

Luminaire Photograph



Light Output Ratio:	55.1%	
Luminaire Power:	14.68 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.80	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@17-60COBL6-Y1 60R
DRIVER: LS-15-350LI1 EXC 350mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

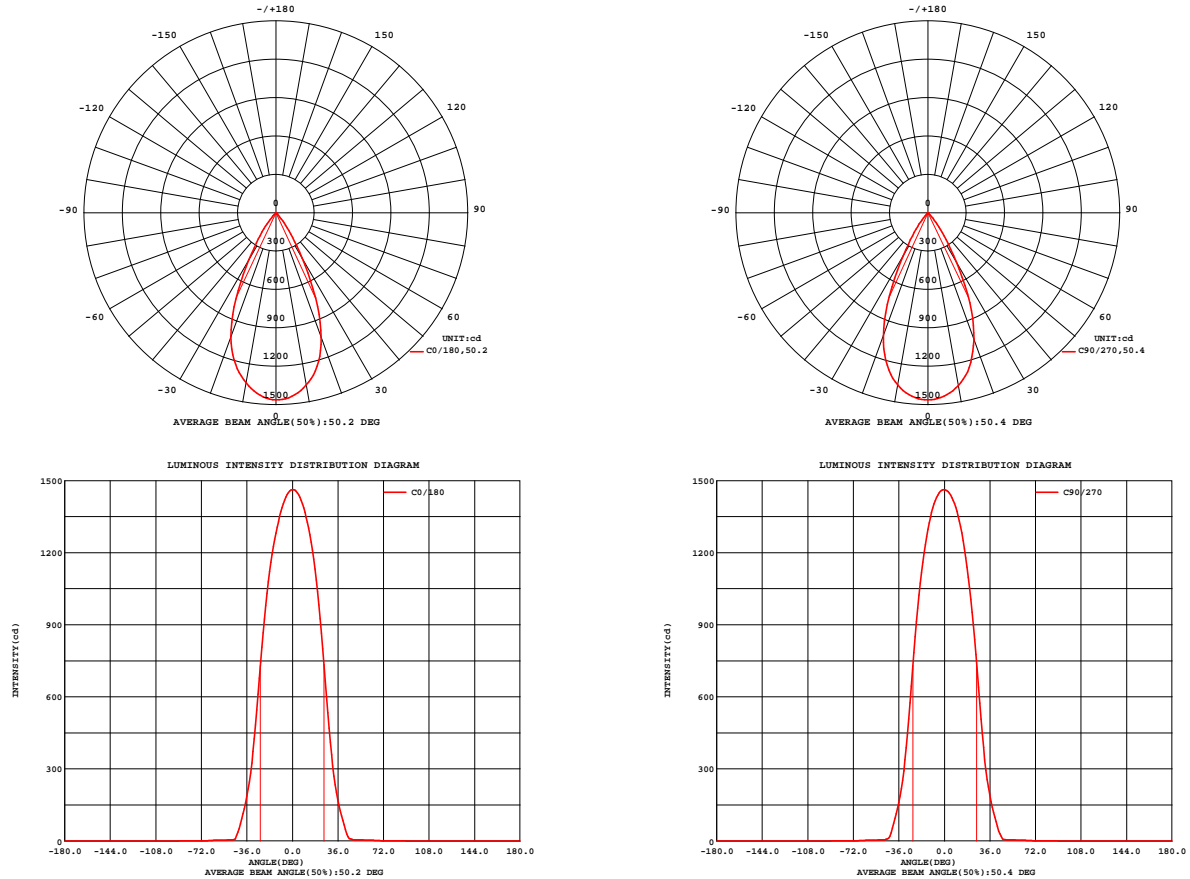


Fig. C0/C180

Fig. C90/C270

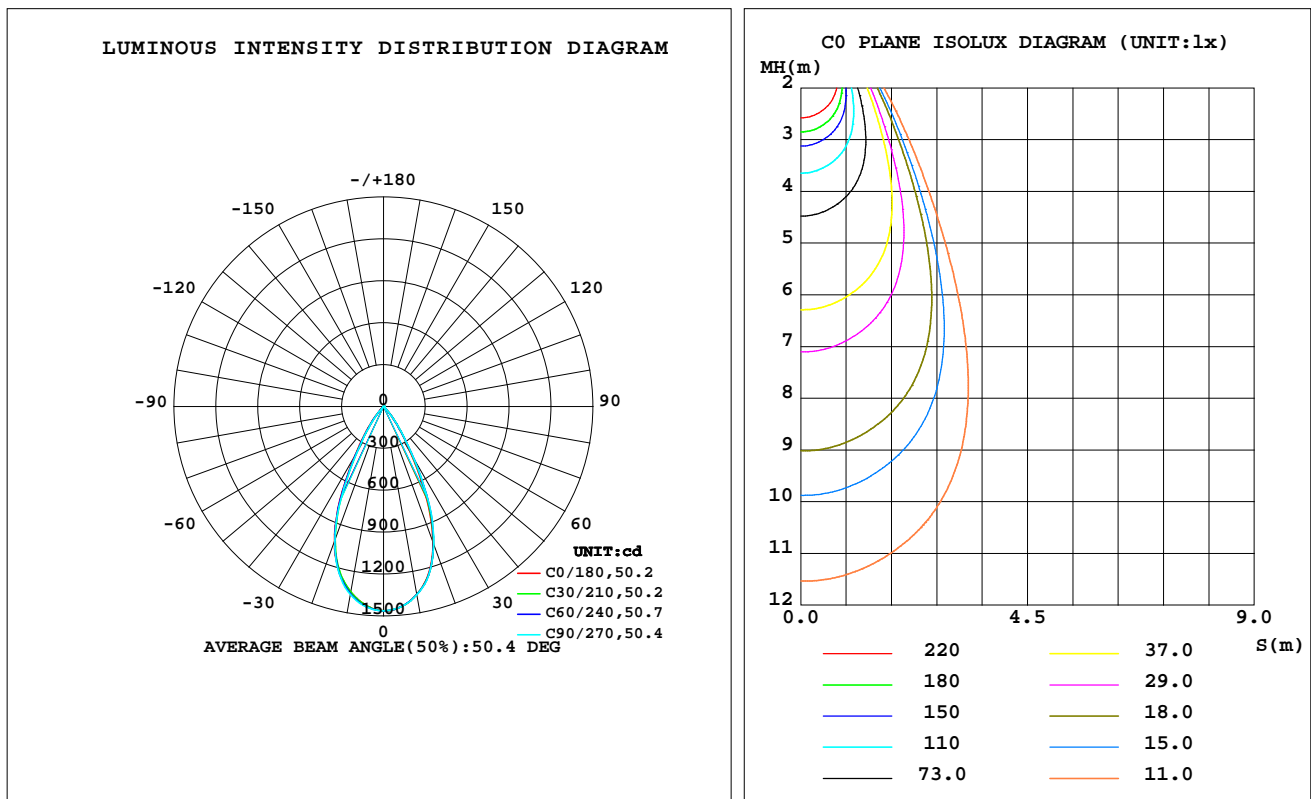
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LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.18V I:0.0687A P:14.681W PF:0.9674 Freq:49.99Hz Lamp Flux:1765.61x1 lm		
NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190243
MFR.: RISE	SUR.: 0.0038465m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 66.23 lm/W			
MODEL	Brideglux	I _{max} (cd)	1465	S/MH(C0/180)	0.76
NOMINAL POWER(W)	15	LOR(%)	55.1	S/MH(C90/270)	0.75
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	972.30	η UP,DN(C0-180)	0.0,28.0
NOMINAL FLUX(lm)	1765.61	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,27.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	55.1	CIBSE SHR MAX	0.80



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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	1368	1368	1371	1352	1350	1355	1368	1384	0- 10	134.9	134.9	13.9,7.64
20	1037	1048	1053	1032	1031	1018	1023	1049	10- 20	342.6	477.5	49.1,27
30	411.6	439.6	445.6	448.1	425.3	402.1	387.9	404.8	20- 30	333.2	810.8	83.4,45.9
40	86.53	95.87	98.92	103.2	92.78	80.95	73.86	78.72	30- 40	136.3	947.1	97.4,53.6
50	4.596	4.706	4.671	4.542	4.078	4.054	4.145	4.231	40- 50	19.02	966.2	99.4,54.7
60	3.576	3.658	3.562	3.439	3.157	3.103	3.210	3.380	50- 60	3.504	969.7	99.7,54.9
70	1.150	1.199	1.131	0.9528	0.7689	0.7100	0.8016	0.9426	60- 70	2.158	971.8	100,55
80	0.1415	0.1489	0.1440	0.1103	0.0865	0.0766	0.0922	0.1074	70- 80	0.4403	972.3	100,55.1
90	0	0	0	0	0	0	0	0	80- 90	0.0414	972.3	100,55.1
100	0	0	0	0	0	0	0	0	90-100	0	972.3	100,55.1
110	0	0	0	0	0	0	0	0	100-110	0	972.3	100,55.1
120	0	0	0	0	0	0	0	0	110-120	0	972.3	100,55.1
130	0	0	0	0	0	0	0	0	120-130	0	972.3	100,55.1
140	0	0	0	0	0	0	0	0	130-140	0	972.3	100,55.1
150	0	0	0	0	0	0	0	0	140-150	0	972.3	100,55.1
160	0	0	0	0	0	0	0	0	150-160	0	972.3	100,55.1
170	0	0	0	0	0	0	0	0	160-170	0	972.3	100,55.1
180	0	0	0	0	0	0	0	0	170-180	0	972.3	100,55.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
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30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.18V I:0.0687A P:14.681W PF:0.9674 Freq:49.99Hz
Lamp Flux:1765.61x1 lm

NAME: D75

TYPE:

WEIGHT:

SPEC.: 3000K

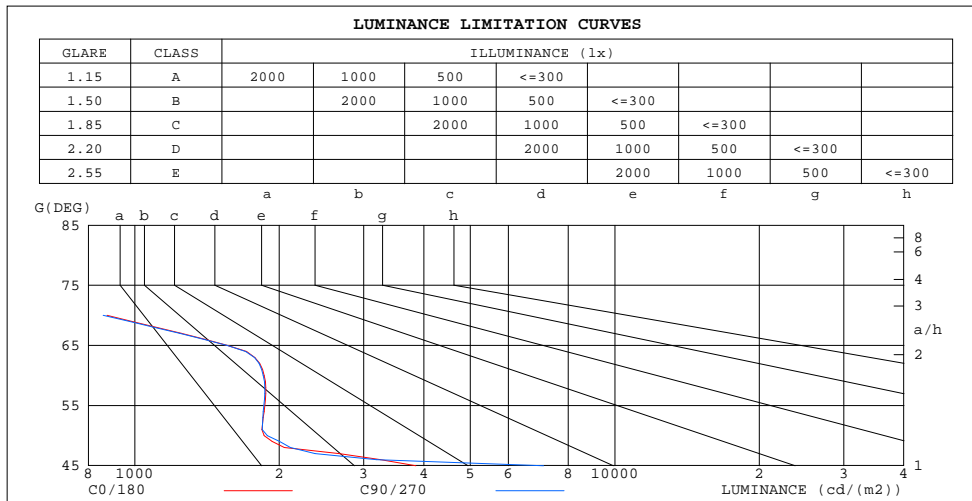
DIM.:

SERIAL No.: 2504190243

MFR.: RISE

SUR.: 0.0038465m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	109	117
80	212	216
75	452	441
70	875	860
65	1560	1556
60	1861	1852
55	1865	1858
50	1860	1890
45	3849	7106

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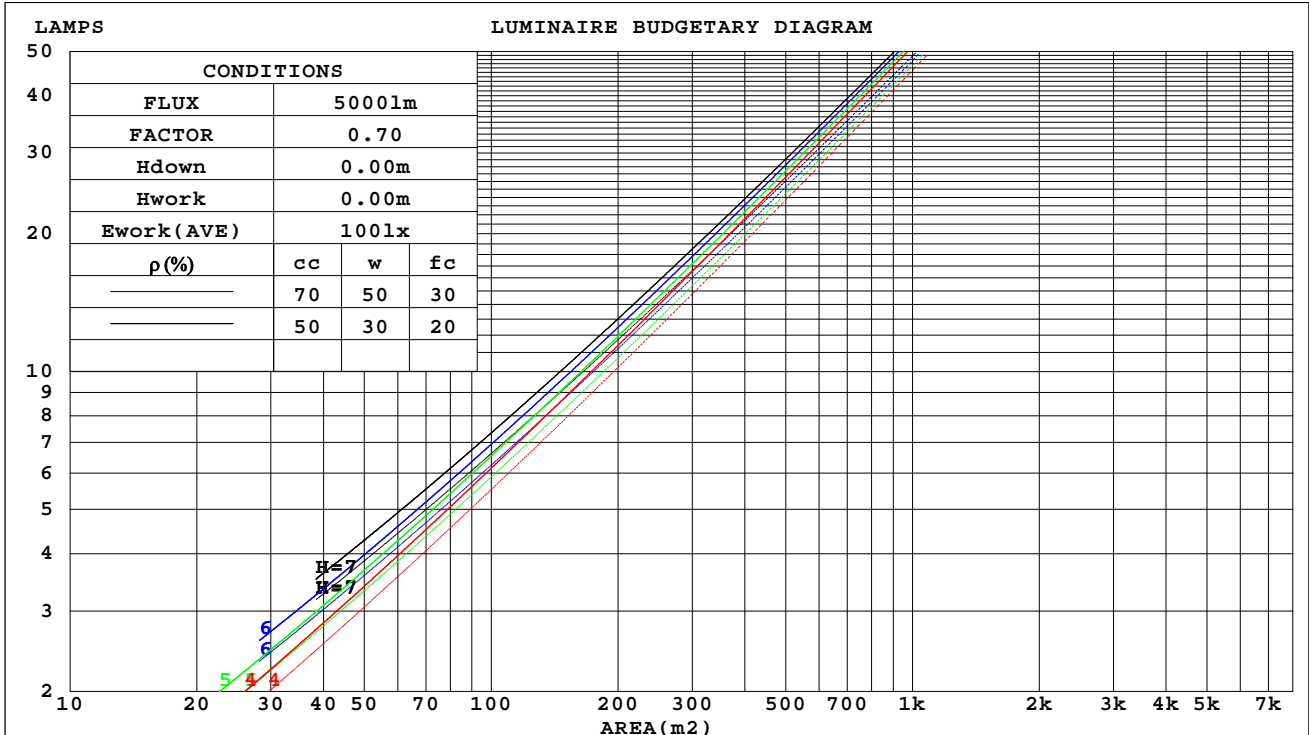
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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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	.66	.66	.66	.64	.64	.64	.61	.61	.61	.59	.59	.59	.56	.56	.56	.55
1.0	.61	.60	.59	.60	.59	.58	.58	.57	.56	.56	.55	.55	.54	.54	.53	.52
2.0	.58	.56	.54	.57	.55	.53	.55	.53	.52	.53	.52	.51	.52	.51	.50	.49
3.0	.54	.52	.50	.53	.51	.49	.52	.50	.49	.51	.49	.48	.49	.48	.47	.46
4.0	.51	.48	.46	.50	.48	.46	.49	.47	.45	.48	.46	.45	.47	.46	.44	.44
5.0	.48	.45	.43	.48	.45	.43	.47	.44	.43	.46	.44	.42	.45	.43	.42	.41
6.0	.46	.43	.41	.45	.42	.40	.44	.42	.40	.44	.42	.40	.43	.41	.40	.39
7.0	.43	.40	.38	.43	.40	.38	.42	.40	.38	.42	.39	.38	.41	.39	.38	.37
8.0	.41	.38	.36	.41	.38	.36	.40	.38	.36	.40	.37	.36	.39	.37	.36	.35
9.0	.39	.36	.34	.39	.36	.34	.38	.36	.34	.38	.36	.34	.38	.35	.34	.33
10.0	.37	.34	.33	.37	.34	.32	.37	.34	.32	.36	.34	.32	.36	.34	.32	.32



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WEC AND CCEC

Test:U:220.18V I:0.0687A P:14.681W PF:0.9674 Freq:49.99Hz Lamp Flux:1765.6lx1 lm		
NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190243
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	.091	.051	.016	.087	.050	.016	.080	.046	.015	.074	.042	.014	.068	.039	.013	
2.0	.086	.047	.014	.083	.046	.014	.077	.043	.013	.072	.040	.013	.067	.038	.012	
3.0	.082	.043	.013	.079	.042	.013	.074	.040	.012	.070	.038	.012	.065	.036	.011	
4.0	.078	.040	.012	.075	.039	.012	.071	.038	.011	.067	.036	.011	.064	.035	.011	
5.0	.074	.038	.011	.072	.037	.011	.068	.036	.010	.065	.034	.010	.062	.033	.010	
6.0	.071	.035	.010	.069	.035	.010	.066	.034	.010	.063	.033	.010	.060	.032	.009	
7.0	.068	.033	.009	.066	.033	.009	.063	.032	.009	.061	.031	.009	.058	.030	.009	
8.0	.065	.032	.009	.063	.031	.009	.061	.030	.009	.059	.030	.009	.056	.029	.008	
9.0	.062	.030	.008	.061	.030	.008	.059	.029	.008	.057	.028	.008	.055	.028	.008	
10.0	.060	.029	.008	.059	.028	.008	.057	.028	.008	.055	.027	.008	.053	.027	.008	

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	.105	.105	.105	.090	.090	.090	.061	.061	.061	.035	.035	.035	.011	.011	.011		
1.0	.094	.087	.080	.080	.074	.069	.055	.051	.048	.032	.030	.028	.010	.010	.009		
2.0	.085	.073	.063	.073	.063	.054	.050	.043	.038	.029	.025	.022	.009	.008	.007		
3.0	.078	.062	.050	.067	.054	.044	.046	.037	.031	.026	.022	.018	.008	.007	.006		
4.0	.072	.054	.041	.061	.047	.036	.042	.033	.025	.024	.019	.015	.008	.006	.005		
5.0	.067	.048	.034	.057	.041	.029	.039	.029	.021	.023	.017	.012	.007	.006	.004		
6.0	.062	.043	.028	.054	.037	.025	.037	.026	.017	.021	.015	.010	.007	.005	.003		
7.0	.059	.038	.024	.051	.033	.021	.035	.023	.015	.020	.014	.009	.007	.004	.003		
8.0	.056	.035	.021	.048	.030	.018	.033	.021	.013	.019	.013	.008	.006	.004	.003		
9.0	.053	.032	.018	.045	.028	.016	.031	.019	.011	.018	.011	.007	.006	.004	.002		
10.0	.050	.029	.016	.043	.026	.014	.030	.018	.010	.018	.011	.006	.006	.003	.002		

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UGR(Unified Glare Rating) Table

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NAME: D75					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2504190243		
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	14.5	15.4	14.7	15.5	15.7	14.9	15.7	15.1	15.9	16.0
	3H	14.3	15.1	14.6	15.3	15.5	14.7	15.5	15.0	15.7
	4H	14.3	15.0	14.5	15.2	15.4	14.6	15.4	14.9	15.6
	6H	14.2	14.9	14.5	15.1	15.4	14.5	15.2	14.8	15.5
	8H	14.1	14.8	14.4	15.1	15.3	14.5	15.2	14.8	15.4
	12H	14.1	14.7	14.4	15.0	15.3	14.4	15.1	14.8	15.4
4H	2H	14.3	15.0	14.5	15.2	15.4	14.6	15.4	14.9	15.6
	3H	14.1	14.8	14.4	15.0	15.3	14.5	15.1	14.8	15.4
	4H	14.0	14.6	14.4	14.9	15.2	14.4	15.0	14.7	15.2
	6H	13.9	14.4	14.3	14.8	15.1	14.3	14.8	14.6	15.1
	8H	13.9	14.3	14.3	14.7	15.1	14.2	14.7	14.6	15.0
	12H	13.8	14.3	14.2	14.6	15.0	14.2	14.6	14.6	15.0
8H	4H	13.9	14.3	14.3	14.7	15.1	14.2	14.7	14.6	15.0
	6H	13.8	14.2	14.2	14.5	15.0	14.1	14.5	14.5	14.9
	8H	13.7	14.1	14.2	14.5	14.9	14.1	14.4	14.5	14.8
	12H	13.6	13.9	14.1	14.4	14.9	14.0	14.3	14.5	14.7
12H	4H	13.8	14.3	14.2	14.6	15.0	14.2	14.6	14.6	15.0
	6H	13.7	14.1	14.2	14.5	14.9	14.1	14.4	14.5	14.8
	8H	13.6	13.9	14.1	14.4	14.9	14.0	14.3	14.5	14.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.6 / -11.8					+ 3.7 / -12.4				
1.5H	+ 6.3 / -11.5					+ 6.5 / -12.1				
2.0H	+ 2.7 / - 1.4					+ 6.3 / - 2.0				

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

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UTILIZATION FACTORS TABLE

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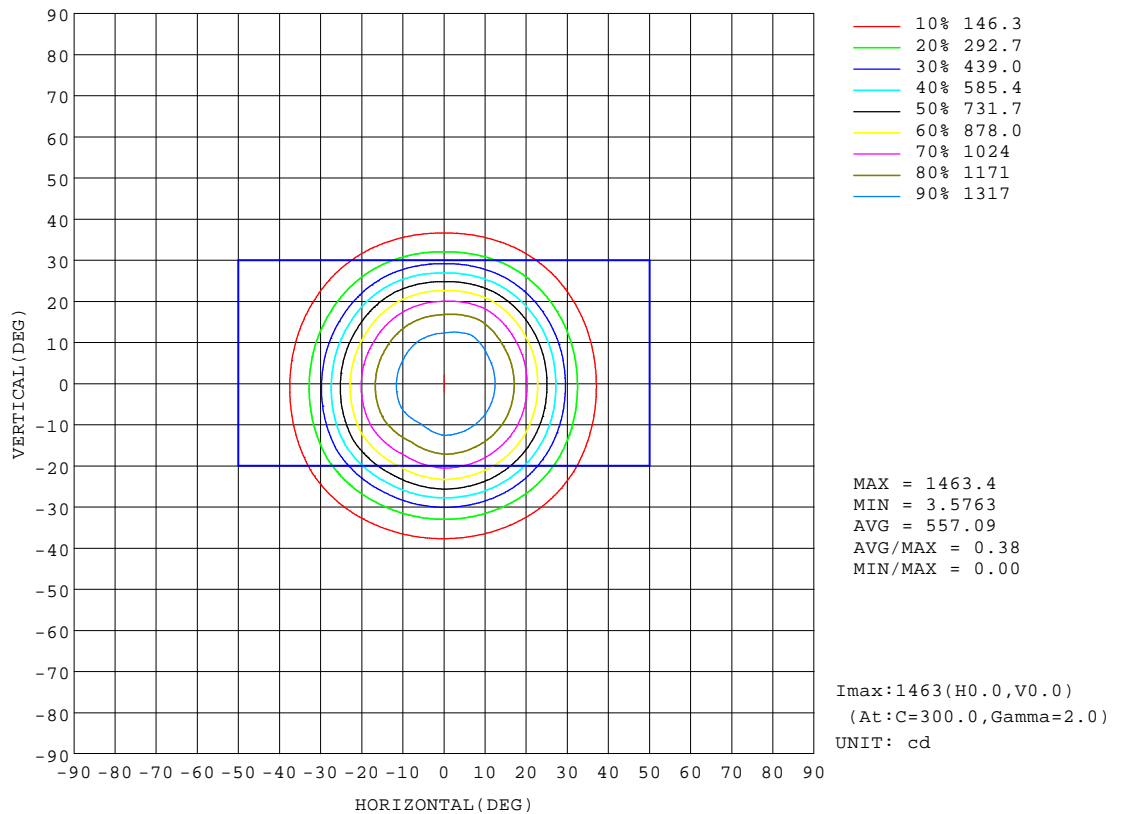
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	46	44	49	46	44	49	46	44	42
0.80	53	50	49	53	50	49	52	50	48	46
1.00	56	53	51	55	53	51	54	52	51	48
1.25	58	55	53	57	55	53	56	54	53	50
1.50	59	57	55	58	56	55	57	55	54	52
2.00	60	58	57	60	58	56	58	57	55	53
2.50	61	59	58	60	59	57	59	57	56	53
3.00	62	60	59	61	59	58	59	58	57	54
4.00	63	62	60	62	61	60	60	59	58	54
5.00	64	62	62	62	61	61	60	60	59	55
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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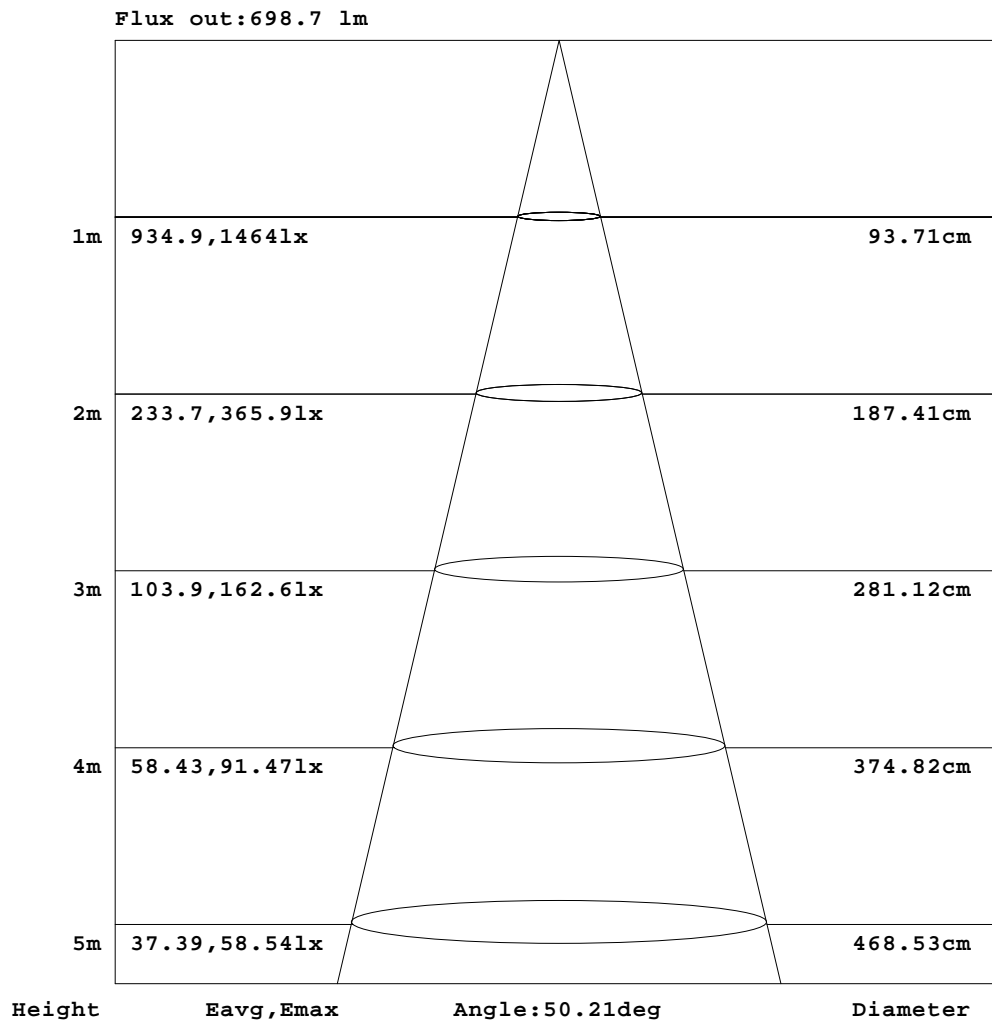


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DRIVER:LS-15-350LI1 EXC 350mA
30minutes warm-up

AAI Figure

Test:U:220.18V I:0.0687A P:14.681W PF:0.9674 Freq:49.99Hz Lamp Flux:1765.61x1 lm		
NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190243
MFR.: RISE	SUR.: 0.0038465m2	Shielding Angle:



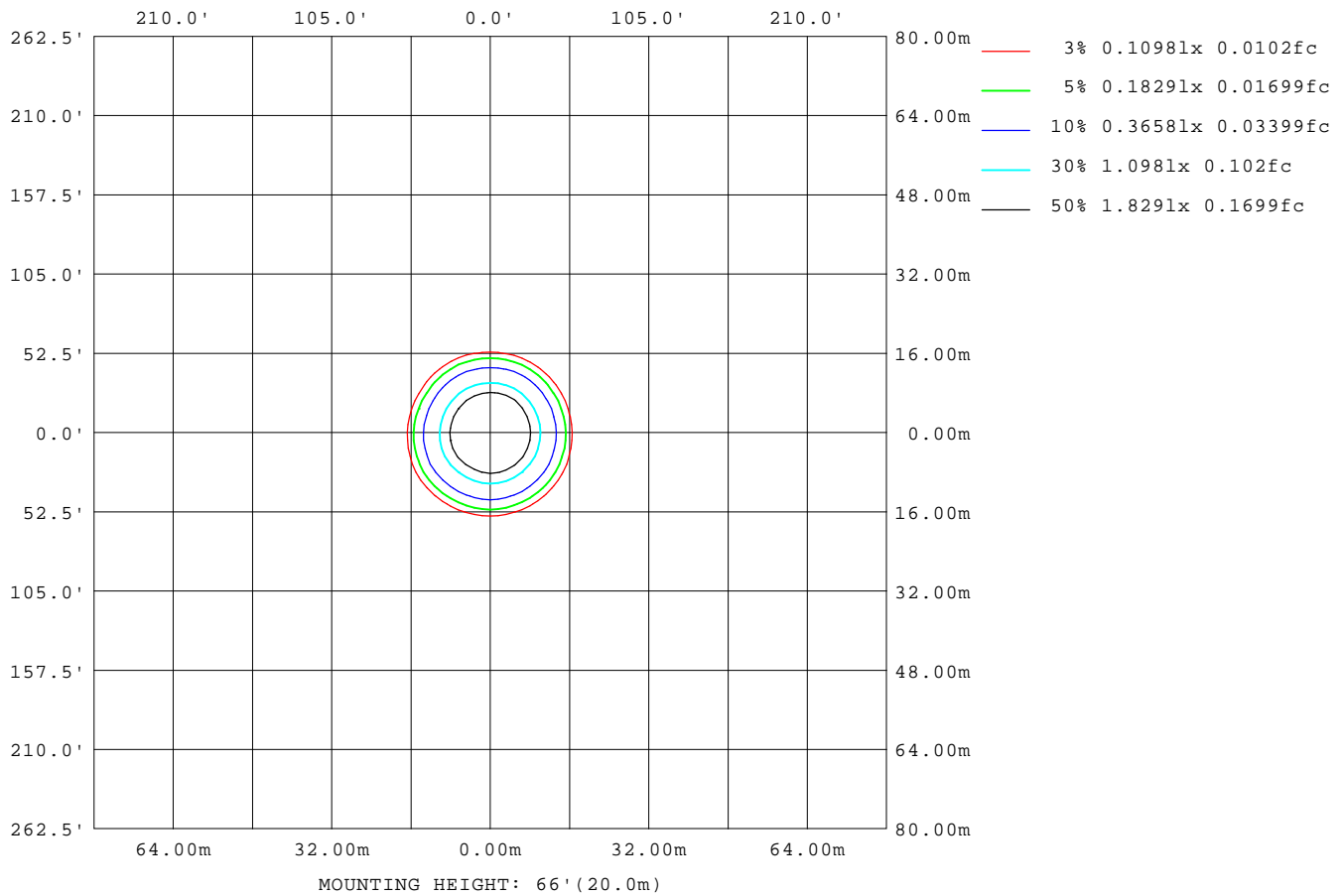
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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@17-60COBL6-Y1 60R
DRIVER: LS-15-350LI1 EXC 350mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:220.18V I:0.0687A P:14.681W PF:0.9674 Freq:49.99Hz Lamp Flux:1765.61x1 lm		
NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190243
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@17-60COBL6-Y1 60R
DRIVER:LS-15-350LI1 EXC 350mA
30minutes warm-up

LED Avg.L Report

Test:U:220.18V I:0.0687A P:14.681W PF:0.9674 Freq:49.99Hz Lamp Flux:1765.61x1 lm		
NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190243
MFR.: RISE	SUR.: 0.0038465m2	Shielding Angle:

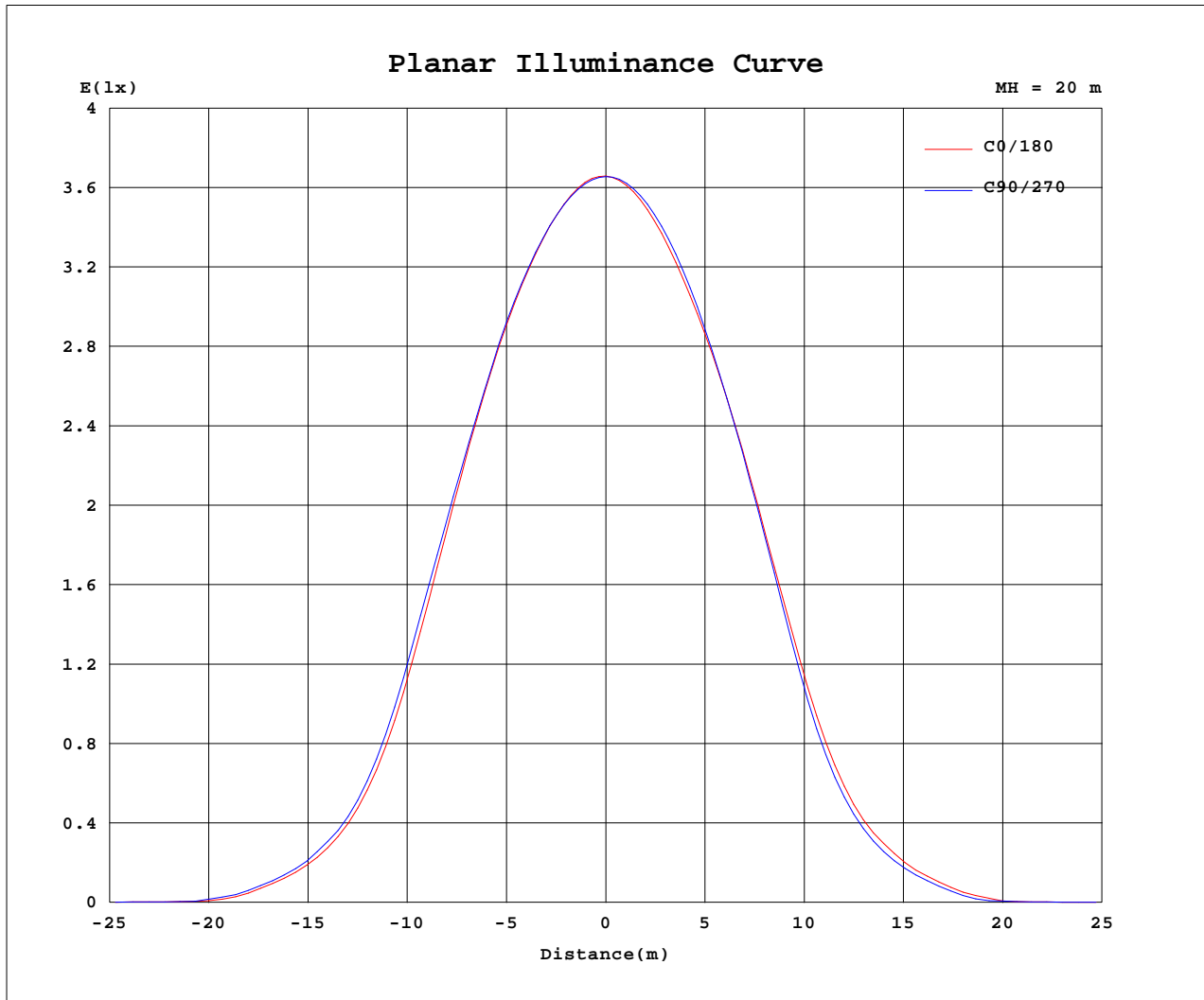
AvgL	cd/m2
L_0~180(65)av	1353
L_0~180(75)av	367
L_0~180(85)av	93
L_90~270(65)av	1356
L_90~270(75)av	369
L_90~270(85)av	100
L_45(65)av	1337
L_45(75)av	360
L_45(85)av	81

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@17-60COBL6-Y1 60R
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@17-60COBL6-Y1 60R
 DRIVER: LS-15-350LI1 EXC 350mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.18V I:0.0687A P:14.681W PF:0.9674 Freq:49.99Hz
Lamp Flux:1765.61x1 lm

NAME: D75	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2504190243
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	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462						
5	1440	1440	1439	1439	1426	1433	1431	1430	1437	1440	1454	1442						
10	1368	1368	1369	1371	1345	1359	1350	1348	1361	1368	1396	1373						
15	1244	1249	1249	1251	1218	1241	1226	1220	1232	1233	1273	1247						
20	1037	1048	1048	1053	1018	1046	1031	1013	1023	1023	1061	1037						
25	734	756	773	776	752	782	743	718	735	714	746	733						
30	412	434	445	446	434	462	425	400	404	388	407	403						
35	202	218	217	225	219	235	217	196	198	187	199	193						
40	86.5	94.1	97.6	98.9	100	106	92.8	80.9	81.0	73.9	76.8	80.6						
45	10.5	18.3	15.8	19.3	14.2	20.5	9.30	10.2	7.45	8.82	7.21	8.71						
50	4.60	4.68	4.74	4.67	4.62	4.47	4.08	4.04	4.06	4.14	4.16	4.30						
55	4.11	4.16	4.18	4.10	4.08	3.96	3.70	3.68	3.72	3.77	3.81	3.98						
60	3.58	3.64	3.67	3.56	3.51	3.37	3.16	3.09	3.12	3.21	3.29	3.47						
65	2.53	2.69	2.61	2.53	2.32	2.08	1.87	1.72	1.72	1.88	2.05	2.23						
70	1.15	1.22	1.18	1.13	1.01	0.89	0.77	0.70	0.72	0.80	0.90	0.99						
75	0.45	0.49	0.46	0.44	0.38	0.33	0.28	0.25	0.26	0.29	0.34	0.37						
80	0.14	0.15	0.15	0.14	0.12	0.10	0.09	0.07	0.08	0.09	0.10	0.11						
85	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.03						
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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