

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P414189

Luminaire Tested: **LXF.LXT-PA1-20-730-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

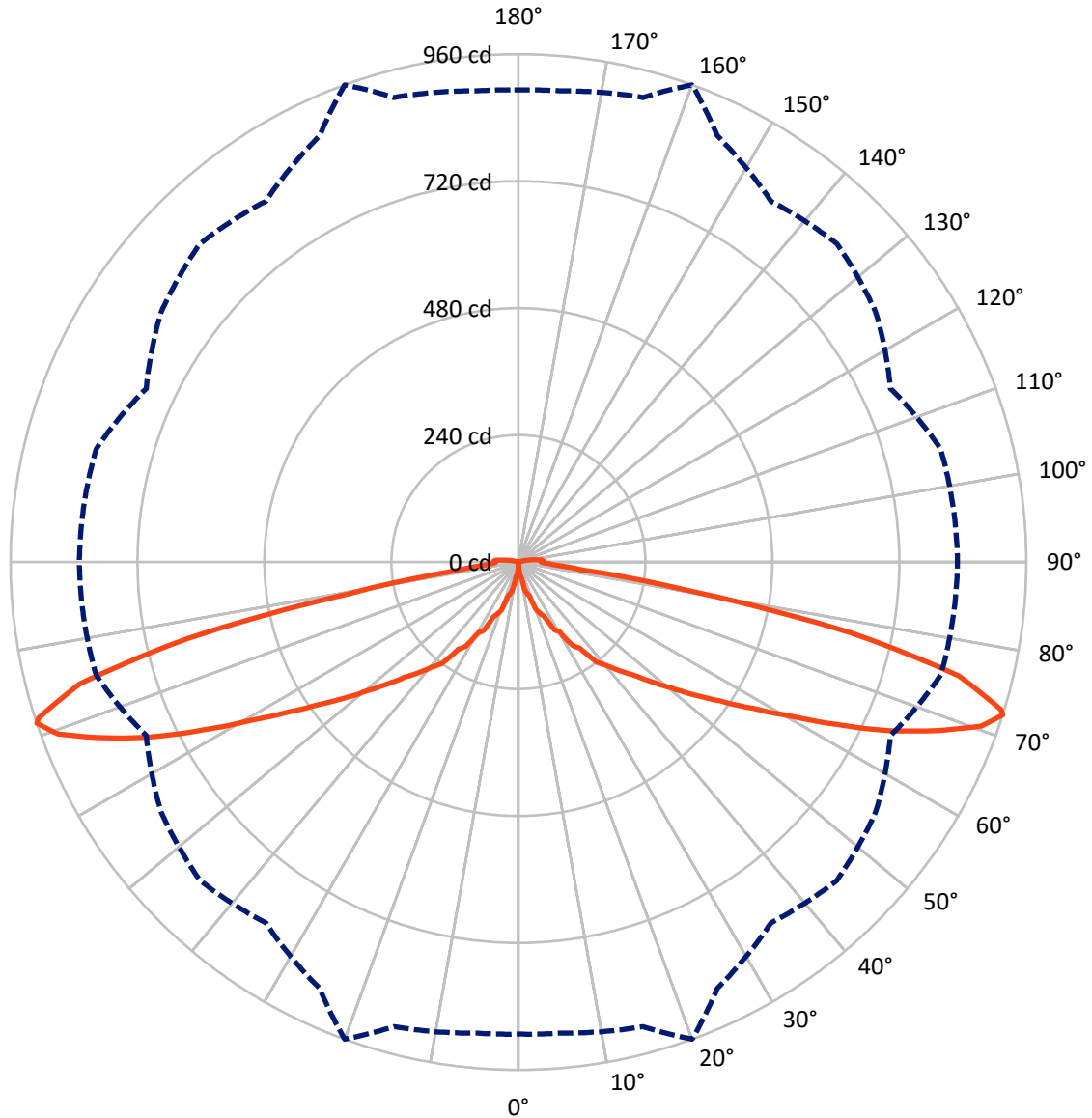
Lumens per Lamp: N/A
Luminaire Lumens: 2590.9 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U2 - G1

Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): 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: 28.75 FT



REPORT NUMBER: P414189
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-5WQ-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P414189

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-5WQ-CL

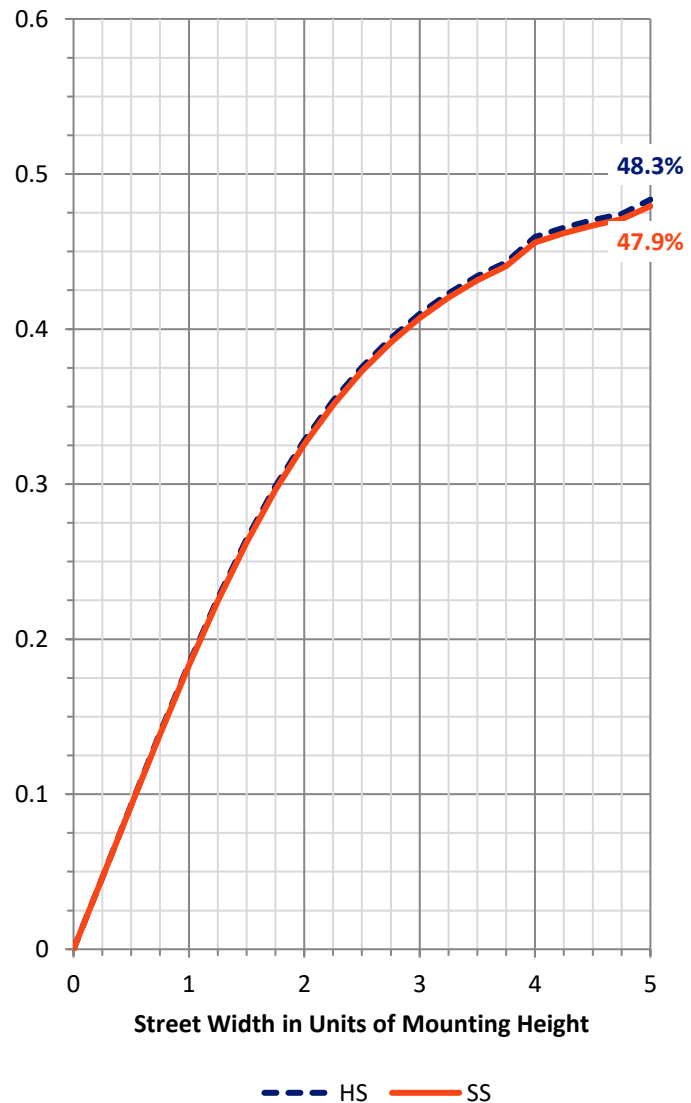
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1265.4	30.1	1295.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	1265.4	30.1	1295.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	2530.8	60.2	2590.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.0	0.0
10°-20°	14.2	0.5
20°-30°	56.1	2.2
30°-40°	130.0	5.0
40°-50°	236.5	9.1
50°-60°	419.4	16.2
60°-70°	709.5	27.4
70°-80°	788.3	30.4
80°-90°	175.8	6.8
90°-100°	48.9	1.9
100°-110°	7.2	0.3
110°-120°	1.7	0.1
120°-130°	1.0	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2530.8	97.7
0°-180°	2590.9	100.0



REPORT NUMBER: P414189

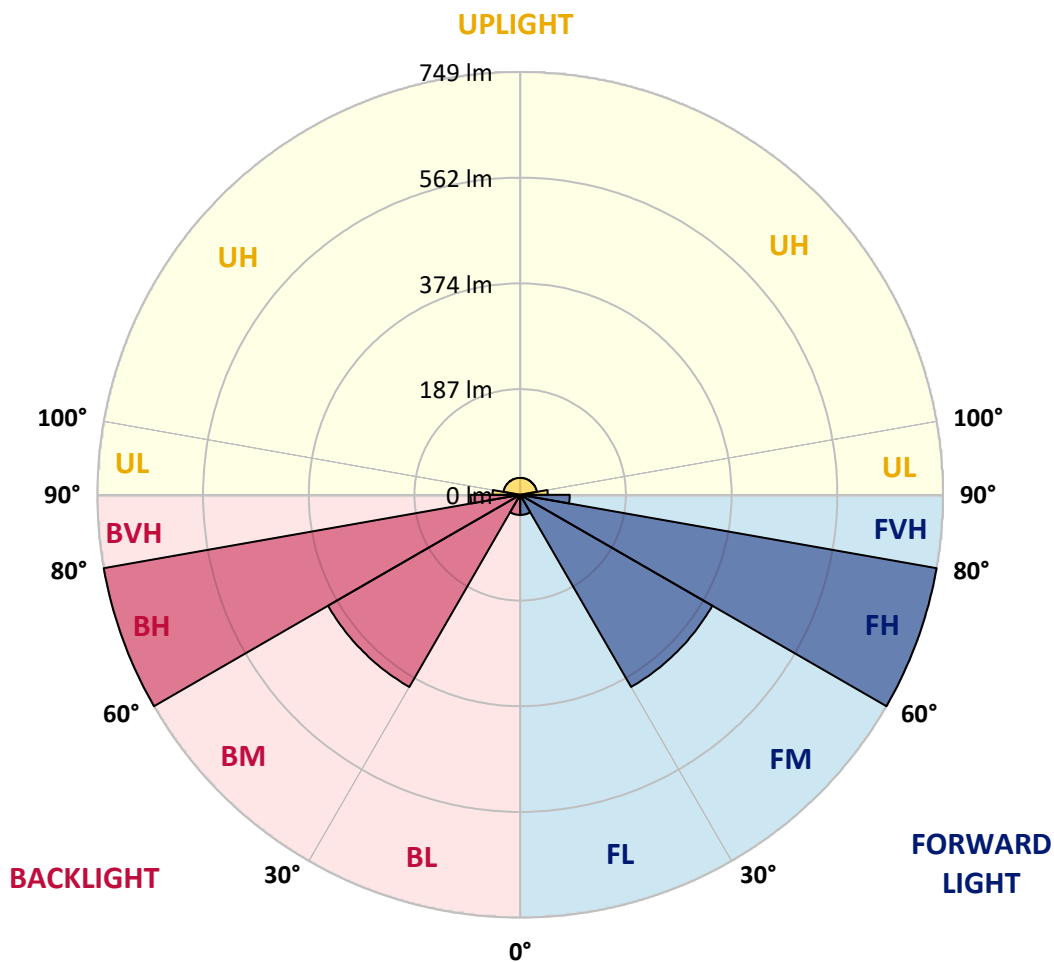
CATALOG NUMBER: LXF.LXT-PA1-20-730-U-5WQ-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	35.7	1.4			
FM	(30°-60°)	393.0	15.2			
FH	(60°-80°)	748.9	28.9			G1/1800
FVH	(80°-90°)	87.9	3.4			G1/100
BL	(0°-30°)	35.7	1.4	B0/110		
BM	(30°-60°)	393.0	15.2	B1/1000		
BH	(60°-80°)	748.9	28.9	B2/1000		G1/1800
BVH	(80°-90°)	87.9	3.4			G1/100
UL	(90°-100°)	48.9	1.9		U2/50	
UH	(100°-180°)	30.1	1.2		U2/50	

BUG Rating: B2-U2-G1

Type V Short





REPORT NUMBER: P414189

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-5WQ-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.4	1.4	1.4	1.6	1.1	1.4	1.1	1.1	1.1	1.1	1.1
5°	12.1	11.8	11.0	20.3	9.6	4.9	2.7	1.6	1.1	1.1	1.1
7.5°	25.8	25.5	24.7	27.2	20.6	15.6	12.4	8.2	2.2	1.4	1.4
10°	31.0	30.7	29.6	29.9	28.8	28.0	23.1	14.0	6.3	2.2	2.2
12.5°	46.4	46.1	44.2	53.8	37.3	31.0	28.8	24.4	13.7	11.0	21.4
15°	63.4	63.4	60.7	62.0	51.3	45.3	33.5	42.0	46.1	43.9	46.9
17.5°	70.5	70.3	67.5	67.0	64.2	59.0	57.9	60.9	59.3	52.7	53.0
20°	89.8	89.5	85.9	96.3	79.6	67.0	83.4	73.0	67.2	76.6	88.9
22.5°	107.9	107.6	104.9	105.4	96.3	98.5	91.1	84.5	99.9	103.5	106.8
25°	127.9	127.1	116.4	114.2	106.5	116.7	104.6	121.6	111.2	116.1	124.9
27.5°	150.1	149.0	143.8	145.5	130.7	126.3	133.4	129.8	136.7	158.1	162.8
30°	164.4	158.1	153.4	152.6	155.6	141.4	146.8	150.4	157.8	167.2	175.4
32.5°	197.6	196.3	178.4	188.0	170.2	168.5	157.0	169.1	169.1	205.3	230.0
35°	212.5	211.1	206.1	199.8	195.4	180.3	185.8	182.0	210.0	223.4	244.0
37.5°	263.8	262.4	236.3	239.6	213.0	204.5	198.7	213.5	224.5	238.5	262.4
40°	283.8	282.7	272.3	257.5	247.6	223.2	216.0	228.4	241.8	257.2	281.6
42.5°	307.7	306.9	294.5	280.8	270.9	250.1	242.4	243.5	259.9	282.7	306.6
45°	336.2	336.2	328.3	304.7	295.1	280.2	267.9	269.3	284.6	312.1	336.8
47.5°	368.9	368.4	363.7	337.3	329.9	307.4	297.5	301.9	313.7	344.2	370.3
50°	407.1	404.3	404.0	373.8	364.8	341.7	332.4	339.8	346.9	377.1	405.4
52.5°	446.3	447.1	447.4	417.8	408.7	388.9	375.5	383.5	383.5	415.3	446.3
55°	493.0	494.9	493.5	464.2	465.5	444.1	425.7	435.6	432.0	462.5	490.2
57.5°	553.1	552.5	555.3	521.5	525.9	508.6	487.8	494.1	488.6	513.6	538.3
60°	613.2	613.2	620.3	591.0	602.8	576.7	563.2	566.5	547.0	567.9	589.9
62.5°	675.8	676.3	686.8	676.9	679.6	651.9	643.4	638.2	601.1	628.3	643.4
65°	739.2	740.0	757.3	768.0	747.7	722.4	715.0	702.4	662.6	701.0	703.8
67.5°	803.4	807.0	827.6	850.4	819.3	772.4	783.1	760.3	719.1	755.9	754.0
70°	874.0	876.4	890.4	928.6	872.9	812.5	824.0	807.3	758.4	804.2	807.8
72°	892.3	894.0	909.1	959.9	889.1	832.5	851.2	824.3	776.0	826.2	828.9
72.5°	891.2	893.7	906.1	953.8	888.5	836.1	856.1	826.2	775.7	824.8	824.5
75°	807.5	813.3	832.2	860.0	839.6	828.9	871.8	814.7	744.7	771.8	765.5
77.5°	592.6	597.0	624.5	642.0	682.1	754.0	831.1	748.2	651.1	638.7	617.9
80°	290.7	289.0	344.2	319.2	435.1	577.0	689.8	592.1	460.3	374.7	320.9
82.5°	98.3	104.0	126.5	121.9	193.5	332.9	466.9	365.6	213.3	145.2	119.9
85°	55.4	57.4	69.7	67.0	78.8	129.3	240.2	166.3	93.3	78.0	69.4
87.5°	48.9	49.7	49.1	48.3	52.2	72.5	72.7	75.2	57.1	53.0	53.2
90°	49.4	50.0	44.7	42.8	45.8	60.7	67.5	64.0	46.7	45.6	50.0
92.5°	53.5	54.1	48.6	46.7	49.1	62.3	69.4	65.9	47.2	48.6	53.2
95°	48.9	49.4	44.7	42.8	45.6	57.9	65.1	63.7	45.0	49.7	56.5
97.5°	31.3	31.6	31.3	31.3	36.0	43.9	45.8	43.4	29.9	30.5	31.0
100°	12.4	9.9	14.0	20.6	25.5	25.8	24.7	22.8	19.2	12.6	6.3
102.5°	4.1	4.1	9.6	13.4	15.1	12.1	9.6	9.6	11.3	8.0	4.1
105°	4.1	4.1	5.2	6.3	6.3	3.3	3.0	4.9	7.1	4.1	4.1
107.5°	3.8	4.1	2.7	2.5	2.2	2.2	2.2	2.2	2.7	3.0	4.1



REPORT NUMBER: P414189

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	3.3	3.3	2.2	2.2	1.9	1.6	2.2	1.9	2.2	2.5	3.3
112.5°	2.5	2.7	1.6	1.6	1.6	1.4	1.9	1.6	1.6	1.9	2.2
115°	2.5	2.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.6	2.2
117.5°	2.5	2.2	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.6	2.2
120°	2.5	2.2	1.4	1.1	0.8	0.8	0.8	0.8	1.1	1.4	2.2
122.5°	2.2	2.2	1.4	1.1	0.8	0.8	0.8	0.8	0.8	1.4	2.2
125°	2.2	2.2	1.4	1.1	0.8	0.8	0.5	0.8	0.8	1.4	1.9
127.5°	2.2	1.9	1.4	0.8	0.8	0.5	0.5	0.5	0.8	1.1	1.9
130°	1.9	1.9	1.4	0.8	0.5	0.5	0.5	0.5	0.5	1.1	1.6
132.5°	1.6	1.6	1.1	0.8	0.5	0.5	0.5	0.5	0.5	0.8	1.4
135°	1.4	1.4	1.1	0.8	0.5	0.8	0.5	0.5	0.5	0.5	1.1
137.5°	1.4	1.4	1.1	0.8	0.5	0.8	0.5	0.5	0.5	0.5	0.8
140°	1.4	1.4	1.1	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.8
142.5°	1.4	1.4	1.1	0.8	0.8	0.8	0.5	0.5	0.5	0.8	0.8
145°	1.4	1.4	1.4	1.1	0.8	0.8	0.5	0.5	0.8	0.8	1.1
147.5°	1.6	1.6	1.4	1.1	0.8	0.5	0.5	0.5	0.8	1.1	1.1
150°	1.4	1.4	1.1	0.8	0.8	0.5	0.3	0.3	0.5	1.1	1.1
152.5°	1.1	1.1	0.8	0.5	0.5	0.3	0.0	0.3	0.5	0.8	1.1
155°	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.3	0.5	0.8
157.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P414189

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
0°	1.1
2.5°	1.1
5°	1.1
7.5°	1.4
10°	2.2
12.5°	22.0
15°	47.2
17.5°	53.0
20°	96.1
22.5°	108.1
25°	127.6
27.5°	166.6
30°	177.0
32.5°	235.8
35°	248.4
37.5°	265.4
40°	283.8
42.5°	307.4
45°	336.8
47.5°	370.8
50°	404.6
52.5°	445.2
55°	492.1
57.5°	536.9
60°	588.2
62.5°	639.8
65°	703.8
67.5°	754.0
70°	809.2
72°	829.8
72.5°	824.8
75°	766.6
77.5°	619.8
80°	314.8
82.5°	111.4
85°	68.3
87.5°	52.2
90°	49.1
92.5°	52.4
95°	55.7
97.5°	29.6
100°	4.4
102.5°	4.4
105°	4.4
107.5°	4.4



REPORT NUMBER: P414189

CATALOG NUMBER: LXF.LXT-PA1-20-730-U-5WQ-CL

CANDELA DISTRIBUTION (continued):

	90°
110°	3.6
112.5°	2.5
115°	2.5
117.5°	2.5
120°	2.5
122.5°	2.5
125°	2.2
127.5°	1.9
130°	1.6
132.5°	1.4
135°	1.1
137.5°	0.8
140°	0.8
142.5°	0.8
145°	1.1
147.5°	1.1
150°	1.1
152.5°	1.1
155°	0.8
157.5°	0.3
160°	0.3
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)