

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: P417360

Luminaire Tested: **LXF.LXT-PA1-90-830-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417360
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-PA1-90-830-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA 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: 7861 lumens
Efficiency: N/A
Efficacy: 83.6 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: B3 - U3 - G3

Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): 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

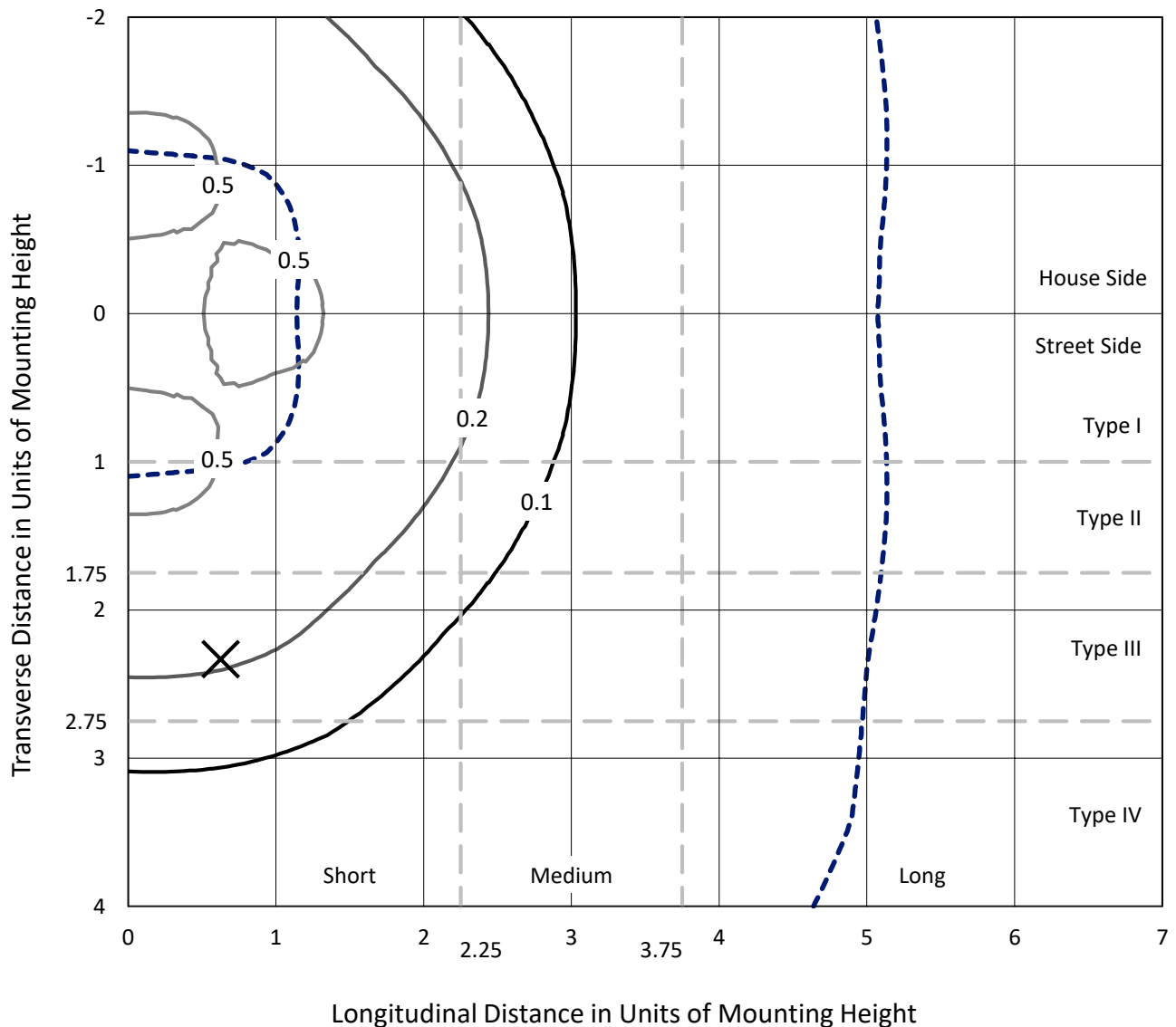


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

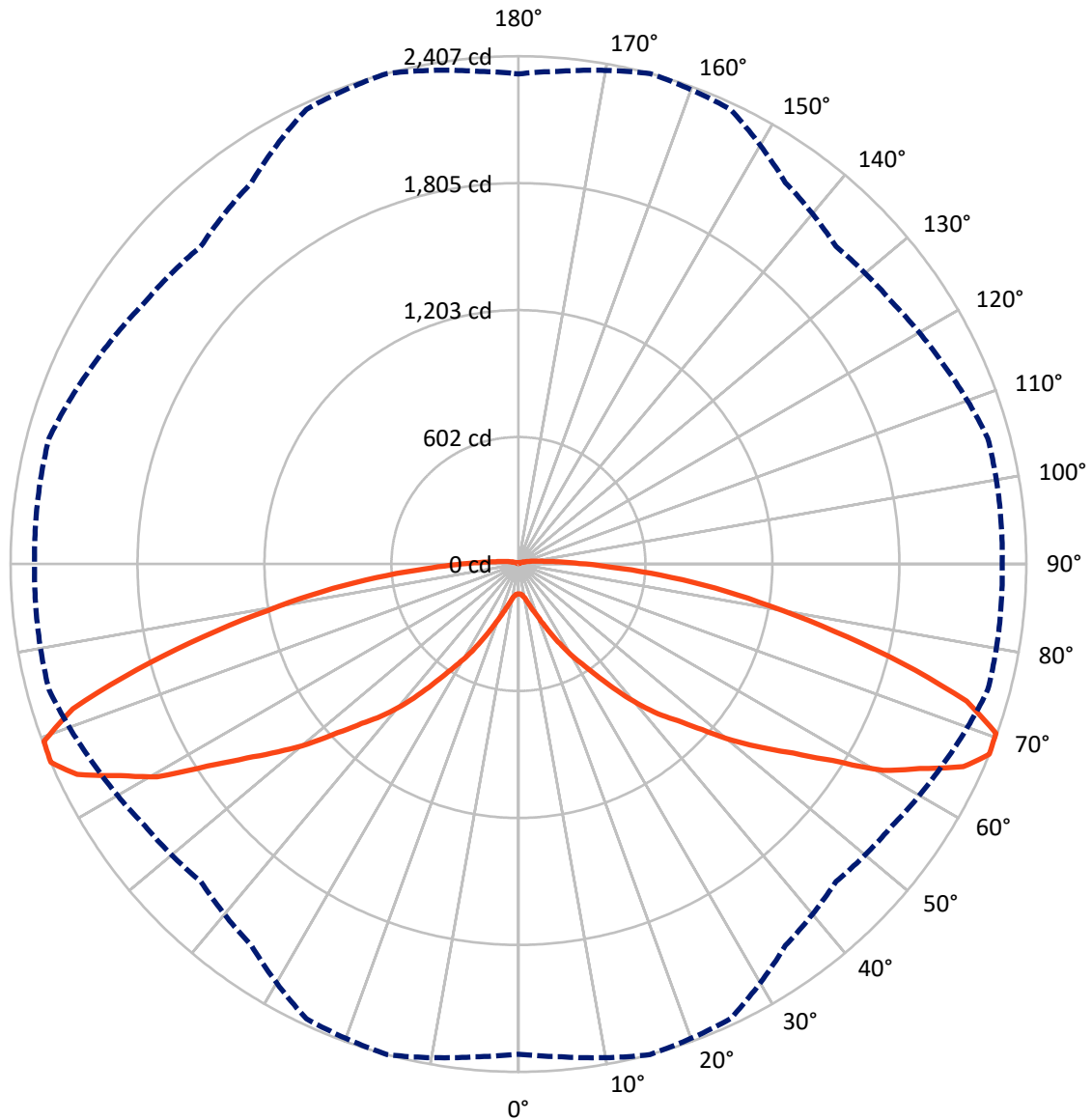


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - Non-Cutoff

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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	3775.4	155.1	3930.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3775.4	155.1	3930.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	7550.8	310.3	7861.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.2
10°-20°	58.7	0.7
20°-30°	169.3	2.2
30°-40°	398.5	5.1
40°-50°	751.3	9.6
50°-60°	1339.9	17.0
60°-70°	2118.3	26.9
70°-80°	1866.3	23.7
80°-90°	834.2	10.6
90°-100°	207.2	2.6
100°-110°	57.1	0.7
110°-120°	22.9	0.3
120°-130°	12.1	0.2
130°-140°	7.1	0.1
140°-150°	3.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7550.8	96.1
0°-180°	7861.0	100.0



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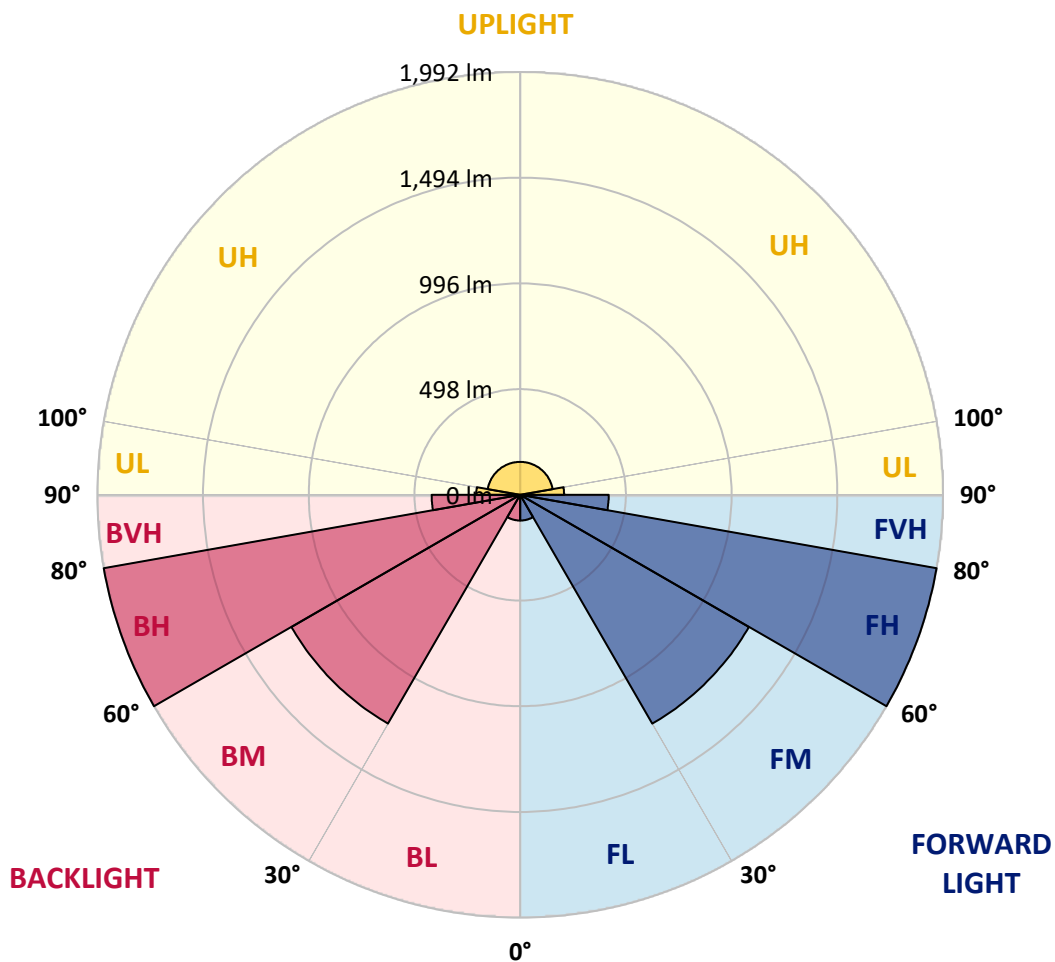
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.1	1.5			
FM (30°-60°)	1244.9	15.8			
FH (60°-80°)	1992.3	25.3			G2/5000
FVH (80°-90°)	417.1	5.3			G3/500
BL (0°-30°)	121.1	1.5	B1/500		
BM (30°-60°)	1244.9	15.8	B2/2500		
BH (60°-80°)	1992.3	25.3	B3/2500		G2/5000
BVH (80°-90°)	417.1	5.3			G3/500
UL (90°-100°)	207.2	2.6		U3/500	
UH (100°-180°)	155.1	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°	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4	141.4
2.5°	141.4	141.4	142.2	142.2	143.1	143.9	143.1	142.2	141.4	140.5	140.5
5°	145.7	145.7	145.7	145.7	146.5	146.5	145.7	143.9	143.1	142.2	142.2
7.5°	152.5	152.5	152.5	152.5	152.5	151.7	149.9	148.2	147.4	146.5	146.5
10°	163.7	163.7	161.9	161.9	161.1	160.2	158.5	156.8	155.1	155.9	155.9
12.5°	182.5	183.4	180.8	176.5	173.1	171.4	170.5	170.5	173.1	173.1	173.9
15°	209.9	209.9	205.6	199.6	192.8	187.6	189.4	193.6	197.9	200.5	200.5
17.5°	239.9	239.9	235.6	227.9	218.5	215.9	215.1	219.3	228.8	232.2	233.1
20°	277.6	277.6	269.9	258.8	250.2	246.8	246.8	253.6	263.9	271.6	270.8
22.5°	329.0	328.2	317.0	298.2	287.0	281.9	281.0	290.5	308.5	320.5	323.9
25°	390.7	389.9	375.3	350.4	333.3	319.6	323.0	339.3	366.7	385.6	385.6
27.5°	461.0	457.5	438.7	411.3	385.6	367.6	372.7	395.9	430.1	455.8	456.7
30°	529.5	529.5	509.0	476.4	442.1	419.8	425.8	458.4	499.5	539.8	540.7
32.5°	602.3	601.5	575.8	543.2	501.2	476.4	485.8	526.1	584.4	630.6	639.2
35°	695.7	696.6	660.6	616.1	562.9	535.5	548.4	600.6	670.0	725.7	730.9
37.5°	796.0	801.1	761.7	704.3	633.2	599.8	618.6	679.5	760.0	818.3	818.3
40°	903.9	906.5	870.5	797.7	712.0	668.3	693.2	758.3	820.0	869.7	872.2
42.5°	995.6	998.2	969.9	898.8	802.8	750.6	765.1	814.8	873.1	928.8	933.9
45°	1067.6	1076.2	1059.0	998.2	900.5	837.1	835.4	886.0	956.2	1014.5	1021.3
47.5°	1197.8	1202.1	1172.1	1100.2	1000.8	931.4	924.5	975.1	1066.7	1129.3	1133.6
50°	1312.6	1325.5	1314.4	1237.2	1119.0	1035.0	1035.9	1102.7	1202.1	1265.5	1271.5
52.5°	1442.0	1448.0	1444.6	1378.6	1263.8	1164.4	1175.6	1251.0	1358.1	1397.5	1404.3
55°	1560.3	1569.7	1581.7	1532.8	1418.9	1331.5	1341.8	1422.3	1494.3	1532.0	1535.4
57.5°	1747.9	1757.3	1756.5	1684.5	1586.8	1502.0	1519.1	1582.5	1676.8	1741.1	1752.2
60°	1951.8	1965.5	1987.0	1893.6	1747.1	1687.9	1709.4	1801.0	1908.1	1917.6	1929.6
62.5°	2088.1	2094.9	2135.2	2104.3	1933.8	1862.7	1919.3	1997.2	2052.9	2061.5	2058.1
65°	2266.3	2288.6	2316.8	2245.7	2108.6	2011.0	2076.1	2134.3	2234.6	2243.2	2241.4
67.5°	2322.8	2344.3	2406.8	2377.7	2206.3	2128.3	2161.8	2226.0	2303.1	2296.3	2292.8
70°	2327.1	2347.7	2400.8	2385.4	2228.6	2120.6	2154.9	2179.7	2250.9	2251.7	2242.3
72.5°	2094.1	2130.1	2220.9	2248.3	2111.2	2000.7	2003.2	2002.4	2007.5	1951.0	1928.7
75°	1764.2	1789.9	1879.0	1945.0	1874.7	1779.6	1777.9	1705.9	1690.5	1647.7	1632.2
77.5°	1412.9	1444.6	1530.3	1602.3	1577.4	1526.0	1499.4	1418.0	1395.8	1346.9	1352.9
80°	1098.4	1123.3	1208.1	1301.5	1308.4	1272.4	1243.2	1176.4	1132.7	1091.6	1073.6
82.5°	845.7	867.1	939.9	1041.0	1083.0	1078.7	1037.6	962.2	922.8	883.4	860.2
85°	584.4	603.2	675.2	797.7	873.1	899.7	853.4	758.3	688.0	632.3	619.5
87.5°	377.0	385.6	443.0	549.2	662.3	724.9	676.0	556.9	468.7	424.1	409.6
90°	235.6	248.5	289.6	355.6	466.1	545.8	496.1	375.3	311.9	266.5	257.0
92.5°	163.7	161.9	190.2	236.5	317.9	383.0	340.2	248.5	197.1	167.1	161.1
95°	108.0	112.2	127.7	156.8	215.1	255.3	224.5	165.4	129.4	108.0	105.4
97.5°	80.5	81.4	93.4	111.4	146.5	167.9	149.1	114.8	91.7	78.0	77.1
100°	63.4	64.3	72.8	83.1	102.8	116.5	104.5	86.5	71.1	60.8	60.8
102.5°	49.7	50.6	56.6	65.1	78.0	86.5	79.7	66.8	55.7	48.0	47.1
105°	39.4	39.4	44.6	51.4	60.8	66.8	62.5	52.3	42.8	37.7	37.7
107.5°	30.8	31.7	35.1	40.3	48.8	54.8	49.7	40.3	33.4	29.1	29.1
110°	24.8	24.8	27.4	32.6	39.4	44.6	40.3	32.6	26.6	24.0	24.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	20.6	20.6	22.3	26.6	32.6	36.8	32.6	26.6	21.4	19.7	19.7
115°	17.1	17.1	18.9	21.4	27.4	30.0	27.4	21.4	18.0	16.3	16.3
117.5°	15.4	15.4	16.3	18.9	23.1	24.8	23.1	18.0	15.4	14.6	14.6
120°	13.7	13.7	14.6	16.3	19.7	21.4	19.7	16.3	13.7	12.9	12.9
122.5°	12.9	12.9	12.9	14.6	18.0	18.9	17.1	14.6	12.0	12.0	12.0
125°	12.0	12.0	12.0	12.9	15.4	16.3	15.4	12.9	11.1	11.1	11.1
127.5°	11.1	11.1	11.1	12.0	13.7	14.6	13.7	12.0	10.3	10.3	10.3
130°	11.1	11.1	10.3	11.1	12.0	12.9	12.0	11.1	10.3	9.4	10.3
132.5°	10.3	10.3	10.3	10.3	11.1	11.1	11.1	10.3	9.4	9.4	9.4
135°	9.4	9.4	8.6	8.6	9.4	10.3	9.4	8.6	8.6	8.6	8.6
137.5°	8.6	7.7	7.7	7.7	8.6	8.6	8.6	7.7	7.7	7.7	7.7
140°	6.9	6.9	6.9	6.9	6.9	7.7	6.9	6.0	6.0	6.9	6.9
142.5°	6.0	6.0	6.0	5.1	6.0	6.0	6.0	5.1	5.1	5.1	5.1
145°	5.1	5.1	5.1	4.3	5.1	5.1	5.1	4.3	4.3	4.3	4.3
147.5°	3.4	4.3	3.4	3.4	4.3	4.3	3.4	3.4	3.4	3.4	3.4
150°	2.6	2.6	2.6	2.6	3.4	3.4	2.6	2.6	2.6	2.6	2.6
152.5°	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	1.7	1.7	1.7
155°	1.7	1.7	1.7	1.7	2.6	2.6	1.7	1.7	1.7	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	1.7	2.6	1.7	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.9	1.7	2.6	1.7	0.9	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)