

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: P413720

Luminaire Tested: **LXF.LXT-PA1-100-727-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413720
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-PA1-100-727-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA 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: 8377 lumens
Efficiency: N/A
Efficacy: 87.3 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

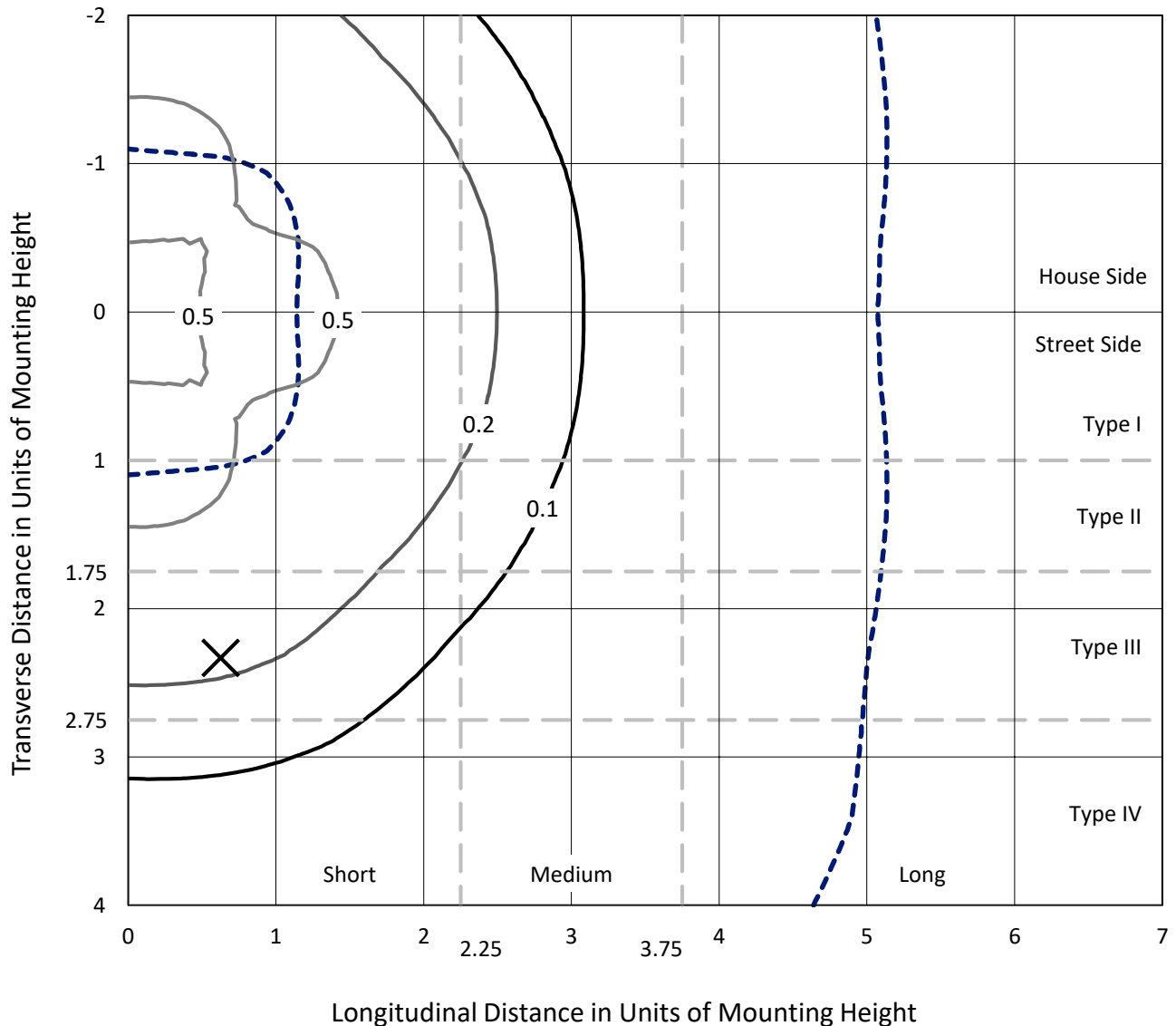
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

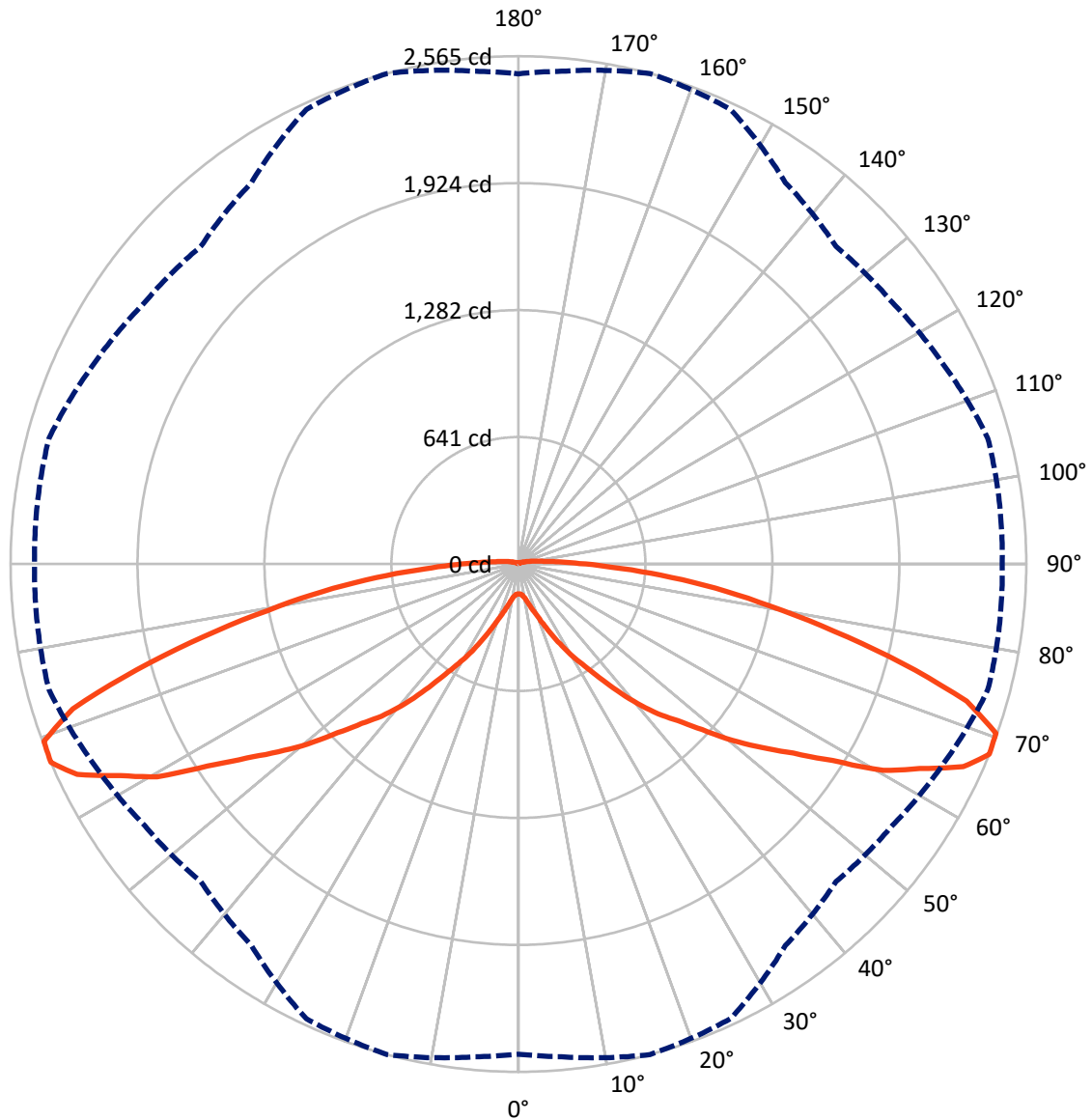
✕ Max cd
 - - - 1/2 Max cd



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	4023.2	165.3	4188.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	4023.2	165.3	4188.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	8046.4	330.6	8377.0
	% Fixture	96.1	3.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.2
10°-20°	62.6	0.7
20°-30°	180.4	2.2
30°-40°	424.7	5.1
40°-50°	800.6	9.6
50°-60°	1427.8	17.0
60°-70°	2257.3	26.9
70°-80°	1988.8	23.7
80°-90°	888.9	10.6
90°-100°	220.7	2.6
100°-110°	60.8	0.7
110°-120°	24.4	0.3
120°-130°	12.9	0.2
130°-140°	7.6	0.1
140°-150°	3.2	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8046.4	96.1
0°-180°	8377.0	100.0

Coefficient of Utilization



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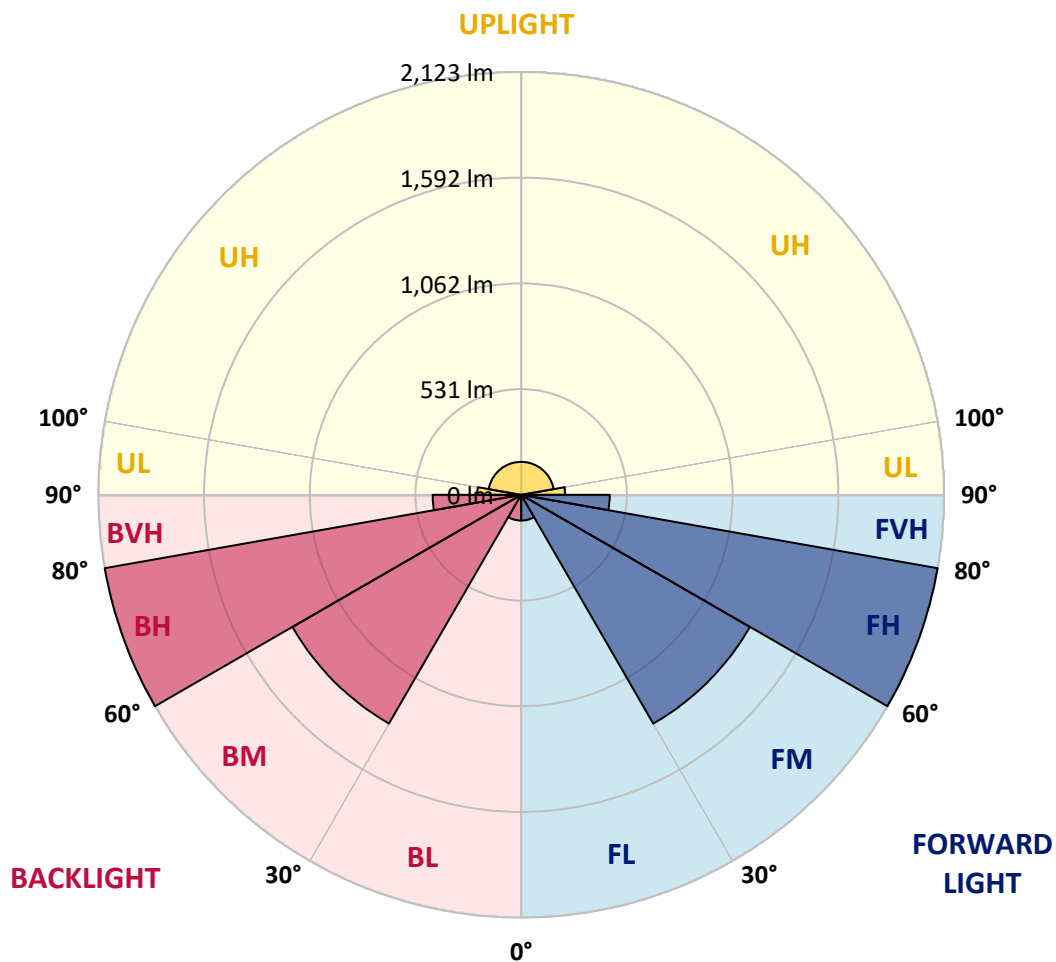
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.1	1.5			
FM (30°-60°)	1326.6	15.8			
FH (60°-80°)	2123.1	25.3			G2/5000
FVH (80°-90°)	444.5	5.3			G3/500
BL (0°-30°)	129.1	1.5	B1/500		
BM (30°-60°)	1326.6	15.8	B2/2500		
BH (60°-80°)	2123.1	25.3	B3/2500		G2/5000
BVH (80°-90°)	444.5	5.3			G3/500
UL (90°-100°)	220.7	2.6		U3/500	
UH (100°-180°)	165.3	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°	150.7	150.7	150.7	150.7	150.7	150.7	150.7	150.7	150.7	150.7	150.7
2.5°	150.7	150.7	151.6	151.6	152.5	153.4	152.5	151.6	150.7	149.7	149.7
5°	155.2	155.2	155.2	155.2	156.1	156.1	155.2	153.4	152.5	151.6	151.6
7.5°	162.5	162.5	162.5	162.5	162.5	161.6	159.8	158.0	157.0	156.1	156.1
10°	174.4	174.4	172.6	172.6	171.7	170.7	168.9	167.1	165.3	166.2	166.2
12.5°	194.5	195.4	192.7	188.1	184.4	182.6	181.7	181.7	184.4	184.4	185.4
15°	223.7	223.7	219.1	212.7	205.4	200.0	201.8	206.4	210.9	213.7	213.7
17.5°	255.7	255.7	251.1	242.9	232.8	230.1	229.2	233.7	243.8	247.4	248.4
20°	295.8	295.8	287.6	275.7	266.6	263.0	263.0	270.3	281.2	289.4	288.5
22.5°	350.6	349.7	337.8	317.7	305.9	300.4	299.5	309.5	328.7	341.5	345.1
25°	416.4	415.4	399.9	373.4	355.2	340.6	344.2	361.6	390.8	410.9	410.9
27.5°	491.2	487.6	467.5	438.3	410.9	391.7	397.2	421.8	458.4	485.7	486.7
30°	564.3	564.3	542.4	507.7	471.1	447.4	453.8	488.5	532.3	575.2	576.1
32.5°	641.9	641.0	613.6	578.9	534.1	507.7	517.7	560.6	622.7	672.0	681.1
35°	741.4	742.3	704.0	656.5	599.9	570.7	584.4	640.1	714.0	773.4	778.8
37.5°	848.2	853.7	811.7	750.5	674.8	639.1	659.2	724.1	809.9	872.0	872.0
40°	963.3	966.0	927.7	850.1	758.8	712.2	738.7	808.1	873.8	926.8	929.5
42.5°	1061.0	1063.7	1033.6	957.8	855.5	799.8	815.4	868.3	930.4	989.8	995.2
45°	1137.7	1146.8	1128.5	1063.7	959.6	892.1	890.2	944.1	1019.0	1081.1	1088.4
47.5°	1276.5	1281.0	1249.1	1172.4	1066.5	992.5	985.2	1039.1	1136.8	1203.4	1208.0
50°	1398.8	1412.5	1400.6	1318.5	1192.5	1103.0	1103.9	1175.1	1281.0	1348.6	1355.0
52.5°	1536.7	1543.1	1539.4	1469.1	1346.8	1240.9	1252.7	1333.1	1447.2	1489.2	1496.5
55°	1662.7	1672.7	1685.5	1633.5	1512.0	1418.9	1429.9	1515.7	1592.4	1632.6	1636.2
57.5°	1862.6	1872.7	1871.8	1795.1	1691.0	1600.6	1618.9	1686.4	1786.9	1855.3	1867.2
60°	2080.0	2094.6	2117.4	2017.9	1861.7	1798.7	1821.6	1919.3	2033.4	2043.4	2056.2
62.5°	2225.1	2232.4	2275.3	2242.5	2060.8	1985.0	2045.3	2128.3	2187.7	2196.8	2193.2
65°	2415.0	2438.8	2468.9	2393.1	2247.0	2143.0	2212.3	2274.4	2381.3	2390.4	2388.6
67.5°	2475.3	2498.1	2564.8	2533.7	2351.1	2268.0	2303.7	2372.1	2454.3	2447.0	2443.4
70°	2479.9	2501.8	2558.4	2542.0	2374.9	2259.8	2296.3	2322.8	2398.6	2399.5	2389.5
72.5°	2231.5	2269.9	2366.7	2395.9	2249.8	2132.0	2134.7	2133.8	2139.3	2079.0	2055.3
75°	1880.0	1907.4	2002.3	2072.6	1997.8	1896.4	1894.6	1817.9	1801.5	1755.8	1739.4
77.5°	1505.6	1539.4	1630.7	1707.4	1680.9	1626.2	1597.9	1511.1	1487.4	1435.3	1441.7
80°	1170.5	1197.0	1287.4	1386.9	1394.2	1355.9	1324.9	1253.6	1207.1	1163.2	1144.1
82.5°	901.2	924.0	1001.6	1109.4	1154.1	1149.5	1105.7	1025.4	983.4	941.4	916.7
85°	622.7	642.8	719.5	850.1	930.4	958.7	909.4	808.1	733.2	673.8	660.1
87.5°	401.7	410.9	472.1	585.3	705.8	772.4	720.4	593.5	499.4	452.0	436.4
90°	251.1	264.8	308.6	378.9	496.7	581.6	528.7	399.9	332.4	284.0	273.9
92.5°	174.4	172.6	202.7	252.0	338.7	408.1	362.5	264.8	210.0	178.0	171.7
95°	115.0	119.6	136.0	167.1	229.2	272.1	239.2	176.2	137.9	115.0	112.3
97.5°	85.8	86.7	99.5	118.7	156.1	179.0	158.9	122.4	97.7	83.1	82.2
100°	67.6	68.5	77.6	88.6	109.6	124.2	111.4	92.2	75.8	64.8	64.8
102.5°	53.0	53.9	60.3	69.4	83.1	92.2	84.9	71.2	59.3	51.1	50.2
105°	42.0	42.0	47.5	54.8	64.8	71.2	66.7	55.7	45.7	40.2	40.2
107.5°	32.9	33.8	37.4	42.9	52.0	58.4	53.0	42.9	35.6	31.0	31.0
110°	26.5	26.5	29.2	34.7	42.0	47.5	42.9	34.7	28.3	25.6	25.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	21.9	21.9	23.7	28.3	34.7	39.3	34.7	28.3	22.8	21.0	21.0
115°	18.3	18.3	20.1	22.8	29.2	32.0	29.2	22.8	19.2	17.3	17.3
117.5°	16.4	16.4	17.3	20.1	24.7	26.5	24.7	19.2	16.4	15.5	15.5
120°	14.6	14.6	15.5	17.3	21.0	22.8	21.0	17.3	14.6	13.7	13.7
122.5°	13.7	13.7	13.7	15.5	19.2	20.1	18.3	15.5	12.8	12.8	12.8
125°	12.8	12.8	12.8	13.7	16.4	17.3	16.4	13.7	11.9	11.9	11.9
127.5°	11.9	11.9	11.9	12.8	14.6	15.5	14.6	12.8	11.0	11.0	11.0
130°	11.9	11.9	11.0	11.9	12.8	13.7	12.8	11.9	11.0	10.0	11.0
132.5°	11.0	11.0	11.0	11.0	11.9	11.9	11.9	11.0	10.0	10.0	10.0
135°	10.0	10.0	9.1	9.1	10.0	11.0	10.0	9.1	9.1	9.1	9.1
137.5°	9.1	8.2	8.2	8.2	9.1	9.1	9.1	8.2	8.2	8.2	8.2
140°	7.3	7.3	7.3	7.3	7.3	8.2	7.3	6.4	6.4	7.3	7.3
142.5°	6.4	6.4	6.4	5.5	6.4	6.4	6.4	5.5	5.5	5.5	5.5
145°	5.5	5.5	5.5	4.6	5.5	5.5	5.5	4.6	4.6	4.6	4.6
147.5°	3.7	4.6	3.7	3.7	4.6	4.6	3.7	3.7	3.7	3.7	3.7
150°	2.7	2.7	2.7	2.7	3.7	3.7	2.7	2.7	2.7	2.7	2.7
152.5°	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.8	2.7	2.7	1.8	1.8	1.8	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	1.8	2.7	1.8	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.9	1.8	2.7	1.8	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)