

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: P416220

Luminaire Tested: **LXF.LXT-PA1-70-727-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416220  
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-PA1-70-727-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA 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: 6990 lumens  
Efficiency: N/A  
Efficacy: 94.5 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): 74  
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

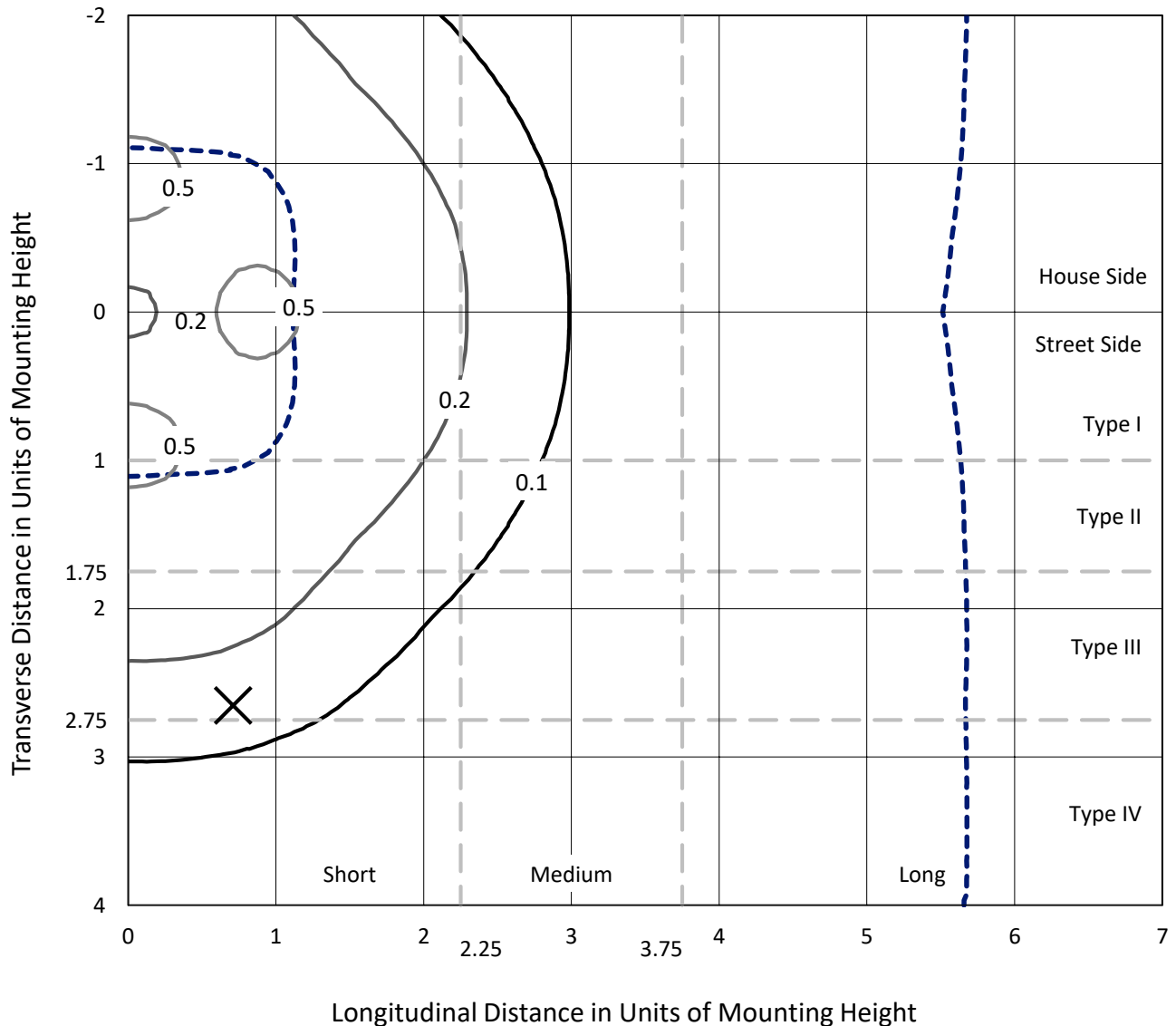


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### Iso-Footcandle Lines of Horizontal Illumination

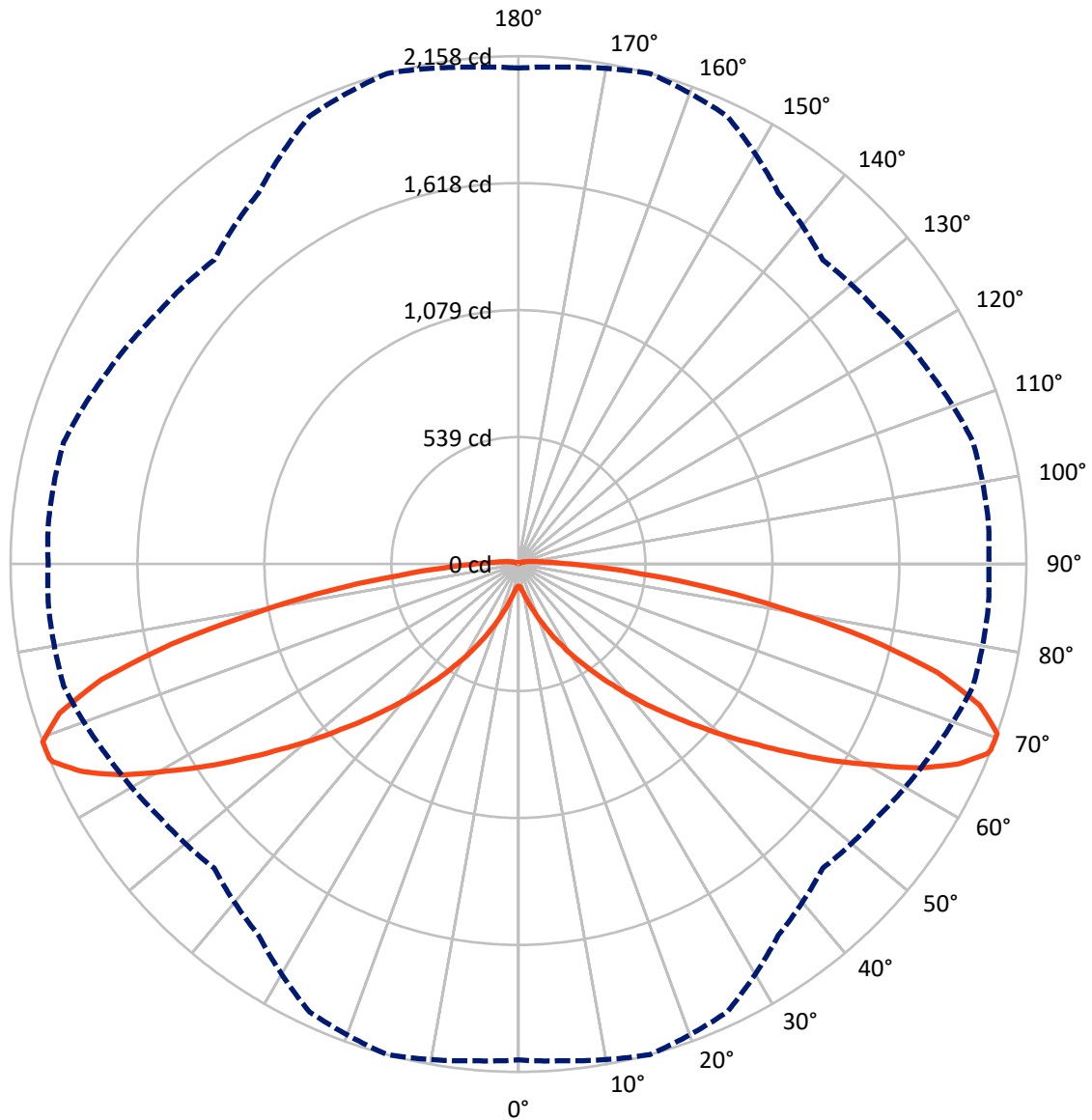
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	3371.9	123.1	3495.0
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	3371.9	123.1	3495.0
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	6743.8	246.2	6990.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.5	0.1
10°-20°	50.5	0.7
20°-30°	151.8	2.2
30°-40°	349.0	5.0
40°-50°	671.2	9.6
50°-60°	1186.7	17.0
60°-70°	1839.1	26.3
70°-80°	1784.8	25.5
80°-90°	700.1	10.0
90°-100°	150.7	2.2
100°-110°	51.5	0.7
110°-120°	22.6	0.3
120°-130°	11.4	0.2
130°-140°	6.2	0.1
140°-150°	2.9	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6743.8	96.5
0°-180°	6990.0	100.0



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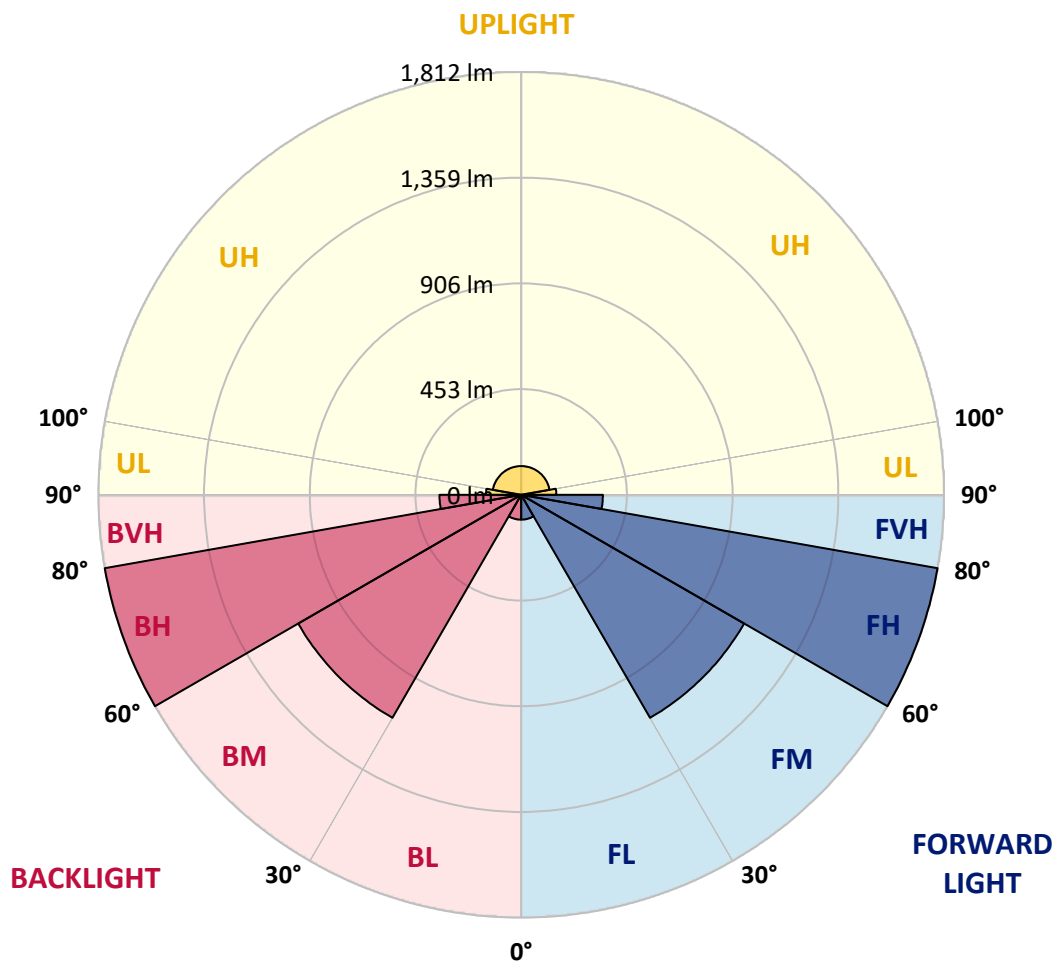
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.4	1.5			
FM (30°-60°)	1103.5	15.8			
FH (60°-80°)	1812.0	25.9			G2/5000
FVH (80°-90°)	350.1	5.0			G3/500
BL (0°-30°)	106.4	1.5	B0/110		
BM (30°-60°)	1103.5	15.8	B2/2500		
BH (60°-80°)	1812.0	25.9	B3/2500		G2/5000
BVH (80°-90°)	350.1	5.0			G3/500
UL (90°-100°)	150.7	2.2		U3/500	
UH (100°-180°)	123.1	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°	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2.5°	95.6	95.6	95.6	96.4	96.4	97.2	96.4	95.6	95.6	94.9	94.9
5°	102.5	102.5	102.5	102.5	103.3	103.3	101.8	101.0	100.2	100.2	100.2
7.5°	113.2	113.2	114.0	113.2	113.2	112.5	110.9	109.4	109.4	108.6	108.6
10°	130.1	128.5	128.5	127.8	127.0	125.5	124.0	123.2	121.7	121.7	120.1
12.5°	153.0	152.3	150.0	147.7	144.6	142.3	140.8	140.0	140.0	140.0	141.6
15°	179.8	180.6	179.0	173.7	167.6	163.0	162.2	162.2	163.7	165.3	165.3
17.5°	215.0	213.5	209.6	203.5	195.9	191.3	188.2	190.5	194.3	196.6	198.2
20°	253.3	252.5	247.1	237.2	228.8	222.7	220.4	223.4	230.3	236.4	235.7
22.5°	297.6	296.9	288.5	275.4	264.0	257.1	254.8	260.9	275.4	283.1	284.6
25°	348.1	345.8	338.2	320.6	304.5	293.8	295.3	306.1	325.2	340.5	339.7
27.5°	405.5	402.5	387.9	368.0	346.6	335.9	339.0	356.6	382.6	400.2	402.5
30°	468.3	463.7	448.4	419.3	394.8	379.5	387.2	411.6	444.5	469.8	472.9
32.5°	528.7	534.1	508.1	479.0	445.3	425.4	435.4	469.0	509.6	544.8	547.8
35°	605.2	600.6	578.4	540.2	498.9	478.2	491.2	532.5	578.4	619.8	621.3
37.5°	687.1	682.5	653.4	606.8	558.6	534.1	550.9	595.3	654.2	695.5	704.7
40°	775.1	765.9	739.1	681.7	622.8	597.6	613.6	669.5	733.0	778.1	784.3
42.5°	861.5	856.2	828.6	762.8	695.5	663.4	687.1	742.2	815.6	860.0	867.7
45°	955.7	954.9	925.1	853.1	777.4	741.4	765.9	827.1	897.5	948.8	953.4
47.5°	1055.1	1055.9	1029.9	958.0	866.1	825.6	849.3	918.2	1000.8	1046.7	1051.3
50°	1173.0	1168.4	1150.8	1066.6	970.2	924.3	954.9	1026.8	1103.3	1152.3	1156.9
52.5°	1296.9	1296.9	1276.2	1199.0	1086.5	1039.1	1065.1	1138.5	1224.2	1268.6	1277.8
55°	1434.6	1428.5	1420.1	1335.9	1221.2	1166.1	1192.1	1275.5	1354.3	1392.6	1393.3
57.5°	1583.8	1577.7	1576.2	1500.4	1369.6	1297.7	1327.5	1406.3	1495.8	1521.1	1528.7
60°	1728.4	1739.2	1733.0	1666.5	1518.8	1437.7	1471.4	1554.0	1640.5	1663.4	1671.1
62.5°	1886.1	1891.4	1908.3	1827.1	1668.0	1581.5	1615.2	1688.7	1776.6	1795.8	1798.8
65°	2022.3	2027.6	2049.8	1973.3	1792.7	1701.7	1739.9	1817.2	1905.2	1922.0	1912.1
67.5°	2103.4	2115.6	2149.3	2076.6	1890.7	1790.4	1829.4	1902.1	1978.6	1993.9	1980.9
68°	2115.6	2125.6	2156.9	2091.1	1902.9	1801.1	1842.5	1914.4	1992.4	2004.7	1994.7
70°	2107.2	2118.7	2157.7	2099.5	1925.1	1827.9	1866.9	1928.1	2000.1	2004.7	1997.8
72.5°	1990.9	2011.5	2049.8	2029.1	1887.6	1799.6	1832.5	1870.0	1919.7	1919.0	1910.5
75°	1768.2	1759.1	1837.9	1847.8	1754.5	1704.0	1720.0	1720.8	1730.7	1717.0	1689.4
77.5°	1414.0	1435.4	1511.9	1578.5	1547.1	1527.2	1530.3	1485.1	1465.2	1406.3	1388.0
80°	1031.4	1048.2	1130.1	1231.1	1276.2	1299.2	1273.2	1188.3	1118.6	1058.2	1037.5
82.5°	703.9	710.0	806.5	903.6	993.9	1021.5	998.5	883.0	786.6	722.3	694.0
85°	433.1	443.0	511.9	608.3	714.6	777.4	723.8	608.3	511.1	460.6	449.1
87.5°	254.8	270.1	316.0	388.7	490.5	544.0	501.9	401.7	323.7	286.9	273.2
90°	159.1	168.3	197.4	250.2	329.0	368.0	339.7	260.9	208.9	177.5	167.6
92.5°	110.9	114.0	133.9	167.6	224.2	251.0	227.2	179.0	143.1	119.4	115.5
95°	82.6	84.9	97.2	118.6	154.6	175.2	159.1	126.2	101.8	85.7	83.4
97.5°	65.0	66.6	76.5	90.3	113.2	127.8	117.8	96.4	78.8	65.8	63.5
100°	50.5	52.0	61.2	71.9	88.8	96.4	90.3	75.7	62.0	50.5	49.0
102.5°	39.8	40.6	49.0	58.9	71.2	76.5	71.9	61.2	49.0	39.0	38.3
105°	31.4	32.1	39.8	49.0	58.9	62.7	59.7	50.5	39.0	29.8	29.1
107.5°	24.5	25.2	31.4	40.6	49.0	52.0	49.0	41.3	30.6	23.7	23.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	19.9	19.9	26.0	33.7	41.3	43.6	41.3	33.7	24.5	19.1	18.4
112.5°	16.8	16.8	21.4	28.3	34.4	37.5	34.4	27.5	19.9	15.3	15.3
115°	13.8	14.5	17.6	23.7	29.1	31.4	29.1	23.0	16.8	13.0	13.0
117.5°	12.2	13.0	15.3	19.9	25.2	26.8	24.5	19.1	13.8	11.5	11.5
120°	11.5	11.5	13.0	16.8	21.4	23.0	20.7	16.8	12.2	10.7	10.7
122.5°	10.7	10.7	11.5	14.5	18.4	19.9	17.6	13.8	10.7	9.9	9.2
125°	9.9	9.9	10.7	13.0	16.1	16.8	15.3	12.2	9.2	8.4	8.4
127.5°	9.2	9.2	9.9	11.5	13.8	14.5	13.8	10.7	8.4	8.4	8.4
130°	8.4	8.4	9.2	9.9	12.2	13.0	11.5	9.2	7.7	7.7	7.7
132.5°	7.7	7.7	7.7	9.2	10.7	10.7	9.9	8.4	7.7	6.9	6.9
135°	7.7	7.7	7.7	7.7	9.2	9.9	8.4	7.7	6.9	6.9	6.9
137.5°	6.9	6.9	6.9	6.9	7.7	8.4	7.7	6.9	6.1	6.1	6.1
140°	6.1	6.1	6.1	6.1	6.9	6.9	6.9	5.4	5.4	5.4	5.4
142.5°	5.4	5.4	5.4	5.4	5.4	6.1	5.4	4.6	4.6	4.6	4.6
145°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
155°	1.5	1.5	1.5	1.5	2.3	1.5	2.3	1.5	1.5	1.5	1.5
157.5°	0.8	0.8	1.5	1.5	1.5	2.3	1.5	1.5	0.8	0.8	0.8
160°	0.0	0.8	0.8	0.8	1.5	1.5	1.5	0.8	0.8	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)