

Luminaire Photograph



Light Output Ratio:	84.6%	
Luminaire Power:	42.56 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.25	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-3-20

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: BXRE-30H2000-C-83 Ra: 95
LENS: PM-0139 12R
DRIVER: ECXe 1050.646 1050mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

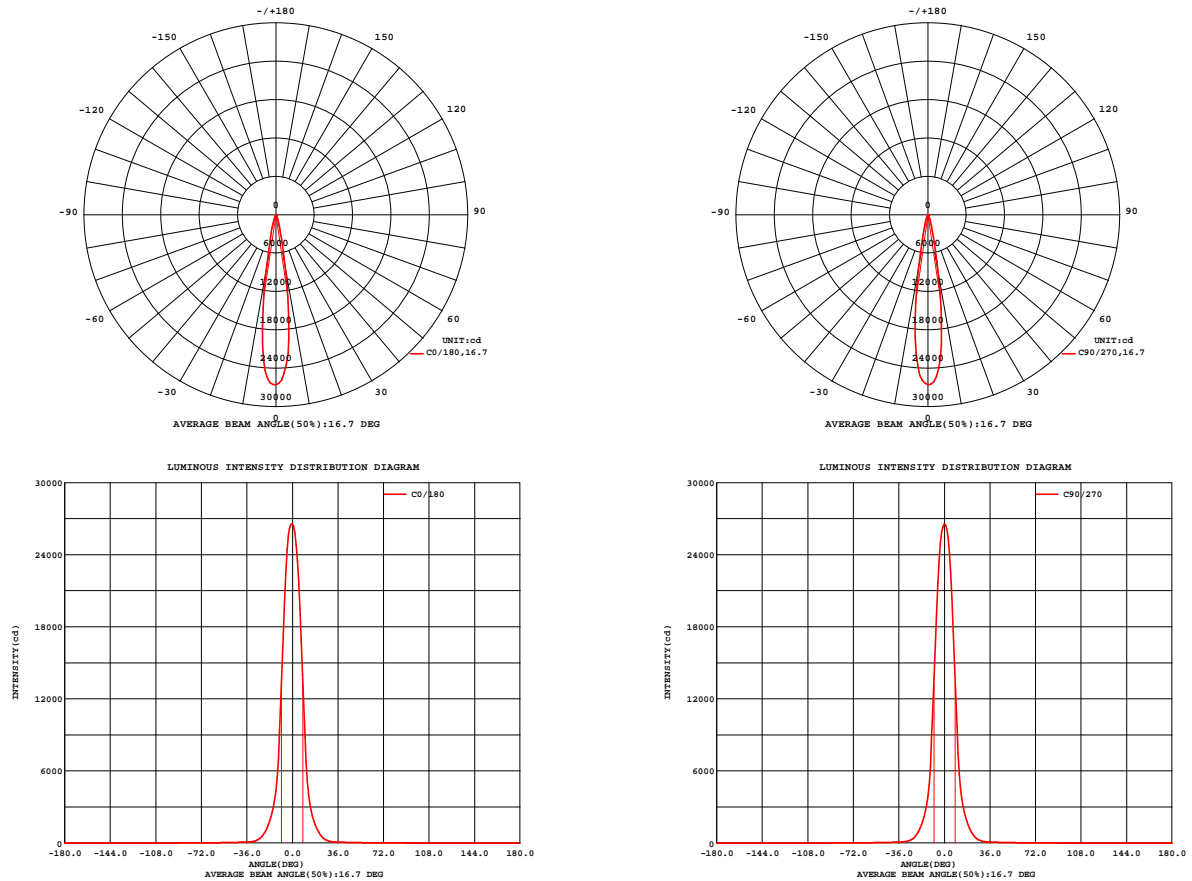


Fig. C0/C180

Fig. C90/C270

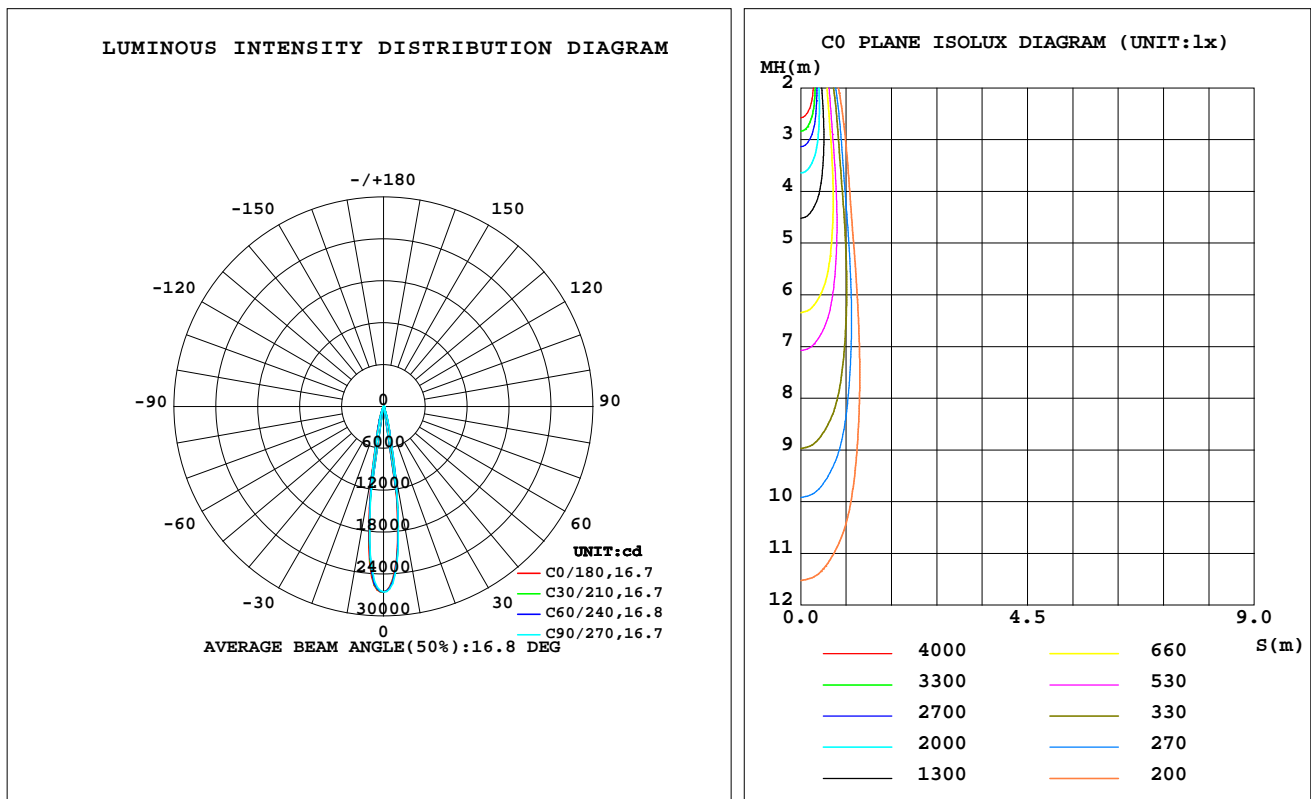
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30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.13V I:0.1973A P:42.559W PF:0.9775 Freq:49.99Hz Lamp Flux:3424.12x1 lm		
NAME: 2319.222-UA	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2403200211
MFR.: RISE	SUR.: 0.005941665m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.08 lm/W			
MODEL	Brideglux	I _{max} (cd)	26557	S/MH(C0/180)	0.28
NOMINAL POWER(W)	42	LOR(%)	84.6	S/MH(C90/270)	0.27
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2897.4	UP,DN(C0-180)	0.0,43.3
NOMINAL FLUX(lm)	3424.12	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,41.3
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	down(%)	84.6	CIBSE SHR MAX	0.25



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ZONAL FLUX DIAGRAM

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	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	882.5	946.8	969.9	964.6	928.7	886.9	870.9	866.5	0- 10	1659	1659	57.3,48.5
20	106.7	116.2	122.3	128.4	124.3	116.3	103.9	102.6	10- 20	902.0	2561	88.4,74.8
30	13.08	14.15	14.80	15.62	15.35	14.15	12.57	12.60	20- 30	207.9	2769	95.6,80.9
40	5.535	5.727	5.878	5.974	6.007	5.870	5.615	5.522	30- 40	53.02	2822	97.4,82.4
50	3.716	3.775	3.850	3.930	3.916	3.894	3.728	3.662	40- 50	36.42	2859	98.7,83.5
60	1.912	1.930	2.008	2.081	2.058	2.030	1.931	1.904	50- 60	25.77	2884	99.5,84.2
70	0.2463	0.2334	0.2808	0.3450	0.3455	0.2630	0.2288	0.2367	60- 70	11.76	2896	100,84.6
80	0.0142	0.0106	0.0157	0.0136	0.0174	0.0135	0.0118	0.0081	70- 80	1.263	2897	100,84.6
90	0	0	0	0	0	0	0	0	80- 90	0.0946	2897	100,84.6
100	0	0	0	0	0	0	0	0	90-100	0	2897	100,84.6
110	0	0	0	0	0	0	0	0	100-110	0	2897	100,84.6
120	0	0	0	0	0	0	0	0	110-120	0	2897	100,84.6
130	0	0	0	0	0	0	0	0	120-130	0	2897	100,84.6
140	0	0	0	0	0	0	0	0	130-140	0	2897	100,84.6
150	0	0	0	0	0	0	0	0	140-150	0	2897	100,84.6
160	0	0	0	0	0	0	0	0	150-160	0	2897	100,84.6
170	0	0	0	0	0	0	0	0	160-170	0	2897	100,84.6
180	0	0	0	0	0	0	0	0	170-180	0	2897	100,84.6
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

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30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.13V I:0.1973A P:42.559W PF:0.9775 Freq:49.99Hz
Lamp Flux:3424.12x1 lm

NAME: 2319.222-UA

TYPE:

WEIGHT:

SPEC.: 3000K

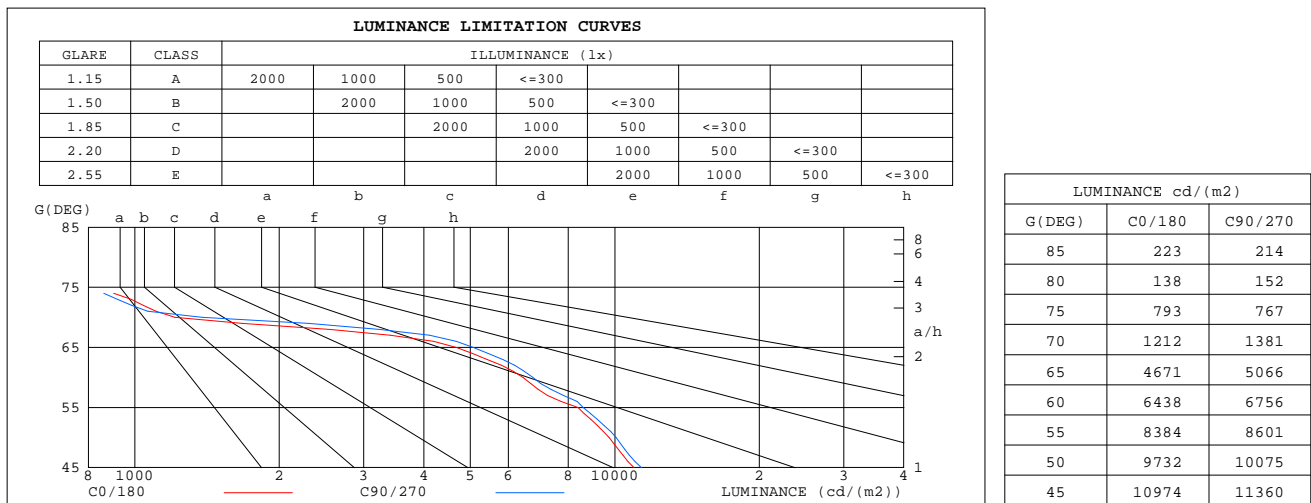
DIM.:

SERIAL No.: 2403200211

MFR.: RISE

SUR.: 0.005941665m2

Shielding Angle:



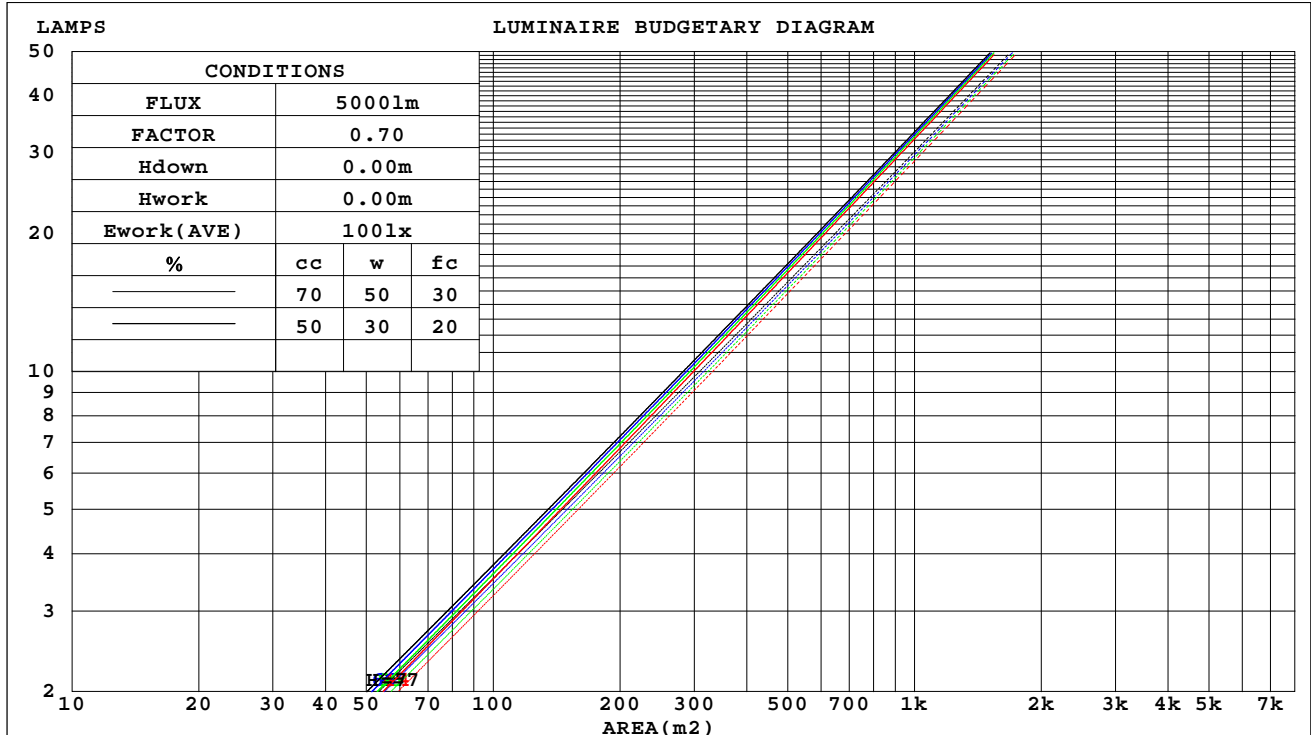
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.: 3000K	DIM.:	SERIAL No.: 2403200211
MFR.: RISE	SUR.: 0.005941665m2	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	1.01	1.01	1.01	.98	.98	.98	.94	.94	.94	.90	.90	.90	.86	.86	.86	.85
1.0	.96	.95	.93	.94	.93	.92	.91	.90	.89	.88	.87	.86	.85	.85	.84	.83
2.0	.92	.90	.88	.91	.89	.87	.88	.87	.85	.86	.85	.84	.84	.83	.82	.81
3.0	.89	.86	.84	.88	.86	.84	.86	.84	.82	.84	.82	.81	.82	.81	.80	.79
4.0	.86	.83	.81	.85	.83	.81	.84	.82	.80	.82	.80	.79	.81	.79	.78	.77
5.0	.84	.81	.79	.83	.80	.78	.82	.80	.78	.81	.79	.77	.80	.78	.77	.76
6.0	.82	.79	.77	.81	.78	.76	.80	.78	.76	.79	.77	.76	.78	.77	.75	.74
7.0	.80	.77	.75	.80	.77	.75	.79	.76	.74	.78	.76	.74	.77	.75	.74	.73
8.0	.78	.75	.73	.78	.75	.73	.77	.75	.73	.77	.74	.73	.76	.74	.72	.72
9.0	.77	.74	.72	.76	.74	.72	.76	.73	.72	.75	.73	.72	.75	.73	.71	.71
10.0	.75	.73	.71	.75	.72	.71	.75	.72	.71	.74	.72	.70	.74	.72	.70	.70



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WEC AND CCEC

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SPEC.: 3000K	DIM.:	SERIAL No.: 2403200211
MFR.: RISE	SUR.: 0.005941665m2	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	.104	.059	.019	.099	.056	.018	.088	.051	.016	.079	.045	.015	.070	.040	.013	
2.0	.095	.052	.016	.091	.050	.015	.082	.046	.014	.075	.042	.013	.067	.038	.012	
3.0	.088	.047	.014	.084	.045	.014	.077	.042	.013	.071	.039	.012	.065	.036	.011	
4.0	.081	.042	.012	.078	.041	.012	.072	.038	.011	.067	.036	.011	.062	.034	.010	
5.0	.076	.039	.011	.073	.038	.011	.068	.036	.010	.064	.034	.010	.059	.032	.010	
6.0	.071	.036	.010	.069	.035	.010	.065	.033	.010	.061	.032	.009	.057	.030	.009	
7.0	.067	.033	.009	.065	.032	.009	.061	.031	.009	.058	.030	.009	.055	.028	.008	
8.0	.063	.031	.009	.062	.030	.009	.058	.029	.008	.055	.028	.008	.053	.027	.008	
9.0	.060	.029	.008	.058	.028	.008	.056	.028	.008	.053	.027	.008	.051	.026	.007	
10.0	.057	.027	.008	.056	.027	.008	.053	.026	.007	.051	.025	.007	.049	.025	.007	

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	.161	.161	.161	.138	.138	.138	.094	.094	.094	.054	.054	.054	.017	.017	.017	
1.0	.142	.134	.126	.121	.115	.109	.083	.079	.075	.048	.046	.044	.015	.015	.014	
2.0	.126	.112	.101	.108	.097	.088	.074	.067	.061	.042	.039	.036	.014	.013	.012	
3.0	.112	.096	.083	.096	.083	.072	.066	.057	.050	.038	.034	.030	.012	.011	.010	
4.0	.101	.083	.069	.087	.071	.060	.060	.050	.042	.034	.029	.025	.011	.009	.008	
5.0	.091	.072	.058	.078	.062	.050	.054	.043	.035	.031	.026	.021	.010	.008	.007	
6.0	.083	.063	.049	.072	.055	.043	.049	.038	.030	.029	.023	.018	.009	.007	.006	
7.0	.076	.056	.042	.066	.049	.037	.045	.034	.026	.026	.020	.015	.009	.007	.005	
8.0	.070	.050	.036	.061	.044	.032	.042	.031	.022	.024	.018	.013	.008	.006	.004	
9.0	.065	.045	.032	.056	.039	.028	.039	.028	.020	.023	.016	.012	.007	.005	.004	
10.0	.061	.041	.028	.052	.036	.024	.036	.025	.017	.021	.015	.010	.007	.005	.003	

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UGR(Unified Glare Rating) Table

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SPEC.: 3000K					DIM.:			SERIAL No.: 2403200211		
MFR.: RISE					SUR.: 0.005941665m2			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	6.2	6.7	6.4	6.9	7.0	6.3	6.9	6.5	7.0	7.2
3H	6.4	6.9	6.6	7.1	7.2	6.5	7.0	6.8	7.2	7.4
4H	6.3	6.8	6.6	7.0	7.2	6.5	7.0	6.7	7.2	7.4
6H	6.2	6.7	6.5	6.9	7.2	6.4	6.9	6.7	7.1	7.3
8H	6.2	6.6	6.5	6.9	7.1	6.3	6.8	6.6	7.0	7.3
12H	6.1	6.6	6.4	6.8	7.1	6.3	6.7	6.6	7.0	7.3
4H 2H	6.4	6.9	6.7	7.1	7.3	6.5	7.0	6.8	7.2	7.4
3H	6.6	7.0	6.9	7.3	7.5	6.7	7.1	7.0	7.4	7.7
4H	6.5	6.9	6.8	7.2	7.5	6.6	7.0	7.0	7.3	7.6
6H	6.4	6.8	6.8	7.1	7.4	6.5	6.9	6.9	7.2	7.5
8H	6.3	6.7	6.7	7.0	7.4	6.5	6.8	6.9	7.2	7.5
12H	6.3	6.6	6.7	7.0	7.3	6.4	6.7	6.8	7.1	7.5
8H 4H	6.3	6.7	6.7	7.0	7.4	6.5	6.8	6.9	7.2	7.5
6H	6.2	6.5	6.7	6.9	7.3	6.4	6.6	6.8	7.0	7.4
8H	6.2	6.4	6.6	6.8	7.3	6.3	6.6	6.7	7.0	7.4
12H	6.1	6.3	6.6	6.8	7.2	6.2	6.5	6.7	6.9	7.4
12H 4H	6.3	6.6	6.7	7.0	7.4	6.4	6.7	6.8	7.1	7.5
6H	6.2	6.4	6.6	6.8	7.3	6.3	6.6	6.7	7.0	7.4
8H	6.1	6.3	6.6	6.8	7.2	6.2	6.5	6.7	6.9	7.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.9 / - 1.4					+ 0.8 / - 1.1				
1.5H	+ 0.3 / - 0.5					+ 0.5 / - 0.5				
2.0H	+ 1.3 / - 1.7					+ 1.4 / - 1.9				

CIE Pub.117, 3424 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.3)
Area: 0.00594166 m2

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UTILIZATION FACTORS TABLE

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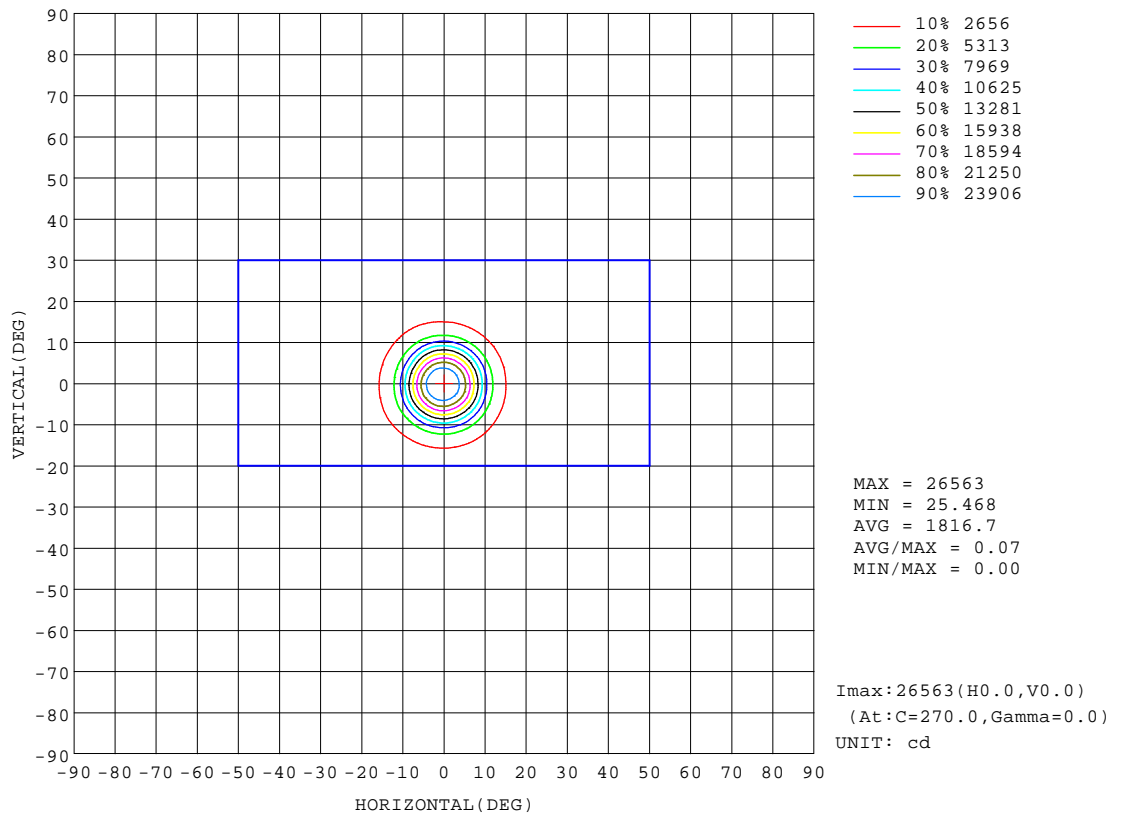
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	76	71	68	76	71	68	75	71	68	65
0.80	82	78	75	82	77	75	81	77	74	71
1.00	85	81	78	85	81	78	83	80	78	74
1.25	89	84	82	88	84	81	86	83	81	77
1.50	91	87	84	90	86	84	88	85	83	79
2.00	93	89	87	91	88	86	89	87	85	81
2.50	94	91	89	93	90	88	90	88	86	81
3.00	95	92	90	94	91	89	91	89	88	82
4.00	97	95	93	95	93	92	92	91	89	84
5.00	98	96	95	96	94	93	93	92	91	84
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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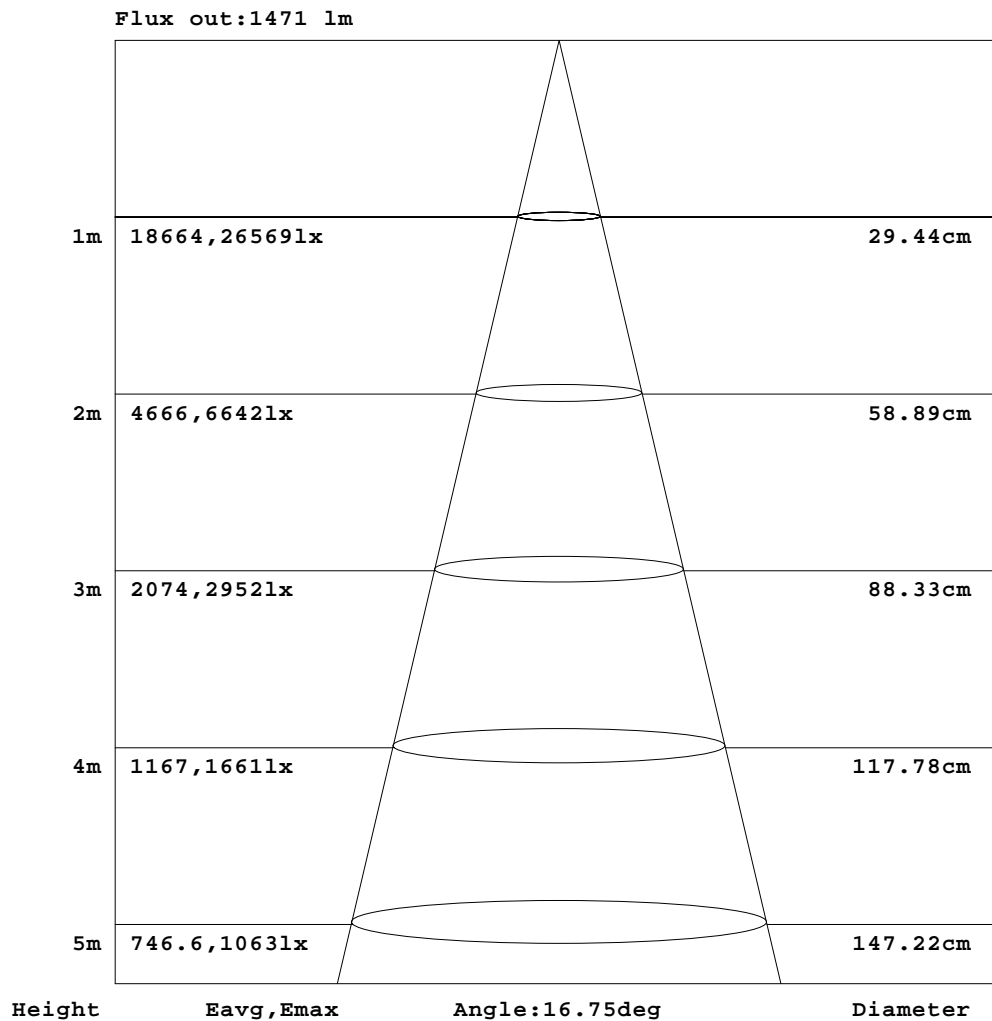


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AAI Figure

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SPEC.: 3000K	DIM.:	SERIAL No.: 2403200211
MFR.: RISE	SUR.: 0.005941665m2	Shielding Angle:



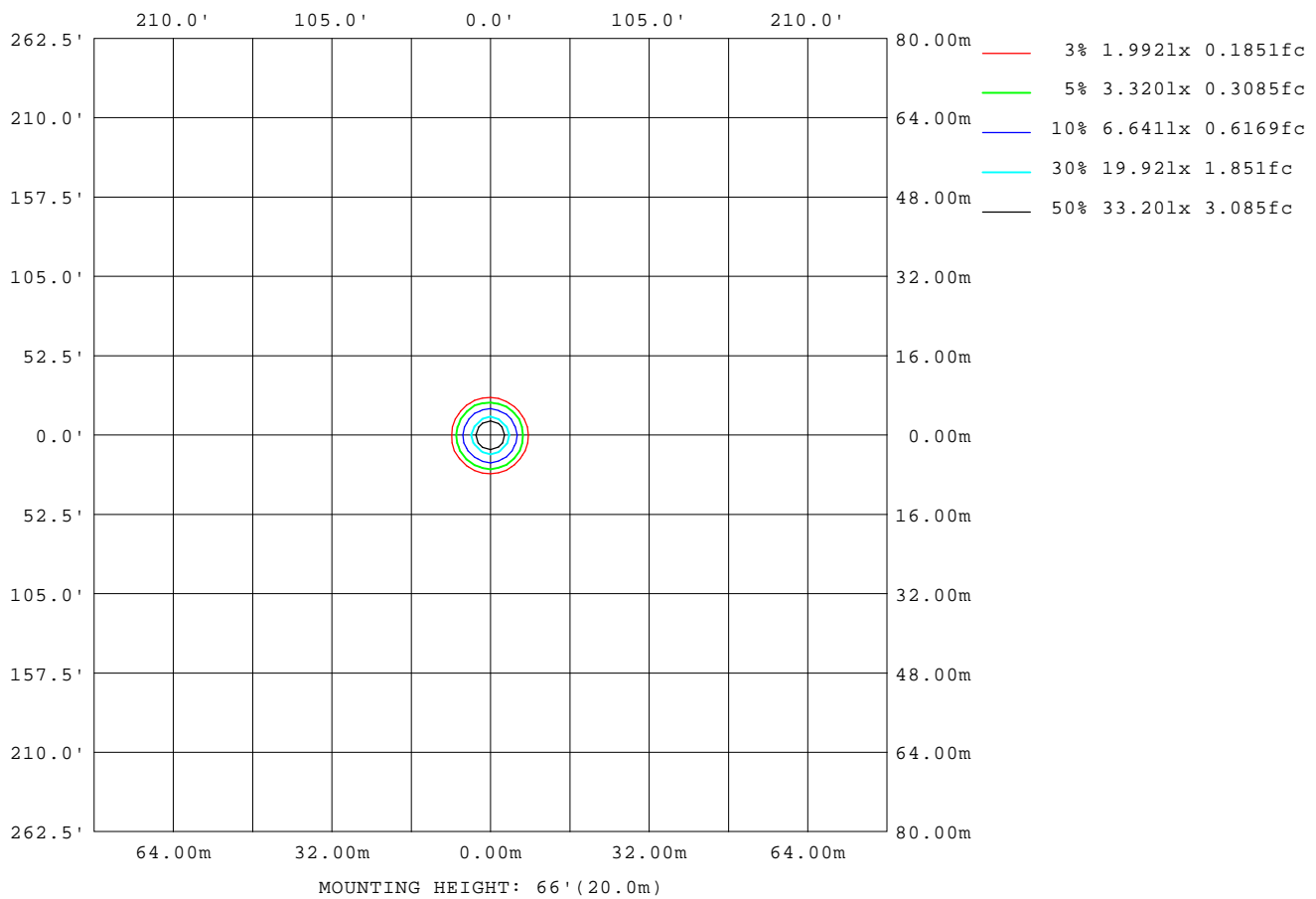
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-3-20

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:BXRE-30H2000-C-83 Ra:95
LENS:PM-0139 12R
DRIVER:ECXe 1050.646 1050mA
30minutes warm-up

ISOLUX DIAGRAM

Test:U:220.13V I:0.1973A P:42.559W PF:0.9775 Freq:49.99Hz Lamp Flux:3424.12x1 lm		
NAME: 2319.222-UA	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2403200211
MFR.: RISE	SUR.: 0.005941665m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-3-20

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:BXRE-30H2000-C-83 Ra:95
LENS:PM-0139 12R
DRIVER:ECXe 1050.646 1050mA
30minutes warm-up

LED Avg.L Report

Test:U:220.13V I:0.1973A P:42.559W PF:0.9775 Freq:49.99Hz Lamp Flux:3424.12x1 lm		
NAME: 2319.222-UA	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2403200211
MFR.: RISE	SUR.: 0.005941665m2	Shielding Angle:

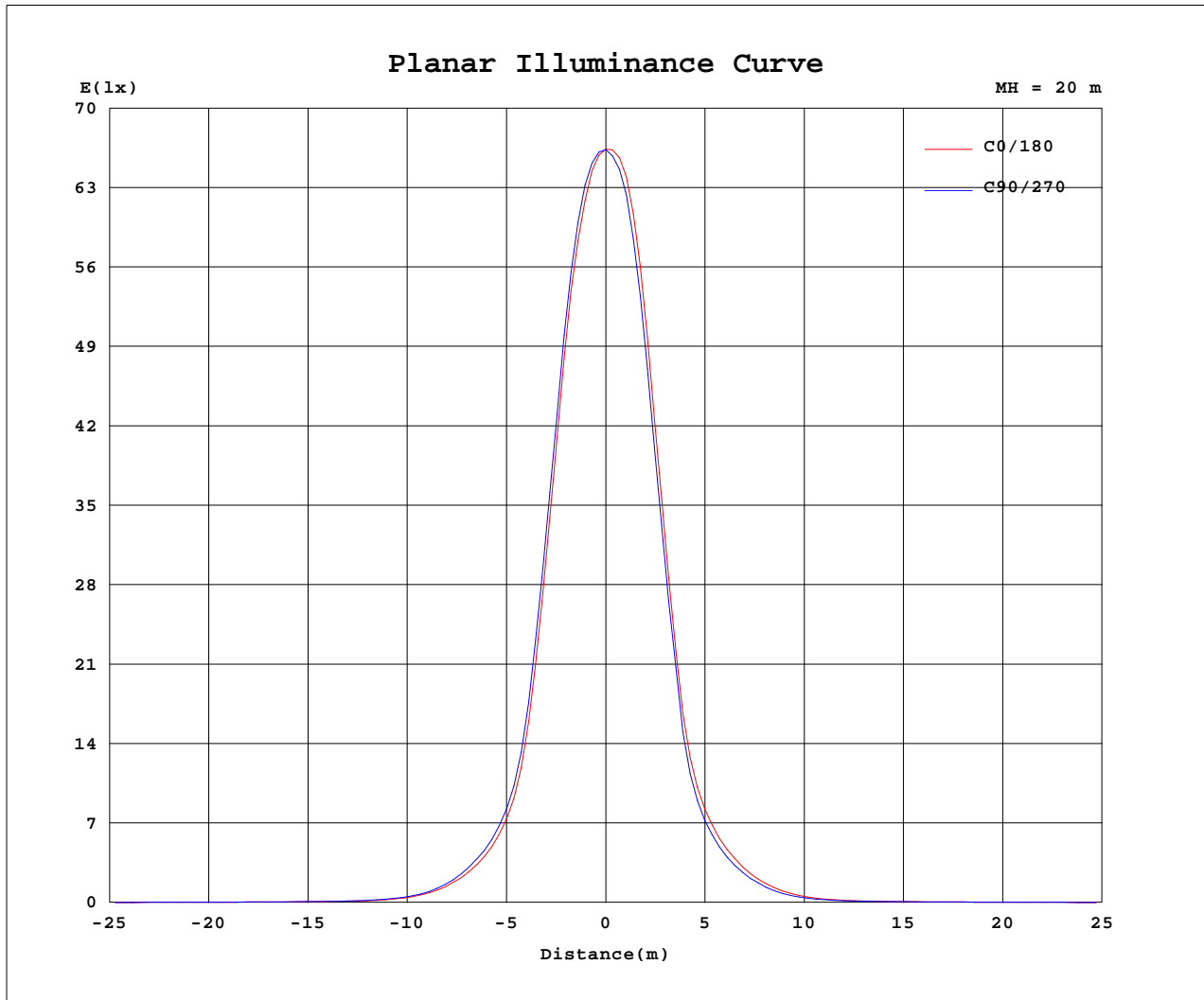
AvgL	cd/m2
L_0~180(65)av	4985
L_0~180(75)av	798
L_0~180(85)av	248
L_90~270(65)av	4882
L_90~270(75)av	726
L_90~270(85)av	202
L_45(65)av	4944
L_45(75)av	765
L_45(85)av	134

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2024-3-20

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:BXRE-30H2000-C-83 Ra:95
LENS:PM-0139 12R
DRIVER:ECXe 1050.646 1050mA
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: 2024-3-20

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: BXRE-30H2000-C-83 Ra: 95
 LENS: PM-0139 12R
 DRIVER: ECXe 1050.646 1050mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.13V I:0.1973A P:42.559W PF:0.9775 Freq:49.99Hz Lamp Flux:3424.12x1 lm		
NAME: 2319.222-UA	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2403200211
MFR.: RISE	SUR.: 0.005941665m2	Shielding Angle:

Table--1

UNIT: X10cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	2656	2656	2656	2656	2656	2656	2656	2656	2656	2656	2656	2656						
5	2183	2217	2220	2249	2270	2277	2264	2212	2193	2161	2163	2162						
10	882	940	953	970	965	964	929	891	882	871	852	881						
15	269	284	299	302	308	319	303	292	287	264	260	264						
20	107	113	119	122	126	131	124	118	114	104	103	103						
25	35.9	39.1	39.8	41.2	43.1	46.0	43.7	41.1	38.6	33.7	33.8	34.4						
30	13.1	14.3	14.0	14.8	15.4	15.9	15.3	14.6	13.7	12.6	12.6	12.6						
35	7.61	7.83	7.84	8.20	8.62	8.57	8.33	8.19	7.77	7.66	7.66	7.41						
40	5.53	5.75	5.70	5.88	5.96	5.99	6.01	5.99	5.75	5.61	5.57	5.48						
45	4.61	4.74	4.68	4.78	4.84	4.79	4.83	4.91	4.72	4.59	4.52	4.43						
50	3.72	3.77	3.78	3.85	3.94	3.92	3.92	3.98	3.81	3.73	3.68	3.64						
55	2.86	2.86	2.88	2.93	3.02	2.98	2.98	3.01	2.95	2.90	2.85	2.84						
60	1.91	1.92	1.94	2.01	2.09	2.07	2.06	2.05	2.01	1.93	1.91	1.90						
65	1.17	1.19	1.18	1.27	1.34	1.35	1.33	1.29	1.22	1.18	1.18	1.17						
70	0.25	0.24	0.22	0.28	0.34	0.35	0.35	0.29	0.23	0.23	0.23	0.25						
75	0.12	0.12	0.11	0.12	0.14	0.13	0.12	0.11	0.10	0.11	0.11	0.13						
80	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01						
85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01						
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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