

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: P417104

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417104  
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-PA1-90-730-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 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: 8971 lumens  
Efficiency: N/A  
Efficacy: 95.4 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

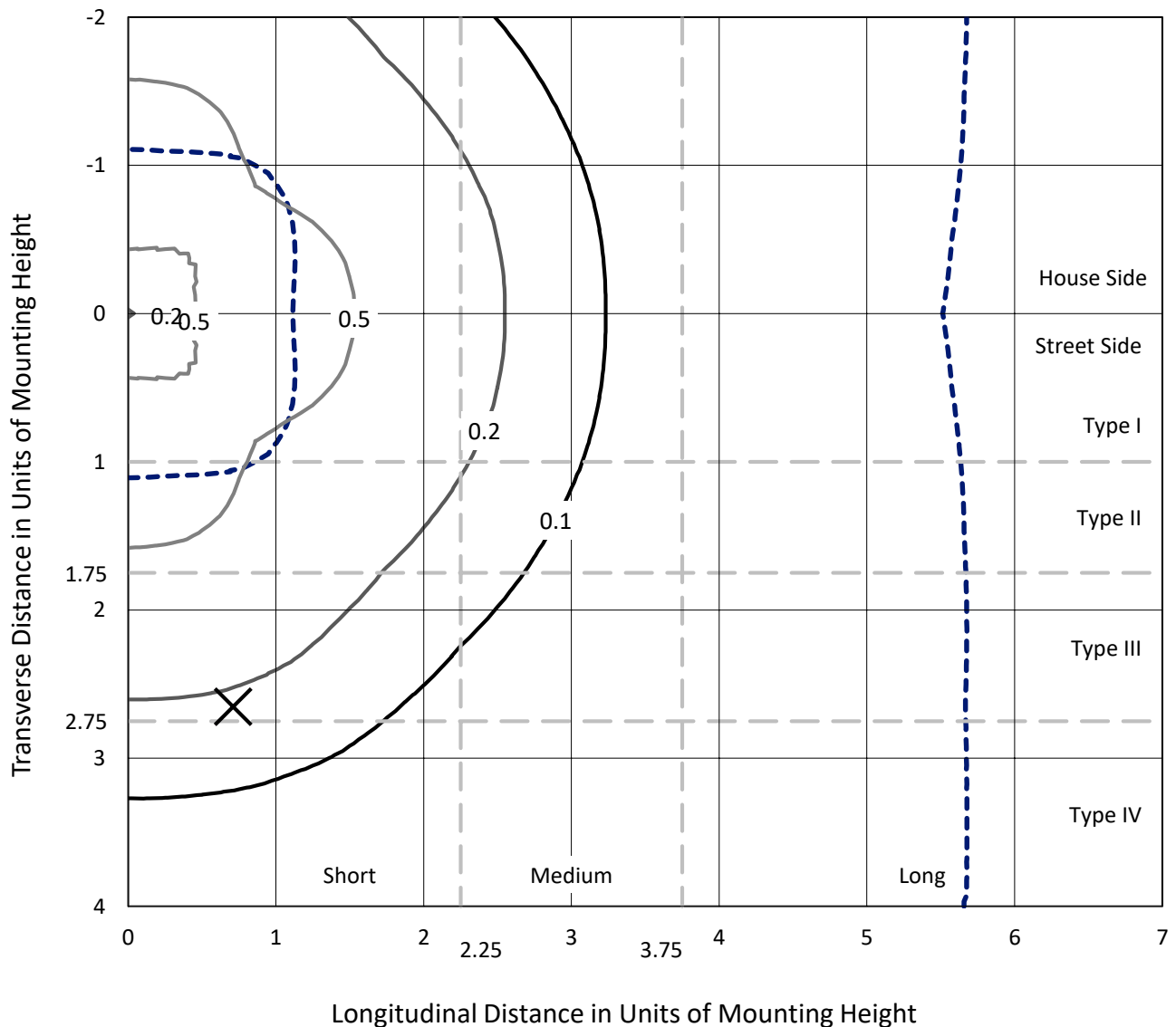


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### Iso-Footcandle Lines of Horizontal Illumination

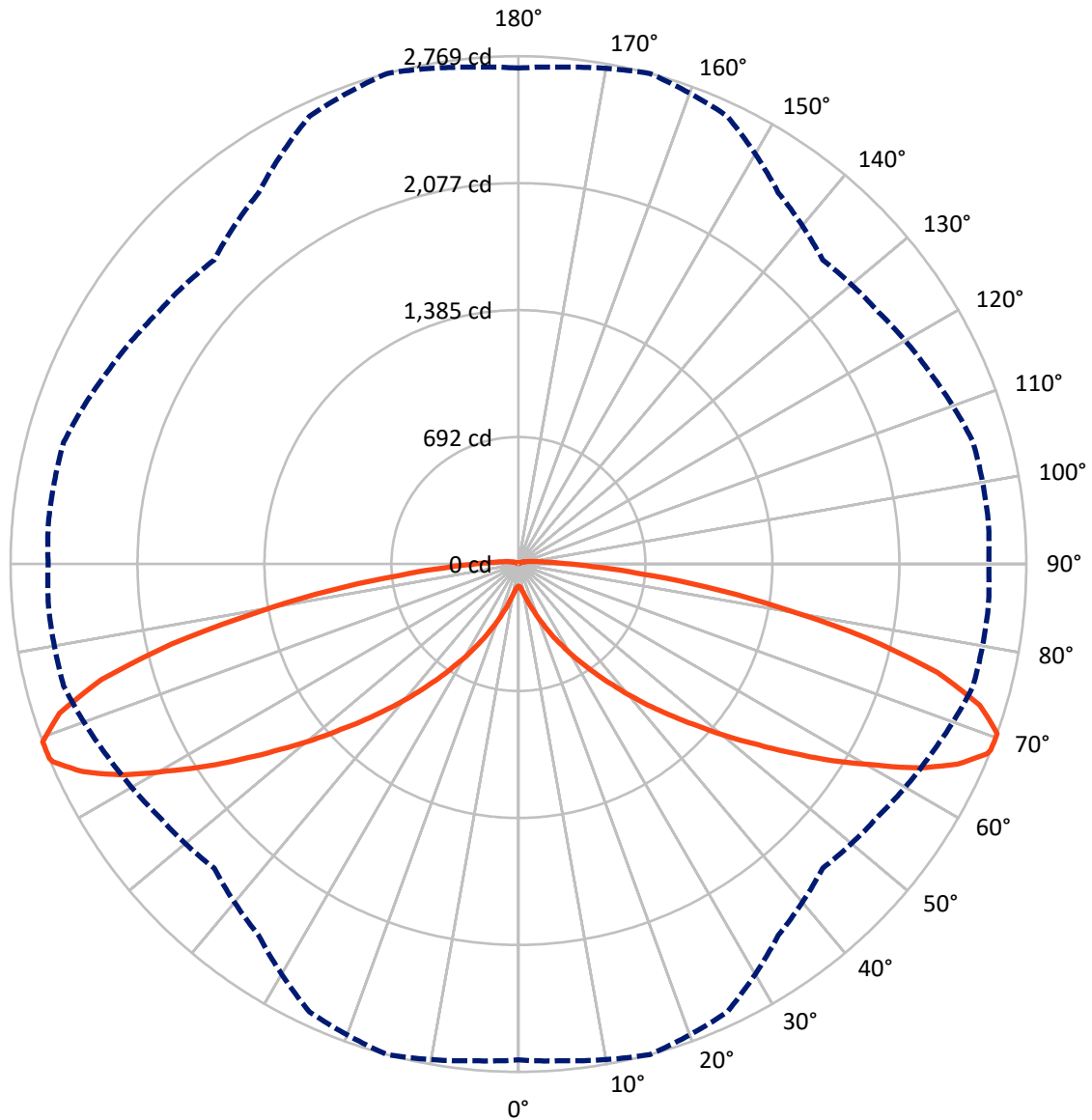
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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
<b>House Side</b>	Lumens	4327.5	158.0	4485.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	4327.5	158.0	4485.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	8655.1	315.9	8971.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.1
10°-20°	64.8	0.7
20°-30°	194.9	2.2
30°-40°	448.0	5.0
40°-50°	861.4	9.6
50°-60°	1523.1	17.0
60°-70°	2360.3	26.3
70°-80°	2290.7	25.5
80°-90°	898.5	10.0
90°-100°	193.3	2.2
100°-110°	66.0	0.7
110°-120°	29.0	0.3
120°-130°	14.7	0.2
130°-140°	7.9	0.1
140°-150°	3.7	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8655.1	96.5
0°-180°	8971.0	100.0

**Coefficient of Utilization**



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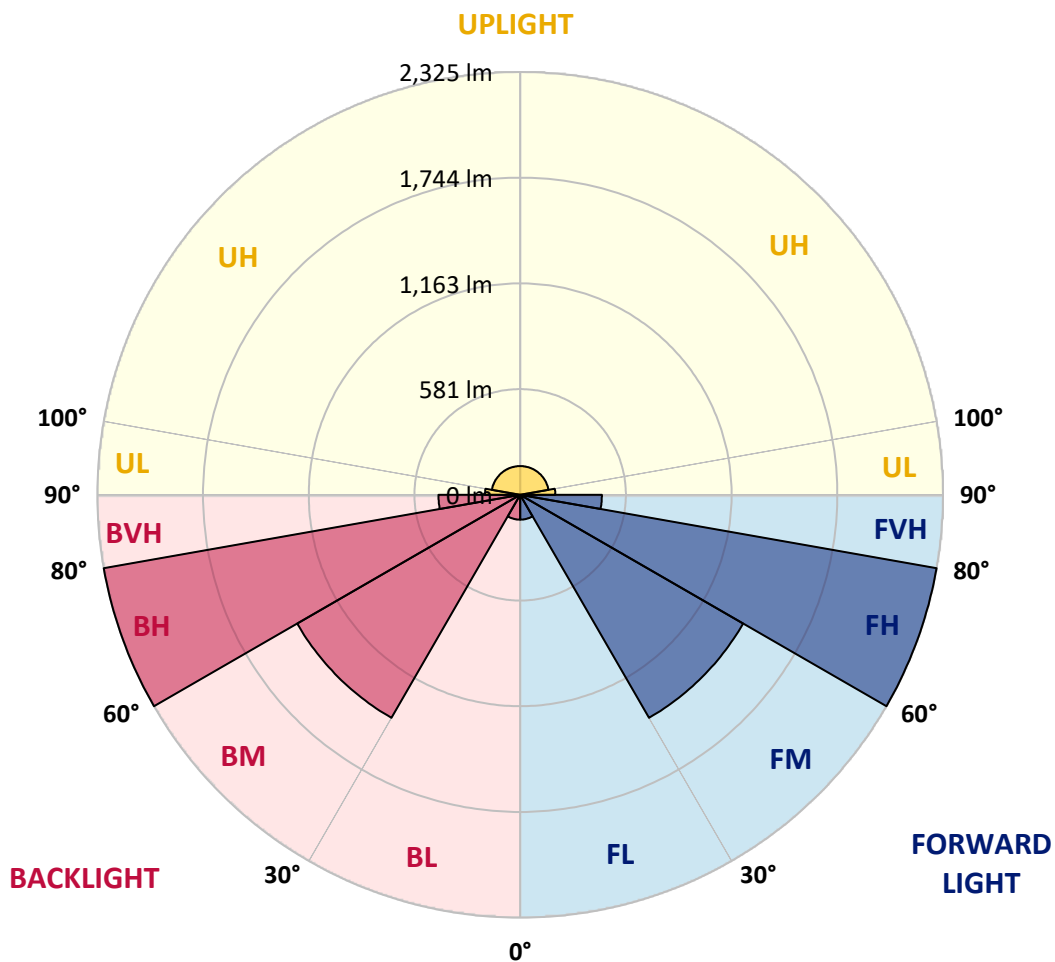
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	136.5	1.5			
FM	(30°-60°)	1416.2	15.8			
FH	(60°-80°)	2325.5	25.9			G2/5000
FVH	(80°-90°)	449.3	5.0			G3/500
BL	(0°-30°)	136.5	1.5	B1/500		
BM	(30°-60°)	1416.2	15.8	B2/2500		
BH	(60°-80°)	2325.5	25.9	B3/2500		G2/5000
BVH	(80°-90°)	449.3	5.0			G3/500
UL	(90°-100°)	193.3	2.2		U3/500	
UH	(100°-180°)	158.0	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°	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8
2.5°	122.7	122.7	122.7	123.7	123.7	124.7	123.7	122.7	122.7	121.8	121.8
5°	131.6	131.6	131.6	131.6	132.6	132.6	130.6	129.6	128.6	128.6	128.6
7.5°	145.3	145.3	146.3	145.3	145.3	144.4	142.4	140.4	140.4	139.4	139.4
10°	166.9	165.0	165.0	164.0	163.0	161.0	159.1	158.1	156.1	156.1	154.2
12.5°	196.4	195.4	192.5	189.5	185.6	182.6	180.7	179.7	179.7	179.7	181.7
15°	230.8	231.7	229.8	222.9	215.1	209.2	208.2	208.2	210.1	212.1	212.1
17.5°	275.9	274.0	269.1	261.2	251.4	245.5	241.6	244.5	249.4	252.4	254.3
20°	325.0	324.1	317.2	304.4	293.6	285.8	282.8	286.7	295.6	303.4	302.5
22.5°	382.0	381.0	370.2	353.5	338.8	329.9	327.0	334.9	353.5	363.3	365.3
25°	446.8	443.9	434.0	411.5	390.8	377.1	379.0	392.8	417.3	437.0	436.0
27.5°	520.5	516.5	497.9	472.3	444.8	431.1	435.0	457.6	491.0	513.6	516.5
30°	601.0	595.1	575.4	538.1	506.7	487.1	496.9	528.3	570.5	602.9	606.9
32.5°	678.5	685.4	652.0	614.7	571.5	546.0	558.7	602.0	654.0	699.2	703.1
35°	776.7	770.9	742.4	693.3	640.3	613.7	630.4	683.5	742.4	795.4	797.4
37.5°	881.8	875.9	838.6	778.7	716.8	685.4	707.0	764.0	839.6	892.6	904.4
40°	994.7	983.0	948.6	874.9	799.3	766.9	787.5	859.2	940.7	998.7	1006.5
42.5°	1105.7	1098.8	1063.5	979.0	892.6	851.4	881.8	952.5	1046.8	1103.7	1113.6
45°	1226.5	1225.5	1187.2	1094.9	997.7	951.5	983.0	1061.5	1151.9	1217.7	1223.5
47.5°	1354.2	1355.1	1321.7	1229.4	1111.6	1059.6	1090.0	1178.4	1284.4	1343.4	1349.2
50°	1505.4	1499.5	1476.9	1368.9	1245.2	1186.2	1225.5	1317.8	1416.0	1478.9	1484.8
52.5°	1664.5	1664.5	1637.9	1538.8	1394.4	1333.5	1366.9	1461.2	1571.2	1628.1	1639.9
55°	1841.2	1833.4	1822.6	1714.5	1567.2	1496.5	1529.9	1637.0	1738.1	1787.2	1788.2
57.5°	2032.7	2024.8	2022.9	1925.7	1757.7	1665.4	1703.7	1804.9	1919.8	1952.2	1962.0
60°	2218.3	2232.0	2224.2	2138.8	1949.2	1845.1	1888.4	1994.4	2105.4	2134.8	2144.6
62.5°	2420.6	2427.5	2449.1	2345.0	2140.7	2029.8	2073.0	2167.2	2280.2	2304.7	2308.6
65°	2595.4	2602.3	2630.7	2532.5	2300.8	2183.9	2233.0	2332.2	2445.1	2466.7	2454.0
67.5°	2699.5	2715.2	2758.4	2665.1	2426.5	2297.8	2347.9	2441.2	2539.4	2559.0	2542.4
68°	2715.2	2727.9	2768.2	2683.8	2442.2	2311.6	2364.6	2456.9	2557.1	2572.8	2560.0
70°	2704.4	2719.1	2769.2	2694.6	2470.7	2346.0	2396.0	2474.6	2566.9	2572.8	2564.0
72.5°	2555.1	2581.6	2630.7	2604.2	2422.5	2309.6	2351.8	2400.0	2463.8	2462.8	2452.0
75°	2269.4	2257.6	2358.7	2371.5	2251.7	2186.9	2207.5	2208.5	2221.2	2203.6	2168.2
77.5°	1814.7	1842.2	1940.4	2025.8	1985.6	1960.0	1964.0	1906.0	1880.5	1804.9	1781.3
80°	1323.7	1345.3	1450.4	1580.0	1637.9	1667.4	1634.0	1525.0	1435.7	1358.1	1331.6
82.5°	903.4	911.3	1035.0	1159.7	1275.6	1310.9	1281.5	1133.2	1009.5	927.0	890.7
85°	555.8	568.6	656.9	780.7	917.2	997.7	929.0	780.7	656.0	591.2	576.4
87.5°	327.0	346.6	405.6	498.8	629.5	698.2	644.2	515.5	415.4	368.2	350.6
90°	204.3	216.0	253.4	321.1	422.3	472.3	436.0	334.9	268.1	227.8	215.1
92.5°	142.4	146.3	171.8	215.1	287.7	322.1	291.6	229.8	183.6	153.2	148.3
95°	106.1	109.0	124.7	152.2	198.4	224.9	204.3	162.0	130.6	110.0	107.0
97.5°	83.5	85.4	98.2	115.9	145.3	164.0	151.2	123.7	101.1	84.5	81.5
100°	64.8	66.8	78.6	92.3	113.9	123.7	115.9	97.2	79.5	64.8	62.8
102.5°	51.1	52.0	62.8	75.6	91.3	98.2	92.3	78.6	62.8	50.1	49.1
105°	40.3	41.2	51.1	62.8	75.6	80.5	76.6	64.8	50.1	38.3	37.3
107.5°	31.4	32.4	40.3	52.0	62.8	66.8	62.8	53.0	39.3	30.4	29.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	25.5	25.5	33.4	43.2	53.0	56.0	53.0	43.2	31.4	24.5	23.6
112.5°	21.6	21.6	27.5	36.3	44.2	48.1	44.2	35.4	25.5	19.6	19.6
115°	17.7	18.7	22.6	30.4	37.3	40.3	37.3	29.5	21.6	16.7	16.7
117.5°	15.7	16.7	19.6	25.5	32.4	34.4	31.4	24.5	17.7	14.7	14.7
120°	14.7	14.7	16.7	21.6	27.5	29.5	26.5	21.6	15.7	13.7	13.7
122.5°	13.7	13.7	14.7	18.7	23.6	25.5	22.6	17.7	13.7	12.8	11.8
125°	12.8	12.8	13.7	16.7	20.6	21.6	19.6	15.7	11.8	10.8	10.8
127.5°	11.8	11.8	12.8	14.7	17.7	18.7	17.7	13.7	10.8	10.8	10.8
130°	10.8	10.8	11.8	12.8	15.7	16.7	14.7	11.8	9.8	9.8	9.8
132.5°	9.8	9.8	9.8	11.8	13.7	13.7	12.8	10.8	9.8	8.8	8.8
135°	9.8	9.8	9.8	9.8	11.8	12.8	10.8	9.8	8.8	8.8	8.8
137.5°	8.8	8.8	8.8	8.8	9.8	10.8	9.8	8.8	7.9	7.9	7.9
140°	7.9	7.9	7.9	7.9	8.8	8.8	8.8	6.9	6.9	6.9	6.9
142.5°	6.9	6.9	6.9	6.9	6.9	7.9	6.9	5.9	5.9	5.9	5.9
145°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
147.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
155°	2.0	2.0	2.0	2.0	2.9	2.0	2.9	2.0	2.0	2.0	2.0
157.5°	1.0	1.0	2.0	2.0	2.0	2.9	2.0	2.0	1.0	1.0	1.0
160°	0.0	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	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)