

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: P414552

Luminaire Tested: **LXF.LXT-PA1-30-727-U-5WQ-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414552  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-727-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3244 lumens  
Efficiency: N/A  
Efficacy: 104.6 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 - U3 - G2

Input Watts (W): 31  
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

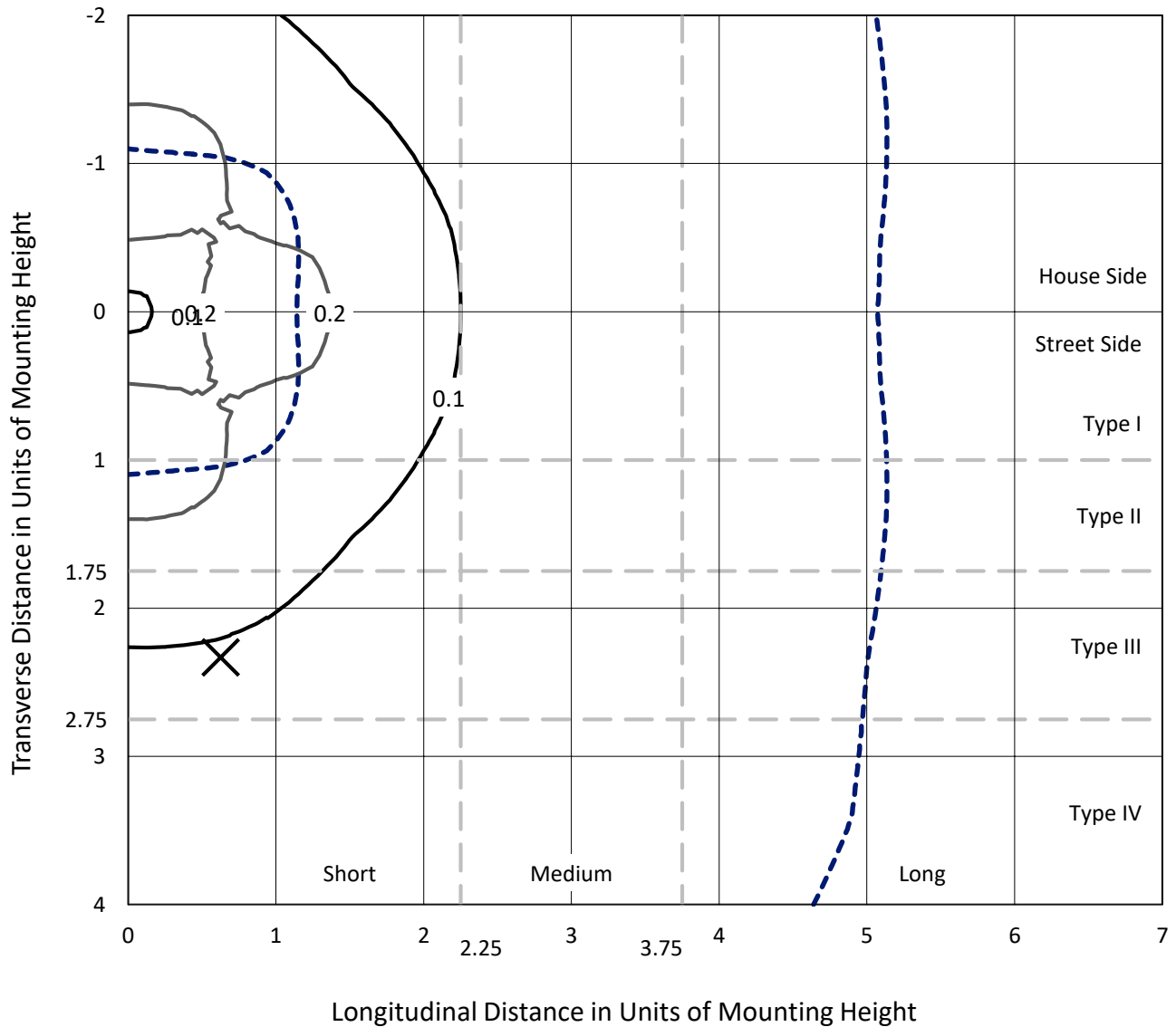


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

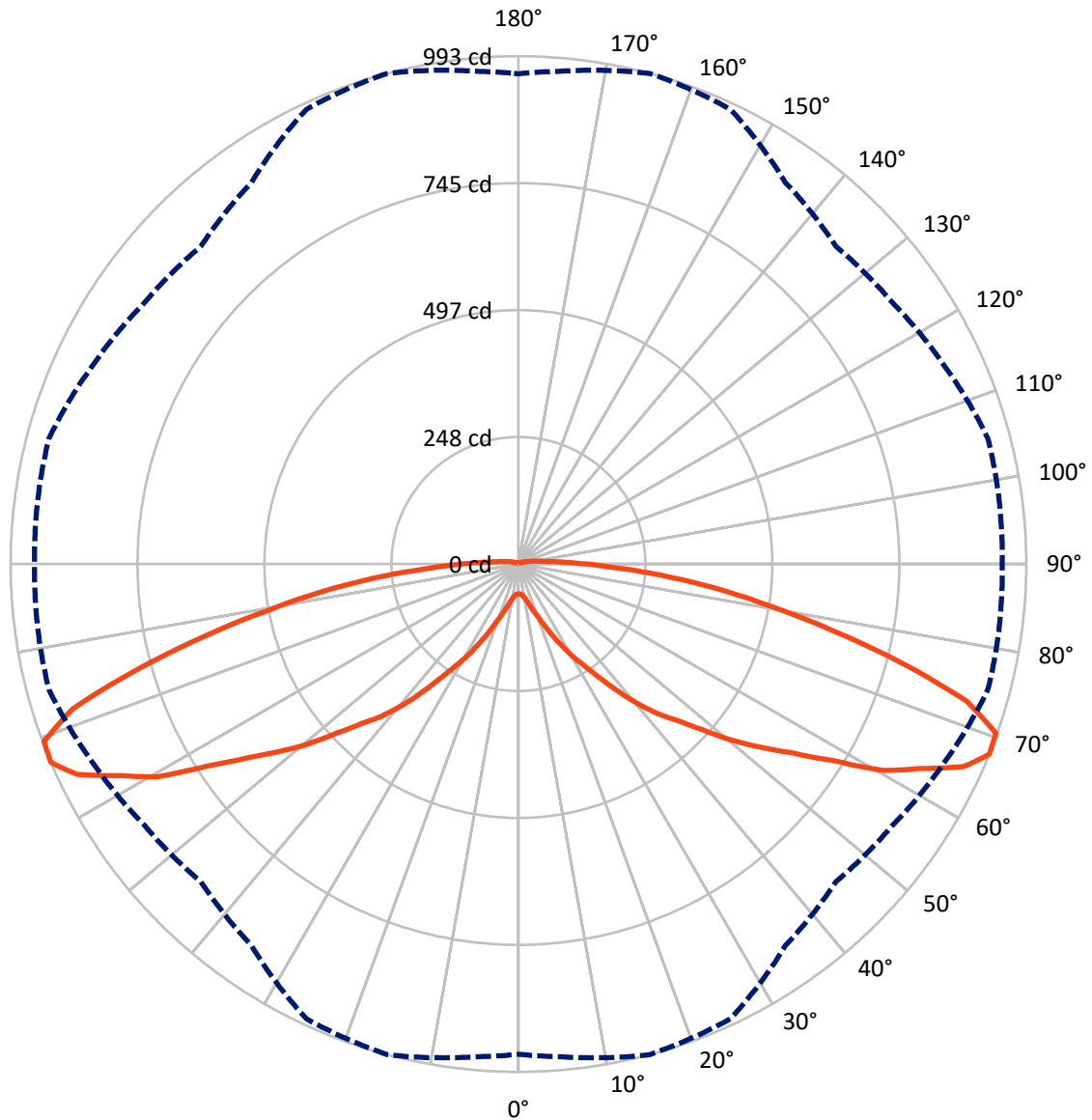


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1558.0	64.0	1622.0
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	1558.0	64.0	1622.0
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	3115.9	128.0	3244.0
	% Fixture	96.1	3.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.9	0.2
10°-20°	24.2	0.7
20°-30°	69.8	2.2
30°-40°	164.5	5.1
40°-50°	310.0	9.6
50°-60°	552.9	17.0
60°-70°	874.1	26.9
70°-80°	770.2	23.7
80°-90°	344.2	10.6
90°-100°	85.5	2.6
100°-110°	23.6	0.7
110°-120°	9.4	0.3
120°-130°	5.0	0.2
130°-140°	2.9	0.1
140°-150°	1.2	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3115.9	96.1
0°-180°	3244.0	100.0



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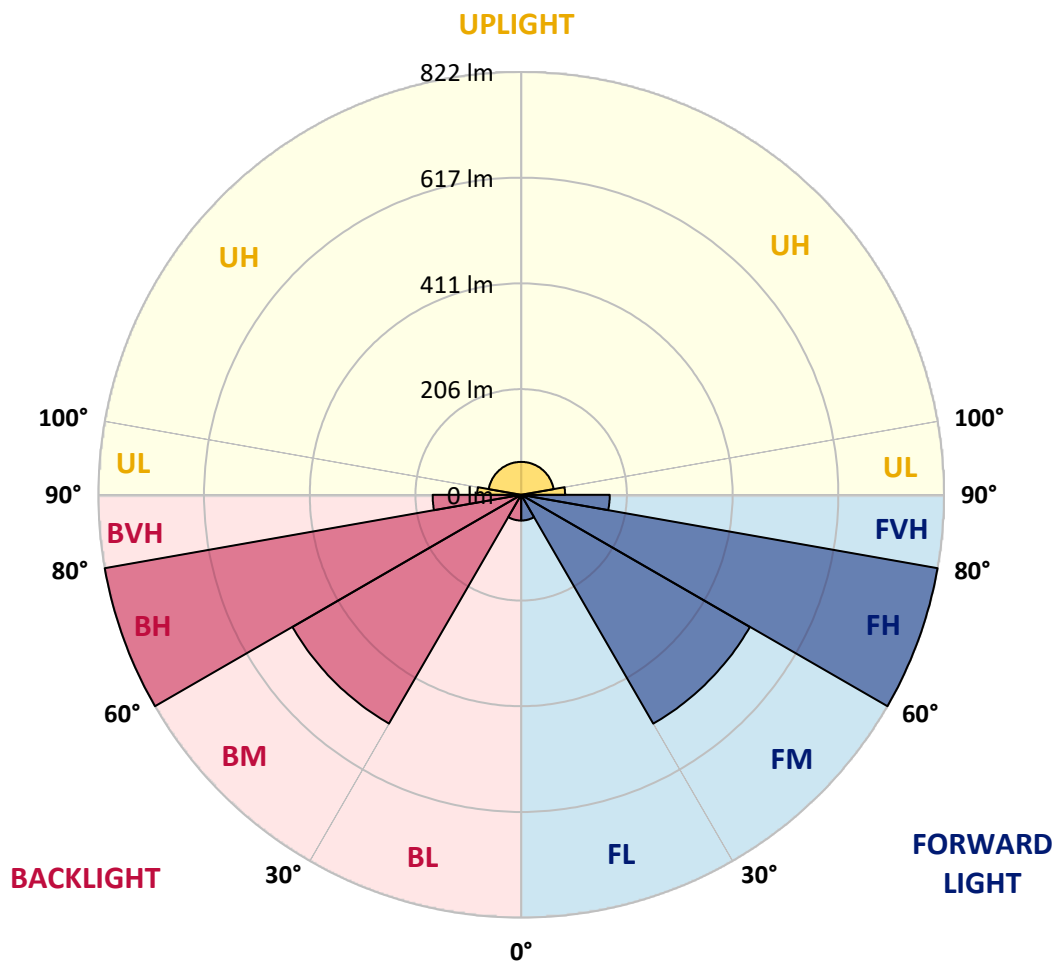
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	50.0	1.5			
FM (30°-60°)	513.7	15.8			
FH (60°-80°)	822.2	25.3			G1/1800
FVH (80°-90°)	172.1	5.3			G2/225
BL (0°-30°)	50.0	1.5	B0/110		
BM (30°-60°)	513.7	15.8	B1/1000		
BH (60°-80°)	822.2	25.3	B2/1000		G1/1800
BVH (80°-90°)	172.1	5.3			G2/225
UL (90°-100°)	85.5	2.6		U3/500	
UH (100°-180°)	64.0	2.0		U3/500	

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

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
2.5°	58.3	58.3	58.7	58.7	59.0	59.4	59.0	58.7	58.3	58.0	58.0
5°	60.1	60.1	60.1	60.1	60.5	60.5	60.1	59.4	59.0	58.7	58.7
7.5°	62.9	62.9	62.9	62.9	62.9	62.6	61.9	61.2	60.8	60.5	60.5
10°	67.5	67.5	66.8	66.8	66.5	66.1	65.4	64.7	64.0	64.4	64.4
12.5°	75.3	75.7	74.6	72.8	71.4	70.7	70.4	70.4	71.4	71.4	71.8
15°	86.6	86.6	84.9	82.4	79.6	77.4	78.1	79.9	81.7	82.7	82.7
17.5°	99.0	99.0	97.2	94.1	90.2	89.1	88.7	90.5	94.4	95.8	96.2
20°	114.6	114.6	111.4	106.8	103.2	101.8	101.8	104.7	108.9	112.1	111.7
22.5°	135.8	135.4	130.8	123.0	118.5	116.3	116.0	119.9	127.3	132.2	133.7
25°	161.2	160.9	154.9	144.6	137.5	131.9	133.3	140.0	151.3	159.1	159.1
27.5°	190.2	188.8	181.0	169.7	159.1	151.7	153.8	163.4	177.5	188.1	188.5
30°	218.5	218.5	210.0	196.6	182.4	173.3	175.7	189.2	206.1	222.8	223.1
32.5°	248.6	248.2	237.6	224.2	206.8	196.6	200.5	217.1	241.1	260.2	263.8
35°	287.1	287.5	272.6	254.2	232.3	221.0	226.3	247.9	276.5	299.5	301.6
37.5°	328.5	330.6	314.3	290.6	261.3	247.5	255.3	280.4	313.6	337.7	337.7
40°	373.0	374.1	359.2	329.2	293.8	275.8	286.0	312.9	338.4	358.9	359.9
42.5°	410.9	411.9	400.3	370.9	331.3	309.7	315.8	336.3	360.3	383.3	385.4
45°	440.6	444.1	437.0	411.9	371.6	345.5	344.7	365.6	394.6	418.6	421.5
47.5°	494.3	496.1	483.7	454.0	413.0	384.3	381.5	402.4	440.2	466.0	467.8
50°	541.7	547.0	542.4	510.6	461.8	427.1	427.5	455.1	496.1	522.2	524.7
52.5°	595.1	597.6	596.1	568.9	521.5	480.5	485.1	516.2	560.4	576.7	579.5
55°	643.9	647.8	652.7	632.6	585.5	549.5	553.7	586.9	616.6	632.2	633.6
57.5°	721.3	725.2	724.8	695.1	654.8	619.8	626.9	653.1	692.0	718.5	723.1
60°	805.5	811.1	820.0	781.4	721.0	696.6	705.4	743.2	787.4	791.3	796.3
62.5°	861.7	864.5	881.1	868.4	798.0	768.7	792.0	824.2	847.2	850.7	849.3
65°	935.2	944.4	956.1	926.7	870.2	829.9	856.7	880.8	922.1	925.7	925.0
67.5°	958.6	967.4	993.2	981.2	910.5	878.3	892.1	918.6	950.4	947.6	946.2
70°	960.3	968.8	990.7	984.4	919.7	875.1	889.3	899.5	928.9	929.2	925.3
72.5°	864.2	879.0	916.5	927.8	871.2	825.6	826.7	826.3	828.4	805.1	795.9
75°	728.0	738.6	775.4	802.6	773.6	734.4	733.7	704.0	697.6	679.9	673.6
77.5°	583.1	596.1	631.5	661.2	650.9	629.7	618.8	585.2	576.0	555.8	558.3
80°	453.3	463.5	498.6	537.1	539.9	525.1	513.0	485.5	467.4	450.5	443.0
82.5°	349.0	357.8	387.9	429.6	446.9	445.2	428.2	397.1	380.8	364.5	355.0
85°	241.1	248.9	278.6	329.2	360.3	371.3	352.2	312.9	283.9	260.9	255.6
87.5°	155.6	159.1	182.8	226.6	273.3	299.1	279.0	229.8	193.4	175.0	169.0
90°	97.2	102.5	119.5	146.7	192.3	225.2	204.7	154.9	128.7	110.0	106.1
92.5°	67.5	66.8	78.5	97.6	131.2	158.1	140.4	102.5	81.3	68.9	66.5
95°	44.6	46.3	52.7	64.7	88.7	105.4	92.6	68.2	53.4	44.6	43.5
97.5°	33.2	33.6	38.5	46.0	60.5	69.3	61.5	47.4	37.8	32.2	31.8
100°	26.2	26.5	30.1	34.3	42.4	48.1	43.1	35.7	29.3	25.1	25.1
102.5°	20.5	20.9	23.3	26.9	32.2	35.7	32.9	27.6	23.0	19.8	19.4
105°	16.3	16.3	18.4	21.2	25.1	27.6	25.8	21.6	17.7	15.6	15.6
107.5°	12.7	13.1	14.5	16.6	20.2	22.6	20.5	16.6	13.8	12.0	12.0
110°	10.3	10.3	11.3	13.4	16.3	18.4	16.6	13.4	11.0	9.9	9.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.5	8.5	9.2	11.0	13.4	15.2	13.4	11.0	8.8	8.1	8.1
115°	7.1	7.1	7.8	8.8	11.3	12.4	11.3	8.8	7.4	6.7	6.7
117.5°	6.4	6.4	6.7	7.8	9.5	10.3	9.5	7.4	6.4	6.0	6.0
120°	5.7	5.7	6.0	6.7	8.1	8.8	8.1	6.7	5.7	5.3	5.3
122.5°	5.3	5.3	5.3	6.0	7.4	7.8	7.1	6.0	5.0	5.0	5.0
125°	5.0	5.0	5.0	5.3	6.4	6.7	6.4	5.3	4.6	4.6	4.6
127.5°	4.6	4.6	4.6	5.0	5.7	6.0	5.7	5.0	4.2	4.2	4.2
130°	4.6	4.6	4.2	4.6	5.0	5.3	5.0	4.6	4.2	3.9	4.2
132.5°	4.2	4.2	4.2	4.2	4.6	4.6	4.6	4.2	3.9	3.9	3.9
135°	3.9	3.9	3.5	3.5	3.9	4.2	3.9	3.5	3.5	3.5	3.5
137.5°	3.5	3.2	3.2	3.2	3.5	3.5	3.5	3.2	3.2	3.2	3.2
140°	2.8	2.8	2.8	2.8	2.8	3.2	2.8	2.5	2.5	2.8	2.8
142.5°	2.5	2.5	2.5	2.1	2.5	2.5	2.5	2.1	2.1	2.1	2.1
145°	2.1	2.1	2.1	1.8	2.1	2.1	2.1	1.8	1.8	1.8	1.8
147.5°	1.4	1.8	1.4	1.4	1.8	1.8	1.4	1.4	1.4	1.4	1.4
150°	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1
152.5°	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1	0.7	0.7	0.7
155°	0.7	0.7	0.7	0.7	1.1	1.1	0.7	0.7	0.7	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.7	1.1	0.7	0.4	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.4	0.7	1.1	0.7	0.4	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

(END OF REPORT)