

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: P417364

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417364
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-PA1-90-830-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA 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: 7827 lumens
Efficiency: N/A
Efficacy: 83.3 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 (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

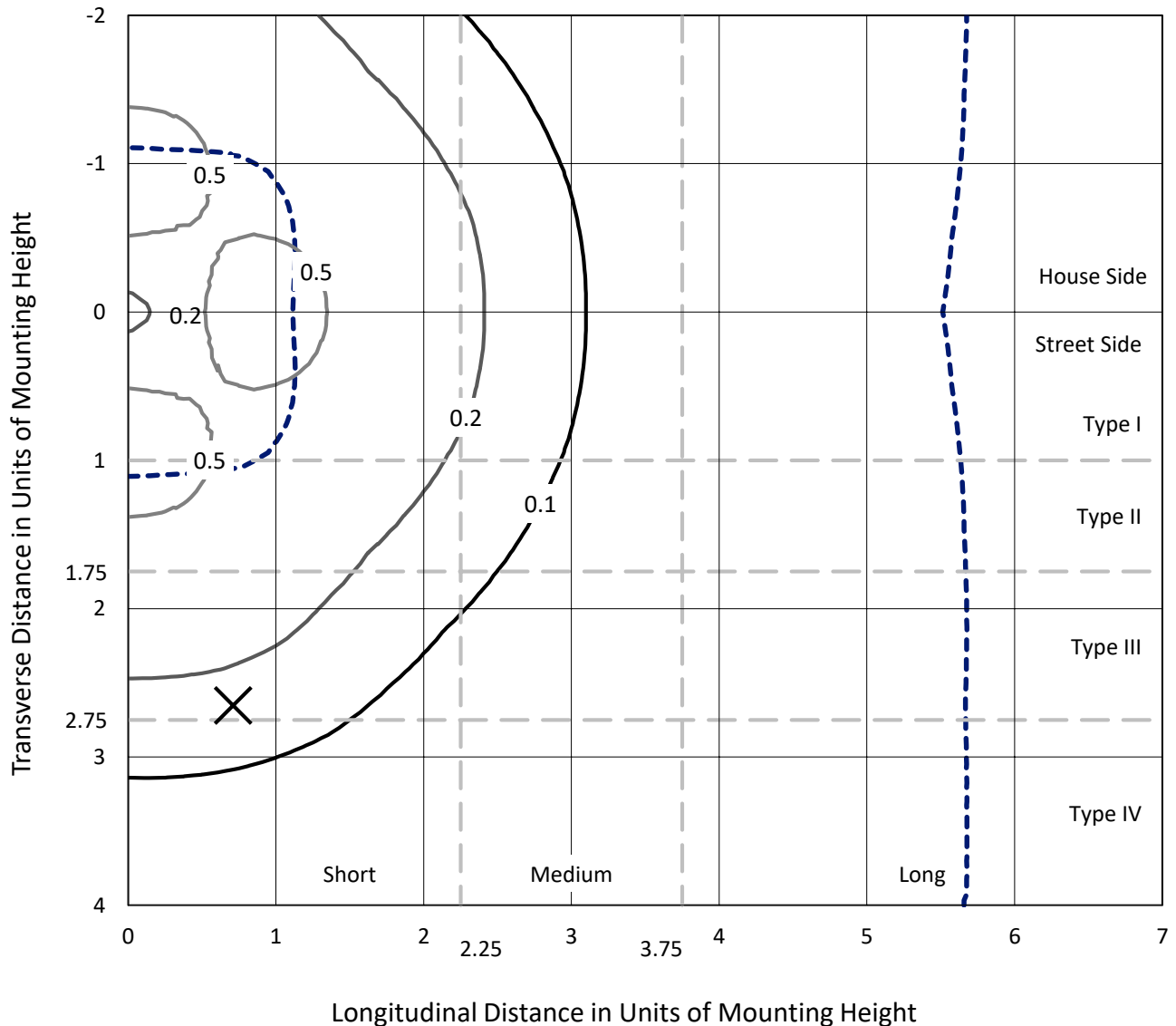


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

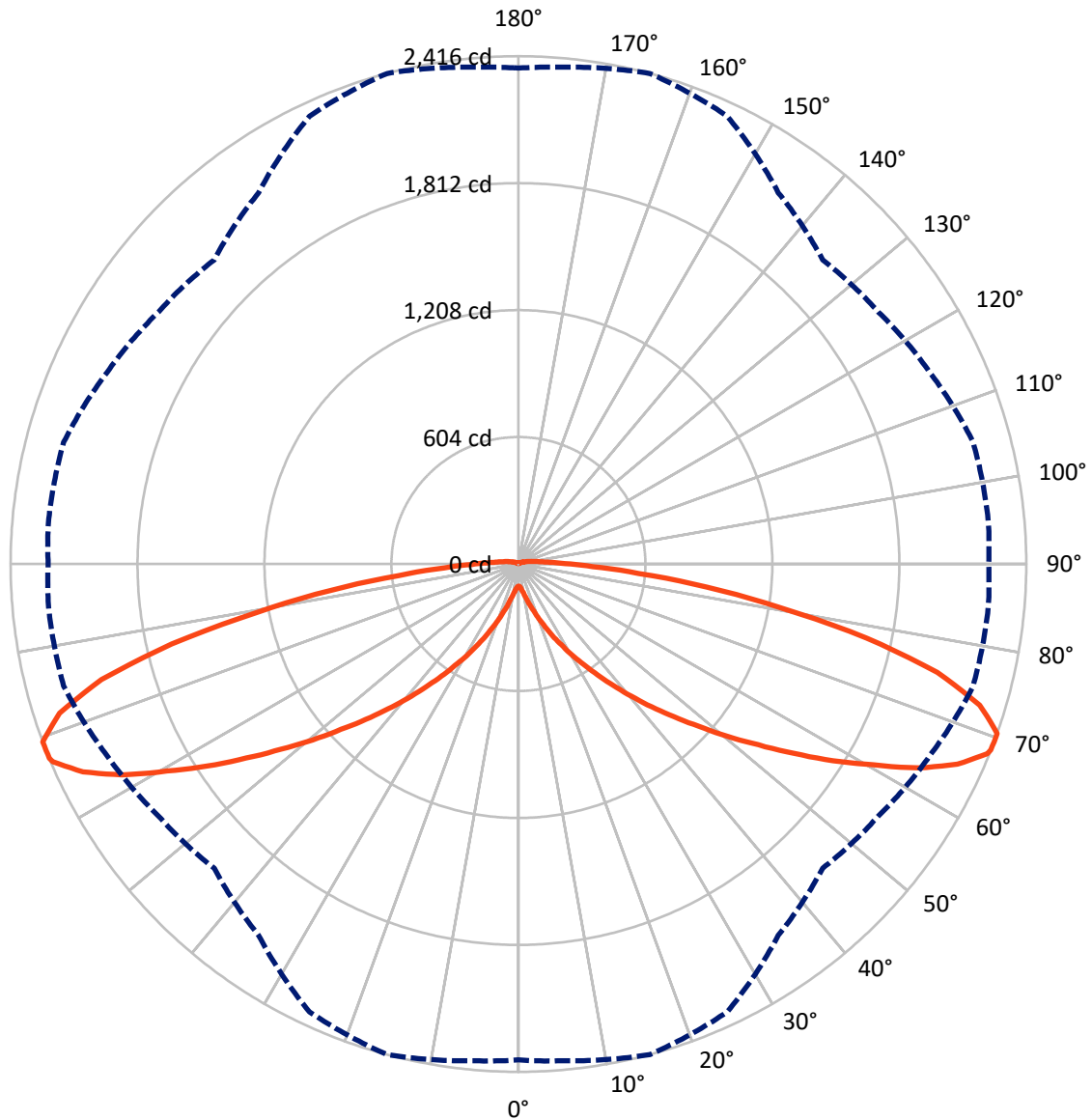


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3775.7	137.8	3913.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3775.7	137.8	3913.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	7551.4	275.7	7827.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.1
10°-20°	56.5	0.7
20°-30°	170.0	2.2
30°-40°	390.8	5.0
40°-50°	751.6	9.6
50°-60°	1328.8	17.0
60°-70°	2059.3	26.3
70°-80°	1998.6	25.5
80°-90°	783.9	10.0
90°-100°	168.7	2.2
100°-110°	57.6	0.7
110°-120°	25.3	0.3
120°-130°	12.8	0.2
130°-140°	6.9	0.1
140°-150°	3.2	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7551.4	96.5
0°-180°	7827.0	100.0



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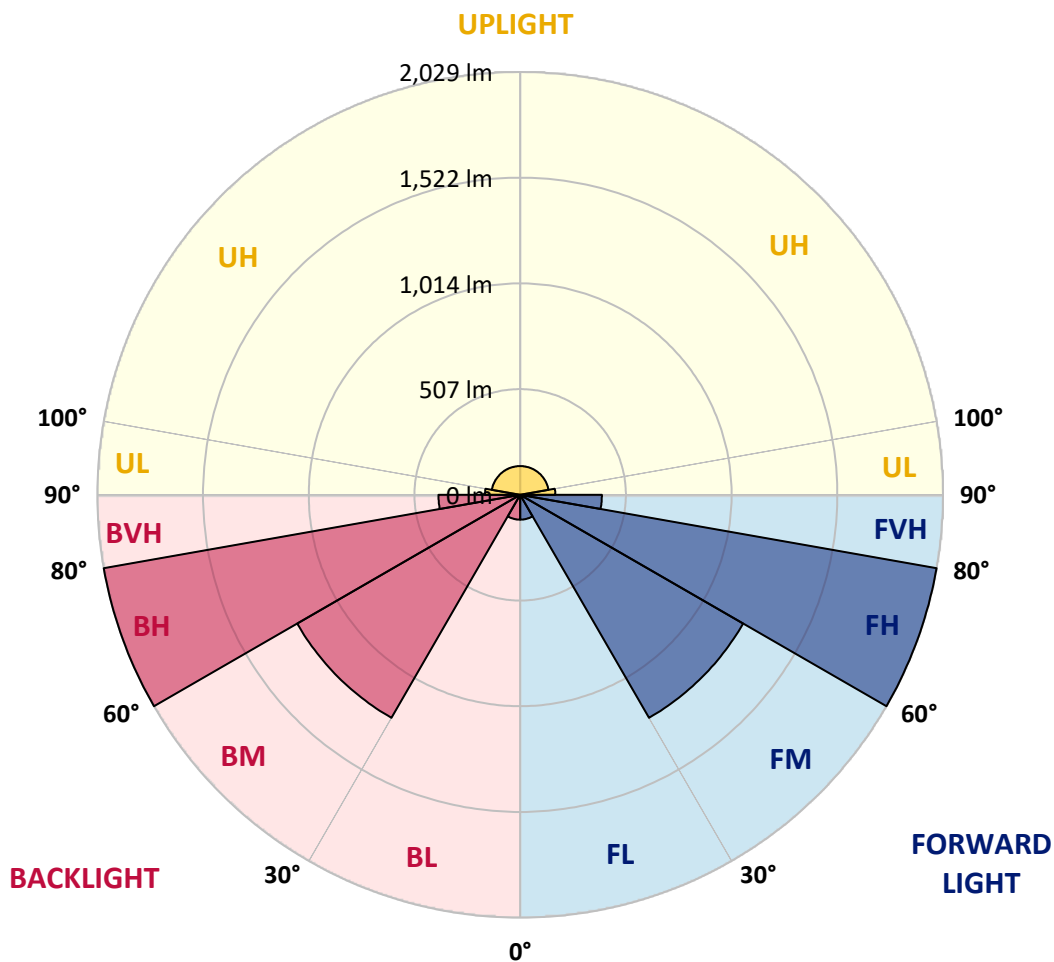
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	119.1	1.5			
FM	(30°-60°)	1235.6	15.8			
FH	(60°-80°)	2028.9	25.9			G2/5000
FVH	(80°-90°)	392.0	5.0			G3/500
BL	(0°-30°)	119.1	1.5	B1/500		
BM	(30°-60°)	1235.6	15.8	B2/2500		
BH	(60°-80°)	2028.9	25.9	B3/2500		G2/5000
BVH	(80°-90°)	392.0	5.0			G3/500
UL	(90°-100°)	168.7	2.2		U3/500	
UH	(100°-180°)	137.8	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°	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4	105.4
2.5°	107.1	107.1	107.1	108.0	108.0	108.8	108.0	107.1	107.1	106.2	106.2
5°	114.8	114.8	114.8	114.8	115.7	115.7	113.9	113.1	112.2	112.2	112.2
7.5°	126.8	126.8	127.7	126.8	126.8	125.9	124.2	122.5	122.5	121.7	121.7
10°	145.6	143.9	143.9	143.1	142.2	140.5	138.8	137.9	136.2	136.2	134.5
12.5°	171.4	170.5	167.9	165.4	161.9	159.4	157.6	156.8	156.8	156.8	158.5
15°	201.3	202.2	200.5	194.5	187.6	182.5	181.6	181.6	183.3	185.1	185.1
17.5°	240.7	239.0	234.8	227.9	219.3	214.2	210.8	213.3	217.6	220.2	221.9
20°	283.6	282.7	276.7	265.6	256.2	249.3	246.7	250.2	257.9	264.7	263.9
22.5°	333.3	332.4	323.0	308.4	295.6	287.9	285.3	292.2	308.4	317.0	318.7
25°	389.8	387.3	378.7	359.0	341.0	329.0	330.7	342.7	364.1	381.3	380.4
27.5°	454.1	450.7	434.4	412.1	388.1	376.1	379.5	399.2	428.4	448.1	450.7
30°	524.3	519.2	502.1	469.5	442.1	425.0	433.5	460.9	497.8	526.0	529.5
32.5°	592.0	598.0	568.9	536.3	498.6	476.4	487.5	525.2	570.6	610.0	613.4
35°	677.7	672.6	647.7	604.9	558.6	535.5	550.0	596.3	647.7	694.0	695.7
37.5°	769.4	764.2	731.7	679.4	625.4	598.0	616.9	666.6	732.5	778.8	789.1
40°	867.9	857.6	827.6	763.4	697.4	669.1	687.1	749.7	820.8	871.3	878.2
42.5°	964.7	958.7	927.9	854.2	778.8	742.8	769.4	831.1	913.3	963.0	971.6
45°	1070.1	1069.2	1035.8	955.3	870.5	830.2	857.6	926.2	1005.0	1062.4	1067.5
47.5°	1181.5	1182.3	1153.2	1072.7	969.8	924.4	951.0	1028.1	1120.6	1172.0	1177.2
50°	1313.4	1308.3	1288.6	1194.3	1086.4	1035.0	1069.2	1149.8	1235.4	1290.3	1295.4
52.5°	1452.2	1452.2	1429.1	1342.5	1216.6	1163.5	1192.6	1274.9	1370.8	1420.5	1430.8
55°	1606.4	1599.6	1590.1	1495.9	1367.4	1305.7	1334.8	1428.2	1516.5	1559.3	1560.2
57.5°	1773.5	1766.6	1764.9	1680.1	1533.6	1453.1	1486.5	1574.7	1675.0	1703.2	1711.8
60°	1935.4	1947.4	1940.6	1866.0	1700.7	1609.8	1647.5	1740.1	1836.9	1862.6	1871.2
62.5°	2111.9	2117.9	2136.8	2045.9	1867.7	1770.9	1808.6	1890.9	1989.4	2010.8	2014.2
65°	2264.4	2270.4	2295.3	2209.6	2007.4	1905.4	1948.3	2034.8	2133.3	2152.2	2141.0
67.5°	2355.2	2368.9	2406.6	2325.2	2117.0	2004.8	2048.5	2129.9	2215.6	2232.7	2218.1
68°	2368.9	2380.1	2415.2	2341.5	2130.8	2016.8	2063.1	2143.6	2231.0	2244.7	2233.6
70°	2359.5	2372.4	2416.1	2350.9	2155.6	2046.8	2090.5	2159.0	2239.6	2244.7	2237.0
72.5°	2229.3	2252.4	2295.3	2272.1	2113.6	2015.1	2051.9	2093.9	2149.6	2148.7	2139.3
75°	1980.0	1969.7	2057.9	2069.1	1964.5	1908.0	1926.0	1926.8	1938.0	1922.6	1891.7
77.5°	1583.3	1607.3	1693.0	1767.5	1732.4	1710.1	1713.5	1663.0	1640.7	1574.7	1554.2
80°	1154.9	1173.8	1265.4	1378.5	1429.1	1454.8	1425.6	1330.5	1252.6	1184.9	1161.8
82.5°	788.2	795.1	903.0	1011.8	1112.9	1143.8	1118.1	988.7	880.7	808.8	777.1
85°	484.9	496.1	573.2	681.1	800.2	870.5	810.5	681.1	572.3	515.8	502.9
87.5°	285.3	302.4	353.8	435.2	549.2	609.2	562.0	449.8	362.4	321.3	305.9
90°	178.2	188.5	221.0	280.2	368.4	412.1	380.4	292.2	233.9	198.8	187.6
92.5°	124.2	127.7	149.9	187.6	251.0	281.0	254.5	200.5	160.2	133.7	129.4
95°	92.5	95.1	108.8	132.8	173.1	196.2	178.2	141.4	113.9	96.0	93.4
97.5°	72.8	74.5	85.7	101.1	126.8	143.1	131.9	108.0	88.2	73.7	71.1
100°	56.5	58.3	68.5	80.5	99.4	108.0	101.1	84.8	69.4	56.5	54.8
102.5°	44.6	45.4	54.8	66.0	79.7	85.7	80.5	68.5	54.8	43.7	42.8
105°	35.1	36.0	44.6	54.8	66.0	70.3	66.8	56.5	43.7	33.4	32.6
107.5°	27.4	28.3	35.1	45.4	54.8	58.3	54.8	46.3	34.3	26.6	25.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	22.3	22.3	29.1	37.7	46.3	48.8	46.3	37.7	27.4	21.4	20.6
112.5°	18.8	18.8	24.0	31.7	38.6	42.0	38.6	30.8	22.3	17.1	17.1
115°	15.4	16.3	19.7	26.6	32.6	35.1	32.6	25.7	18.8	14.6	14.6
117.5°	13.7	14.6	17.1	22.3	28.3	30.0	27.4	21.4	15.4	12.9	12.9
120°	12.9	12.9	14.6	18.8	24.0	25.7	23.1	18.8	13.7	12.0	12.0
122.5°	12.0	12.0	12.9	16.3	20.6	22.3	19.7	15.4	12.0	11.1	10.3
125°	11.1	11.1	12.0	14.6	18.0	18.8	17.1	13.7	10.3	9.4	9.4
127.5°	10.3	10.3	11.1	12.9	15.4	16.3	15.4	12.0	9.4	9.4	9.4
130°	9.4	9.4	10.3	11.1	13.7	14.6	12.9	10.3	8.6	8.6	8.6
132.5°	8.6	8.6	8.6	10.3	12.0	12.0	11.1	9.4	8.6	7.7	7.7
135°	8.6	8.6	8.6	8.6	10.3	11.1	9.4	8.6	7.7	7.7	7.7
137.5°	7.7	7.7	7.7	7.7	8.6	9.4	8.6	7.7	6.9	6.9	6.9
140°	6.9	6.9	6.9	6.9	7.7	7.7	7.7	6.0	6.0	6.0	6.0
142.5°	6.0	6.0	6.0	6.0	6.0	6.9	6.0	5.1	5.1	5.1	5.1
145°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
152.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
155°	1.7	1.7	1.7	1.7	2.6	1.7	2.6	1.7	1.7	1.7	1.7
157.5°	0.9	0.9	1.7	1.7	1.7	2.6	1.7	1.7	0.9	0.9	0.9
160°	0.0	0.9	0.9	0.9	1.7	1.7	1.7	0.9	0.9	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)