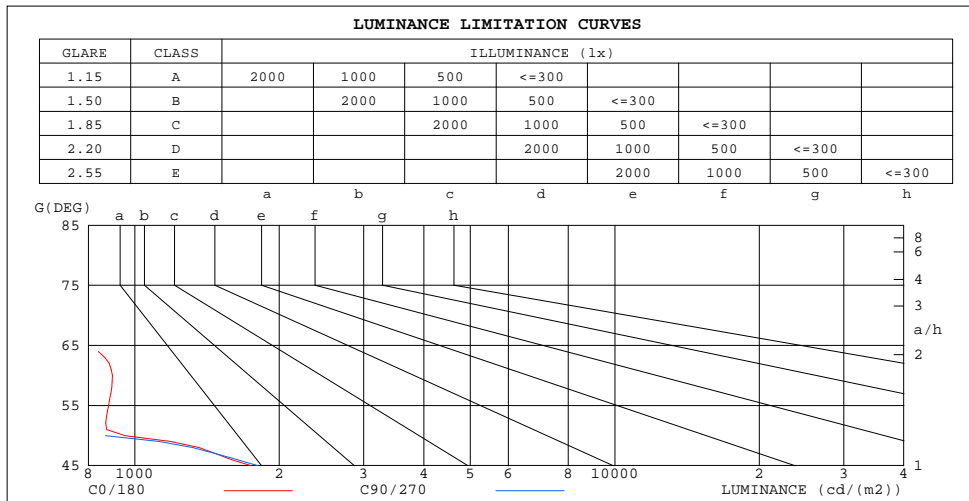
DIM.:

SERIAL No.: 2504190241

MFR.: RISE

SUR.: 0.0038465m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	98	86
80	111	90
75	190	139
70	391	283
65	789	577
60	898	768
55	882	776
50	953	869
45	1748	1806

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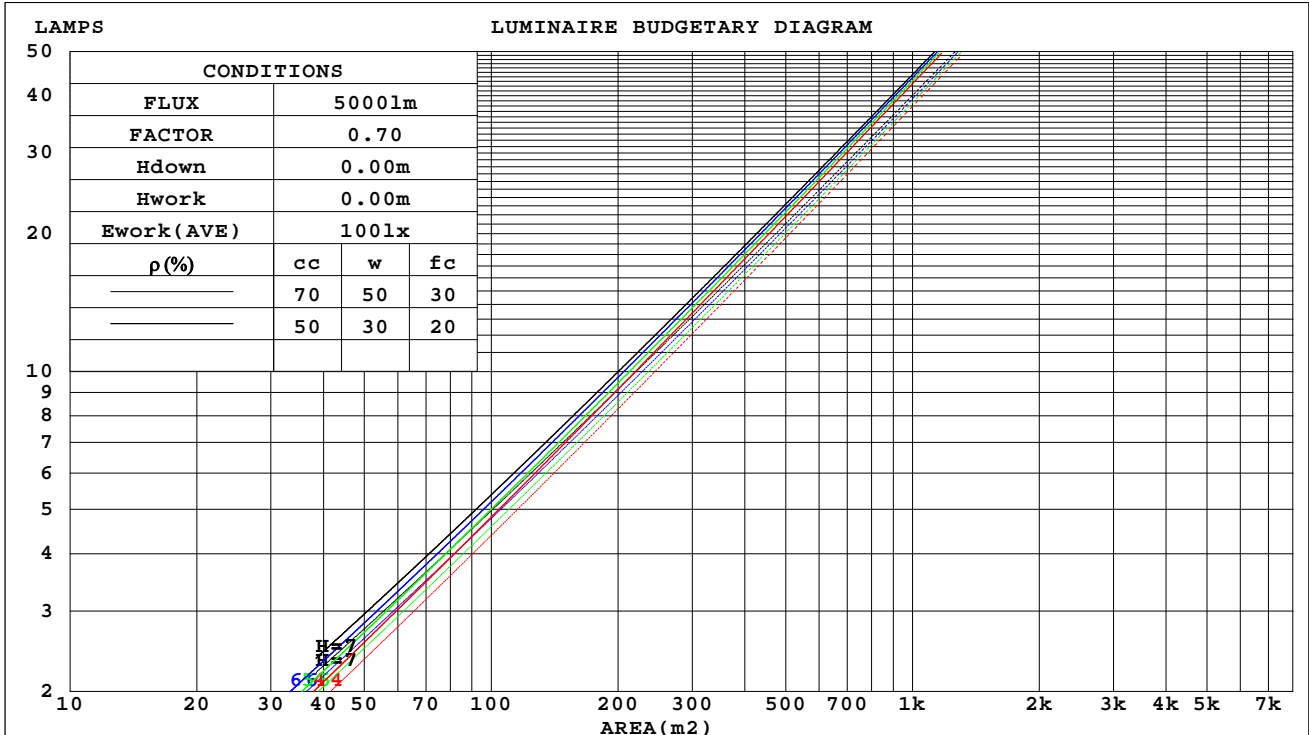
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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MFR.: RISE	SUR.: 0.0038465m2	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	.77	.77	.77	.75	.75	.75	.72	.72	.72	.69	.69	.69	.66	.66	.66	.65
1.0	.73	.72	.71	.72	.71	.70	.69	.68	.68	.67	.66	.66	.65	.64	.64	.63
2.0	.70	.68	.66	.69	.67	.65	.67	.65	.64	.65	.64	.63	.63	.62	.61	.60
3.0	.67	.64	.62	.66	.64	.62	.64	.62	.61	.63	.61	.60	.61	.60	.59	.58
4.0	.64	.61	.59	.63	.61	.59	.62	.60	.58	.61	.59	.58	.60	.58	.57	.56
5.0	.62	.59	.57	.61	.58	.57	.60	.58	.56	.59	.57	.56	.58	.56	.55	.54
6.0	.59	.57	.55	.59	.56	.54	.58	.56	.54	.57	.55	.54	.56	.55	.53	.53
7.0	.57	.55	.53	.57	.54	.52	.56	.54	.52	.56	.53	.52	.55	.53	.52	.51
8.0	.55	.53	.51	.55	.52	.51	.54	.52	.50	.54	.52	.50	.53	.52	.50	.49
9.0	.54	.51	.49	.53	.51	.49	.53	.51	.49	.52	.50	.49	.52	.50	.49	.48
10.0	.52	.49	.48	.52	.49	.48	.51	.49	.47	.51	.49	.47	.51	.49	.47	.47



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WEC AND CCEC

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NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190241
MFR.: RISE	SUR.: 0.0038465m2	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	.090	.051	.016	.086	.049	.016	.078	.045	.014	.070	.041	.013	.064	.037	.012	
2.0	.084	.046	.014	.080	.044	.014	.073	.041	.013	.067	.038	.012	.062	.035	.011	
3.0	.078	.042	.012	.075	.040	.012	.070	.038	.011	.064	.035	.011	.060	.033	.010	
4.0	.073	.038	.011	.071	.037	.011	.066	.035	.010	.062	.033	.010	.058	.031	.010	
5.0	.069	.035	.010	.067	.034	.010	.063	.033	.010	.059	.031	.009	.056	.030	.009	
6.0	.066	.033	.009	.064	.032	.009	.060	.031	.009	.057	.030	.009	.054	.029	.008	
7.0	.063	.031	.009	.061	.030	.009	.058	.029	.008	.055	.028	.008	.053	.027	.008	
8.0	.060	.029	.008	.058	.029	.008	.056	.028	.008	.053	.027	.008	.051	.026	.008	
9.0	.057	.028	.008	.056	.027	.008	.054	.027	.008	.051	.026	.007	.049	.025	.007	
10.0	.055	.026	.007	.054	.026	.007	.052	.025	.007	.050	.025	.007	.048	.024	.007	

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	.124	.124	.124	.106	.106	.106	.072	.072	.072	.041	.041	.041	.013	.013	.013	
1.0	.109	.102	.096	.094	.088	.083	.064	.060	.057	.037	.035	.033	.012	.011	.011	
2.0	.098	.086	.076	.084	.074	.066	.057	.051	.046	.033	.030	.027	.011	.010	.009	
3.0	.088	.074	.062	.075	.063	.054	.052	.044	.038	.030	.026	.022	.010	.008	.007	
4.0	.080	.064	.051	.069	.055	.044	.047	.038	.031	.027	.022	.018	.009	.007	.006	
5.0	.073	.056	.043	.063	.048	.037	.043	.034	.026	.025	.020	.016	.008	.006	.005	
6.0	.068	.049	.036	.058	.043	.031	.040	.030	.022	.023	.018	.013	.008	.006	.004	
7.0	.063	.044	.031	.054	.038	.027	.037	.027	.019	.022	.016	.011	.007	.005	.004	
8.0	.059	.040	.026	.050	.034	.023	.035	.024	.016	.020	.014	.010	.007	.005	.003	
9.0	.055	.036	.023	.047	.031	.020	.033	.022	.014	.019	.013	.008	.006	.004	.003	
10.0	.052	.033	.020	.045	.029	.018	.031	.020	.012	.018	.012	.007	.006	.004	.002	

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UGR(Unified Glare Rating) Table

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NAME: D75					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2504190241		
MFR.: RISE					SUR.: 0.0038465m2			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	5.3	6.0	5.5	6.1	6.3	5.6	6.3	5.9	6.5	6.6
3H	5.2	5.8	5.5	6.0	6.2	5.5	6.1	5.8	6.3	6.5
4H	5.1	5.7	5.4	5.9	6.1	5.4	6.0	5.7	6.2	6.5
6H	5.1	5.6	5.3	5.8	6.1	5.4	5.9	5.6	6.2	6.4
8H	5.0	5.6	5.3	5.8	6.0	5.3	5.9	5.6	6.1	6.4
12H	5.0	5.5	5.3	5.7	6.0	5.3	5.8	5.6	6.1	6.3
4H 2H	5.1	5.7	5.4	5.9	6.1	5.5	6.0	5.7	6.2	6.5
3H	5.0	5.5	5.3	5.8	6.0	5.3	5.8	5.6	6.1	6.4
4H	4.9	5.4	5.3	5.7	6.0	5.2	5.7	5.6	6.0	6.3
6H	4.8	5.2	5.2	5.6	5.9	5.1	5.5	5.5	5.9	6.2
8H	4.8	5.2	5.2	5.5	5.9	5.1	5.5	5.4	5.8	6.2
12H	4.7	5.1	5.1	5.4	5.8	5.0	5.4	5.4	5.7	6.1
8H 4H	4.8	5.2	5.2	5.5	5.9	5.1	5.5	5.4	5.8	6.2
6H	4.7	5.0	5.1	5.4	5.8	5.0	5.3	5.4	5.7	6.1
8H	4.6	4.9	5.0	5.3	5.7	4.9	5.2	5.3	5.6	6.0
12H	4.5	4.8	5.0	5.2	5.7	4.8	5.1	5.3	5.5	6.0
12H 4H	4.7	5.1	5.1	5.4	5.8	5.0	5.4	5.4	5.7	6.1
6H	4.6	4.9	5.0	5.3	5.7	4.9	5.2	5.3	5.6	6.0
8H	4.5	4.8	5.0	5.2	5.7	4.8	5.1	5.3	5.5	6.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.8 / - 6.2					+ 4.1 / - 7.0				
1.5H	+ 6.3 / - 6.2					+ 6.6 / - 6.7				
2.0H	+ 2.4 / - 1.9					+ 2.9 / - 1.8				

CIE Pub.117, 1766 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.0)
Area: 0.0038465 m2

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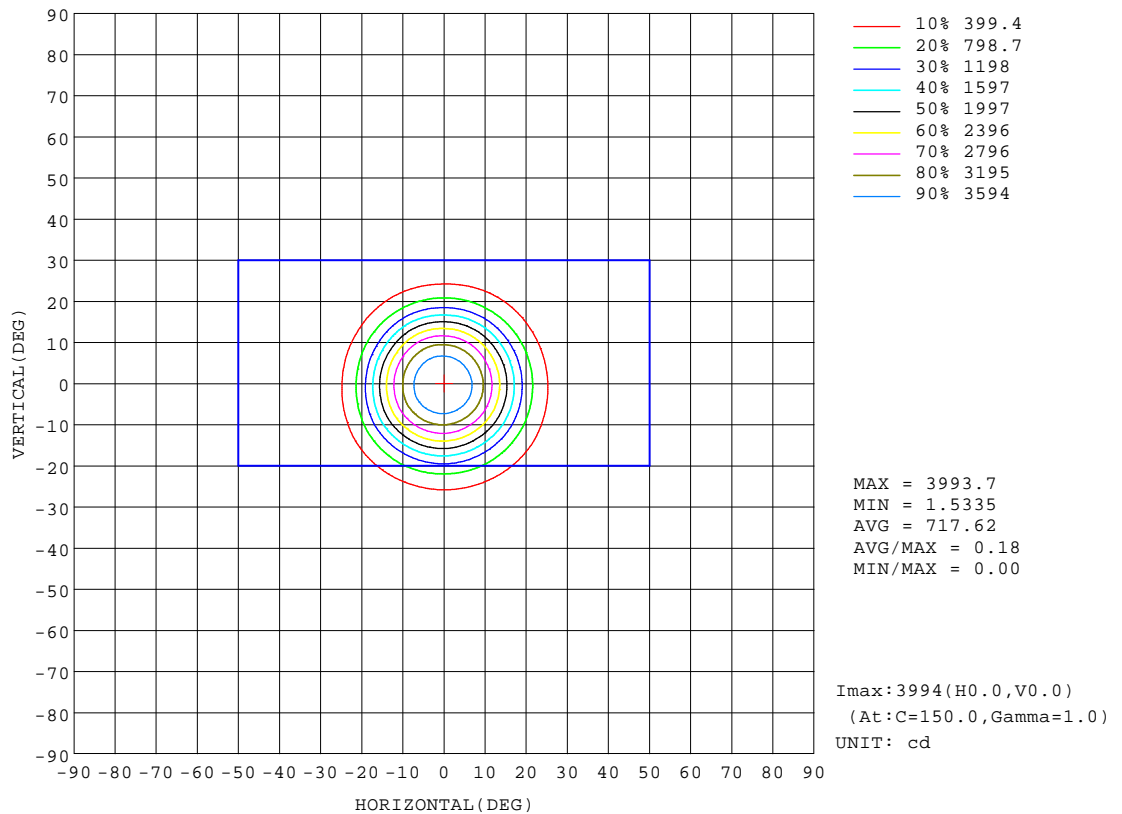
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	56	53	59	55	53	58	55	53	51
0.80	64	60	58	63	60	58	63	60	58	56
1.00	66	63	61	66	63	61	65	62	60	58
1.25	68	65	63	68	65	63	67	64	63	60
1.50	70	67	65	69	67	65	68	66	64	62
2.00	71	69	67	70	68	67	69	67	66	62
2.50	72	70	68	71	69	68	69	68	67	63
3.00	73	71	70	72	70	69	70	69	67	63
4.00	74	73	72	73	72	71	71	70	69	64
5.00	75	74	73	74	73	72	71	70	70	65
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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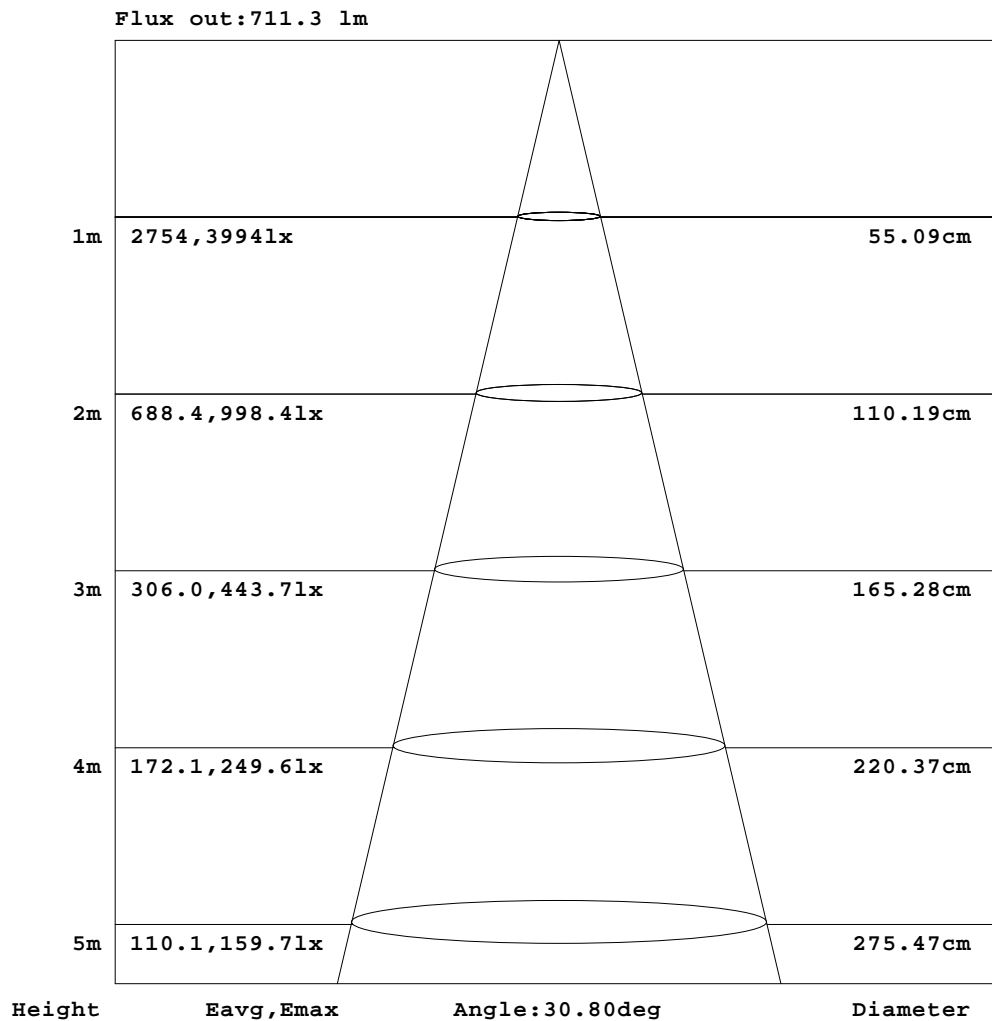


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Test Distance:3.160m [K=1.0000]
Remarks: LAMP:BXRE-30G10TH-A-83 Ra:90
LENS:WT-35@17-24COBL6-Y1 24R
DRIVER:LS-15-350LI1 EXC 350mA
30minutes warm-up

AAI Figure

Test:U:220.18V I:0.0689A P:14.709W PF:0.9673 Freq:49.99Hz Lamp Flux:1765.61x1 lm		
NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190241
MFR.: RISE	SUR.: 0.0038465m2	Shielding Angle:



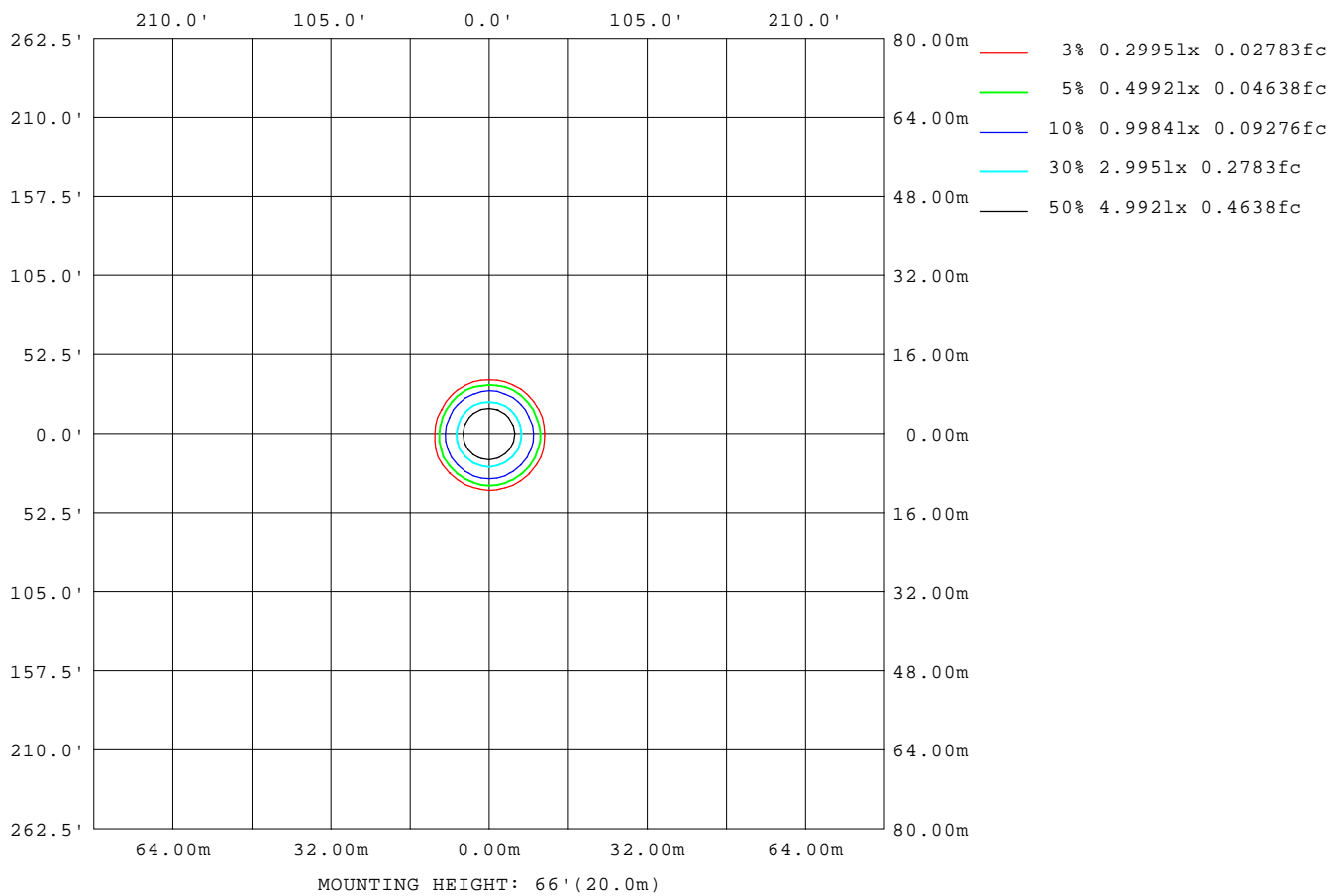
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2025-4-19

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-30G10TH-A-83 Ra: 90
LENS: WT-35@17-24COBL6-Y1 24R
DRIVER: LS-15-350LI1 EXC 350mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:220.18V I:0.0689A P:14.709W PF:0.9673 Freq:49.99Hz Lamp Flux:1765.61x1 lm		
NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190241
MFR.: RISE	SUR.: 0.0038465m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2025-4-19

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-30G10TH-A-83 Ra: 90
LENS: WT-35@17-24COBL6-Y1 24R
DRIVER: LS-15-350LI1 EXC 350mA
30minutes warm-up

LED Avg.L Report

Test:U:220.18V I:0.0689A P:14.709W PF:0.9673 Freq:49.99Hz Lamp Flux:1765.61x1 lm		
NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190241
MFR.: RISE	SUR.: 0.0038465m2	Shielding Angle:

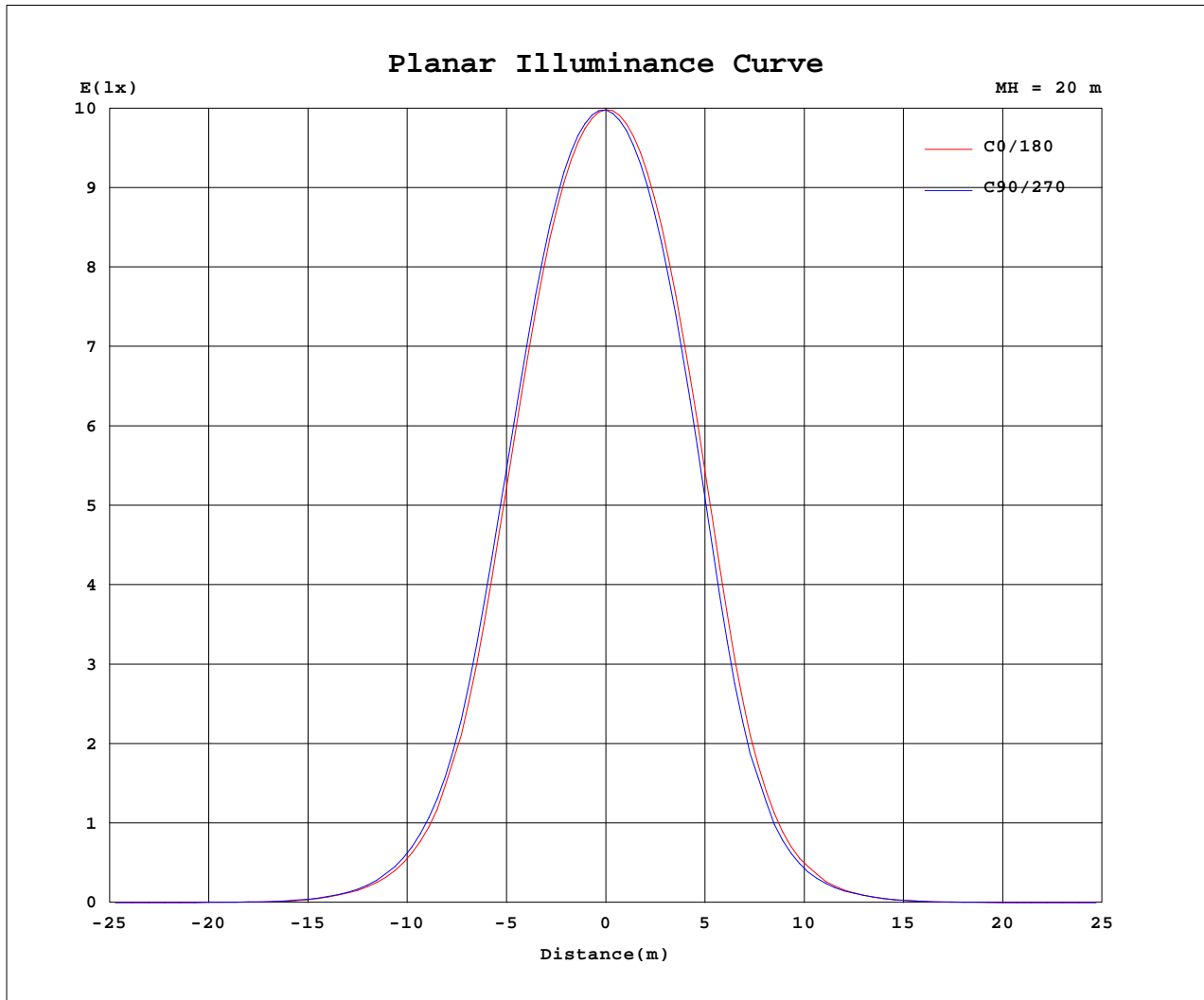
AvgL	cd/m2
L_0~180(65)av	577
L_0~180(75)av	137
L_0~180(85)av	78
L_90~270(65)av	539
L_90~270(75)av	124
L_90~270(85)av	87
L_45(65)av	541
L_45(75)av	123
L_45(85)av	43

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2025-4-19

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-30G10TH-A-83 Ra:90
LENS:WT-35@17-24COBL6-Y1 24R
DRIVER:LS-15-350LI1 EXC 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: 2025-4-19

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-30G10TH-A-83 Ra: 90
 LENS: WT-35@17-24COBL6-Y1 24R
 DRIVER: LS-15-350LI1 EXC 350mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.18V I:0.0689A P:14.709W PF:0.9673 Freq:49.99Hz Lamp Flux:1765.61x1 lm		
NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190241
MFR.: RISE	SUR.: 0.0038465m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3992	3992	3992	3992	3992	3992	3992	3992	3992	3992	3992	3992						
5	3780	3801	3809	3826	3834	3840	3819	3796	3786	3766	3760	3757						
10	3117	3152	3164	3205	3228	3243	3199	3161	3144	3099	3084	3079						
15	2069	2113	2128	2181	2210	2233	2152	2080	2059	1995	2004	2008						
20	1018	1068	1077	1113	1111	1111	1018	948	935	905	930	954						
25	417	456	456	469	453	435	380	347	348	336	360	377						
30	155	171	177	173	162	158	127	116	122	117	127	140						
35	51.5	56.7	62.2	55.6	51.3	50.5	37.8	34.8	38.9	37.7	42.3	47.0						
40	11.7	12.8	13.2	12.2	11.4	11.2	8.24	8.14	8.78	9.20	10.1	10.6						
45	4.75	5.04	5.15	4.91	4.62	4.44	3.58	3.35	3.58	3.77	3.91	4.24						
50	2.36	2.55	2.28	2.15	1.91	1.84	1.73	1.80	1.87	1.96	2.01	2.11						
55	1.94	1.90	1.83	1.71	1.63	1.61	1.54	1.60	1.70	1.77	1.83	1.90						
60	1.73	1.69	1.62	1.48	1.38	1.33	1.25	1.29	1.38	1.49	1.58	1.67						
65	1.28	1.27	1.09	0.94	0.77	0.67	0.59	0.59	0.66	0.81	0.96	1.05						
70	0.51	0.51	0.43	0.37	0.31	0.26	0.22	0.21	0.24	0.30	0.37	0.41						
75	0.19	0.19	0.16	0.14	0.11	0.09	0.08	0.08	0.09	0.11	0.12	0.14						
80	0.07	0.07	0.06	0.06	0.05	0.04	0.04	0.03	0.03	0.05	0.04	0.05						
85	0.03	0.02	0.02	0.03	0.02	0.01	0.02	0.01	0.01	0.03	0.01	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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