

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: P414086

Luminaire Tested: **LXF.LXT-PA1-20-722-U-5WQ-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-722-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1987 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

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

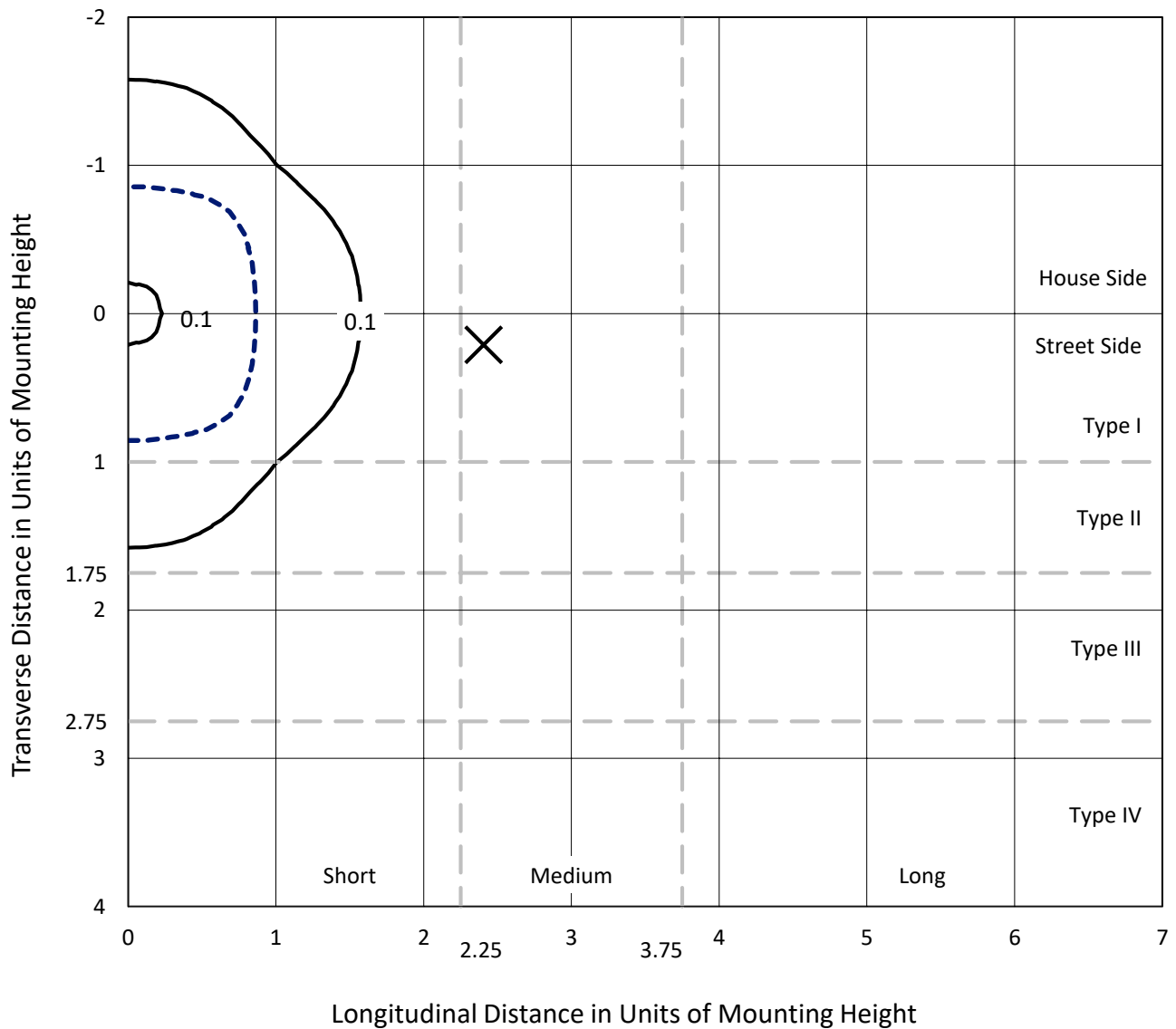


REPORT NUMBER: P414086

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-5WQ-FL

### Iso-Footcandle Lines of Horizontal Illumination

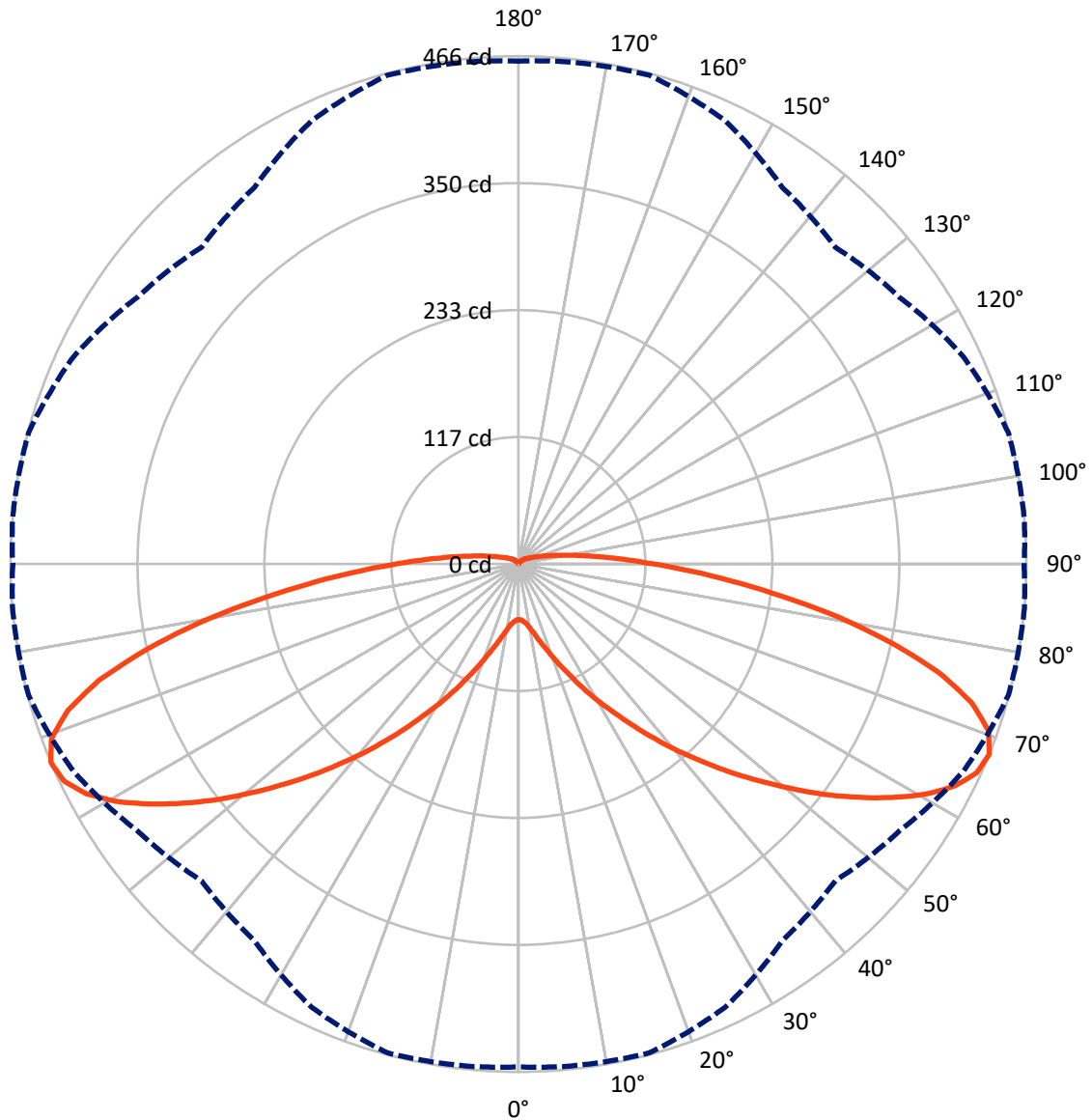
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc  
 Type V - Medium - Non-Cutoff

REPORT NUMBER: P414086  
CATALOG NUMBER: LXF.LXT-PA1-20-722-U-5WQ-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P414086

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-5WQ-FL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	901.0	92.5	993.5
	% Fixture	45.3	4.7	50.0
<b>Street Side</b>	Lumens	901.0	92.5	993.5
	% Fixture	45.3	4.7	50.0
<b>Total</b>	Lumens	1802.0	185.0	1987.0
	% Fixture	90.7	9.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.3	0.3
10°-20°	21.6	1.1
20°-30°	54.6	2.7
30°-40°	112.4	5.7
40°-50°	202.1	10.2
50°-60°	323.0	16.3
60°-70°	432.2	21.8
70°-80°	409.5	20.6
80°-90°	241.2	12.1
90°-100°	104.2	5.2
100°-110°	44.4	2.2
110°-120°	20.4	1.0
120°-130°	9.8	0.5
130°-140°	4.4	0.2
140°-150°	1.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1802.0	90.7
0°-180°	1987.0	100.0



REPORT NUMBER: P414086

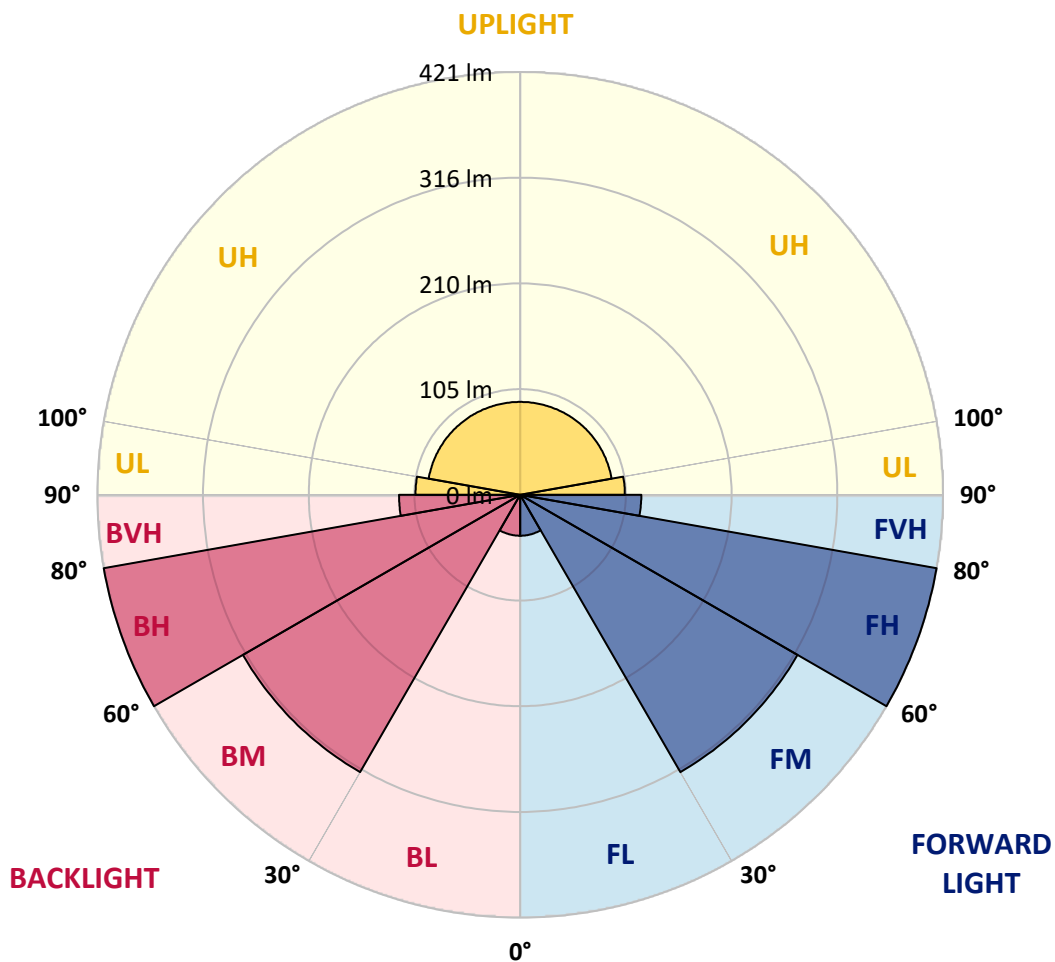
CATALOG NUMBER: LXF.LXT-PA1-20-722-U-5WQ-FL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	40.8	2.1			
FM (30°-60°)	318.8	16.0			
FH (60°-80°)	420.9	21.2			G0/660
FVH (80°-90°)	120.6	6.1			G2/225
BL (0°-30°)	40.8	2.1	B0/110		
BM (30°-60°)	318.8	16.0	B1/1000		
BH (60°-80°)	420.9	21.2	B1/500		G0/660
BVH (80°-90°)	120.6	6.1			G2/225
UL (90°-100°)	104.2	5.2		U3/500	
UH (100°-180°)	92.5	4.7		U3/500	

**BUG Rating: B1-U3-G2**

Type V Medium





REPORT NUMBER: P414086

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-5WQ-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2.5°	51.4	51.2	51.4	51.4	51.6	51.6	51.6	51.6	51.4	51.4	51.4
5°	53.2	53.2	53.2	53.2	53.4	53.4	53.4	53.2	53.2	53.2	53.2
7.5°	56.5	56.3	56.5	56.3	56.3	56.0	56.3	56.0	55.8	55.8	55.8
10°	60.7	60.7	60.7	60.5	60.5	60.5	60.0	60.0	60.0	60.3	60.0
12.5°	67.6	67.1	67.1	66.2	65.8	65.6	65.4	65.4	66.0	66.0	65.6
15°	75.5	75.3	75.3	74.2	73.3	72.0	72.2	73.1	73.1	73.6	73.3
17.5°	85.1	84.8	84.2	83.1	82.0	81.1	80.6	81.1	81.5	81.7	82.0
20°	95.5	95.3	94.4	93.3	92.2	91.7	90.2	90.8	91.3	91.7	91.5
22.5°	106.6	106.6	105.7	104.1	103.0	102.1	101.5	100.8	102.4	103.2	103.5
25°	120.1	119.6	118.1	116.3	115.0	114.3	113.4	113.4	114.5	116.3	116.8
27.5°	134.3	133.8	131.6	129.6	127.8	126.3	125.8	126.5	128.5	131.2	131.2
30°	150.0	149.1	147.1	144.0	141.1	139.6	140.0	141.1	144.0	147.1	146.9
32.5°	167.3	165.7	163.5	160.0	155.7	153.5	154.2	157.3	160.2	163.5	163.9
35°	185.6	185.4	181.9	177.2	171.9	168.4	169.7	173.9	178.3	183.0	183.7
37.5°	204.5	205.1	200.9	195.8	188.1	183.9	186.8	192.7	198.3	203.4	203.8
40°	227.5	226.9	222.6	215.1	205.8	201.2	203.6	212.0	219.1	225.5	226.0
42.5°	251.2	249.5	245.9	236.8	224.4	220.2	223.8	233.3	242.8	248.1	248.3
45°	273.6	274.3	270.3	259.4	245.7	239.3	244.4	255.7	266.7	272.5	273.2
47.5°	301.7	300.0	296.4	282.5	267.0	260.5	266.3	280.0	292.2	297.5	297.3
50°	329.2	328.1	323.0	308.4	290.9	283.1	288.9	305.7	319.0	323.7	324.8
52.5°	355.3	354.9	350.5	334.3	315.5	305.9	313.9	331.4	346.7	351.4	351.8
55°	382.2	380.8	377.5	360.7	339.2	328.5	338.5	358.0	373.7	378.2	378.4
57.5°	406.1	407.0	404.3	386.6	361.8	351.6	362.7	384.4	400.3	404.5	405.2
60°	430.0	430.2	428.2	411.0	384.6	373.1	385.9	408.5	425.6	429.3	429.6
62.5°	448.8	449.3	447.7	428.9	402.5	391.5	405.6	429.1	446.6	449.3	449.1
65°	460.4	461.7	460.8	443.7	415.6	405.4	420.3	444.9	460.8	462.4	461.7
67.5°	461.7	463.2	464.6	449.1	422.3	411.4	427.1	450.6	465.7	466.3	464.3
70°	451.9	453.5	456.6	443.7	418.9	409.8	424.9	446.0	458.6	457.7	455.5
72.5°	426.9	430.2	434.9	426.2	405.4	397.9	412.7	429.6	438.2	434.9	431.8
75°	391.0	394.3	403.2	398.3	382.4	378.2	389.2	401.9	404.3	399.4	395.2
77.5°	347.4	351.6	359.8	363.5	352.9	348.7	358.0	364.7	362.0	351.4	348.3
80°	296.4	303.1	311.7	317.7	315.0	313.7	318.4	317.7	307.9	299.5	294.2
82.5°	249.9	251.2	264.5	272.0	272.9	273.4	274.7	266.7	255.4	244.1	239.3
85°	204.3	204.7	215.8	226.6	230.8	232.2	229.7	219.1	207.4	194.7	191.4
87.5°	163.7	164.4	174.1	185.2	192.5	193.4	188.8	178.3	163.7	152.4	149.5
90°	129.4	131.6	141.3	150.4	158.2	159.5	152.9	141.8	128.3	117.4	115.6
92.5°	103.5	104.6	113.4	121.8	129.2	129.4	124.7	113.4	101.5	91.7	89.5
95°	83.1	84.0	91.1	98.8	104.8	106.1	100.8	90.8	79.8	71.3	70.9
97.5°	66.2	67.3	72.9	81.1	85.5	86.4	82.9	73.6	63.4	55.8	55.8
100°	53.2	53.8	58.7	65.6	70.2	71.1	67.6	59.4	50.5	43.9	43.4
102.5°	43.2	43.6	47.6	53.8	58.0	58.9	55.8	49.2	40.5	35.2	35.0
105°	35.4	35.7	38.8	44.5	48.5	49.2	46.3	40.5	32.8	28.4	28.1
107.5°	29.0	29.2	31.7	37.0	40.8	41.4	39.0	33.2	26.6	23.5	23.0
110°	24.4	24.6	26.4	30.6	34.3	35.2	32.8	27.7	21.9	19.3	19.3



REPORT NUMBER: P414086

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-5WQ-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	20.6	20.8	22.2	25.7	29.0	30.1	27.7	23.0	18.4	16.4	16.2
115°	17.5	17.7	18.6	21.7	24.4	25.3	23.5	19.3	15.5	14.0	14.0
117.5°	15.3	15.5	16.0	18.4	20.8	21.5	19.7	16.2	13.1	12.2	12.2
120°	13.5	13.5	13.7	15.5	17.5	18.2	16.6	13.7	11.3	10.6	10.6
122.5°	11.7	11.7	12.0	13.3	14.8	15.3	14.0	11.5	9.7	9.5	9.3
125°	10.4	10.4	10.4	11.3	12.6	12.8	11.7	9.7	8.6	8.4	8.4
127.5°	9.1	9.1	9.1	9.5	10.4	10.6	9.7	8.2	7.5	7.3	7.3
130°	8.0	8.0	8.0	8.2	8.6	8.9	8.0	7.1	6.6	6.6	6.6
132.5°	7.1	7.1	6.9	6.9	7.1	7.1	6.6	6.0	5.8	5.8	5.8
135°	6.2	6.2	6.0	5.8	5.8	5.5	5.1	4.9	5.1	5.1	5.1
137.5°	5.3	5.3	5.1	4.9	4.7	4.4	4.2	4.0	4.2	4.4	4.4
140°	4.4	4.4	4.2	3.8	3.5	3.3	3.1	3.3	3.5	3.8	3.8
142.5°	3.5	3.5	3.5	3.1	2.7	2.4	2.4	2.7	2.9	3.1	3.1
145°	2.9	2.9	2.7	2.4	2.0	1.8	1.8	2.0	2.4	2.4	2.4
147.5°	2.2	2.2	2.0	1.8	1.3	1.1	1.3	1.6	1.8	2.0	2.0
150°	1.6	1.6	1.6	1.3	0.9	0.9	0.9	1.1	1.3	1.3	1.3
152.5°	0.9	0.9	0.9	0.9	0.7	0.4	0.7	0.9	0.9	0.9	0.9
155°	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.7	0.7	0.7	0.7
157.5°	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.0	0.0	0.2	0.2	0.4	0.4	0.4	0.4	0.2	0.2	0.2
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

(END OF REPORT)