

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: P414608

Luminaire Tested: **LXF.LXT-PA1-30-730-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-730-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3518 lumens
Efficiency: N/A
Efficacy: 113.5 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

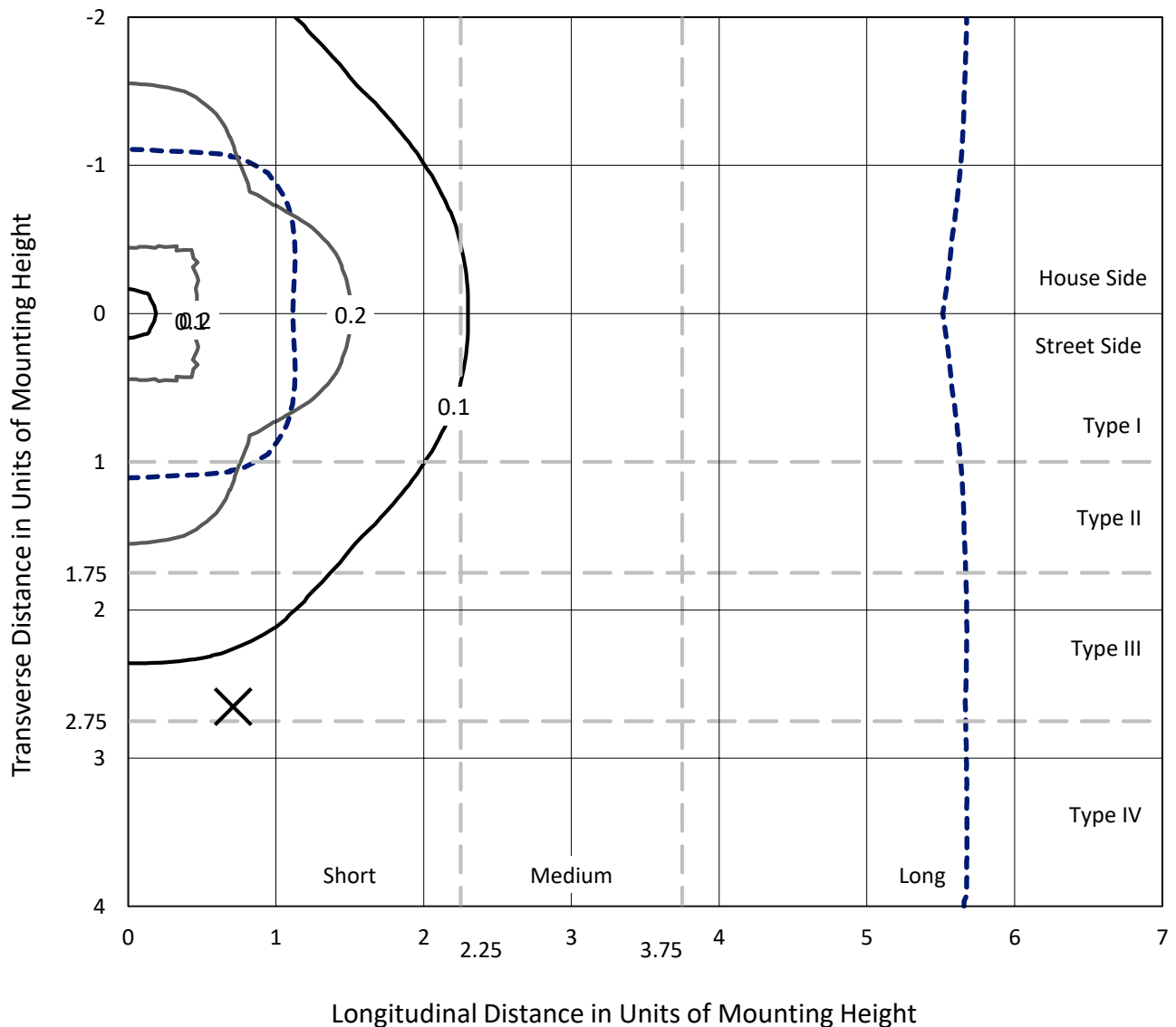


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Iso-Footcandle Lines of Horizontal Illumination

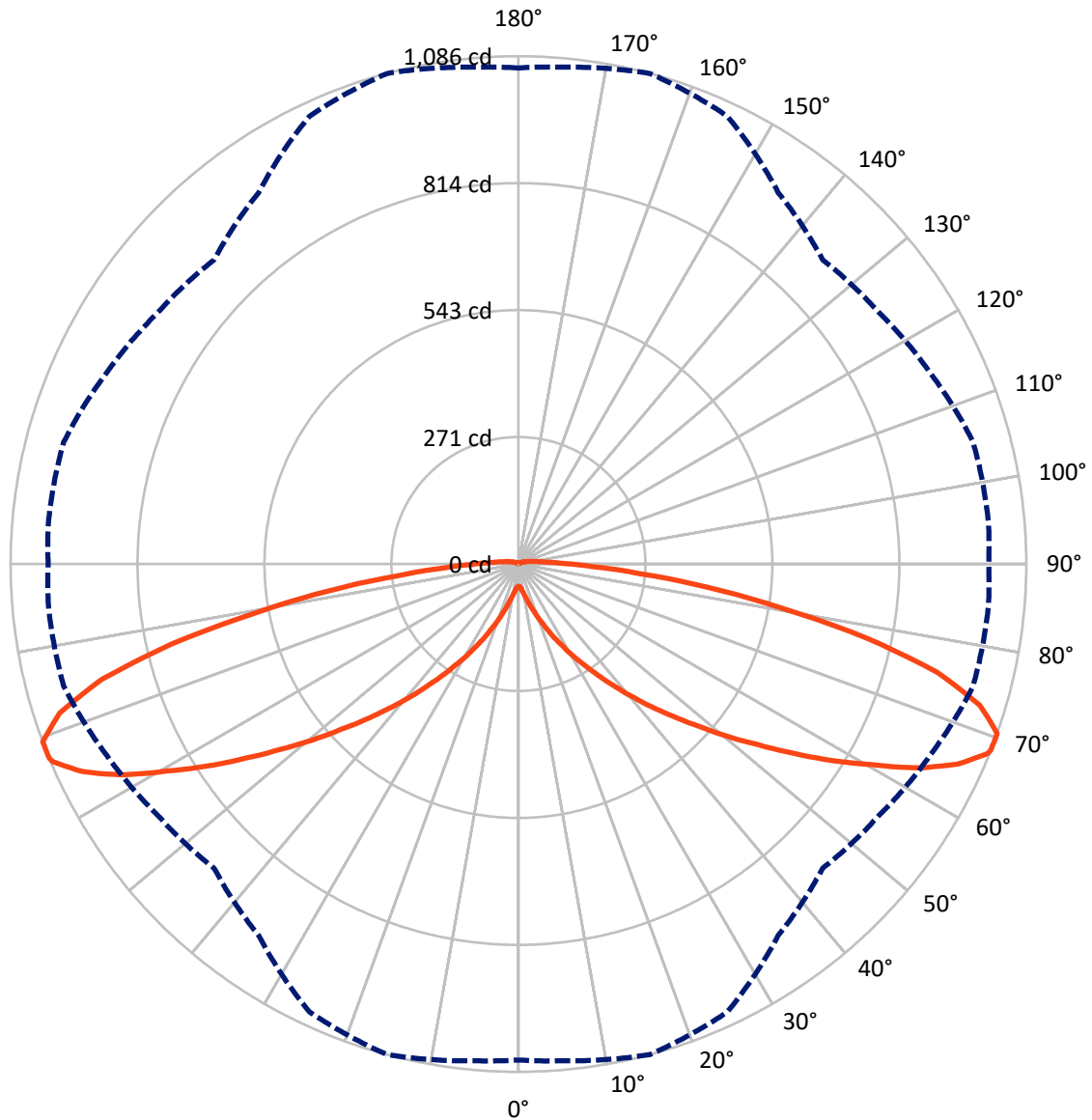
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1697.0	61.9	1759.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1697.0	61.9	1759.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	3394.1	123.9	3518.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.1
10°-20°	25.4	0.7
20°-30°	76.4	2.2
30°-40°	175.7	5.0
40°-50°	337.8	9.6
50°-60°	597.3	17.0
60°-70°	925.6	26.3
70°-80°	898.3	25.5
80°-90°	352.4	10.0
90°-100°	75.8	2.2
100°-110°	25.9	0.7
110°-120°	11.4	0.3
120°-130°	5.7	0.2
130°-140°	3.1	0.1
140°-150°	1.4	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3394.1	96.5
0°-180°	3518.0	100.0



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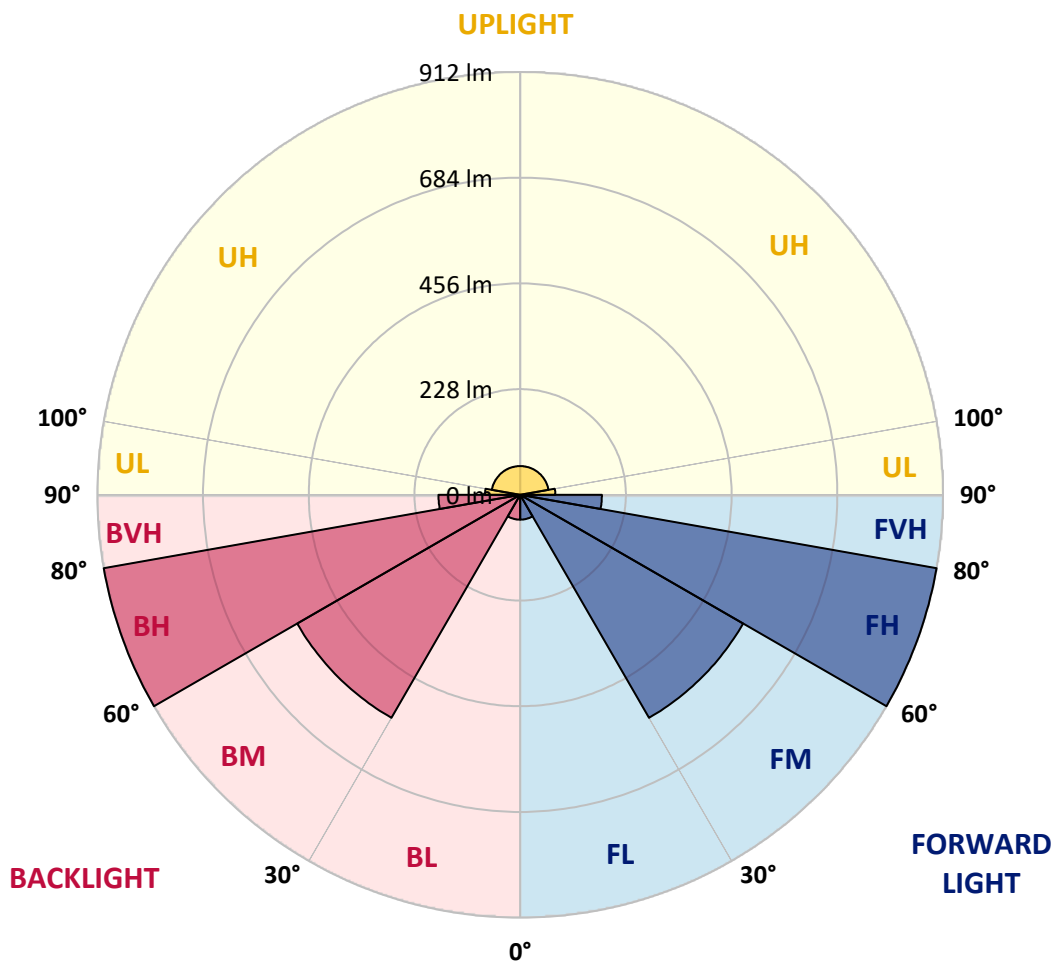
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.5	1.5			
FM	(30°-60°)	555.4	15.8			
FH	(60°-80°)	911.9	25.9			G1/1800
FVH	(80°-90°)	176.2	5.0			G2/225
BL	(0°-30°)	53.5	1.5	B0/110		
BM	(30°-60°)	555.4	15.8	B1/1000		
BH	(60°-80°)	911.9	25.9	B2/1000		G1/1800
BVH	(80°-90°)	176.2	5.0			G2/225
UL	(90°-100°)	75.8	2.2		U3/500	
UH	(100°-180°)	61.9	1.8		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°	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
2.5°	48.1	48.1	48.1	48.5	48.5	48.9	48.5	48.1	48.1	47.8	47.8
5°	51.6	51.6	51.6	51.6	52.0	52.0	51.2	50.8	50.4	50.4	50.4
7.5°	57.0	57.0	57.4	57.0	57.0	56.6	55.8	55.1	55.1	54.7	54.7
10°	65.5	64.7	64.7	64.3	63.9	63.2	62.4	62.0	61.2	61.2	60.5
12.5°	77.0	76.6	75.5	74.3	72.8	71.6	70.9	70.5	70.5	70.5	71.2
15°	90.5	90.9	90.1	87.4	84.3	82.0	81.6	81.6	82.4	83.2	83.2
17.5°	108.2	107.4	105.5	102.4	98.6	96.3	94.7	95.9	97.8	99.0	99.7
20°	127.5	127.1	124.4	119.4	115.1	112.1	110.9	112.4	115.9	119.0	118.6
22.5°	149.8	149.4	145.2	138.6	132.9	129.4	128.2	131.3	138.6	142.5	143.3
25°	175.2	174.1	170.2	161.4	153.3	147.9	148.6	154.0	163.7	171.4	171.0
27.5°	204.1	202.6	195.2	185.2	174.4	169.1	170.6	179.5	192.5	201.4	202.6
30°	235.7	233.4	225.7	211.0	198.7	191.0	194.9	207.2	223.7	236.4	238.0
32.5°	266.1	268.8	255.7	241.1	224.1	214.1	219.1	236.1	256.5	274.2	275.7
35°	304.6	302.3	291.1	271.9	251.1	240.7	247.2	268.0	291.1	311.9	312.7
37.5°	345.8	343.5	328.9	305.4	281.1	268.8	277.3	299.6	329.2	350.0	354.7
40°	390.1	385.5	372.0	343.1	313.5	300.8	308.8	337.0	368.9	391.6	394.7
42.5°	433.6	430.9	417.0	383.9	350.0	333.9	345.8	373.5	410.5	432.8	436.7
45°	481.0	480.6	465.6	429.4	391.2	373.1	385.5	416.3	451.7	477.5	479.8
47.5°	531.0	531.4	518.3	482.1	435.9	415.5	427.4	462.1	503.7	526.8	529.1
50°	590.3	588.0	579.2	536.8	488.3	465.2	480.6	516.8	555.3	579.9	582.3
52.5°	652.7	652.7	642.3	603.4	546.8	522.9	536.0	573.0	616.1	638.5	643.1
55°	722.0	719.0	714.7	672.4	614.6	586.9	600.0	641.9	681.6	700.9	701.2
57.5°	797.1	794.0	793.3	755.2	689.3	653.1	668.1	707.8	752.8	765.6	769.4
60°	869.9	875.3	872.2	838.7	764.4	723.6	740.5	782.1	825.6	837.2	841.0
62.5°	949.2	951.9	960.4	919.6	839.5	796.0	812.9	849.9	894.2	903.8	905.3
65°	1017.8	1020.5	1031.6	993.1	902.3	856.4	875.7	914.6	958.9	967.3	962.3
67.5°	1058.6	1064.8	1081.7	1045.1	951.5	901.1	920.7	957.3	995.8	1003.5	997.0
68°	1064.8	1069.8	1085.6	1052.4	957.7	906.5	927.3	963.5	1002.8	1008.9	1003.9
70°	1060.5	1066.3	1085.9	1056.7	968.9	920.0	939.6	970.4	1006.6	1008.9	1005.5
72.5°	1002.0	1012.4	1031.6	1021.2	950.0	905.7	922.3	941.2	966.2	965.8	961.6
75°	889.9	885.3	925.0	930.0	883.0	857.6	865.7	866.1	871.1	864.1	850.3
77.5°	711.6	722.4	760.9	794.4	778.6	768.6	770.2	747.5	737.4	707.8	698.5
80°	519.1	527.6	568.8	619.6	642.3	653.9	640.8	598.0	563.0	532.6	522.2
82.5°	354.3	357.4	405.9	454.8	500.2	514.1	502.5	444.4	395.9	363.5	349.3
85°	218.0	223.0	257.6	306.1	359.7	391.2	364.3	306.1	257.2	231.8	226.0
87.5°	128.2	135.9	159.0	195.6	246.8	273.8	252.6	202.2	162.9	144.4	137.5
90°	80.1	84.7	99.4	125.9	165.6	185.2	171.0	131.3	105.1	89.3	84.3
92.5°	55.8	57.4	67.4	84.3	112.8	126.3	114.4	90.1	72.0	60.1	58.1
95°	41.6	42.7	48.9	59.7	77.8	88.2	80.1	63.5	51.2	43.1	42.0
97.5°	32.7	33.5	38.5	45.4	57.0	64.3	59.3	48.5	39.7	33.1	32.0
100°	25.4	26.2	30.8	36.2	44.7	48.5	45.4	38.1	31.2	25.4	24.6
102.5°	20.0	20.4	24.6	29.7	35.8	38.5	36.2	30.8	24.6	19.6	19.3
105°	15.8	16.2	20.0	24.6	29.7	31.6	30.0	25.4	19.6	15.0	14.6
107.5°	12.3	12.7	15.8	20.4	24.6	26.2	24.6	20.8	15.4	11.9	11.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	10.0	10.0	13.1	16.9	20.8	21.9	20.8	16.9	12.3	9.6	9.2
112.5°	8.5	8.5	10.8	14.2	17.3	18.9	17.3	13.9	10.0	7.7	7.7
115°	6.9	7.3	8.9	11.9	14.6	15.8	14.6	11.6	8.5	6.5	6.5
117.5°	6.2	6.5	7.7	10.0	12.7	13.5	12.3	9.6	6.9	5.8	5.8
120°	5.8	5.8	6.5	8.5	10.8	11.6	10.4	8.5	6.2	5.4	5.4
122.5°	5.4	5.4	5.8	7.3	9.2	10.0	8.9	6.9	5.4	5.0	4.6
125°	5.0	5.0	5.4	6.5	8.1	8.5	7.7	6.2	4.6	4.2	4.2
127.5°	4.6	4.6	5.0	5.8	6.9	7.3	6.9	5.4	4.2	4.2	4.2
130°	4.2	4.2	4.6	5.0	6.2	6.5	5.8	4.6	3.9	3.9	3.9
132.5°	3.9	3.9	3.9	4.6	5.4	5.4	5.0	4.2	3.9	3.5	3.5
135°	3.9	3.9	3.9	3.9	4.6	5.0	4.2	3.9	3.5	3.5	3.5
137.5°	3.5	3.5	3.5	3.5	3.9	4.2	3.9	3.5	3.1	3.1	3.1
140°	3.1	3.1	3.1	3.1	3.5	3.5	3.5	2.7	2.7	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	3.1	2.7	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	0.8	0.8	0.8	0.8	1.2	0.8	1.2	0.8	0.8	0.8	0.8
157.5°	0.4	0.4	0.8	0.8	0.8	1.2	0.8	0.8	0.4	0.4	0.4
160°	0.0	0.4	0.4	0.4	0.8	0.8	0.8	0.4	0.4	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)