

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: P417052

Luminaire Tested: **LXF.LXT-PA1-90-727-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417052
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-PA1-90-727-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 8238 lumens
Efficiency: N/A
Efficacy: 87.6 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

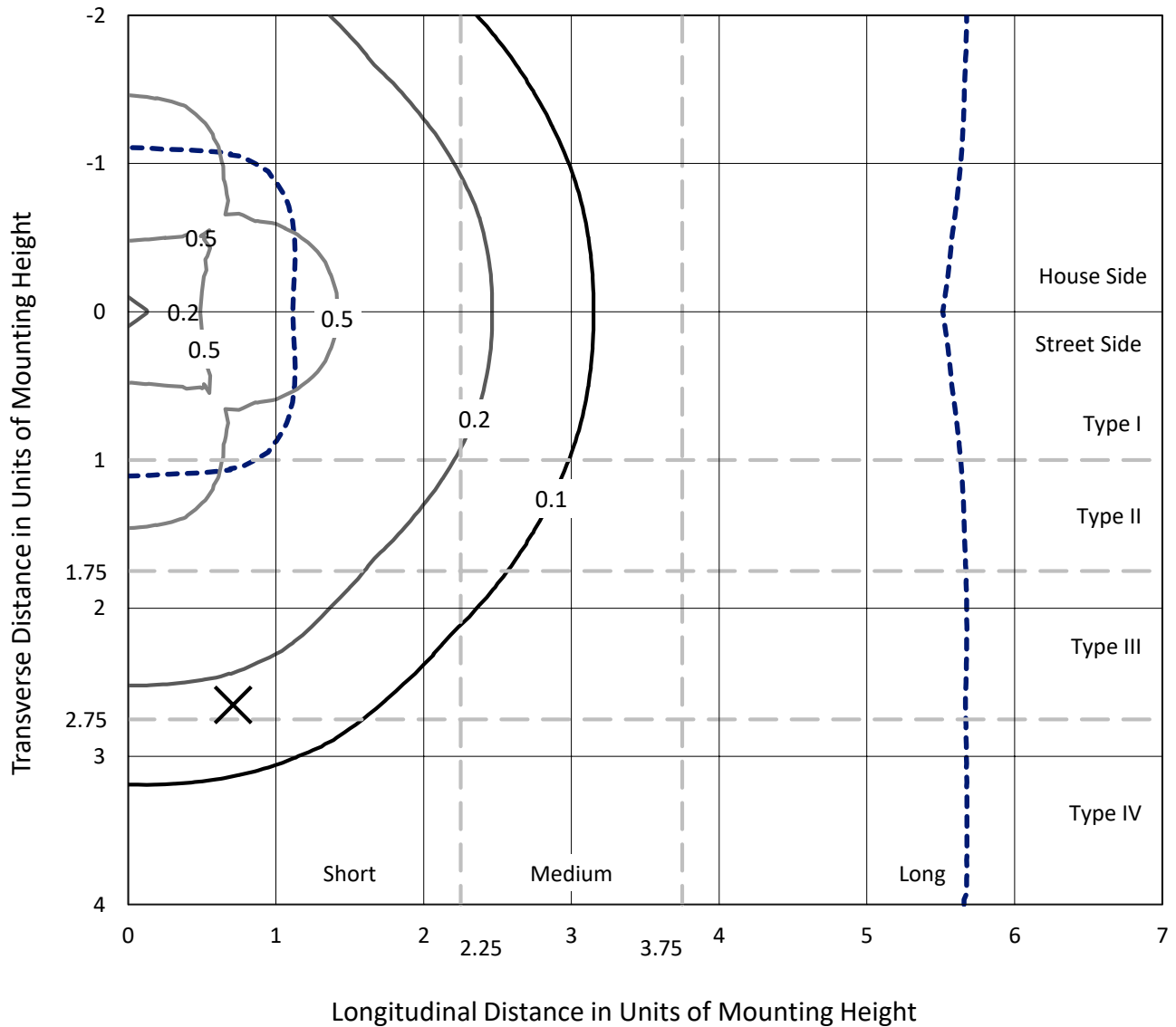


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Iso-Footcandle Lines of Horizontal Illumination

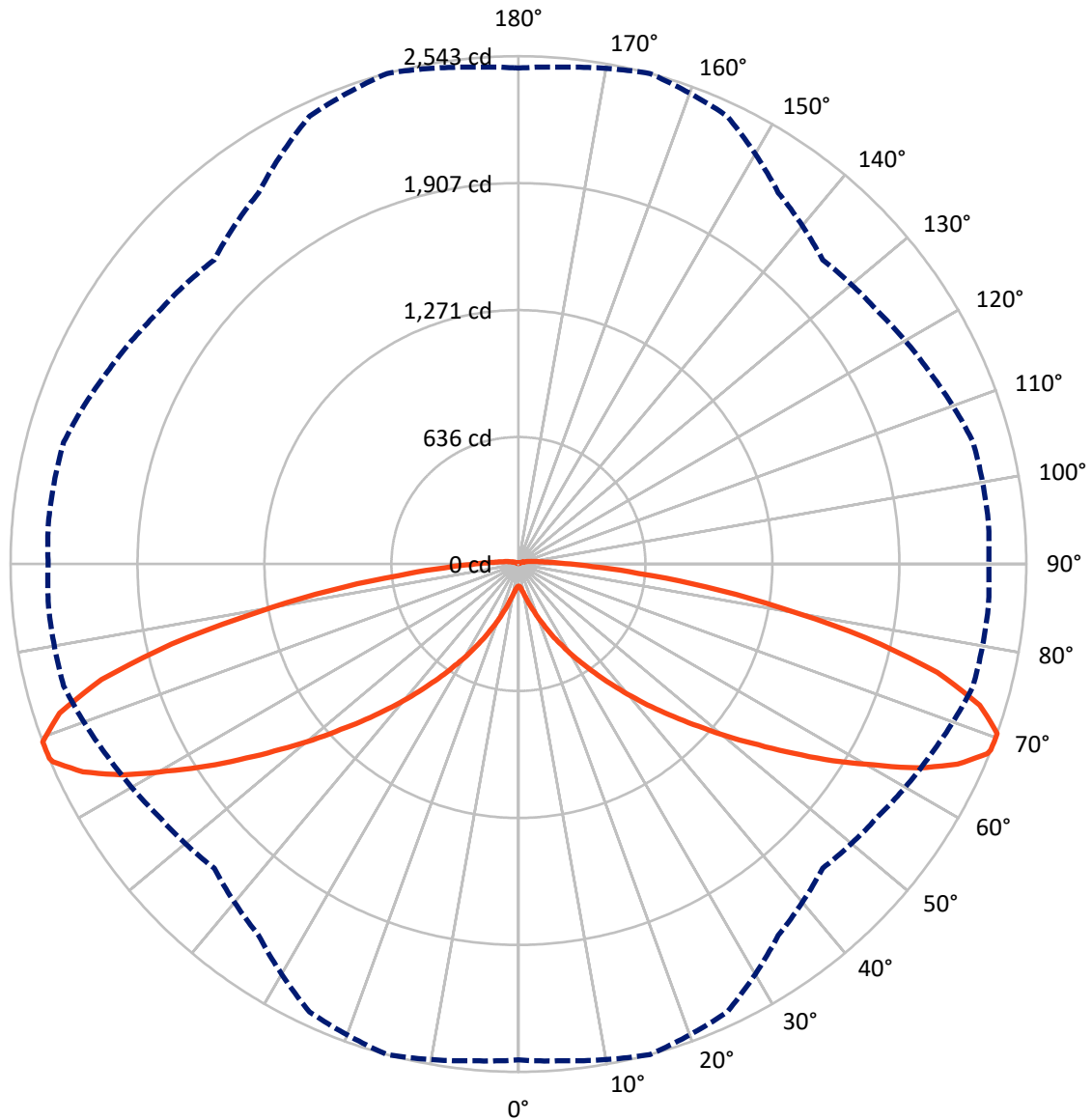
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3973.9	145.0	4119.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3973.9	145.0	4119.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	7947.9	290.1	8238.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.1
10°-20°	59.5	0.7
20°-30°	178.9	2.2
30°-40°	411.4	5.0
40°-50°	791.0	9.6
50°-60°	1398.6	17.0
60°-70°	2167.5	26.3
70°-80°	2103.5	25.5
80°-90°	825.1	10.0
90°-100°	177.6	2.2
100°-110°	60.6	0.7
110°-120°	26.7	0.3
120°-130°	13.4	0.2
130°-140°	7.3	0.1
140°-150°	3.4	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7947.9	96.5
0°-180°	8238.0	100.0

Coefficient of Utilization



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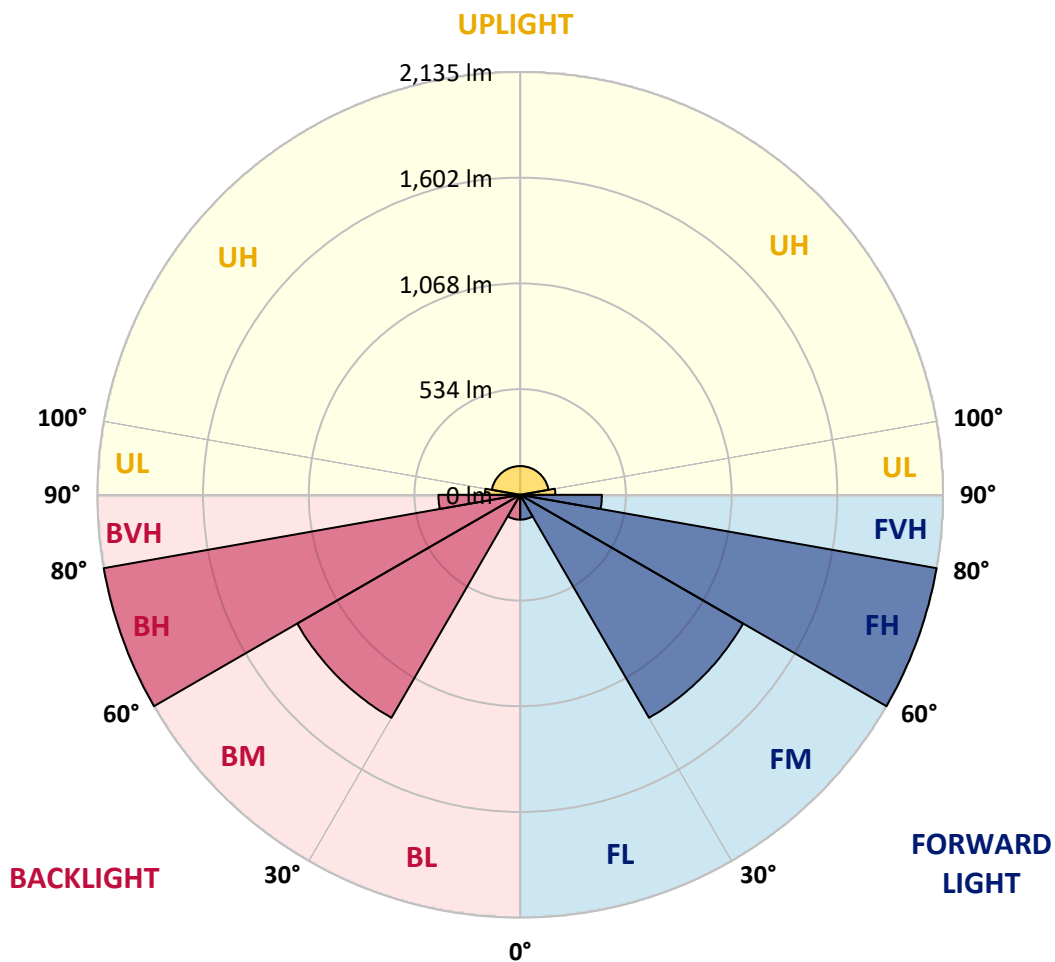
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.4	1.5			
FM	(30°-60°)	1300.5	15.8			
FH	(60°-80°)	2135.5	25.9			G2/5000
FVH	(80°-90°)	412.6	5.0			G3/500
BL	(0°-30°)	125.4	1.5	B1/500		
BM	(30°-60°)	1300.5	15.8	B2/2500		
BH	(60°-80°)	2135.5	25.9	B3/2500		G2/5000
BVH	(80°-90°)	412.6	5.0			G3/500
UL	(90°-100°)	177.6	2.2		U3/500	
UH	(100°-180°)	145.0	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°	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9
2.5°	112.7	112.7	112.7	113.6	113.6	114.5	113.6	112.7	112.7	111.8	111.8
5°	120.8	120.8	120.8	120.8	121.7	121.7	119.9	119.0	118.1	118.1	118.1
7.5°	133.5	133.5	134.4	133.5	133.5	132.6	130.8	128.9	128.9	128.0	128.0
10°	153.3	151.5	151.5	150.6	149.7	147.9	146.1	145.2	143.4	143.4	141.6
12.5°	180.3	179.4	176.7	174.0	170.4	167.7	165.9	165.0	165.0	165.0	166.8
15°	211.9	212.8	211.0	204.7	197.5	192.1	191.2	191.2	193.0	194.8	194.8
17.5°	253.4	251.6	247.1	239.9	230.8	225.4	221.8	224.5	229.0	231.7	233.6
20°	298.5	297.6	291.3	279.5	269.6	262.4	259.7	263.3	271.4	278.6	277.7
22.5°	350.8	349.9	340.0	324.6	311.1	303.0	300.3	307.5	324.6	333.6	335.4
25°	410.3	407.6	398.6	377.8	358.9	346.3	348.1	360.7	383.2	401.3	400.4
27.5°	477.9	474.3	457.2	433.7	408.5	395.9	399.5	420.2	450.9	471.6	474.3
30°	551.9	546.5	528.4	494.2	465.3	447.3	456.3	485.1	523.9	553.7	557.3
32.5°	623.1	629.4	598.8	564.5	524.8	501.4	513.1	552.8	600.6	642.0	645.7
35°	713.3	707.9	681.7	636.6	587.9	563.6	578.9	627.6	681.7	730.4	732.2
37.5°	809.8	804.4	770.1	715.1	658.3	629.4	649.3	701.6	771.0	819.7	830.5
40°	913.5	902.6	871.1	803.5	734.0	704.3	723.2	789.0	863.9	917.1	924.3
42.5°	1015.4	1009.1	976.6	899.0	819.7	781.8	809.8	874.7	961.3	1013.6	1022.6
45°	1126.3	1125.4	1090.2	1005.4	916.2	873.8	902.6	974.8	1057.7	1118.2	1123.6
47.5°	1243.5	1244.4	1213.8	1129.0	1020.8	973.0	1000.9	1082.1	1179.5	1233.6	1239.0
50°	1382.4	1377.0	1356.2	1257.0	1143.4	1089.3	1125.4	1210.1	1300.3	1358.0	1363.4
52.5°	1528.5	1528.5	1504.1	1413.0	1280.5	1224.6	1255.2	1341.8	1442.8	1495.1	1505.9
55°	1690.8	1683.6	1673.6	1574.4	1439.2	1374.3	1404.9	1503.2	1596.1	1641.2	1642.1
57.5°	1866.6	1859.4	1857.6	1768.3	1614.1	1529.4	1564.5	1657.4	1762.9	1792.7	1801.7
60°	2037.0	2049.7	2042.5	1964.0	1790.0	1694.4	1734.1	1831.4	1933.3	1960.4	1969.4
62.5°	2222.8	2229.1	2249.0	2153.4	1965.8	1863.9	1903.6	1990.2	2093.9	2116.4	2120.0
65°	2383.3	2389.6	2415.8	2325.6	2112.8	2005.5	2050.6	2141.6	2245.3	2265.2	2253.5
67.5°	2478.9	2493.3	2533.0	2447.3	2228.2	2110.1	2156.1	2241.7	2331.9	2350.0	2334.6
68°	2493.3	2505.1	2542.0	2464.5	2242.6	2122.7	2171.4	2256.2	2348.1	2362.6	2350.9
70°	2483.4	2496.9	2542.9	2474.4	2268.8	2154.3	2200.3	2272.4	2357.2	2362.6	2354.5
72.5°	2346.3	2370.7	2415.8	2391.4	2224.6	2120.9	2159.7	2203.9	2262.5	2261.6	2251.7
75°	2083.9	2073.1	2166.0	2177.7	2067.7	2008.2	2027.1	2028.0	2039.7	2023.5	1991.1
77.5°	1666.4	1691.7	1781.9	1860.3	1823.3	1799.9	1803.5	1750.3	1726.8	1657.4	1635.8
80°	1215.6	1235.4	1331.9	1450.9	1504.1	1531.2	1500.5	1400.4	1318.4	1247.1	1222.8
82.5°	829.6	836.8	950.4	1065.0	1171.4	1203.8	1176.8	1040.6	927.0	851.2	817.9
85°	510.4	522.1	603.3	716.9	842.2	916.2	853.1	716.9	602.4	542.9	529.3
87.5°	300.3	318.3	372.4	458.1	578.0	641.1	591.5	473.4	381.4	338.2	321.9
90°	187.6	198.4	232.7	294.9	387.8	433.7	400.4	307.5	246.2	209.2	197.5
92.5°	130.8	134.4	157.8	197.5	264.2	295.8	267.8	211.0	168.6	140.7	136.2
95°	97.4	100.1	114.5	139.8	182.2	206.5	187.6	148.8	119.9	101.0	98.3
97.5°	76.6	78.5	90.2	106.4	133.5	150.6	138.9	113.6	92.9	77.6	74.8
100°	59.5	61.3	72.1	84.8	104.6	113.6	106.4	89.3	73.0	59.5	57.7
102.5°	46.9	47.8	57.7	69.4	83.9	90.2	84.8	72.1	57.7	46.0	45.1
105°	37.0	37.9	46.9	57.7	69.4	73.9	70.3	59.5	46.0	35.2	34.3
107.5°	28.9	29.8	37.0	47.8	57.7	61.3	57.7	48.7	36.1	28.0	27.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	23.4	23.4	30.7	39.7	48.7	51.4	48.7	39.7	28.9	22.5	21.6
112.5°	19.8	19.8	25.2	33.4	40.6	44.2	40.6	32.5	23.4	18.0	18.0
115°	16.2	17.1	20.7	28.0	34.3	37.0	34.3	27.1	19.8	15.3	15.3
117.5°	14.4	15.3	18.0	23.4	29.8	31.6	28.9	22.5	16.2	13.5	13.5
120°	13.5	13.5	15.3	19.8	25.2	27.1	24.3	19.8	14.4	12.6	12.6
122.5°	12.6	12.6	13.5	17.1	21.6	23.4	20.7	16.2	12.6	11.7	10.8
125°	11.7	11.7	12.6	15.3	18.9	19.8	18.0	14.4	10.8	9.9	9.9
127.5°	10.8	10.8	11.7	13.5	16.2	17.1	16.2	12.6	9.9	9.9	9.9
130°	9.9	9.9	10.8	11.7	14.4	15.3	13.5	10.8	9.0	9.0	9.0
132.5°	9.0	9.0	9.0	10.8	12.6	12.6	11.7	9.9	9.0	8.1	8.1
135°	9.0	9.0	9.0	9.0	10.8	11.7	9.9	9.0	8.1	8.1	8.1
137.5°	8.1	8.1	8.1	8.1	9.0	9.9	9.0	8.1	7.2	7.2	7.2
140°	7.2	7.2	7.2	7.2	8.1	8.1	8.1	6.3	6.3	6.3	6.3
142.5°	6.3	6.3	6.3	6.3	6.3	7.2	6.3	5.4	5.4	5.4	5.4
145°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
147.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
150°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
152.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
155°	1.8	1.8	1.8	1.8	2.7	1.8	2.7	1.8	1.8	1.8	1.8
157.5°	0.9	0.9	1.8	1.8	1.8	2.7	1.8	1.8	0.9	0.9	0.9
160°	0.0	0.9	0.9	0.9	1.8	1.8	1.8	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)