

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: P417102

Luminaire Tested: **LXF.LXT-PA1-90-730-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417102
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-PA1-90-730-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA 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: 8807 lumens
Efficiency: N/A
Efficacy: 93.7 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 - U3 - G4

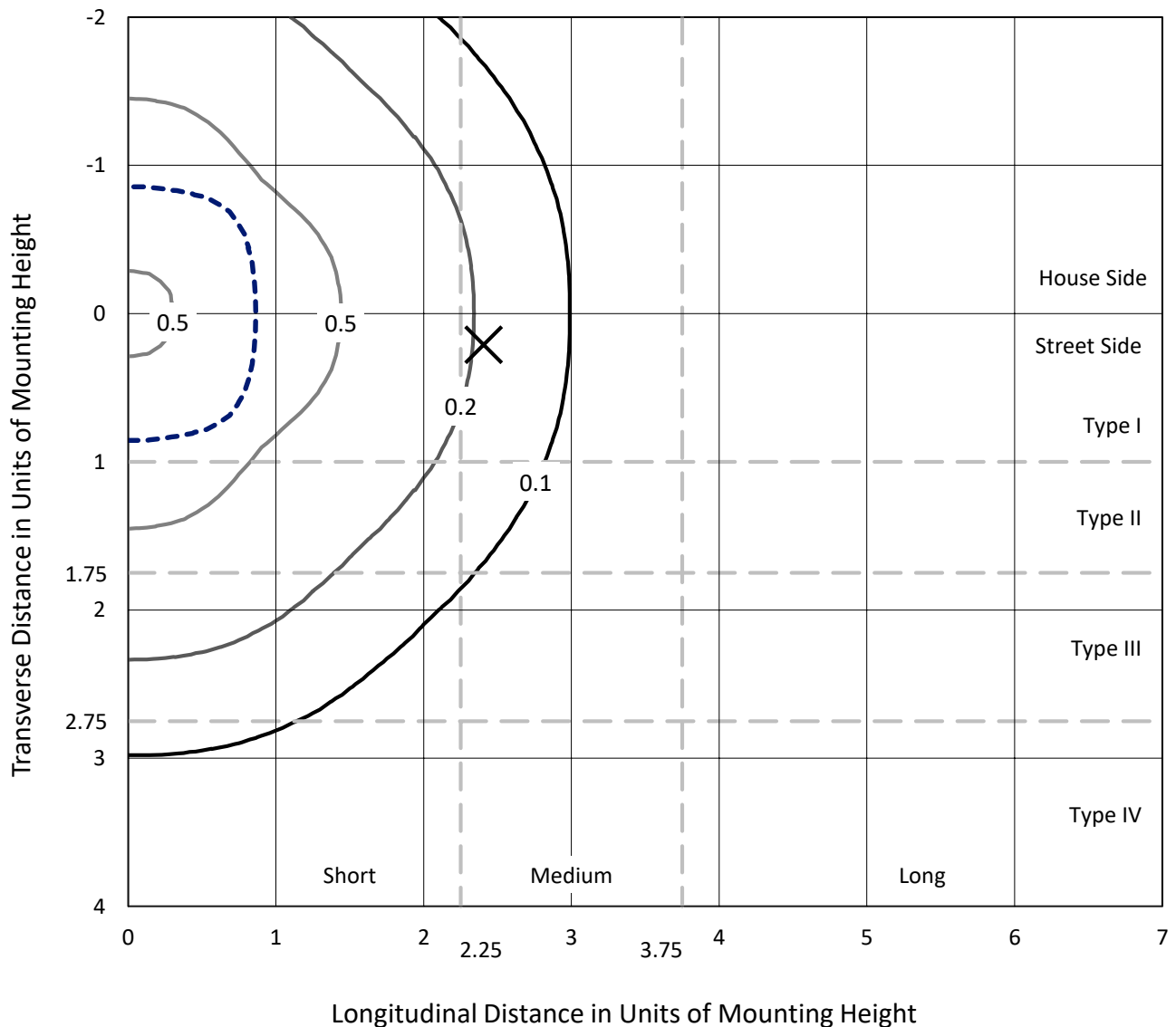
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

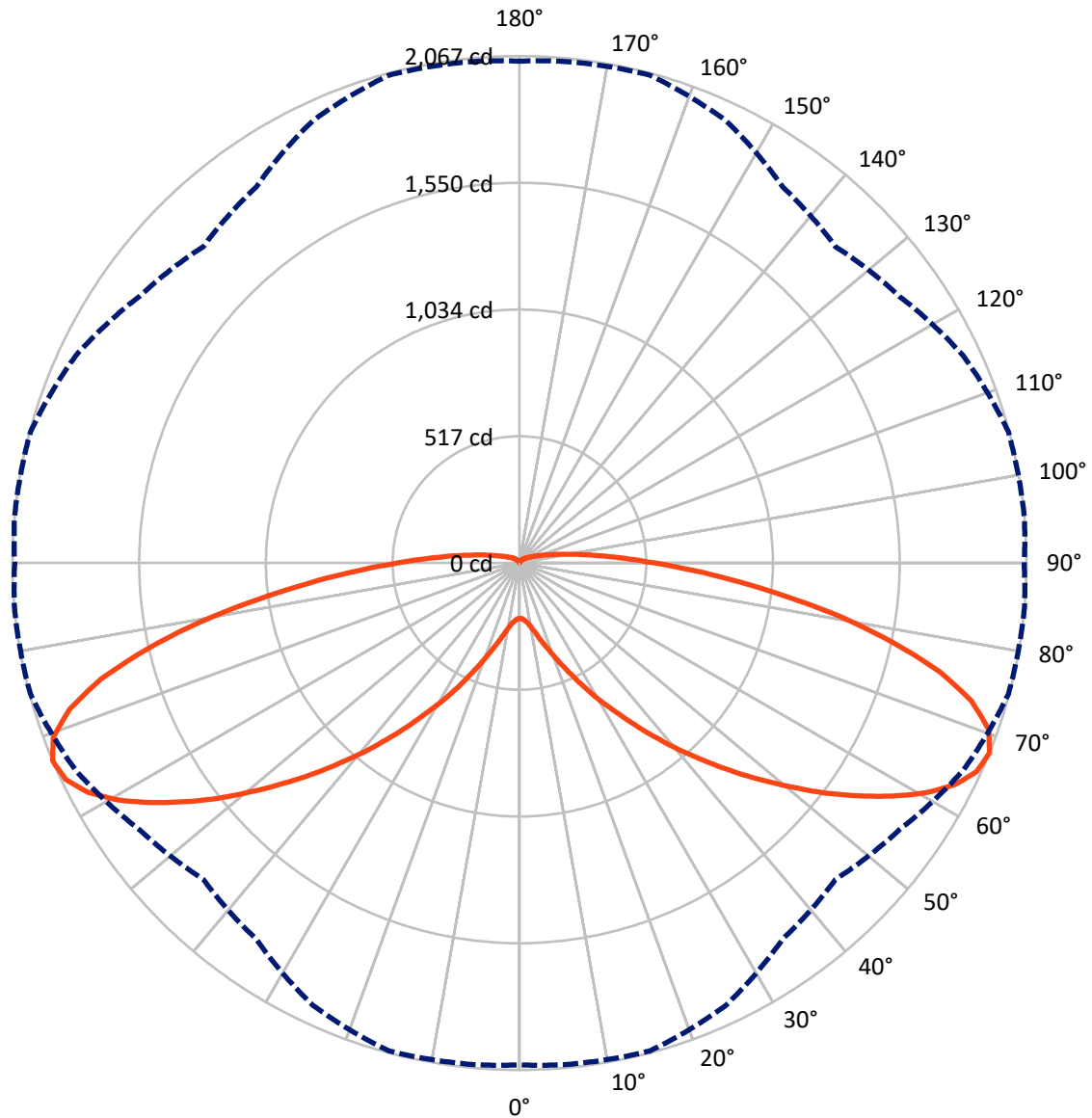
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - 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	3993.6	409.9	4403.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	3993.6	409.9	4403.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	7987.1	819.9	8807.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	0.3
10°-20°	95.7	1.1
20°-30°	242.1	2.7
30°-40°	498.2	5.7
40°-50°	895.7	10.2
50°-60°	1431.8	16.3
60°-70°	1915.7	21.8
70°-80°	1815.2	20.6
80°-90°	1069.2	12.1
90°-100°	461.9	5.2
100°-110°	196.7	2.2
110°-120°	90.6	1.0
120°-130°	43.3	0.5
130°-140°	19.4	0.2
140°-150°	6.6	0.1
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7987.1	90.7
0°-180°	8807.0	100.0



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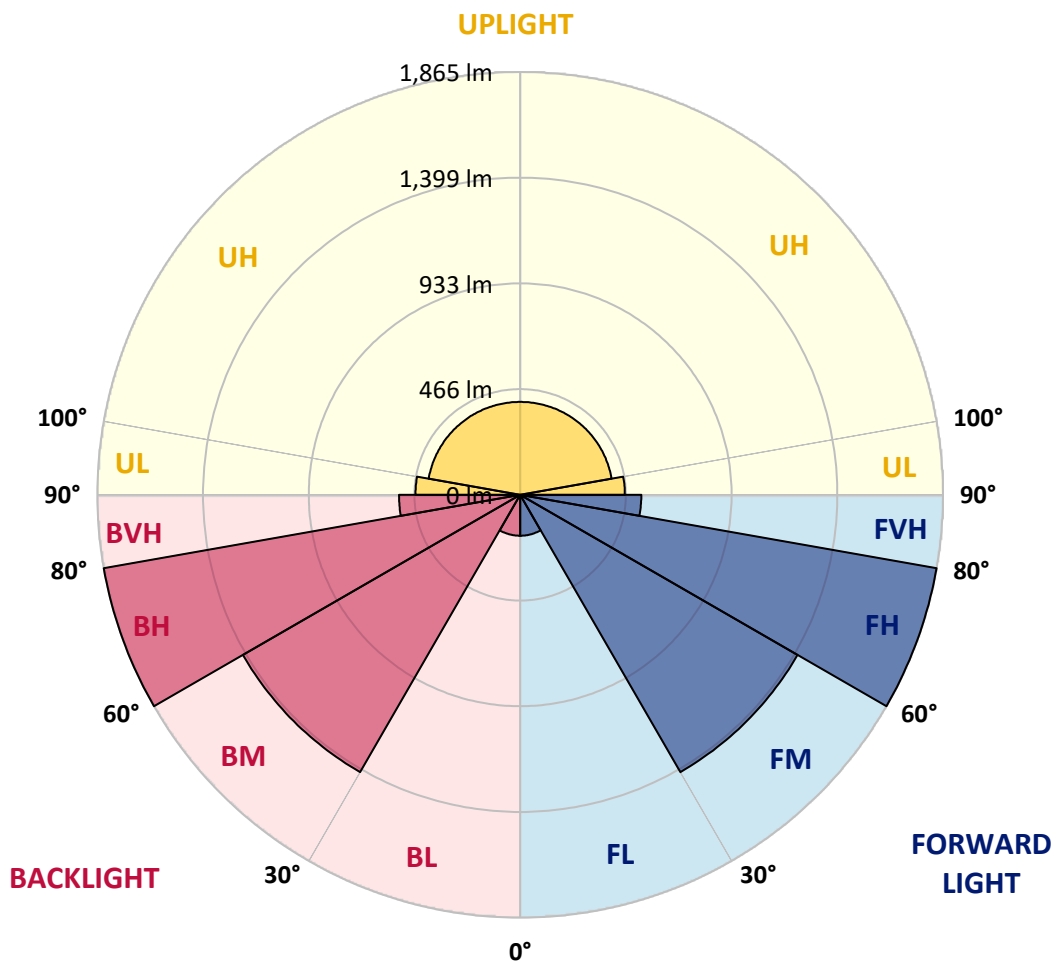
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.7	2.1			
FM (30°-60°)	1412.8	16.0			
FH (60°-80°)	1865.5	21.2			G2/5000
FVH (80°-90°)	534.6	6.1			G4/750
BL (0°-30°)	180.7	2.1	B1/500		
BM (30°-60°)	1412.8	16.0	B2/2500		
BH (60°-80°)	1865.5	21.2	B3/2500		G2/5000
BVH (80°-90°)	534.6	6.1			G4/750
UL (90°-100°)	461.9	5.2		U3/500	
UH (100°-180°)	409.9	4.7		U3/500	

BUG Rating: B3-U3-G4

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8
2.5°	227.8	226.8	227.8	227.8	228.8	228.8	228.8	228.8	227.8	227.8	227.8
5°	235.7	235.7	235.7	235.7	236.6	236.6	236.6	235.7	235.7	235.7	235.7
7.5°	250.4	249.4	250.4	249.4	249.4	248.4	249.4	248.4	247.4	247.4	247.4
10°	269.0	269.0	269.0	268.1	268.1	268.1	266.1	266.1	266.1	267.1	266.1
12.5°	299.5	297.5	297.5	293.6	291.6	290.7	289.7	289.7	292.6	292.6	290.7
15°	334.8	333.9	333.9	328.9	325.0	319.1	320.1	324.0	324.0	326.0	325.0
17.5°	377.1	376.1	373.1	368.2	363.3	359.4	357.4	359.4	361.3	362.3	363.3
20°	423.2	422.2	418.3	413.4	408.5	406.5	399.6	402.6	404.6	406.5	405.5
22.5°	472.3	472.3	468.4	461.5	456.6	452.7	449.7	446.8	453.7	457.6	458.6
25°	532.2	530.2	523.4	515.5	509.6	506.7	502.7	502.7	507.7	515.5	517.5
27.5°	595.0	593.1	583.3	574.4	566.6	559.7	557.7	560.7	569.5	581.3	581.3
30°	664.8	660.8	652.0	638.3	625.5	618.6	620.6	625.5	638.3	652.0	651.0
32.5°	741.4	734.5	724.7	709.0	690.3	680.5	683.4	697.2	709.9	724.7	726.6
35°	822.9	821.9	806.2	785.5	762.0	746.3	752.2	770.8	790.5	811.1	814.0
37.5°	906.3	909.3	890.6	868.0	833.7	815.0	827.8	854.3	878.8	901.4	903.4
40°	1008.4	1005.5	986.8	953.5	912.2	891.6	902.4	939.7	971.1	999.6	1001.6
42.5°	1113.5	1105.7	1089.9	1049.7	994.7	976.0	991.7	1034.0	1076.2	1099.8	1100.7
45°	1212.7	1215.6	1198.0	1149.8	1089.0	1060.5	1083.1	1133.1	1182.2	1207.8	1210.7
47.5°	1337.4	1329.5	1313.8	1252.0	1183.2	1154.7	1180.3	1241.2	1295.2	1318.7	1317.7
50°	1459.1	1454.2	1431.7	1366.8	1289.3	1254.9	1280.4	1355.1	1414.0	1434.6	1439.5
52.5°	1575.0	1573.1	1553.4	1481.7	1398.3	1356.0	1391.4	1469.0	1536.7	1557.3	1559.3
55°	1693.8	1687.9	1673.2	1598.6	1503.3	1456.2	1500.4	1586.8	1656.5	1676.2	1677.1
57.5°	1799.9	1803.8	1792.0	1713.5	1603.5	1558.3	1607.4	1703.6	1774.3	1793.0	1795.9
60°	1905.9	1906.9	1898.1	1821.5	1704.6	1653.6	1710.5	1810.7	1886.3	1903.0	1904.0
62.5°	1989.4	1991.4	1984.5	1901.0	1784.2	1735.1	1797.9	1902.0	1979.6	1991.4	1990.4
65°	2040.4	2046.3	2042.4	1966.8	1842.1	1796.9	1862.7	1971.7	2042.4	2049.3	2046.3
67.5°	2046.3	2053.2	2059.1	1990.4	1871.6	1823.4	1893.2	1997.2	2064.0	2067.0	2058.1
70°	2003.1	2010.0	2023.8	1966.8	1856.8	1816.6	1883.3	1976.6	2032.6	2028.7	2018.8
72.5°	1892.2	1906.9	1927.5	1889.2	1796.9	1763.5	1829.3	1904.0	1942.3	1927.5	1913.8
75°	1733.1	1747.8	1787.1	1765.5	1694.8	1676.2	1725.2	1781.2	1792.0	1770.4	1751.8
77.5°	1539.7	1558.3	1594.7	1611.3	1564.2	1545.6	1586.8	1616.3	1604.5	1557.3	1543.6
80°	1313.8	1343.3	1381.6	1408.1	1396.3	1390.4	1411.0	1408.1	1364.9	1327.6	1304.0
82.5°	1107.6	1113.5	1172.4	1205.8	1209.7	1211.7	1217.6	1182.2	1132.2	1082.1	1060.5
85°	905.3	907.3	956.4	1004.5	1023.2	1029.1	1018.3	971.1	919.1	863.1	848.4
87.5°	725.6	728.6	771.8	820.9	853.3	857.2	836.6	790.5	725.6	675.6	662.8
90°	573.4	583.3	626.5	666.7	701.1	707.0	677.5	628.4	568.5	520.4	512.6
92.5°	458.6	463.5	502.7	540.1	572.5	573.4	552.8	502.7	449.7	406.5	396.7
95°	368.2	372.2	403.6	437.9	464.5	470.3	446.8	402.6	353.5	316.2	314.2
97.5°	293.6	298.5	323.1	359.4	379.0	383.0	367.2	326.0	280.8	247.4	247.4
100°	235.7	238.6	260.2	290.7	311.3	315.2	299.5	263.2	223.9	194.4	192.5
102.5°	191.5	193.4	211.1	238.6	257.3	261.2	247.4	218.0	179.7	156.1	155.1
105°	157.1	158.1	171.8	197.4	215.0	218.0	205.2	179.7	145.3	125.7	124.7
107.5°	128.6	129.6	140.4	164.0	180.7	183.6	172.8	147.3	117.8	104.1	102.1
110°	108.0	109.0	116.8	135.5	152.2	156.1	145.3	122.7	97.2	85.4	85.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	91.3	92.3	98.2	113.9	128.6	133.5	122.7	102.1	81.5	72.7	71.7
115°	77.6	78.6	82.5	96.2	108.0	111.9	104.1	85.4	68.7	61.9	61.9
117.5°	67.8	68.7	70.7	81.5	92.3	95.2	87.4	71.7	57.9	54.0	54.0
120°	59.9	59.9	60.9	68.7	77.6	80.5	73.6	60.9	50.1	47.1	47.1
122.5°	52.0	52.0	53.0	58.9	65.8	67.8	61.9	51.1	43.2	42.2	41.2
125°	46.2	46.2	46.2	50.1	56.0	57.0	52.0	43.2	38.3	37.3	37.3
127.5°	40.3	40.3	40.3	42.2	46.2	47.1	43.2	36.3	33.4	32.4	32.4
130°	35.3	35.3	35.3	36.3	38.3	39.3	35.3	31.4	29.5	29.5	29.5
132.5°	31.4	31.4	30.4	30.4	31.4	31.4	29.5	26.5	25.5	25.5	25.5
135°	27.5	27.5	26.5	25.5	25.5	24.5	22.6	21.6	22.6	22.6	22.6
137.5°	23.6	23.6	22.6	21.6	20.6	19.6	18.7	17.7	18.7	19.6	19.6
140°	19.6	19.6	18.7	16.7	15.7	14.7	13.7	14.7	15.7	16.7	16.7
142.5°	15.7	15.7	15.7	13.7	11.8	10.8	10.8	11.8	12.8	13.7	13.7
145°	12.8	12.8	11.8	10.8	8.8	7.9	7.9	8.8	10.8	10.8	10.8
147.5°	9.8	9.8	8.8	7.9	5.9	4.9	5.9	6.9	7.9	8.8	8.8
150°	6.9	6.9	6.9	5.9	3.9	3.9	3.9	4.9	5.9	5.9	5.9
152.5°	3.9	3.9	3.9	3.9	2.9	2.0	2.9	3.9	3.9	3.9	3.9
155°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.9	2.9	2.9	2.9
157.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	1.0	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
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)