

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: P416168

Luminaire Tested: **LXF.LXT-PA1-70-722-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416168
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-PA1-70-722-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 930mA 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: 6144 lumens
Efficiency: N/A
Efficacy: 83.0 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: B3 - U3 - G3

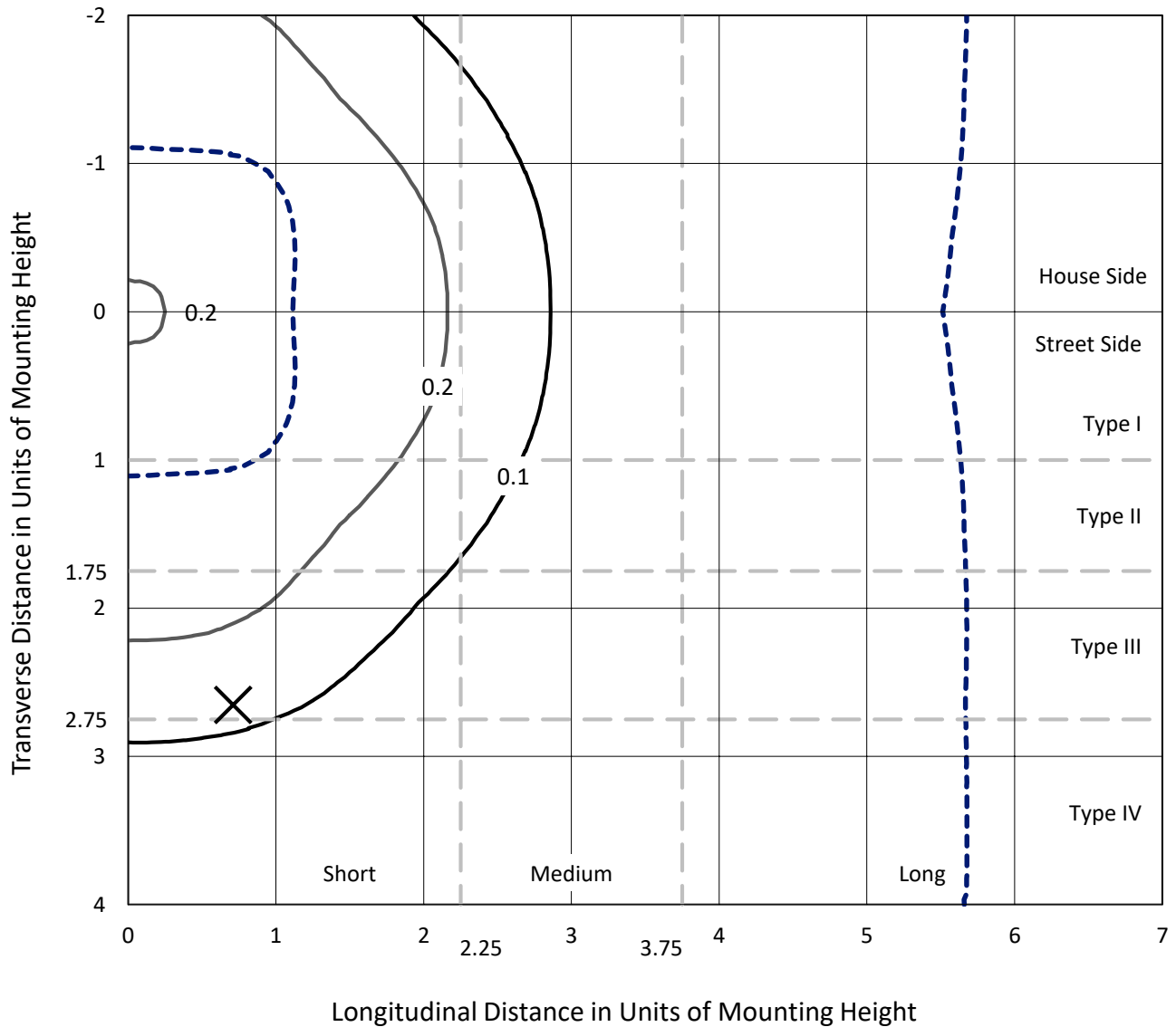
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

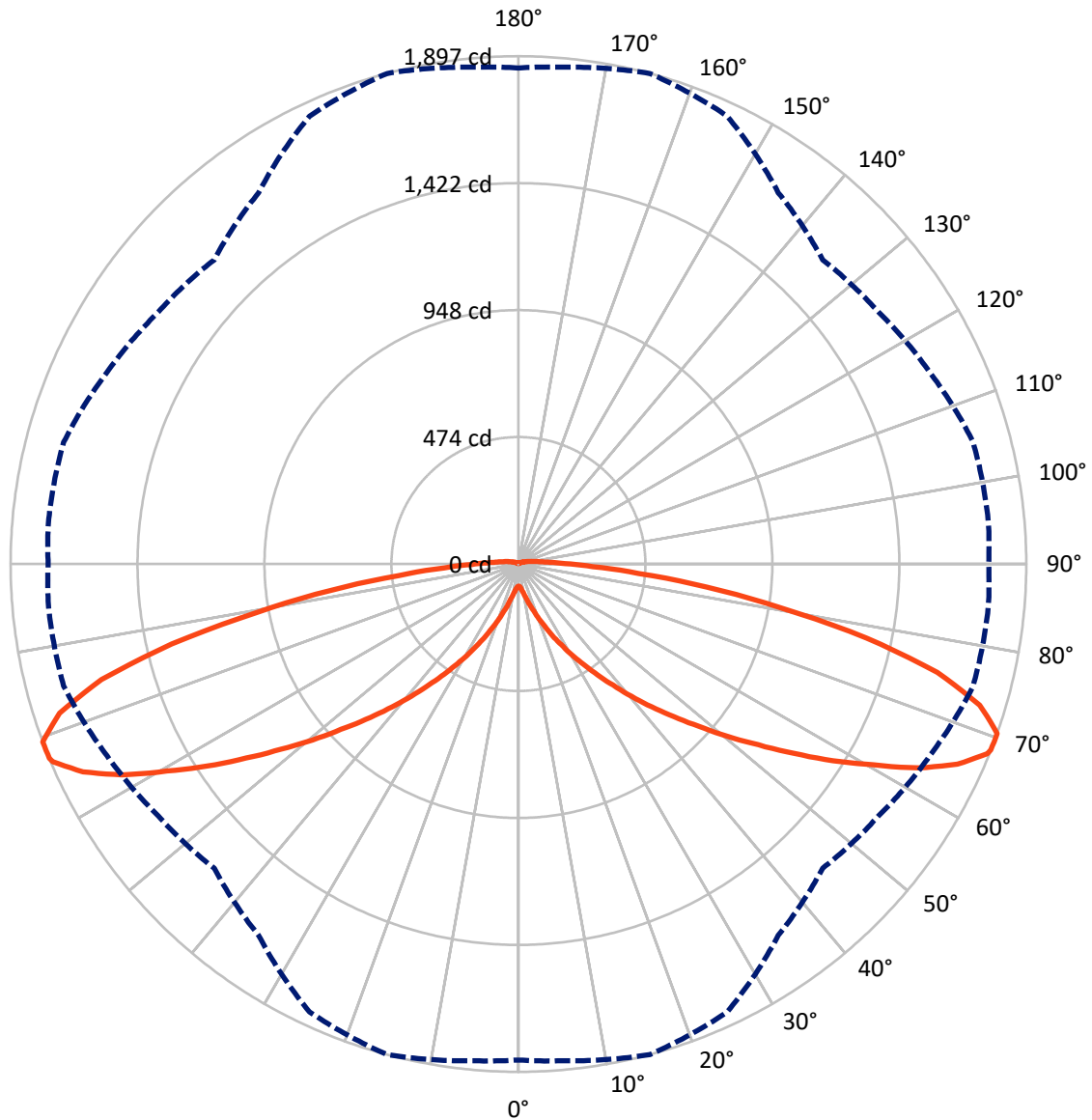
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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	2963.8	108.2	3072.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2963.8	108.2	3072.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	5927.6	216.4	6144.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.1
10°-20°	44.4	0.7
20°-30°	133.5	2.2
30°-40°	306.8	5.0
40°-50°	590.0	9.6
50°-60°	1043.1	17.0
60°-70°	1616.5	26.3
70°-80°	1568.8	25.5
80°-90°	615.4	10.0
90°-100°	132.4	2.2
100°-110°	45.2	0.7
110°-120°	19.9	0.3
120°-130°	10.0	0.2
130°-140°	5.4	0.1
140°-150°	2.5	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5927.6	96.5
0°-180°	6144.0	100.0



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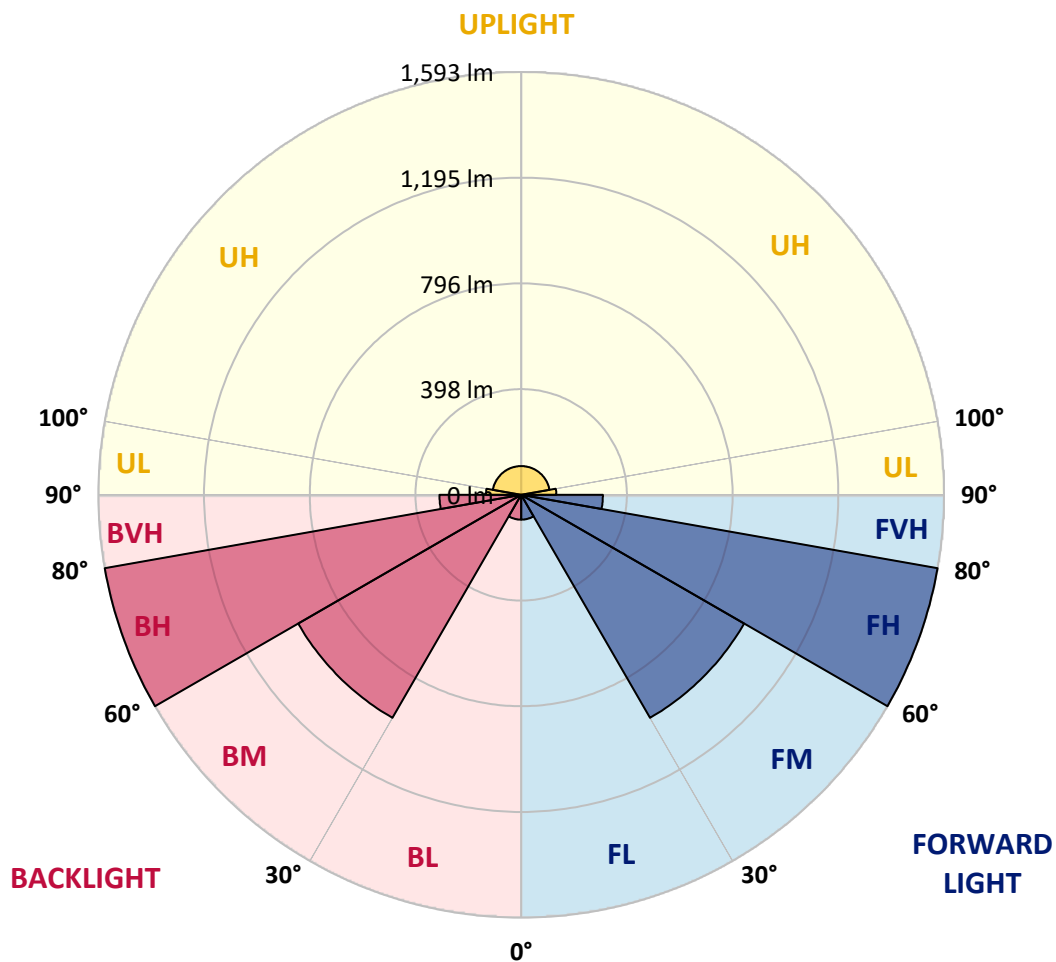
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	93.5	1.5			
FM	(30°-60°)	969.9	15.8			
FH	(60°-80°)	1592.7	25.9			G1/1800
FVH	(80°-90°)	307.7	5.0			G3/500
BL	(0°-30°)	93.5	1.5	B0/110		
BM	(30°-60°)	969.9	15.8	B1/1000		
BH	(60°-80°)	1592.7	25.9	B3/2500		G1/1800
BVH	(80°-90°)	307.7	5.0			G3/500
UL	(90°-100°)	132.4	2.2		U3/500	
UH	(100°-180°)	108.2	1.8		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
2.5°	84.1	84.1	84.1	84.7	84.7	85.4	84.7	84.1	84.1	83.4	83.4
5°	90.1	90.1	90.1	90.1	90.8	90.8	89.4	88.8	88.1	88.1	88.1
7.5°	99.5	99.5	100.2	99.5	99.5	98.9	97.5	96.2	96.2	95.5	95.5
10°	114.3	113.0	113.0	112.3	111.6	110.3	109.0	108.3	106.9	106.9	105.6
12.5°	134.5	133.8	131.8	129.8	127.1	125.1	123.7	123.1	123.1	123.1	124.4
15°	158.0	158.7	157.4	152.7	147.3	143.2	142.6	142.6	143.9	145.3	145.3
17.5°	189.0	187.6	184.3	178.9	172.2	168.1	165.4	167.5	170.8	172.8	174.2
20°	222.6	221.9	217.2	208.5	201.1	195.7	193.7	196.4	202.4	207.8	207.1
22.5°	261.6	260.9	253.5	242.1	232.0	226.0	224.0	229.3	242.1	248.8	250.2
25°	306.0	304.0	297.3	281.8	267.7	258.3	259.6	269.0	285.8	299.3	298.6
27.5°	356.4	353.8	341.0	323.5	304.7	295.2	297.9	313.4	336.3	351.7	353.8
30°	411.6	407.6	394.1	368.5	347.0	333.6	340.3	361.8	390.7	412.9	415.6
32.5°	464.7	469.4	446.6	421.0	391.4	373.9	382.7	412.3	447.9	478.8	481.5
35°	532.0	527.9	508.4	474.8	438.5	420.3	431.8	468.1	508.4	544.8	546.1
37.5°	603.9	599.9	574.3	533.3	490.9	469.4	484.2	523.2	575.0	611.3	619.4
40°	681.3	673.2	649.7	599.2	547.4	525.2	539.4	588.5	644.3	684.0	689.3
42.5°	757.3	752.6	728.4	670.5	611.3	583.1	603.9	652.4	716.9	755.9	762.7
45°	840.0	839.3	813.1	749.9	683.3	651.7	673.2	727.0	788.9	833.9	838.0
47.5°	927.4	928.1	905.2	842.0	761.3	725.7	746.5	807.0	879.7	920.0	924.1
50°	1031.0	1027.0	1011.5	937.5	852.8	812.4	839.3	902.5	969.8	1012.8	1016.9
52.5°	1139.9	1139.9	1121.8	1053.9	955.0	913.3	936.2	1000.7	1076.1	1115.1	1123.1
55°	1261.0	1255.6	1248.2	1174.2	1073.4	1024.9	1047.8	1121.1	1190.4	1224.0	1224.7
57.5°	1392.1	1386.8	1385.4	1318.8	1203.8	1140.6	1166.8	1236.1	1314.8	1337.0	1343.7
60°	1519.3	1528.7	1523.3	1464.8	1335.0	1263.7	1293.3	1365.9	1441.9	1462.1	1468.8
62.5°	1657.8	1662.5	1677.3	1606.0	1466.1	1390.1	1419.7	1484.3	1561.6	1578.4	1581.1
65°	1777.5	1782.2	1801.7	1734.5	1575.7	1495.7	1529.3	1597.3	1674.6	1689.4	1680.7
67.5°	1848.8	1859.6	1889.1	1825.3	1661.8	1573.7	1608.0	1671.9	1739.2	1752.6	1741.2
68°	1859.6	1868.3	1895.9	1838.0	1672.6	1583.1	1619.5	1682.7	1751.3	1762.0	1753.3
70°	1852.2	1862.2	1896.5	1845.4	1692.1	1606.7	1641.0	1694.8	1758.0	1762.0	1756.0
72.5°	1749.9	1768.1	1801.7	1783.6	1659.1	1581.8	1610.7	1643.7	1687.4	1686.7	1679.3
75°	1554.2	1546.2	1615.4	1624.2	1542.1	1497.7	1511.9	1512.5	1521.3	1509.2	1485.0
77.5°	1242.8	1261.7	1328.9	1387.4	1359.9	1342.4	1345.1	1305.4	1287.9	1236.1	1220.0
80°	906.6	921.4	993.3	1082.1	1121.8	1142.0	1119.1	1044.4	983.2	930.1	912.0
82.5°	618.7	624.1	708.8	794.3	873.6	897.8	877.7	776.1	691.4	634.9	610.0
85°	380.7	389.4	449.9	534.7	628.1	683.3	636.2	534.7	449.3	404.9	394.8
87.5°	224.0	237.4	277.8	341.6	431.1	478.2	441.2	353.1	284.5	252.2	240.1
90°	139.9	148.0	173.5	219.9	289.2	323.5	298.6	229.3	183.6	156.0	147.3
92.5°	97.5	100.2	117.7	147.3	197.1	220.6	199.7	157.4	125.8	104.9	101.6
95°	72.6	74.7	85.4	104.2	135.9	154.0	139.9	111.0	89.4	75.3	73.3
97.5°	57.2	58.5	67.3	79.4	99.5	112.3	103.6	84.7	69.3	57.8	55.8
100°	44.4	45.7	53.8	63.2	78.0	84.7	79.4	66.6	54.5	44.4	43.0
102.5°	35.0	35.6	43.0	51.8	62.5	67.3	63.2	53.8	43.0	34.3	33.6
105°	27.6	28.2	35.0	43.0	51.8	55.1	52.5	44.4	34.3	26.2	25.6
107.5°	21.5	22.2	27.6	35.6	43.0	45.7	43.0	36.3	26.9	20.8	20.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	17.5	17.5	22.9	29.6	36.3	38.3	36.3	29.6	21.5	16.8	16.1
112.5°	14.8	14.8	18.8	24.9	30.3	33.0	30.3	24.2	17.5	13.5	13.5
115°	12.1	12.8	15.5	20.8	25.6	27.6	25.6	20.2	14.8	11.4	11.4
117.5°	10.8	11.4	13.5	17.5	22.2	23.5	21.5	16.8	12.1	10.1	10.1
120°	10.1	10.1	11.4	14.8	18.8	20.2	18.2	14.8	10.8	9.4	9.4
122.5°	9.4	9.4	10.1	12.8	16.1	17.5	15.5	12.1	9.4	8.7	8.1
125°	8.7	8.7	9.4	11.4	14.1	14.8	13.5	10.8	8.1	7.4	7.4
127.5°	8.1	8.1	8.7	10.1	12.1	12.8	12.1	9.4	7.4	7.4	7.4
130°	7.4	7.4	8.1	8.7	10.8	11.4	10.1	8.1	6.7	6.7	6.7
132.5°	6.7	6.7	6.7	8.1	9.4	9.4	8.7	7.4	6.7	6.1	6.1
135°	6.7	6.7	6.7	6.7	8.1	8.7	7.4	6.7	6.1	6.1	6.1
137.5°	6.1	6.1	6.1	6.1	6.7	7.4	6.7	6.1	5.4	5.4	5.4
140°	5.4	5.4	5.4	5.4	6.1	6.1	6.1	4.7	4.7	4.7	4.7
142.5°	4.7	4.7	4.7	4.7	4.7	5.4	4.7	4.0	4.0	4.0	4.0
145°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
155°	1.3	1.3	1.3	1.3	2.0	1.3	2.0	1.3	1.3	1.3	1.3
157.5°	0.7	0.7	1.3	1.3	1.3	2.0	1.3	1.3	0.7	0.7	0.7
160°	0.0	0.7	0.7	0.7	1.3	1.3	1.3	0.7	0.7	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)