

Scaled data based on original data using
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact
Fluorescent Lamps

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: SHAPER

Report Number: 19389

Luminaire Tested: **695-WP-DB-CF1/26**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 19389
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 695-WP-DB-CF1/26
Description: INTERIOR WALL MOUNT LUMINAIRE WITH WHITE INTERIOR AND LINEAR
PRISMATIC GLASS LENS
Light Source: ONE SYLVANIA 26 WATT CPFL LAMP

CF26DT/E/827. LUMEN RATING = 1800 LMS.

Ballast/Driver: -

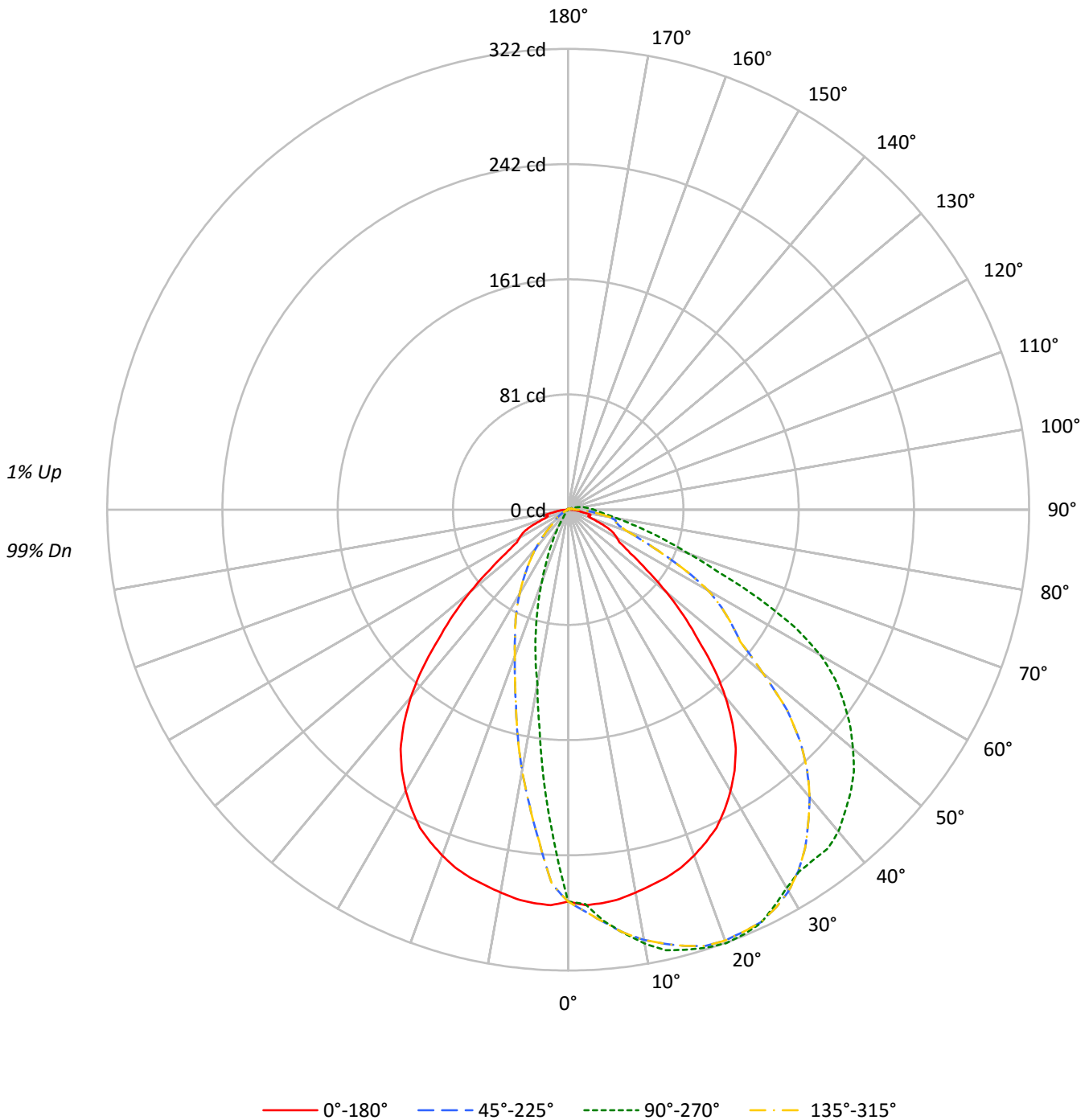
Summary

Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 544.2 lumens
Efficiency: 30.2%
Efficacy: 23.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 0.87 / 1.16
Luminous Opening: (L: 0.67 ' x W: -0.08 ' x H: 0.21 '
CIE Type: Direct

Input Watts (W): 23
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	36	36	36	36	35	35	35	35	33	33	33	32	32	32	30	30	30	30
1	33	32	31	30	32	31	30	29	30	29	28	29	28	27	27	27	26	26
2	30	28	26	25	30	28	26	24	26	25	24	25	24	23	24	24	23	22
3	28	25	23	21	27	25	23	21	24	22	20	23	21	20	22	21	20	19
4	26	23	20	18	25	22	20	18	21	19	18	21	19	18	20	18	17	17
5	24	20	18	16	23	20	18	16	19	17	16	19	17	15	18	17	15	15
6	22	18	16	14	22	18	16	14	18	15	14	17	15	14	17	15	14	13
7	21	17	14	13	20	17	14	13	16	14	12	16	14	12	15	14	12	12
8	19	15	13	11	19	15	13	11	15	13	11	14	13	11	14	12	11	11
9	18	14	12	10	18	14	12	10	14	12	10	13	11	10	13	11	10	10
10	17	13	11	9	17	13	11	9	13	11	9	12	11	9	12	10	9	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	Luminous shape not found,			
5°	reference photometric report, or contact			
10°	the photometric lab for calculations.			
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	24.5	4.5	1.4
10°-20°	65.6	12.1	3.6
20°-30°	94.7	17.4	5.3
30°-40°	107.0	19.7	5.9
40°-50°	99.1	18.2	5.5
50°-60°	70.6	13.0	3.9
60°-70°	42.3	7.8	2.3
70°-80°	22.6	4.2	1.3
80°-90°	9.8	1.8	0.5
90°-100°	3.4	0.6	0.2
100°-110°	1.9	0.3	0.1
110°-120°	1.0	0.2	0.1
120°-130°	0.5	0.1	0.0
130°-140°	0.4	0.1	0.0
140°-150°	0.3	0.1	0.0
150°-160°	0.2	0.0	0.0
160°-170°	0.1	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	184.8	34.0	10.3
0°-40°	291.8	53.6	16.2
0°-60°	461.5	84.8	25.6
0°-90°	536.3	98.5	29.8
90°-120°	6.3	1.2	0.3
90°-150°	7.5	1.4	0.4
90°-180°	8.0	1.5	0.4
0°-180°	544.2	100.0	30.2

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	274	274	274	274	274	
5°	276	289	276	192	276	26
15°	266	318	266	87	266	75
25°	245	319	245	30	245	112
35°	204	299	204	3	204	126
45°	128	279	128	0	128	99
55°	53	235	53	0	53	51
65°	31	147	31	0	31	29
75°	16	56	16	0	16	16
85°	5	23	5	0	5	5
90°	0	18	0	0	0	0
95°	0	14	0	0	0	0
105°	0	7	0	0	0	1
115°	0	3	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	276.6	280.8	281.2	280.5	275.8	280.5	281.2	280.8	276.6	274.7	261.7
5°	275.9	284.3	289.4	292.1	288.6	292.1	289.4	284.3	275.9	266.7	232.7
7.5°	274.4	288.6	298.2	302.0	298.4	302.0	298.2	288.6	274.4	255.2	207.8
10°	271.6	292.6	305.2	310.5	307.8	310.5	305.2	292.6	271.6	241.2	185.1
12.5°	268.7	295.4	310.7	318.3	315.3	318.3	310.7	295.4	268.7	226.7	162.7
15°	265.9	296.6	315.5	322.8	318.3	322.8	315.5	296.6	265.9	213.3	140.8
17.5°	262.2	297.4	319.6	324.9	320.9	324.9	319.6	297.4	262.2	200.7	123.4
20°	257.1	297.4	320.3	326.1	322.3	326.1	320.3	297.4	257.1	186.9	108.8
22.5°	251.4	295.4	319.3	326.3	321.1	326.3	319.3	295.4	251.4	175.0	97.2
25°	245.1	292.4	318.1	323.8	318.6	323.8	318.1	292.4	245.1	162.4	87.1
27.5°	236.4	286.6	313.7	319.8	312.0	319.8	313.7	286.6	236.4	148.3	77.5
30°	226.9	278.6	307.8	312.0	305.2	312.0	307.8	278.6	226.9	134.8	67.7
32.5°	216.2	268.3	299.2	303.4	299.9	303.4	299.2	268.3	216.2	121.2	58.7
35°	204.1	256.6	288.6	298.0	298.7	298.0	288.6	256.6	204.1	107.0	49.9
37.5°	188.5	243.0	275.5	293.1	298.2	293.1	275.5	243.0	188.5	92.0	42.4
40°	170.9	227.2	262.4	287.6	293.6	287.6	262.4	227.2	170.9	77.3	35.1
42.5°	151.1	207.5	247.0	280.5	286.3	280.5	247.0	207.5	151.1	64.2	27.7
45°	128.0	187.4	229.2	271.2	279.0	271.2	229.2	187.4	128.0	53.9	21.1
47.5°	109.2	158.7	207.3	259.4	270.7	259.4	207.3	158.7	109.2	44.9	15.1
50°	89.3	137.1	177.3	245.8	259.7	245.8	177.3	137.1	89.3	37.5	12.9
52.5°	69.1	116.1	151.6	227.2	248.3	227.2	151.6	116.1	69.1	28.8	10.6
55°	52.9	88.7	139.3	197.4	235.2	197.4	139.3	88.7	52.9	21.1	8.5
57.5°	42.6	69.3	126.9	158.7	221.3	158.7	126.9	69.3	42.6	15.9	6.6
60°	39.4	55.2	113.1	134.5	203.8	134.5	113.1	55.2	39.4	13.1	4.8
62.5°	35.9	50.1	93.4	117.4	179.3	117.4	93.4	50.1	35.9	12.4	3.3
65°	31.1	46.4	72.3	103.5	146.9	103.5	72.3	46.4	31.1	9.9	2.3
67.5°	23.2	43.1	55.7	90.6	112.8	90.6	55.7	43.1	23.2	8.9	1.5
70°	16.5	35.3	43.3	81.4	88.9	81.4	43.3	35.3	16.5	6.6	1.0
72.5°	14.7	25.7	37.5	72.3	71.3	72.3	37.5	25.7	14.7	4.3	1.0
75°	16.0	20.7	34.7	63.0	56.2	63.0	34.7	20.7	16.0	4.0	0.8
77.5°	15.9	21.1	33.8	51.9	43.6	51.9	33.8	21.1	15.9	3.6	0.5
80°	9.7	22.2	29.5	41.3	34.5	41.3	29.5	22.2	9.7	2.8	0.5
82.5°	7.6	14.6	21.4	31.2	27.9	31.2	21.4	14.6	7.6	1.0	0.5
85°	5.2	10.1	16.4	24.4	23.2	24.4	16.4	10.1	5.2	0.8	0.5
87.5°	1.5	6.3	11.6	18.4	20.4	18.4	11.6	6.3	1.5	0.5	0.5
90°	0.5	2.3	5.9	13.6	17.9	13.6	5.9	2.3	0.5	0.5	0.5
92.5°	0.5	1.5	4.3	11.6	15.9	11.6	4.3	1.5	0.5	0.5	0.5
95°	0.5	0.5	4.0	10.8	13.6	10.8	4.0	0.5	0.5	0.5	0.5
97.5°	0.5	0.5	3.6	9.6	11.8	9.6	3.6	0.5	0.5	0.5	0.5
100°	0.5	1.0	2.8	7.8	10.6	7.8	2.8	1.0	0.5	0.5	0.5
102.5°	0.5	0.8	2.3	6.6	8.9	6.6	2.3	0.8	0.5	0.5	0.5
105°	0.5	0.5	2.6	5.3	6.6	5.3	2.6	0.5	0.5	0.5	0.5
107.5°	0.5	0.5	2.3	4.5	5.0	4.5	2.3	0.5	0.5	0.5	0.5
110°	0.5	0.5	1.3	4.0	4.8	4.0	1.3	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.5	0.5	1.0	3.6	3.8	3.6	1.0	0.5	0.5	0.5	0.5
115°	0.5	0.5	1.0	2.8	3.1	2.8	1.0	0.5	0.5	0.5	0.5
117.5°	0.5	0.5	0.8	2.0	1.5	2.0	0.8	0.5	0.5	0.5	0.5
120°	0.5	0.5	0.8	1.8	1.3	1.8	0.8	0.5	0.5	0.5	0.5
122.5°	0.5	0.5	1.0	1.0	0.8	1.0	1.0	0.5	0.5	0.5	0.5
125°	0.5	0.5	0.5	1.0	0.5	1.0	0.5	0.5	0.5	0.5	0.5
127.5°	0.5	0.5	1.0	0.5	0.5	0.5	1.0	0.5	0.5	0.5	0.5
130°	0.5	0.5	0.8	0.5	0.5	0.5	0.8	0.5	0.5	0.5	0.5
132.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
135°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
137.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
140°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
142.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
150°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
152.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
155°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
162.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
165°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
167.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
170°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
175°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
177.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: 19389

CATALOG NUMBER: 695-WP-DB-CF1/26

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	244.0	230.9	244.0	261.7	274.7	276.6
5°	207.0	191.9	207.0	232.7	266.7	275.9
7.5°	174.5	153.4	174.5	207.8	255.2	274.4
10°	142.5	124.0	142.5	185.1	241.2	271.6
12.5°	120.9	105.3	120.9	162.7	226.7	268.7
15°	102.8	87.1	102.8	140.8	213.3	265.9
17.5°	87.7	70.3	87.7	123.4	200.7	262.2
20°	72.8	53.9	72.8	108.8	186.9	257.1
22.5°	59.9	40.8	59.9	97.2	175.0	251.4
25°	48.4	29.8	48.4	87.1	162.4	245.1
27.5°	37.0	20.4	37.0	77.5	148.3	236.4
30°	27.9	12.6	27.9	67.7	134.8	226.9
32.5°	21.4	6.6	21.4	58.7	121.2	216.2
35°	16.2	3.1	16.2	49.9	107.0	204.1
37.5°	11.6	0.5	11.6	42.4	92.0	188.5
40°	7.6	0.5	7.6	35.1	77.3	170.9
42.5°	5.3	0.5	5.3	27.7	64.2	151.1
45°	3.6	0.5	3.6	21.1	53.9	128.0
47.5°	2.6	0.5	2.6	15.1	44.9	109.2
50°	1.5	0.5	1.5	12.9	37.5	89.3
52.5°	0.5	0.5	0.5	10.6	28.8	69.1
55°	0.5	0.5	0.5	8.5	21.1	52.9
57.5°	0.5	0.5	0.5	6.6	15.9	42.6
60°	0.5	0.5	0.5	4.8	13.1	39.4
62.5°	0.5	0.5	0.5	3.3	12.4	35.9
65°	0.5	0.5	0.5	2.3	9.9	31.1
67.5°	0.5	0.5	0.5	1.5	8.9	23.2
70°	0.5	0.5	0.5	1.0	6.6	16.5
72.5°	0.5	0.5	0.5	1.0	4.3	14.7
75°	0.5	0.5	0.5	0.8	4.0	16.0
77.5°	0.5	0.5	0.5	0.5	3.6	15.9
80°	0.5	0.5	0.5	0.5	2.8	9.7
82.5°	0.5	0.5	0.5	0.5	1.0	7.6
85°	0.5	0.5	0.5	0.5	0.8	5.2
87.5°	0.5	0.5	0.5	0.5	0.5	1.5
90°	0.5	0.5	0.5	0.5	0.5	0.5
92.5°	0.5	0.5	0.5	0.5	0.5	0.5
95°	0.5	0.5	0.5	0.5	0.5	0.5
97.5°	0.5	0.5	0.5	0.5	0.5	0.5
100°	0.5	0.5	0.5	0.5	0.5	0.5
102.5°	0.5	0.5	0.5	0.5	0.5	0.5
105°	0.5	0.5	0.5	0.5	0.5	0.5
107.5°	0.5	0.5	0.5	0.5	0.5	0.5
110°	0.5	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: 19389

CATALOG NUMBER: 695-WP-DB-CF1/26

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.5	0.5	0.5	0.5	0.5	0.5
115°	0.5	0.5	0.5	0.5	0.5	0.5
117.5°	0.5	0.5	0.5	0.5	0.5	0.5
120°	0.5	0.5	0.5	0.5	0.5	0.5
122.5°	0.5	0.5	0.5	0.5	0.5	0.5
125°	0.5	0.5	0.5	0.5	0.5	0.5
127.5°	0.5	0.5	0.5	0.5	0.5	0.5
130°	0.5	0.5	0.5	0.5	0.5	0.5
132.5°	0.5	0.5	0.5	0.5	0.5	0.5
135°	0.5	0.5	0.5	0.5	0.5	0.5
137.5°	0.5	0.5	0.5	0.5	0.5	0.5
140°	0.5	0.5	0.5	0.5	0.5	0.5
142.5°	0.5	0.5	0.5	0.5	0.5	0.5
145°	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	0.5	0.5	0.5	0.5	0.5	0.5
150°	0.5	0.5	0.5	0.5	0.5	0.5
152.5°	0.5	0.5	0.5	0.5	0.5	0.5
155°	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.5	0.5
162.5°	0.5	0.5	0.5	0.5	0.5	0.5
165°	0.5	0.5	0.5	0.5	0.5	0.5
167.5°	0.5	0.5	0.5	0.5	0.5	0.5
170°	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	0.5	0.5	0.5	0.5	0.5	0.5
175°	0.5	0.5	0.5	0.5	0.5	0.5
177.5°	0.5	0.5	0.5	0.5	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)