

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: P414918

Luminaire Tested: **LXF.LXT-PA1-40-722-U-5WQ-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414918  
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-PA1-40-722-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 500mA 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: 3610 lumens  
Efficiency: N/A  
Efficacy: 90.2 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: B2 - U3 - G2

Input Watts (W): 40  
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

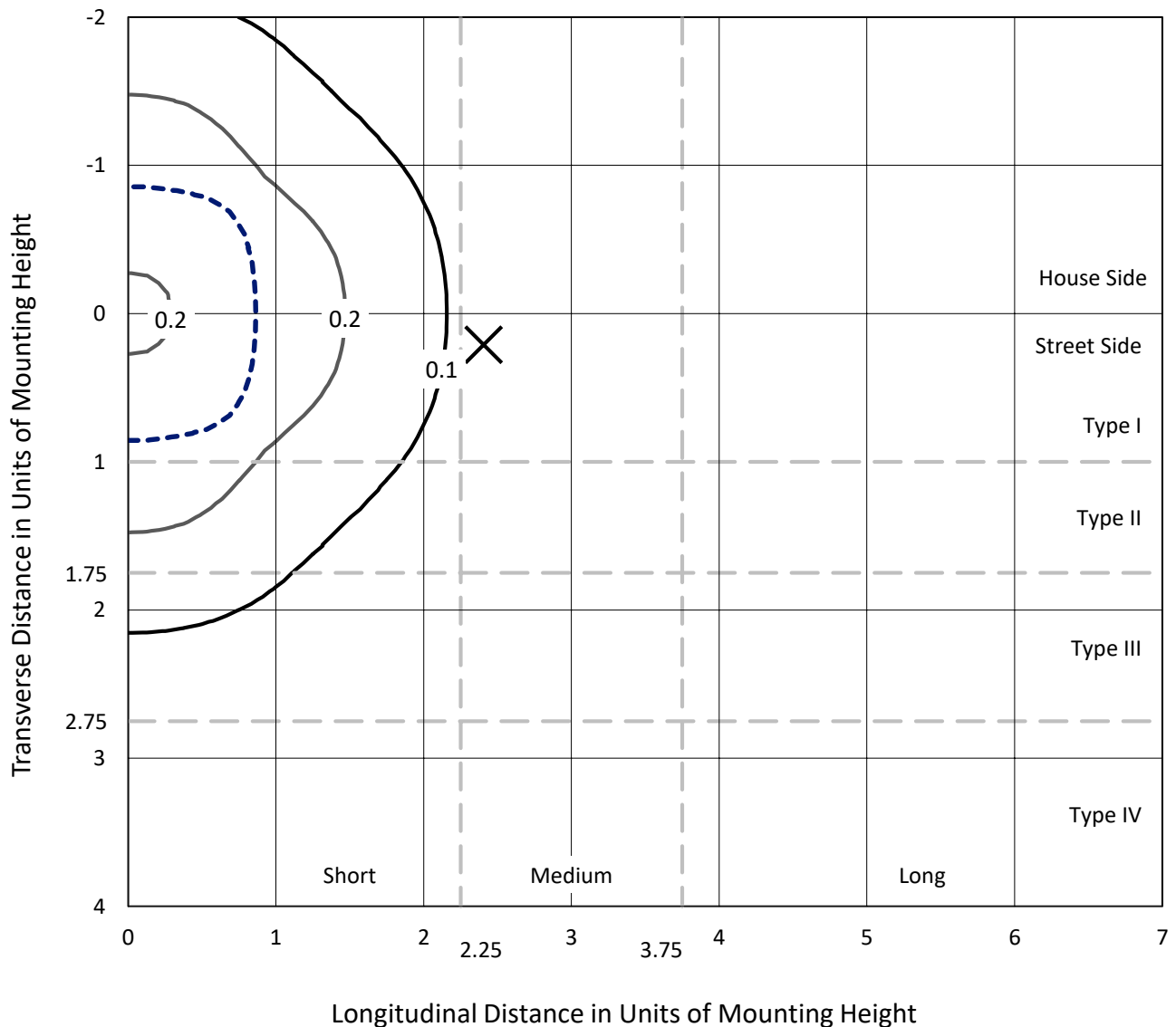


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### Iso-Footcandle Lines of Horizontal Illumination

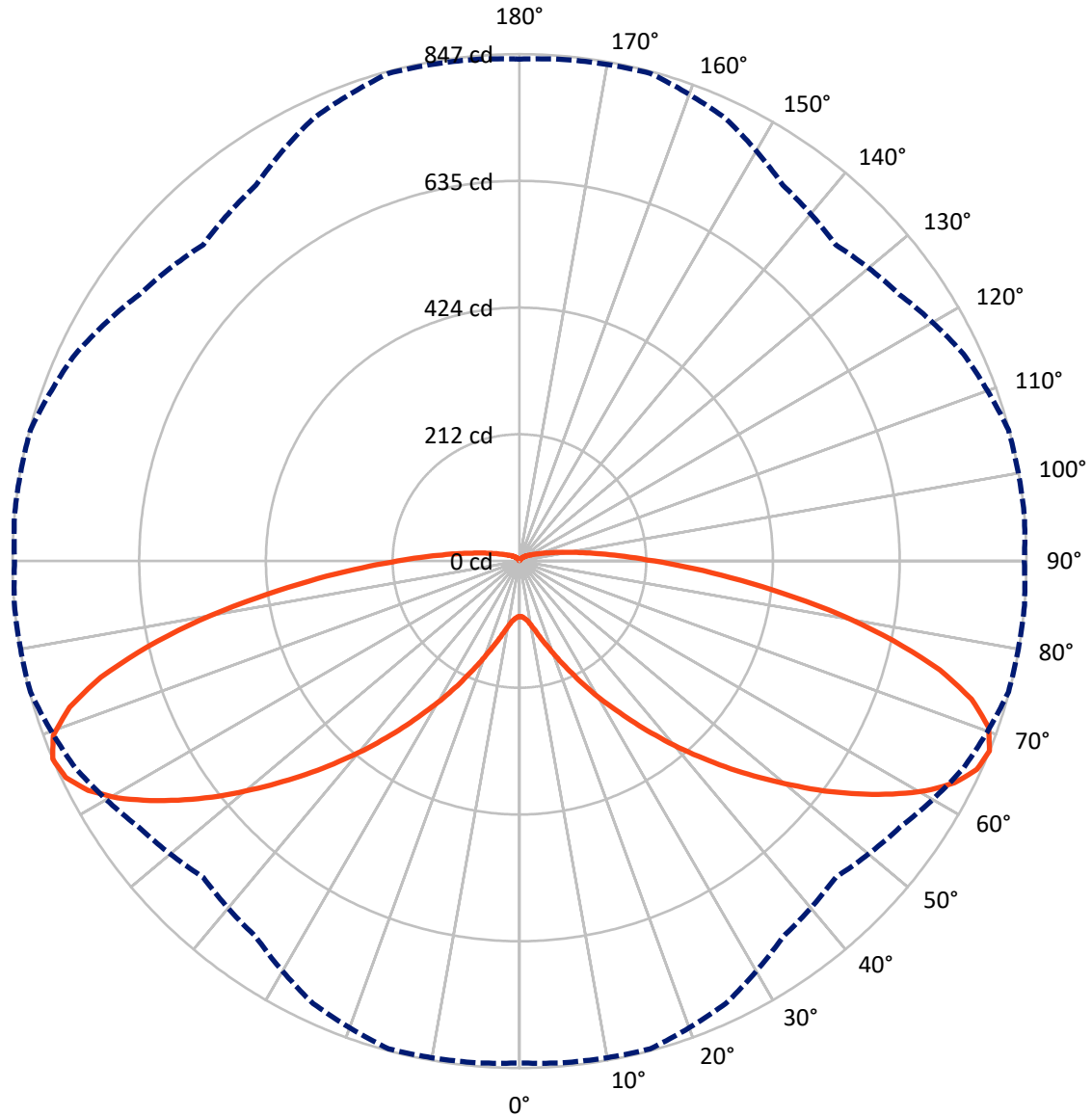
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1637.0	168.0	1805.0
	% Fixture	45.3	4.7	50.0
<b>Street Side</b>	Lumens	1637.0	168.0	1805.0
	% Fixture	45.3	4.7	50.0
<b>Total</b>	Lumens	3273.9	336.1	3610.0
	% Fixture	90.7	9.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.6	0.3
10°-20°	39.2	1.1
20°-30°	99.2	2.7
30°-40°	204.2	5.7
40°-50°	367.1	10.2
50°-60°	586.9	16.3
60°-70°	785.2	21.8
70°-80°	744.1	20.6
80°-90°	438.3	12.1
90°-100°	189.3	5.2
100°-110°	80.6	2.2
110°-120°	37.1	1.0
120°-130°	17.8	0.5
130°-140°	8.0	0.2
140°-150°	2.7	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3273.9	90.7
0°-180°	3610.0	100.0



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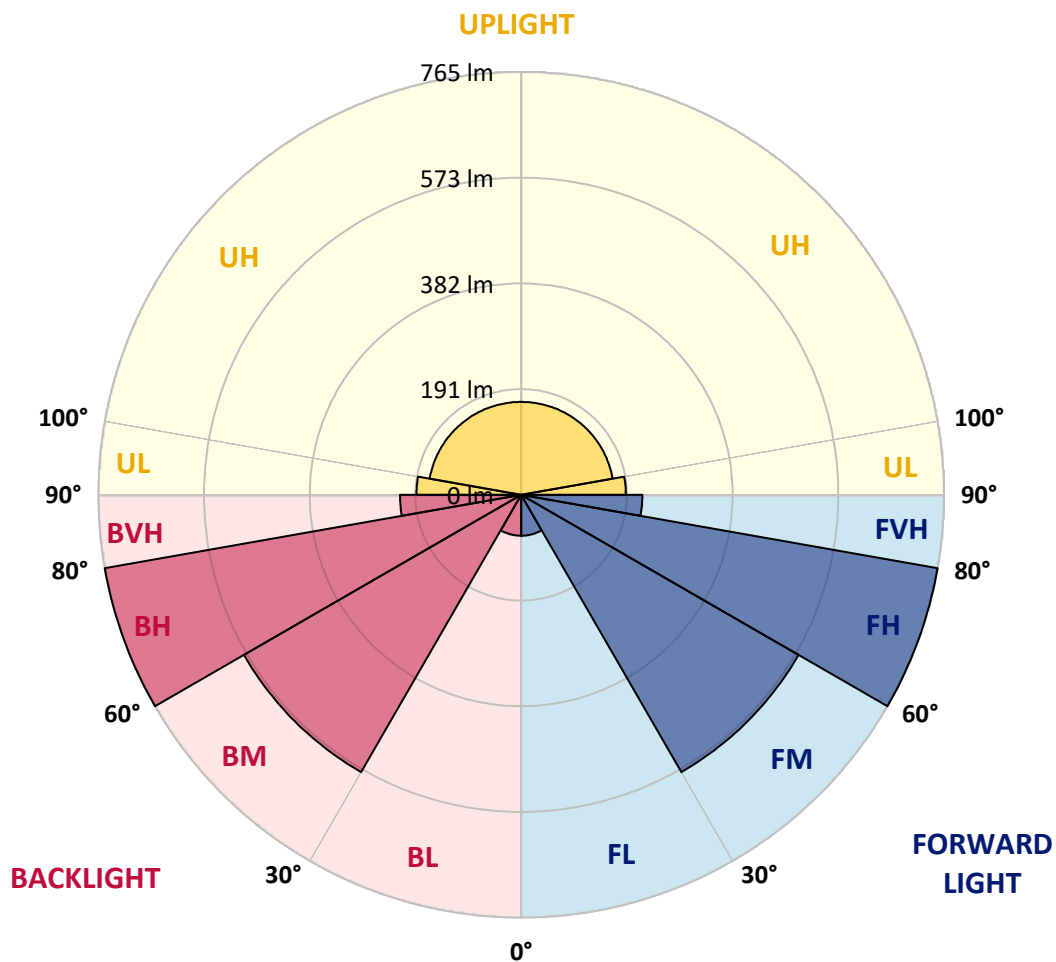
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	74.1	2.1			
FM	(30°-60°)	579.1	16.0			
FH	(60°-80°)	764.7	21.2			G1/1800
FVH	(80°-90°)	219.1	6.1			G2/225
BL	(0°-30°)	74.1	2.1	B0/110		
BM	(30°-60°)	579.1	16.0	B1/1000		
BH	(60°-80°)	764.7	21.2	B2/1000		G1/1800
BVH	(80°-90°)	219.1	6.1			G2/225
UL	(90°-100°)	189.3	5.2		U3/500	
UH	(100°-180°)	168.0	4.7		U3/500	

**BUG Rating: B2-U3-G2**

Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
2.5°	93.4	93.0	93.4	93.4	93.8	93.8	93.8	93.8	93.4	93.4	93.4
5°	96.6	96.6	96.6	96.6	97.0	97.0	97.0	96.6	96.6	96.6	96.6
7.5°	102.6	102.2	102.6	102.2	102.2	101.8	102.2	101.8	101.4	101.4	101.4
10°	110.3	110.3	110.3	109.9	109.9	109.9	109.1	109.1	109.1	109.5	109.1
12.5°	122.8	122.0	122.0	120.3	119.5	119.1	118.7	118.7	119.9	119.9	119.1
15°	137.3	136.8	136.8	134.8	133.2	130.8	131.2	132.8	132.8	133.6	133.2
17.5°	154.6	154.2	152.9	150.9	148.9	147.3	146.5	147.3	148.1	148.5	148.9
20°	173.5	173.1	171.5	169.4	167.4	166.6	163.8	165.0	165.8	166.6	166.2
22.5°	193.6	193.6	192.0	189.2	187.2	185.5	184.3	183.1	186.0	187.6	188.0
25°	218.2	217.3	214.5	211.3	208.9	207.7	206.1	206.1	208.1	211.3	212.1
27.5°	243.9	243.1	239.1	235.5	232.2	229.4	228.6	229.8	233.4	238.3	238.3
30°	272.5	270.9	267.3	261.6	256.4	253.6	254.4	256.4	261.6	267.3	266.9
32.5°	303.9	301.1	297.0	290.6	283.0	278.9	280.1	285.8	291.0	297.0	297.8
35°	337.3	336.9	330.4	322.0	312.3	305.9	308.3	316.0	324.0	332.5	333.7
37.5°	371.5	372.7	365.1	355.8	341.7	334.1	339.3	350.2	360.2	369.5	370.3
40°	413.4	412.2	404.5	390.8	373.9	365.5	369.9	385.2	398.1	409.7	410.5
42.5°	456.4	453.2	446.8	430.3	407.7	400.1	406.5	423.8	441.1	450.8	451.2
45°	497.1	498.3	491.0	471.3	446.4	434.7	444.0	464.5	484.6	495.1	496.3
47.5°	548.2	545.0	538.5	513.2	485.0	473.3	483.8	508.8	530.9	540.5	540.1
50°	598.1	596.1	586.8	560.3	528.5	514.4	524.9	555.4	579.6	588.0	590.1
52.5°	645.6	644.8	636.7	607.4	573.2	555.8	570.3	602.1	629.9	638.4	639.2
55°	694.3	691.9	685.8	655.3	616.2	596.9	615.0	650.4	679.0	687.1	687.5
57.5°	737.8	739.4	734.6	702.4	657.3	638.8	658.9	698.3	727.3	735.0	736.2
60°	781.2	781.6	778.0	746.6	698.7	677.8	701.1	742.2	773.2	780.0	780.4
62.5°	815.5	816.3	813.4	779.2	731.3	711.2	737.0	779.6	811.4	816.3	815.9
65°	836.4	838.8	837.2	806.2	755.1	736.6	763.5	808.2	837.2	840.0	838.8
67.5°	838.8	841.6	844.0	815.9	767.2	747.4	776.0	818.7	846.0	847.2	843.6
70°	821.1	823.9	829.5	806.2	761.1	744.6	772.0	810.2	833.2	831.6	827.5
72.5°	775.6	781.6	790.1	774.4	736.6	722.9	749.8	780.4	796.1	790.1	784.5
75°	710.4	716.4	732.5	723.7	694.7	687.1	707.2	730.1	734.6	725.7	718.0
77.5°	631.1	638.8	653.7	660.5	641.2	633.5	650.4	662.5	657.7	638.4	632.7
80°	538.5	550.6	566.3	577.2	572.3	569.9	578.4	577.2	559.5	544.2	534.5
82.5°	454.0	456.4	480.6	494.3	495.9	496.7	499.1	484.6	464.1	443.5	434.7
85°	371.1	371.9	392.0	411.8	419.4	421.8	417.4	398.1	376.7	353.8	347.8
87.5°	297.4	298.7	316.4	336.5	349.8	351.4	342.9	324.0	297.4	276.9	271.7
90°	235.1	239.1	256.8	273.3	287.4	289.8	277.7	257.6	233.0	213.3	210.1
92.5°	188.0	190.0	206.1	221.4	234.7	235.1	226.6	206.1	184.3	166.6	162.6
95°	150.9	152.5	165.4	179.5	190.4	192.8	183.1	165.0	144.9	129.6	128.8
97.5°	120.3	122.4	132.4	147.3	155.4	157.0	150.5	133.6	115.1	101.4	101.4
100°	96.6	97.8	106.7	119.1	127.6	129.2	122.8	107.9	91.8	79.7	78.9
102.5°	78.5	79.3	86.5	97.8	105.5	107.1	101.4	89.4	73.7	64.0	63.6
105°	64.4	64.8	70.4	80.9	88.1	89.4	84.1	73.7	59.6	51.5	51.1
107.5°	52.7	53.1	57.6	67.2	74.1	75.3	70.8	60.4	48.3	42.7	41.9
110°	44.3	44.7	47.9	55.5	62.4	64.0	59.6	50.3	39.8	35.0	35.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	37.4	37.8	40.2	46.7	52.7	54.7	50.3	41.9	33.4	29.8	29.4
115°	31.8	32.2	33.8	39.4	44.3	45.9	42.7	35.0	28.2	25.4	25.4
117.5°	27.8	28.2	29.0	33.4	37.8	39.0	35.8	29.4	23.7	22.1	22.1
120°	24.6	24.6	25.0	28.2	31.8	33.0	30.2	25.0	20.5	19.3	19.3
122.5°	21.3	21.3	21.7	24.1	27.0	27.8	25.4	20.9	17.7	17.3	16.9
125°	18.9	18.9	18.9	20.5	22.9	23.3	21.3	17.7	15.7	15.3	15.3
127.5°	16.5	16.5	16.5	17.3	18.9	19.3	17.7	14.9	13.7	13.3	13.3
130°	14.5	14.5	14.5	14.9	15.7	16.1	14.5	12.9	12.1	12.1	12.1
132.5°	12.9	12.9	12.5	12.5	12.9	12.9	12.1	10.9	10.5	10.5	10.5
135°	11.3	11.3	10.9	10.5	10.5	10.1	9.3	8.9	9.3	9.3	9.3
137.5°	9.7	9.7	9.3	8.9	8.5	8.0	7.6	7.2	7.6	8.0	8.0
140°	8.0	8.0	7.6	6.8	6.4	6.0	5.6	6.0	6.4	6.8	6.8
142.5°	6.4	6.4	6.4	5.6	4.8	4.4	4.4	4.8	5.2	5.6	5.6
145°	5.2	5.2	4.8	4.4	3.6	3.2	3.2	3.6	4.4	4.4	4.4
147.5°	4.0	4.0	3.6	3.2	2.4	2.0	2.4	2.8	3.2	3.6	3.6
150°	2.8	2.8	2.8	2.4	1.6	1.6	1.6	2.0	2.4	2.4	2.4
152.5°	1.6	1.6	1.6	1.6	1.2	0.8	1.2	1.6	1.6	1.6	1.6
155°	1.2	1.2	1.2	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.2
157.5°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.4	0.4	0.8	0.8	0.8	0.8	0.4	0.4	0.4
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)