

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: P416528

Luminaire Tested: **LXF.LXT-PA1-70-830-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416528
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-PA1-70-830-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA 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: 6670 lumens
Efficiency: N/A
Efficacy: 90.1 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

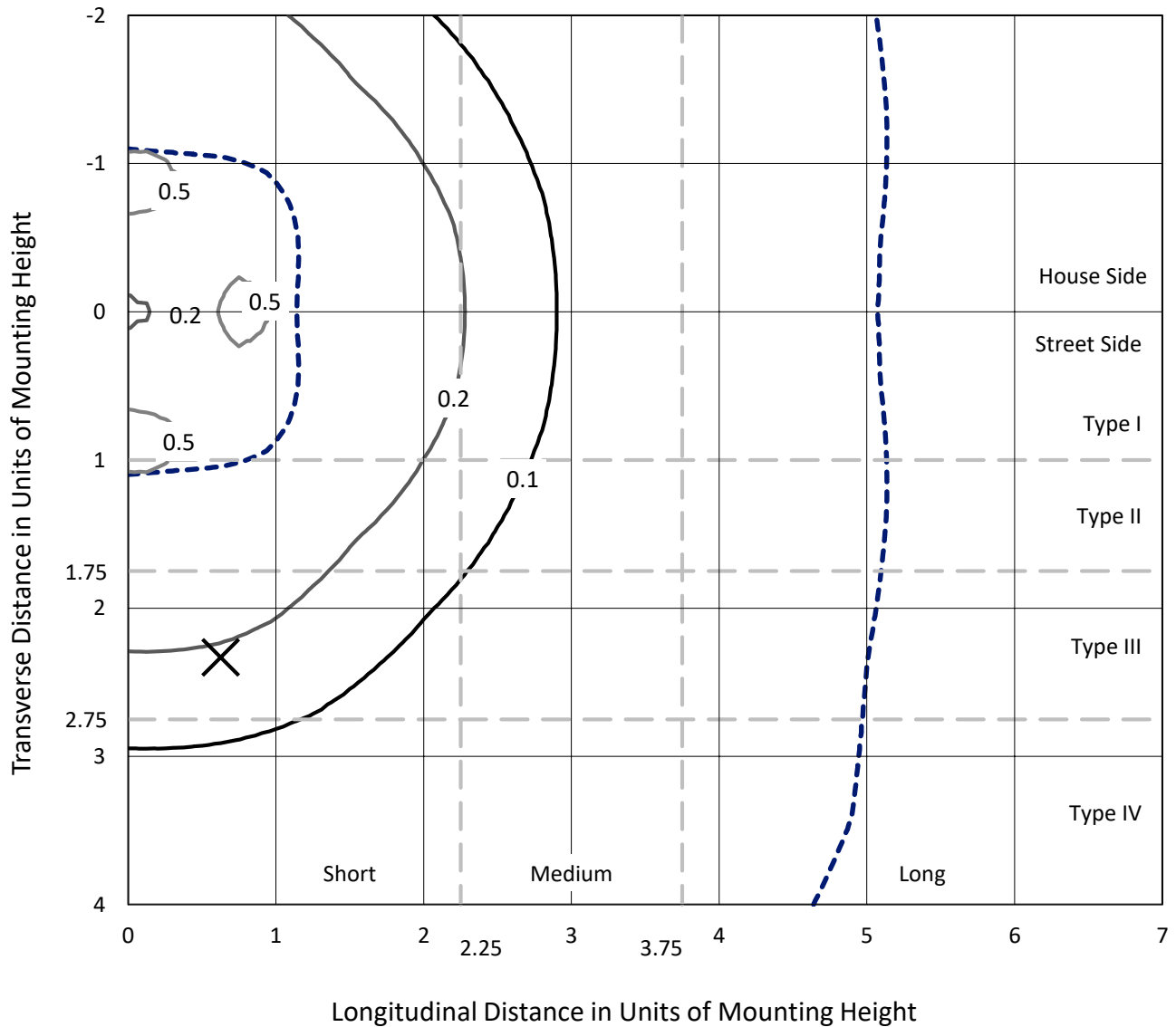


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

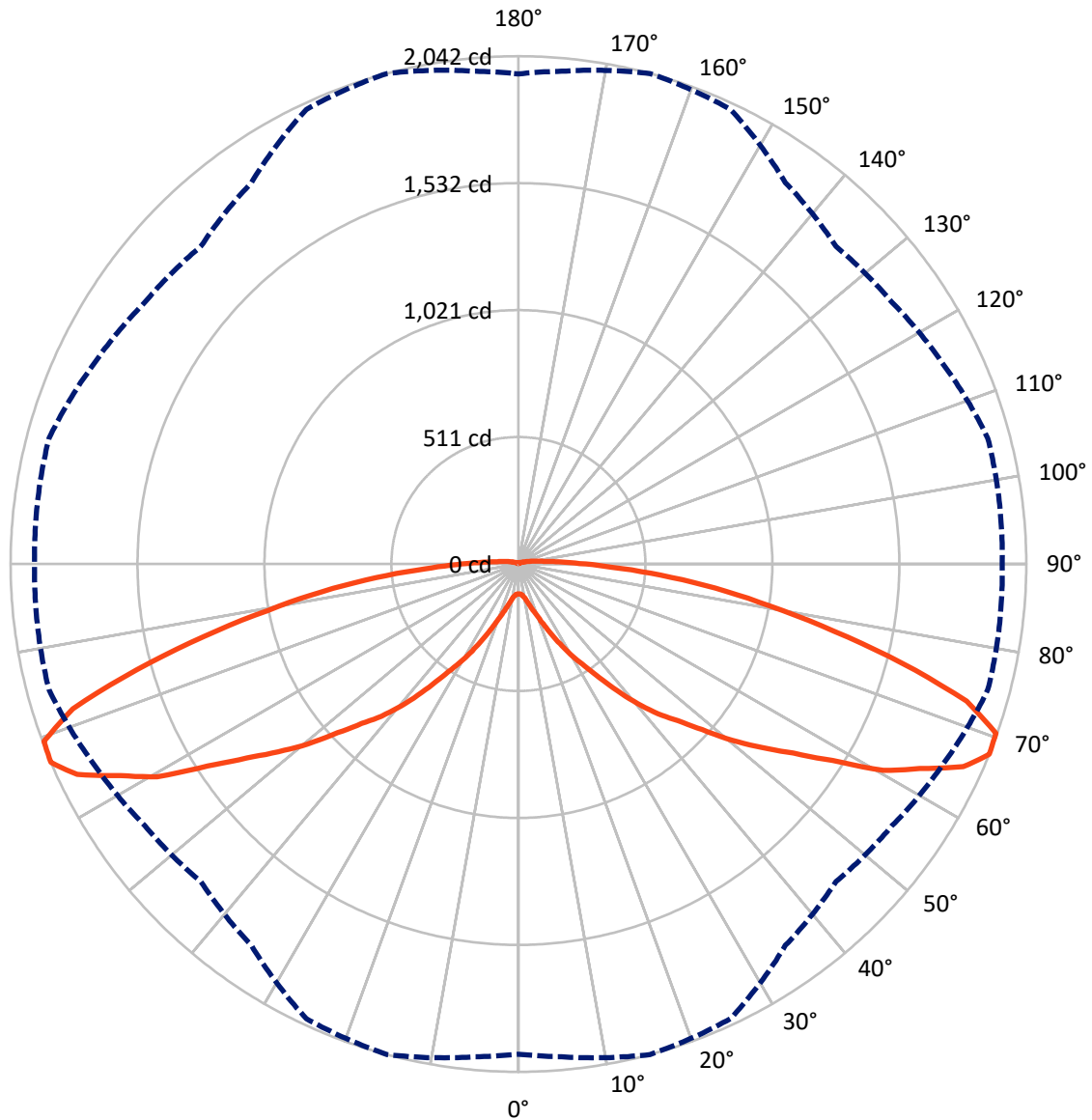


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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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
House Side	Lumens	3203.4	131.6	3335.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3203.4	131.6	3335.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	6406.8	263.3	6670.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.2
10°-20°	49.8	0.7
20°-30°	143.6	2.2
30°-40°	338.2	5.1
40°-50°	637.5	9.6
50°-60°	1136.9	17.0
60°-70°	1797.3	26.9
70°-80°	1583.6	23.7
80°-90°	707.8	10.6
90°-100°	175.8	2.6
100°-110°	48.4	0.7
110°-120°	19.4	0.3
120°-130°	10.3	0.2
130°-140°	6.0	0.1
140°-150°	2.6	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6406.8	96.1
0°-180°	6670.0	100.0



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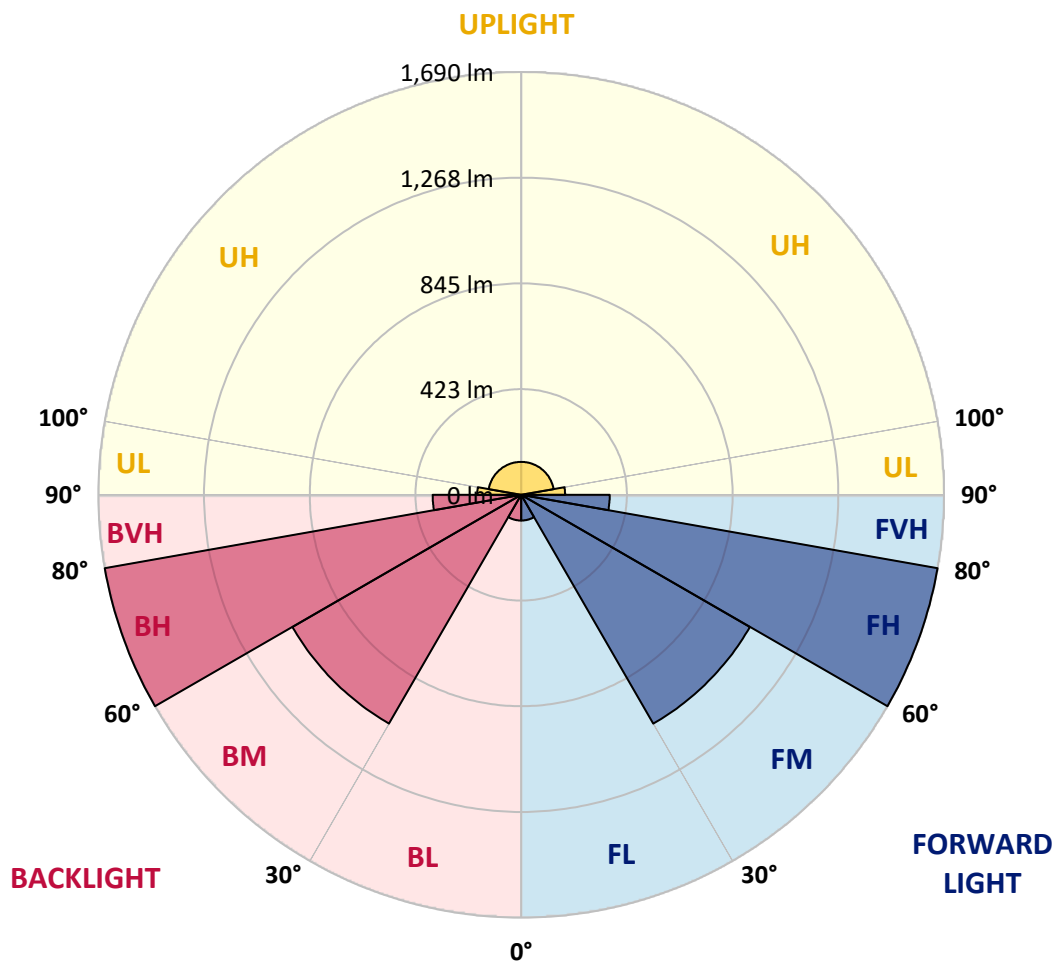
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.8	1.5			
FM (30°-60°)	1056.2	15.8			
FH (60°-80°)	1690.5	25.3			G1/1800
FVH (80°-90°)	353.9	5.3			G3/500
BL (0°-30°)	102.8	1.5	B0/110		
BM (30°-60°)	1056.2	15.8	B2/2500		
BH (60°-80°)	1690.5	25.3	B3/2500		G1/1800
BVH (80°-90°)	353.9	5.3			G3/500
UL (90°-100°)	175.8	2.6		U3/500	
UH (100°-180°)	131.6	2.0		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°	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
2.5°	120.0	120.0	120.7	120.7	121.4	122.1	121.4	120.7	120.0	119.2	119.2
5°	123.6	123.6	123.6	123.6	124.3	124.3	123.6	122.1	121.4	120.7	120.7
7.5°	129.4	129.4	129.4	129.4	129.4	128.7	127.2	125.8	125.0	124.3	124.3
10°	138.9	138.9	137.4	137.4	136.7	135.9	134.5	133.0	131.6	132.3	132.3
12.5°	154.9	155.6	153.4	149.8	146.9	145.4	144.7	144.7	146.9	146.9	147.6
15°	178.1	178.1	174.5	169.4	163.6	159.2	160.7	164.3	167.9	170.1	170.1
17.5°	203.6	203.6	199.9	193.4	185.4	183.2	182.5	186.1	194.1	197.0	197.7
20°	235.5	235.5	229.0	219.6	212.3	209.4	209.4	215.2	223.9	230.5	229.7
22.5°	279.2	278.4	269.0	253.0	243.5	239.2	238.5	246.5	261.7	271.9	274.8
25°	331.5	330.8	318.4	297.3	282.8	271.2	274.1	287.9	311.2	327.2	327.2
27.5°	391.1	388.2	372.2	349.0	327.2	311.9	316.2	335.9	365.0	386.8	387.5
30°	449.3	449.3	431.8	404.2	375.1	356.2	361.3	388.9	423.8	458.0	458.7
32.5°	511.1	510.4	488.5	460.9	425.3	404.2	412.2	446.4	495.8	535.1	542.3
35°	590.3	591.1	560.5	522.7	477.6	454.4	465.3	509.6	568.5	615.8	620.1
37.5°	675.4	679.7	646.3	597.6	537.3	508.9	524.9	576.5	644.9	694.3	694.3
40°	767.0	769.2	738.6	676.8	604.1	567.1	588.1	643.4	695.7	737.9	740.1
42.5°	844.8	847.0	823.0	762.6	681.2	636.9	649.2	691.4	740.8	788.1	792.4
45°	905.8	913.1	898.6	847.0	764.1	710.3	708.8	751.7	811.3	860.8	866.6
47.5°	1016.4	1020.0	994.5	933.5	849.1	790.3	784.4	827.3	905.1	958.2	961.8
50°	1113.8	1124.7	1115.2	1049.8	949.5	878.2	878.9	935.7	1020.0	1073.8	1078.9
52.5°	1223.5	1228.6	1225.7	1169.8	1072.3	988.0	997.5	1061.4	1152.3	1185.7	1191.6
55°	1323.9	1331.9	1342.1	1300.6	1203.9	1129.8	1138.5	1206.8	1267.9	1299.9	1302.8
57.5°	1483.1	1491.1	1490.4	1429.3	1346.4	1274.4	1289.0	1342.8	1422.7	1477.3	1486.7
60°	1656.1	1667.7	1685.9	1606.7	1482.4	1432.2	1450.4	1528.2	1619.0	1627.0	1637.2
62.5°	1771.7	1777.5	1811.7	1785.5	1640.8	1580.5	1628.5	1694.6	1741.9	1749.2	1746.3
65°	1922.9	1941.8	1965.8	1905.5	1789.2	1706.3	1761.5	1811.0	1896.0	1903.3	1901.8
67.5°	1970.9	1989.1	2042.2	2017.4	1872.0	1805.9	1834.2	1888.8	1954.2	1948.4	1945.5
70°	1974.5	1992.0	2037.1	2024.0	1890.9	1799.3	1828.4	1849.5	1909.8	1910.6	1902.6
72.5°	1776.8	1807.3	1884.4	1907.7	1791.3	1697.6	1699.7	1699.0	1703.4	1655.4	1636.5
75°	1496.9	1518.7	1594.3	1650.3	1590.7	1510.0	1508.5	1447.5	1434.4	1398.0	1384.9
77.5°	1198.8	1225.7	1298.4	1359.5	1338.4	1294.8	1272.3	1203.2	1184.3	1142.9	1147.9
80°	932.0	953.1	1025.1	1104.3	1110.1	1079.6	1054.9	998.2	961.1	926.2	910.9
82.5°	717.6	735.7	797.5	883.3	918.9	915.3	880.4	816.4	783.0	749.5	729.9
85°	495.8	511.8	572.9	676.8	740.8	763.4	724.1	643.4	583.8	536.5	525.6
87.5°	319.9	327.2	375.9	466.0	562.0	615.0	573.6	472.6	397.7	359.9	347.5
90°	199.9	210.8	245.7	301.7	395.5	463.1	420.9	318.4	264.6	226.1	218.1
92.5°	138.9	137.4	161.4	200.7	269.7	325.0	288.6	210.8	167.2	141.8	136.7
95°	91.6	95.2	108.3	133.0	182.5	216.6	190.5	140.3	109.8	91.6	89.4
97.5°	68.3	69.1	79.2	94.5	124.3	142.5	126.5	97.4	77.8	66.2	65.4
100°	53.8	54.5	61.8	70.5	87.2	98.9	88.7	73.4	60.3	51.6	51.6
102.5°	42.2	42.9	48.0	55.3	66.2	73.4	67.6	56.7	47.3	40.7	40.0
105°	33.4	33.4	37.8	43.6	51.6	56.7	53.1	44.3	36.4	32.0	32.0
107.5°	26.2	26.9	29.8	34.2	41.4	46.5	42.2	34.2	28.4	24.7	24.7
110°	21.1	21.1	23.3	27.6	33.4	37.8	34.2	27.6	22.5	20.4	20.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	17.4	17.4	18.9	22.5	27.6	31.3	27.6	22.5	18.2	16.7	16.7
115°	14.5	14.5	16.0	18.2	23.3	25.4	23.3	18.2	15.3	13.8	13.8
117.5°	13.1	13.1	13.8	16.0	19.6	21.1	19.6	15.3	13.1	12.4	12.4
120°	11.6	11.6	12.4	13.8	16.7	18.2	16.7	13.8	11.6	10.9	10.9
122.5°	10.9	10.9	10.9	12.4	15.3	16.0	14.5	12.4	10.2	10.2	10.2
125°	10.2	10.2	10.2	10.9	13.1	13.8	13.1	10.9	9.5	9.5	9.5
127.5°	9.5	9.5	9.5	10.2	11.6	12.4	11.6	10.2	8.7	8.7	8.7
130°	9.5	9.5	8.7	9.5	10.2	10.9	10.2	9.5	8.7	8.0	8.7
132.5°	8.7	8.7	8.7	8.7	9.5	9.5	9.5	8.7	8.0	8.0	8.0
135°	8.0	8.0	7.3	7.3	8.0	8.7	8.0	7.3	7.3	7.3	7.3
137.5°	7.3	6.5	6.5	6.5	7.3	7.3	7.3	6.5	6.5	6.5	6.5
140°	5.8	5.8	5.8	5.8	5.8	6.5	5.8	5.1	5.1	5.8	5.8
142.5°	5.1	5.1	5.1	4.4	5.1	5.1	5.1	4.4	4.4	4.4	4.4
145°	4.4	4.4	4.4	3.6	4.4	4.4	4.4	3.6	3.6	3.6	3.6
147.5°	2.9	3.6	2.9	2.9	3.6	3.6	2.9	2.9	2.9	2.9	2.9
150°	2.2	2.2	2.2	2.2	2.9	2.9	2.2	2.2	2.2	2.2	2.2
152.5°	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	1.5	1.5	1.5
155°	1.5	1.5	1.5	1.5	2.2	2.2	1.5	1.5	1.5	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	1.5	2.2	1.5	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.7	1.5	2.2	1.5	0.7	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)