

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: P413878

Luminaire Tested: **LXF.LXT-PA1-100-750-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-750-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9792 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - Non-Cutoff
BUG Rating: B3 - U4 - G4

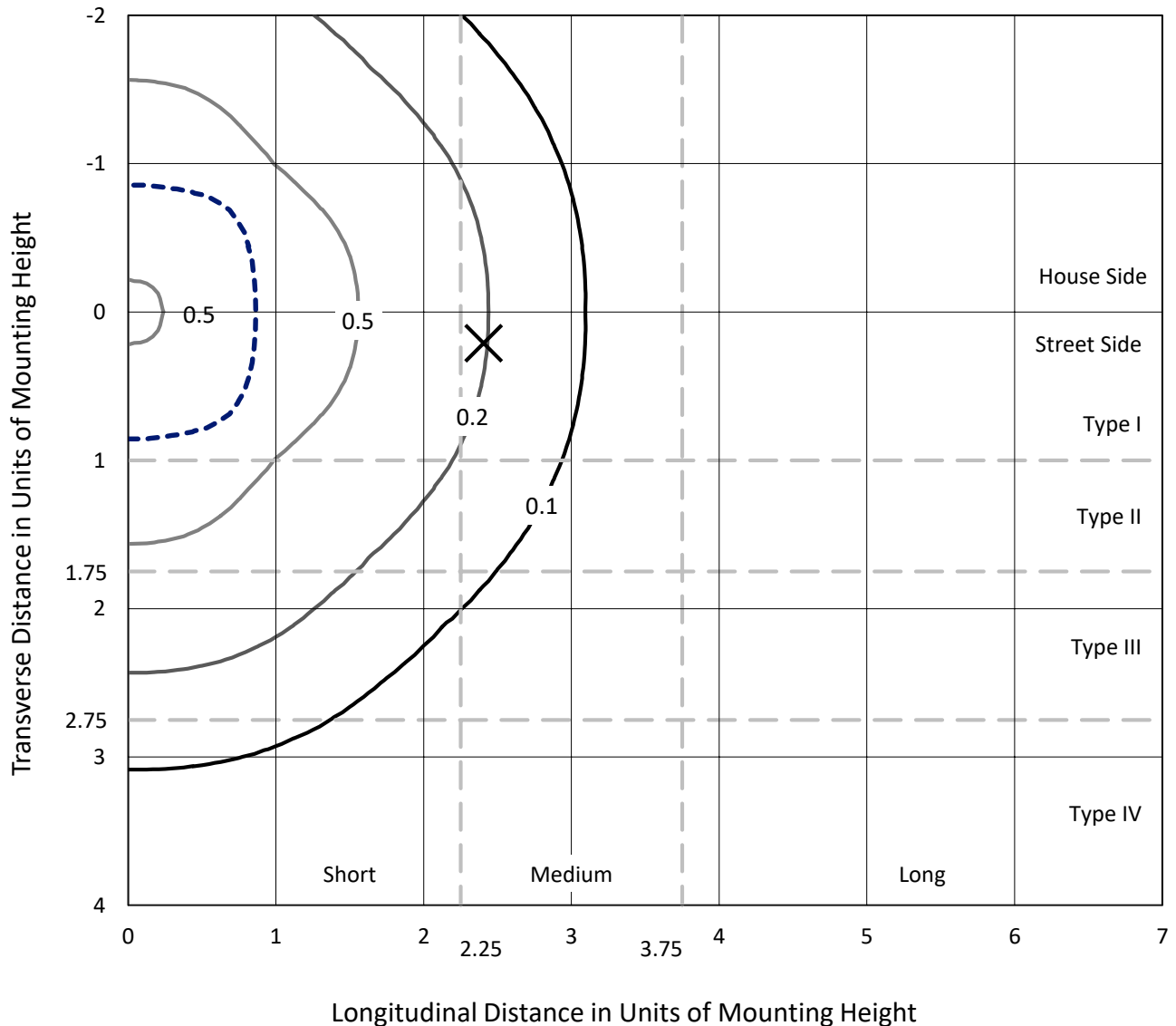
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

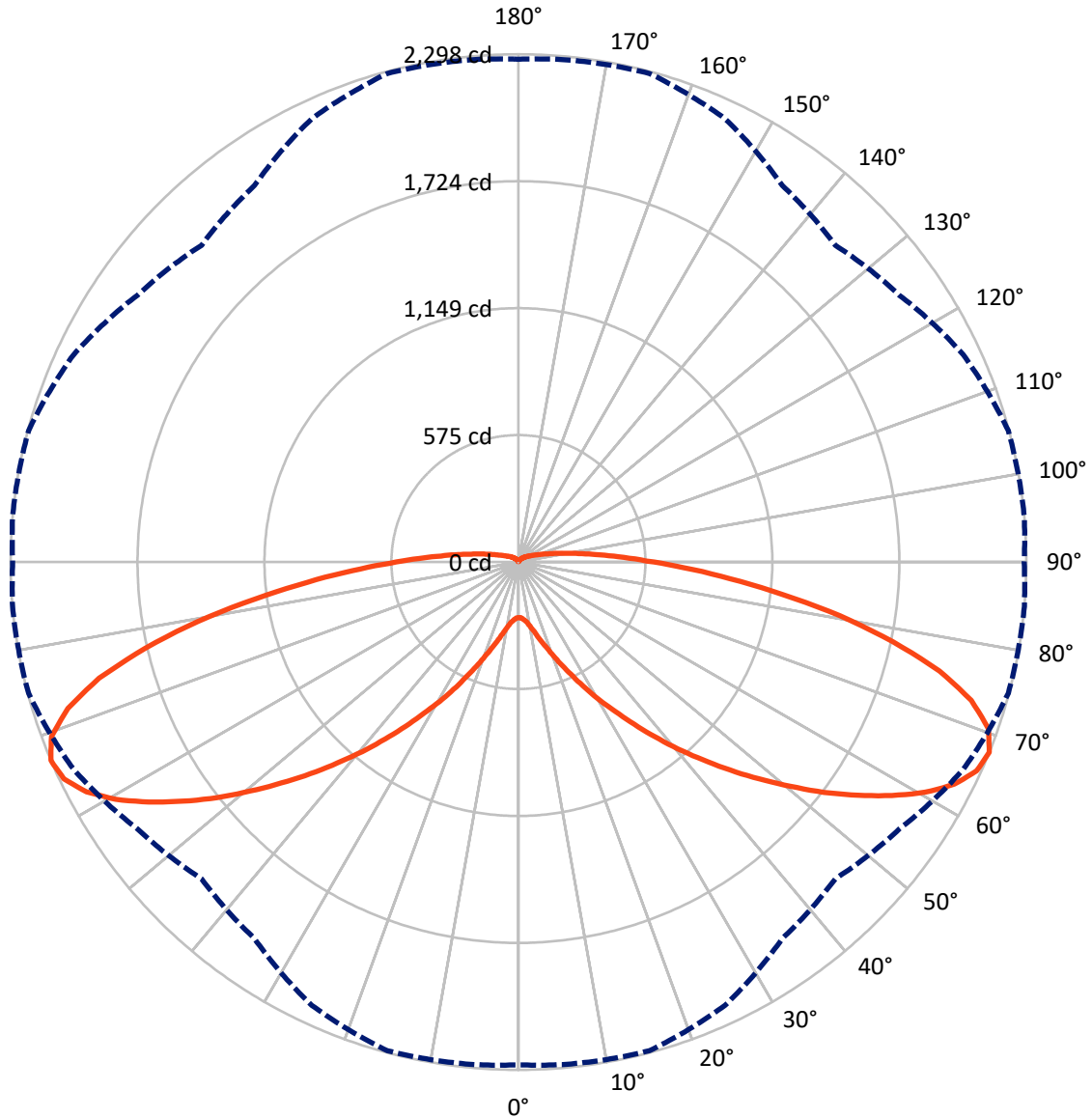
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4440.2	455.8	4896.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	4440.2	455.8	4896.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	8880.4	911.6	9792.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	0.3
10°-20°	106.4	1.1
20°-30°	269.2	2.7
30°-40°	553.9	5.7
40°-50°	995.9	10.2
50°-60°	1591.9	16.3
60°-70°	2130.0	21.8
70°-80°	2018.3	20.6
80°-90°	1188.8	12.1
90°-100°	513.5	5.2
100°-110°	218.7	2.2
110°-120°	100.7	1.0
120°-130°	48.2	0.5
130°-140°	21.5	0.2
140°-150°	7.4	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8880.4	90.7
0°-180°	9792.0	100.0



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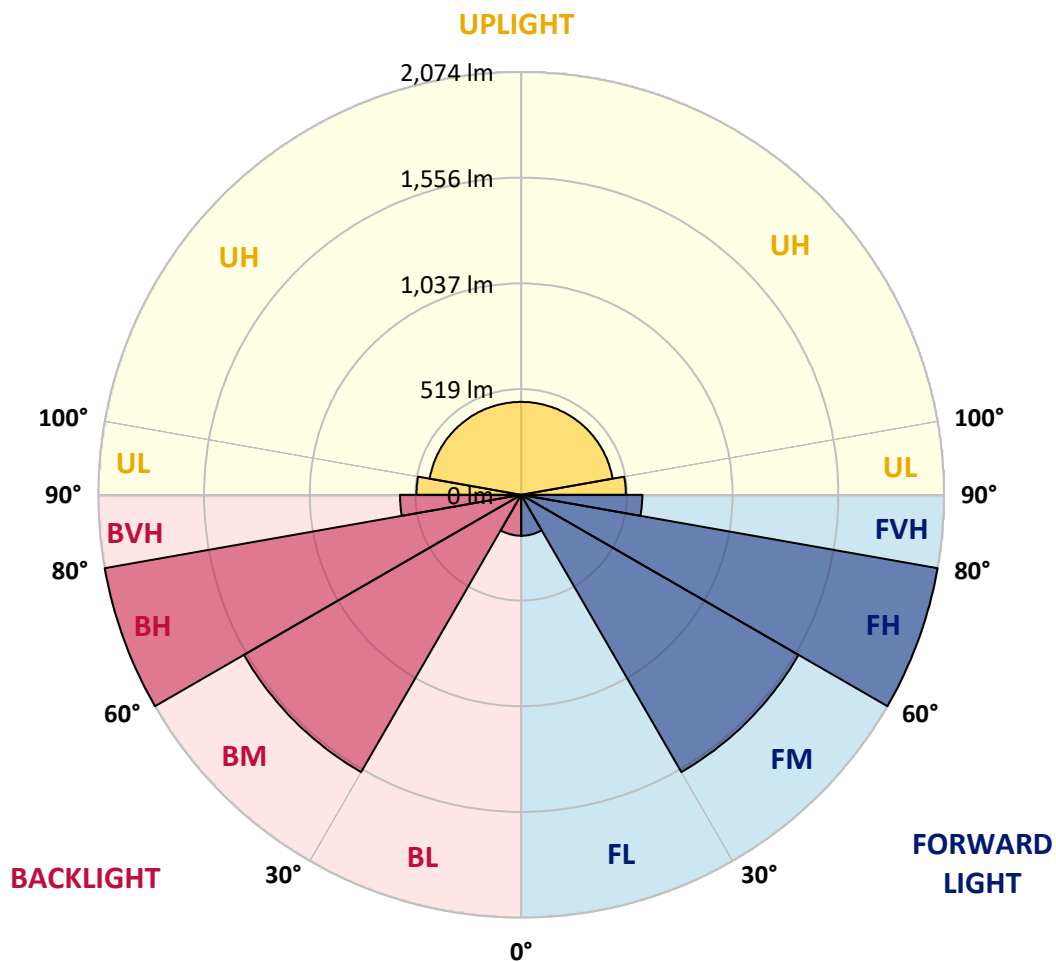
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.9	2.1			
FM	(30°-60°)	1570.8	16.0			
FH	(60°-80°)	2074.1	21.2			G2/5000
FVH	(80°-90°)	594.4	6.1			G4/750
BL	(0°-30°)	200.9	2.1	B1/500		
BM	(30°-60°)	1570.8	16.0	B2/2500		
BH	(60°-80°)	2074.1	21.2	B3/2500		G2/5000
BVH	(80°-90°)	594.4	6.1			G4/750
UL	(90°-100°)	513.5	5.2		U4/1000	
UH	(100°-180°)	455.8	4.7		U3/500	

BUG Rating: B3-U4-G4

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1	251.1
2.5°	253.3	252.2	253.3	253.3	254.4	254.4	254.4	254.4	253.3	253.3	253.3
5°	262.0	262.0	262.0	262.0	263.1	263.1	263.1	262.0	262.0	262.0	262.0
7.5°	278.4	277.3	278.4	277.3	277.3	276.2	277.3	276.2	275.1	275.1	275.1
10°	299.1	299.1	299.1	298.0	298.0	298.0	295.9	295.9	295.9	297.0	295.9
12.5°	333.0	330.8	330.8	326.4	324.2	323.2	322.1	322.1	325.3	325.3	323.2
15°	372.3	371.2	371.2	365.7	361.4	354.8	355.9	360.3	360.3	362.5	361.4
17.5°	419.2	418.1	414.9	409.4	403.9	399.6	397.4	399.6	401.8	402.9	403.9
20°	470.5	469.5	465.1	459.6	454.2	452.0	444.3	447.6	449.8	452.0	450.9
22.5°	525.1	525.1	520.8	513.1	507.7	503.3	500.0	496.7	504.4	508.8	509.8
25°	591.7	589.5	581.9	573.2	566.6	563.3	559.0	559.0	564.4	573.2	575.4
27.5°	661.6	659.4	648.5	638.7	629.9	622.3	620.1	623.4	633.2	646.3	646.3
30°	739.1	734.7	724.9	709.6	695.4	687.8	690.0	695.4	709.6	724.9	723.8
32.5°	824.3	816.6	805.7	788.2	767.5	756.6	759.9	775.1	789.3	805.7	807.9
35°	914.9	913.8	896.3	873.4	847.2	829.7	836.3	857.0	878.9	901.8	905.1
37.5°	1007.7	1011.0	990.2	965.1	926.9	906.2	920.3	949.8	977.1	1002.2	1004.4
40°	1121.2	1118.0	1097.2	1060.1	1014.2	991.3	1003.3	1044.8	1079.7	1111.4	1113.6
42.5°	1238.0	1229.3	1211.8	1167.1	1105.9	1085.2	1102.7	1149.6	1196.6	1222.8	1223.9
45°	1348.3	1351.6	1331.9	1278.4	1210.8	1179.1	1204.2	1259.9	1314.5	1342.9	1346.1
47.5°	1487.0	1478.2	1460.8	1392.0	1315.6	1283.9	1312.3	1380.0	1440.0	1466.2	1465.1
50°	1622.3	1616.9	1591.8	1519.7	1433.5	1395.3	1423.6	1506.6	1572.1	1595.0	1600.5
52.5°	1751.2	1749.0	1727.1	1647.5	1554.7	1507.7	1547.0	1633.3	1708.6	1731.5	1733.7
55°	1883.3	1876.7	1860.3	1777.4	1671.5	1619.1	1668.2	1764.3	1841.8	1863.6	1864.7
57.5°	2001.2	2005.5	1992.4	1905.1	1782.8	1732.6	1787.2	1894.2	1972.8	1993.5	1996.8
60°	2119.1	2120.2	2110.4	2025.2	1895.3	1838.5	1901.8	2013.2	2097.3	2115.8	2116.9
62.5°	2211.9	2214.1	2206.4	2113.6	1983.7	1929.1	1999.0	2114.7	2201.0	2214.1	2213.0
65°	2268.7	2275.2	2270.8	2186.8	2048.1	1997.9	2071.1	2192.2	2270.8	2278.5	2275.2
67.5°	2275.2	2282.9	2289.4	2213.0	2080.9	2027.4	2104.9	2220.6	2294.9	2298.1	2288.3
70°	2227.2	2234.8	2250.1	2186.8	2064.5	2019.7	2094.0	2197.7	2259.9	2255.6	2244.6
72.5°	2103.8	2120.2	2143.1	2100.5	1997.9	1960.8	2033.9	2116.9	2159.5	2143.1	2127.8
75°	1926.9	1943.3	1987.0	1963.0	1884.4	1863.6	1918.2	1980.4	1992.4	1968.4	1947.7
77.5°	1711.9	1732.6	1773.0	1791.6	1739.2	1718.4	1764.3	1797.0	1783.9	1731.5	1716.2
80°	1460.8	1493.5	1536.1	1565.6	1552.5	1545.9	1568.8	1565.6	1517.5	1476.0	1449.8
82.5°	1231.5	1238.0	1303.6	1340.7	1345.0	1347.2	1353.8	1314.5	1258.8	1203.1	1179.1
85°	1006.6	1008.8	1063.4	1116.9	1137.6	1144.2	1132.1	1079.7	1021.9	959.6	943.3
87.5°	806.8	810.1	858.1	912.7	948.7	953.1	930.2	878.9	806.8	751.1	736.9
90°	637.6	648.5	696.5	741.3	779.5	786.1	753.3	698.7	632.1	578.6	569.9
92.5°	509.8	515.3	559.0	600.5	636.5	637.6	614.7	559.0	500.0	452.0	441.1
95°	409.4	413.8	448.7	486.9	516.4	522.9	496.7	447.6	393.0	351.5	349.4
97.5°	326.4	331.9	359.2	399.6	421.4	425.8	408.3	362.5	312.2	275.1	275.1
100°	262.0	265.3	289.3	323.2	346.1	350.5	333.0	292.6	248.9	216.2	214.0
102.5°	212.9	215.1	234.7	265.3	286.0	290.4	275.1	242.4	199.8	173.6	172.5
105°	174.7	175.8	191.1	219.4	239.1	242.4	228.2	199.8	161.6	139.7	138.7
107.5°	143.0	144.1	156.1	182.3	200.9	204.2	192.1	163.8	131.0	115.7	113.5
110°	120.1	121.2	129.9	150.7	169.2	173.6	161.6	136.5	108.1	95.0	95.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	101.5	102.6	109.2	126.6	143.0	148.5	136.5	113.5	90.6	80.8	79.7
115°	86.2	87.3	91.7	107.0	120.1	124.5	115.7	95.0	76.4	68.8	68.8
117.5°	75.3	76.4	78.6	90.6	102.6	105.9	97.2	79.7	64.4	60.0	60.0
120°	66.6	66.6	67.7	76.4	86.2	89.5	81.9	67.7	55.7	52.4	52.4
122.5°	57.9	57.9	59.0	65.5	73.1	75.3	68.8	56.8	48.0	46.9	45.9
125°	51.3	51.3	51.3	55.7	62.2	63.3	57.9	48.0	42.6	41.5	41.5
127.5°	44.8	44.8	44.8	46.9	51.3	52.4	48.0	40.4	37.1	36.0	36.0
130°	39.3	39.3	39.3	40.4	42.6	43.7	39.3	34.9	32.8	32.8	32.8
132.5°	34.9	34.9	33.8	33.8	34.9	34.9	32.8	29.5	28.4	28.4	28.4
135°	30.6	30.6	29.5	28.4	28.4	27.3	25.1	24.0	25.1	25.1	25.1
137.5°	26.2	26.2	25.1	24.0	22.9	21.8	20.7	19.7	20.7	21.8	21.8
140°	21.8	21.8	20.7	18.6	17.5	16.4	15.3	16.4	17.5	18.6	18.6
142.5°	17.5	17.5	17.5	15.3	13.1	12.0	12.0	13.1	14.2	15.3	15.3
145°	14.2	14.2	13.1	12.0	9.8	8.7	8.7	9.8	12.0	12.0	12.0
147.5°	10.9	10.9	9.8	8.7	6.6	5.5	6.6	7.6	8.7	9.8	9.8
150°	7.6	7.6	7.6	6.6	4.4	4.4	4.4	5.5	6.6	6.6	6.6
152.5°	4.4	4.4	4.4	4.4	3.3	2.2	3.3	4.4	4.4	4.4	4.4
155°	3.3	3.3	3.3	3.3	2.2	2.2	2.2	3.3	3.3	3.3	3.3
157.5°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
160°	0.0	0.0	1.1	1.1	2.2	2.2	2.2	2.2	1.1	1.1	1.1
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)