

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: P416116

Luminaire Tested: **LXF.LXT-PA1-60-830-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416116
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-PA1-60-830-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA 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: 5922 lumens
Efficiency: N/A
Efficacy: 92.5 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: B3 - U3 - G3

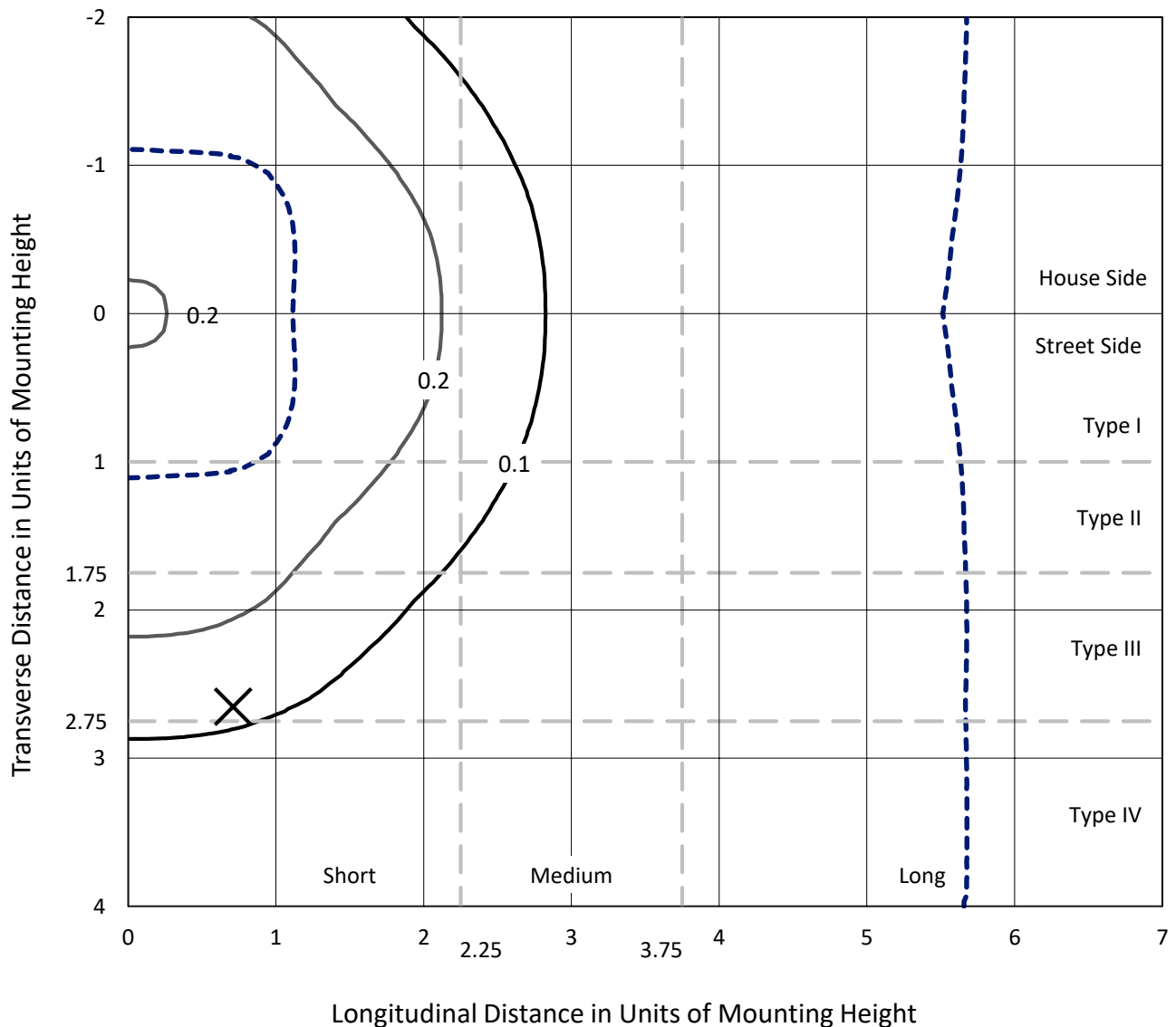
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

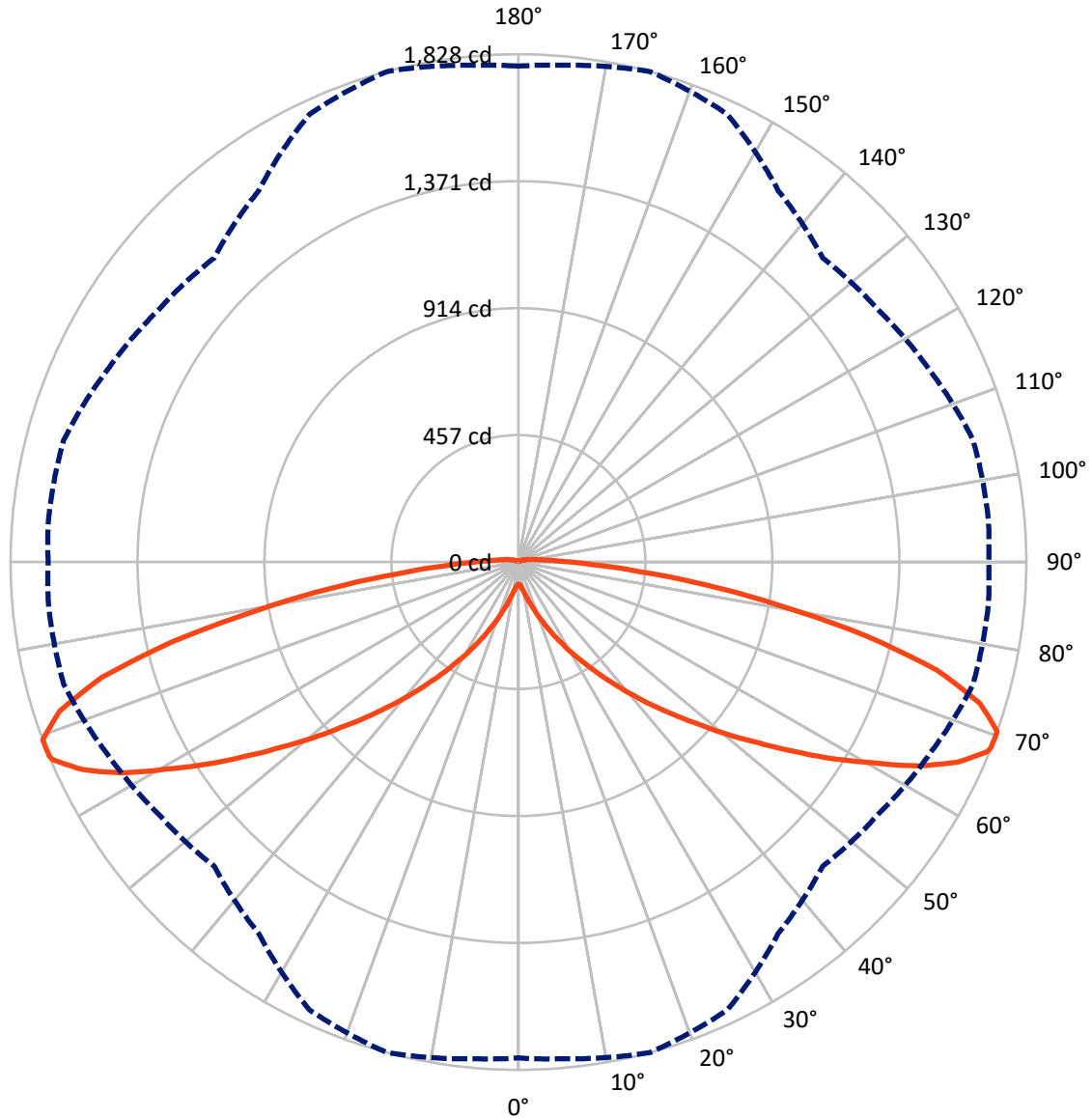
× Max cd
 - - - 1/2 Max cd



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	2856.7	104.3	2961.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2856.7	104.3	2961.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	5713.4	208.5	5922.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.1
10°-20°	42.8	0.7
20°-30°	128.6	2.2
30°-40°	295.7	5.0
40°-50°	568.7	9.6
50°-60°	1005.4	17.0
60°-70°	1558.1	26.3
70°-80°	1512.1	25.5
80°-90°	593.1	10.0
90°-100°	127.6	2.2
100°-110°	43.6	0.7
110°-120°	19.2	0.3
120°-130°	9.7	0.2
130°-140°	5.2	0.1
140°-150°	2.4	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5713.4	96.5
0°-180°	5922.0	100.0



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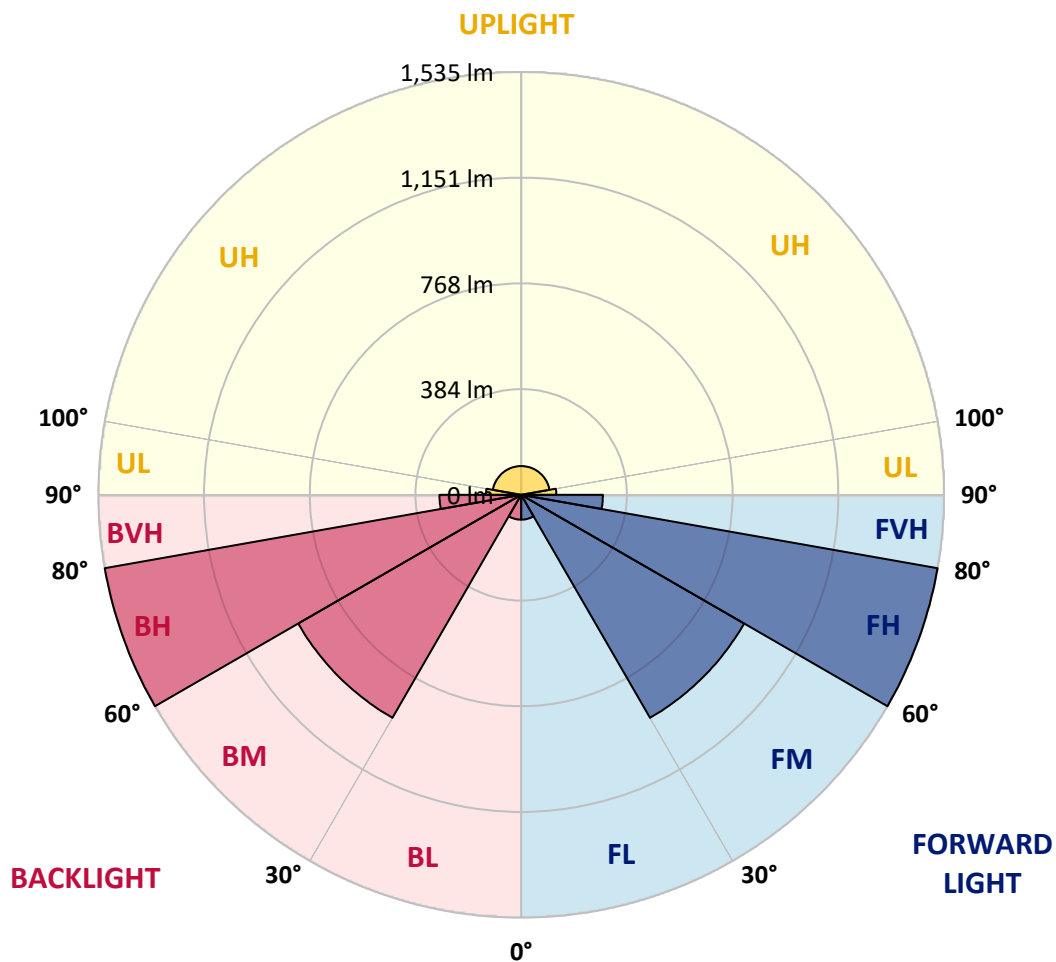
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	90.1	1.5			
FM (30°-60°)	934.9	15.8			
FH (60°-80°)	1535.1	25.9			G1/1800
FVH (80°-90°)	296.6	5.0			G3/500
BL (0°-30°)	90.1	1.5	B0/110		
BM (30°-60°)	934.9	15.8	B1/1000		
BH (60°-80°)	1535.1	25.9	B3/2500		G1/1800
BVH (80°-90°)	296.6	5.0			G3/500
UL (90°-100°)	127.6	2.2		U3/500	
UH (100°-180°)	104.3	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°	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
2.5°	81.0	81.0	81.0	81.7	81.7	82.3	81.7	81.0	81.0	80.4	80.4
5°	86.9	86.9	86.9	86.9	87.5	87.5	86.2	85.6	84.9	84.9	84.9
7.5°	95.9	95.9	96.6	95.9	95.9	95.3	94.0	92.7	92.7	92.0	92.0
10°	110.2	108.9	108.9	108.3	107.6	106.3	105.0	104.4	103.1	103.1	101.8
12.5°	129.6	129.0	127.1	125.1	122.5	120.6	119.3	118.6	118.6	118.6	119.9
15°	152.3	153.0	151.7	147.1	142.0	138.1	137.4	137.4	138.7	140.0	140.0
17.5°	182.2	180.9	177.6	172.4	165.9	162.1	159.5	161.4	164.7	166.6	167.9
20°	214.6	213.9	209.4	201.0	193.8	188.6	186.7	189.3	195.1	200.3	199.7
22.5°	252.2	251.5	244.4	233.4	223.6	217.8	215.9	221.0	233.4	239.8	241.1
25°	294.9	293.0	286.5	271.6	258.0	248.9	250.2	259.3	275.5	288.5	287.8
27.5°	343.6	341.0	328.7	311.8	293.6	284.6	287.2	302.1	324.1	339.0	341.0
30°	396.7	392.8	379.9	355.2	334.5	321.5	328.0	348.7	376.6	398.0	400.6
32.5°	447.9	452.5	430.4	405.8	377.3	360.4	368.8	397.4	431.7	461.5	464.1
35°	512.8	508.9	490.1	457.7	422.6	405.1	416.2	451.2	490.1	525.1	526.4
37.5°	582.1	578.2	553.6	514.0	473.2	452.5	466.7	504.3	554.2	589.2	597.0
40°	656.7	648.9	626.2	577.6	527.7	506.3	519.9	567.2	621.0	659.3	664.4
42.5°	729.9	725.4	702.0	646.3	589.2	562.0	582.1	628.8	691.0	728.6	735.1
45°	809.6	809.0	783.7	722.8	658.6	628.1	648.9	700.7	760.4	803.8	807.7
47.5°	893.9	894.6	872.5	811.6	733.8	699.4	719.5	777.9	847.9	886.8	890.7
50°	993.7	989.9	974.9	903.6	822.0	783.1	809.0	869.9	934.8	976.2	980.1
52.5°	1098.8	1098.8	1081.3	1015.8	920.5	880.3	902.3	964.6	1037.2	1074.8	1082.5
55°	1215.4	1210.3	1203.1	1131.8	1034.6	987.9	1009.9	1080.6	1147.4	1179.8	1180.4
57.5°	1341.8	1336.7	1335.4	1271.2	1160.3	1099.4	1124.7	1191.5	1267.3	1288.7	1295.2
60°	1464.4	1473.4	1468.2	1411.9	1286.7	1218.0	1246.6	1316.6	1389.8	1409.3	1415.7
62.5°	1597.9	1602.4	1616.7	1548.0	1413.1	1339.9	1368.4	1430.6	1505.2	1521.4	1524.0
65°	1713.3	1717.8	1736.6	1671.8	1518.8	1441.7	1474.1	1539.6	1614.1	1628.4	1619.9
67.5°	1782.0	1792.4	1820.9	1759.3	1601.8	1516.9	1549.9	1611.5	1676.3	1689.3	1678.3
68°	1792.4	1800.8	1827.4	1771.6	1612.2	1525.9	1560.9	1621.9	1688.0	1698.4	1689.9
70°	1785.2	1795.0	1828.0	1778.8	1631.0	1548.6	1581.7	1633.5	1694.5	1698.4	1692.5
72.5°	1686.7	1704.2	1736.6	1719.1	1599.2	1524.6	1552.5	1584.3	1626.4	1625.8	1618.6
75°	1498.1	1490.3	1557.1	1565.5	1486.4	1443.6	1457.2	1457.9	1466.3	1454.6	1431.3
77.5°	1197.9	1216.1	1280.9	1337.3	1310.7	1293.9	1296.5	1258.2	1241.4	1191.5	1175.9
80°	873.8	888.1	957.4	1043.0	1081.3	1100.7	1078.7	1006.7	947.7	896.5	879.0
82.5°	596.4	601.6	683.2	765.6	842.1	865.4	845.9	748.1	666.4	611.9	587.9
85°	366.9	375.3	433.7	515.3	605.4	658.6	613.2	515.3	433.0	390.2	380.5
87.5°	215.9	228.8	267.7	329.3	415.5	460.9	425.2	340.3	274.2	243.1	231.4
90°	134.8	142.6	167.2	212.0	278.7	311.8	287.8	221.0	177.0	150.4	142.0
92.5°	94.0	96.6	113.4	142.0	189.9	212.6	192.5	151.7	121.2	101.1	97.9
95°	70.0	72.0	82.3	100.5	130.9	148.4	134.8	107.0	86.2	72.6	70.7
97.5°	55.1	56.4	64.8	76.5	95.9	108.3	99.8	81.7	66.8	55.7	53.8
100°	42.8	44.1	51.9	60.9	75.2	81.7	76.5	64.2	52.5	42.8	41.5
102.5°	33.7	34.4	41.5	49.9	60.3	64.8	60.9	51.9	41.5	33.1	32.4
105°	26.6	27.2	33.7	41.5	49.9	53.2	50.6	42.8	33.1	25.3	24.6
107.5°	20.7	21.4	26.6	34.4	41.5	44.1	41.5	35.0	25.9	20.1	19.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	16.9	16.9	22.0	28.5	35.0	36.9	35.0	28.5	20.7	16.2	15.6
112.5°	14.3	14.3	18.2	24.0	29.2	31.8	29.2	23.3	16.9	13.0	13.0
115°	11.7	12.3	14.9	20.1	24.6	26.6	24.6	19.4	14.3	11.0	11.0
117.5°	10.4	11.0	13.0	16.9	21.4	22.7	20.7	16.2	11.7	9.7	9.7
120°	9.7	9.7	11.0	14.3	18.2	19.4	17.5	14.3	10.4	9.1	9.1
122.5°	9.1	9.1	9.7	12.3	15.6	16.9	14.9	11.7	9.1	8.4	7.8
125°	8.4	8.4	9.1	11.0	13.6	14.3	13.0	10.4	7.8	7.1	7.1
127.5°	7.8	7.8	8.4	9.7	11.7	12.3	11.7	9.1	7.1	7.1	7.1
130°	7.1	7.1	7.8	8.4	10.4	11.0	9.7	7.8	6.5	6.5	6.5
132.5°	6.5	6.5	6.5	7.8	9.1	9.1	8.4	7.1	6.5	5.8	5.8
135°	6.5	6.5	6.5	6.5	7.8	8.4	7.1	6.5	5.8	5.8	5.8
137.5°	5.8	5.8	5.8	5.8	6.5	7.1	6.5	5.8	5.2	5.2	5.2
140°	5.2	5.2	5.2	5.2	5.8	5.8	5.8	4.5	4.5	4.5	4.5
142.5°	4.5	4.5	4.5	4.5	4.5	5.2	4.5	3.9	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
150°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
155°	1.3	1.3	1.3	1.3	1.9	1.3	1.9	1.3	1.3	1.3	1.3
157.5°	0.6	0.6	1.3	1.3	1.3	1.9	1.3	1.3	0.6	0.6	0.6
160°	0.0	0.6	0.6	0.6	1.3	1.3	1.3	0.6	0.6	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)