

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: P415804

Luminaire Tested: **LXF.LXT-PA1-60-727-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415804  
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-PA1-60-727-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA 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: 6233 lumens  
Efficiency: N/A  
Efficacy: 97.4 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

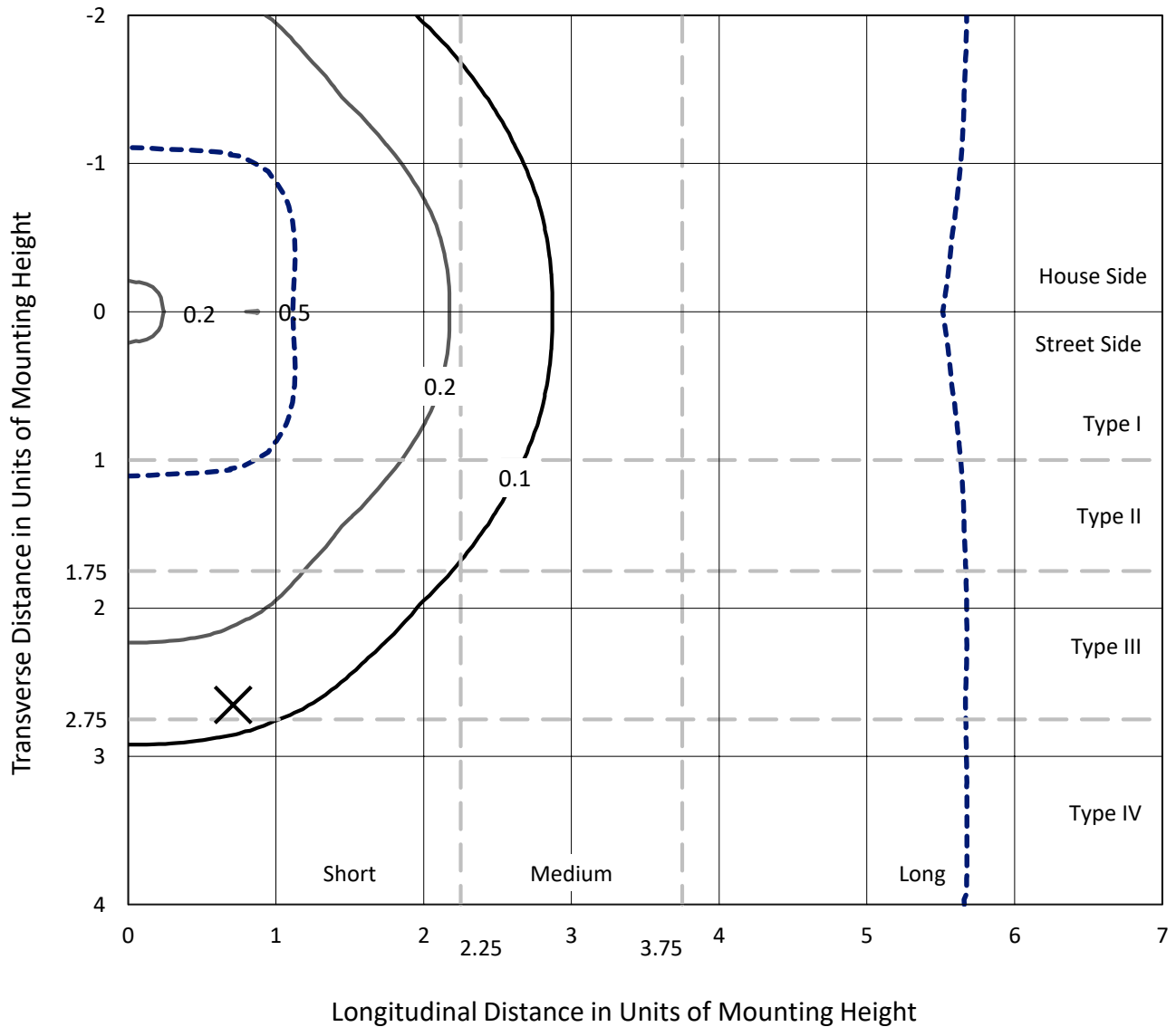
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

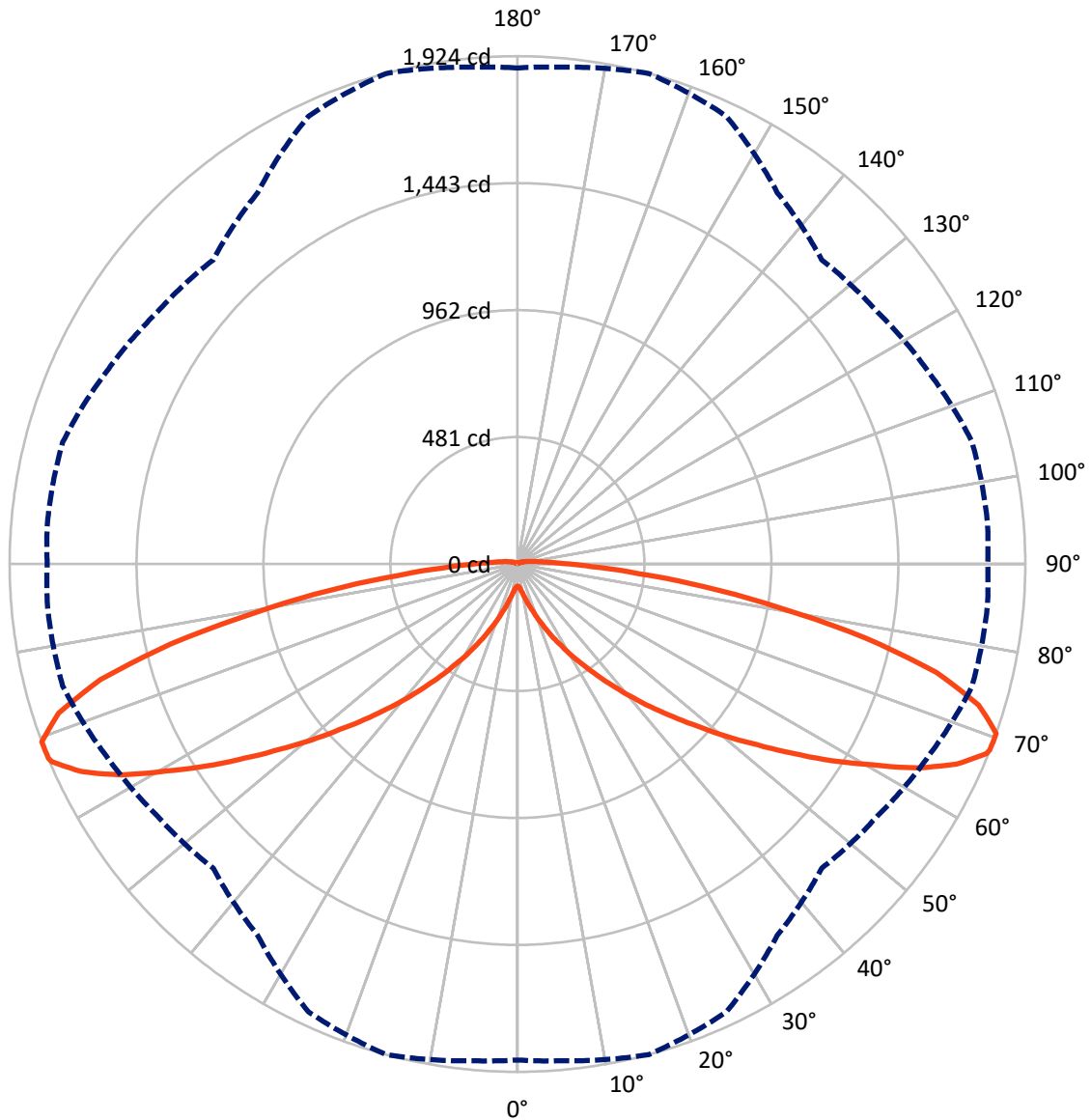
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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	3006.7	109.8	3116.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	3006.7	109.8	3116.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	6013.5	219.5	6233.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	45.0	0.7
20°-30°	135.4	2.2
30°-40°	311.2	5.0
40°-50°	598.5	9.6
50°-60°	1058.2	17.0
60°-70°	1639.9	26.3
70°-80°	1591.6	25.5
80°-90°	624.3	10.0
90°-100°	134.3	2.2
100°-110°	45.9	0.7
110°-120°	20.2	0.3
120°-130°	10.2	0.2
130°-140°	5.5	0.1
140°-150°	2.6	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6013.5	96.5
0°-180°	6233.0	100.0



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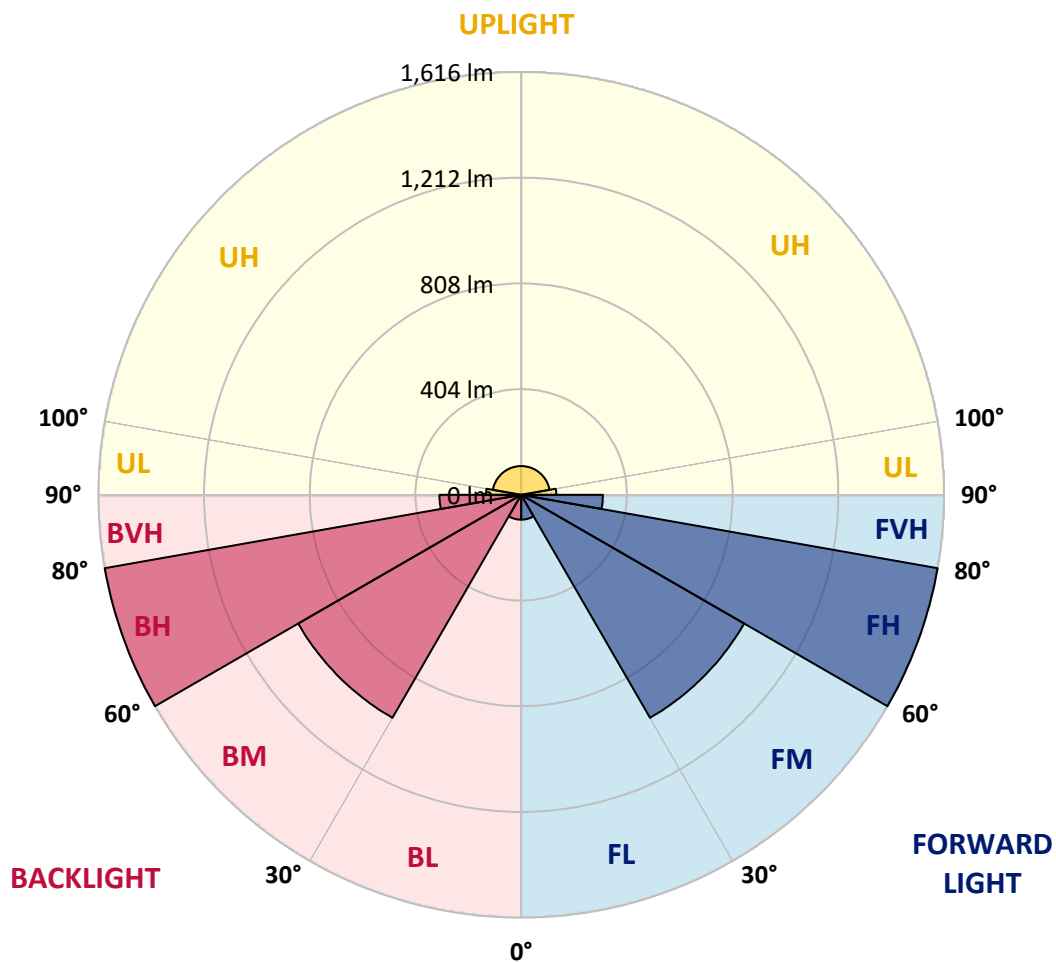
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.9	1.5			
FM (30°-60°)	984.0	15.8			
FH (60°-80°)	1615.7	25.9			G1/1800
FVH (80°-90°)	312.1	5.0			G3/500
BL (0°-30°)	94.9	1.5	B0/110		
BM (30°-60°)	984.0	15.8	B1/1000		
BH (60°-80°)	1615.7	25.9	B3/2500		G1/1800
BVH (80°-90°)	312.1	5.0			G3/500
UL (90°-100°)	134.3	2.2		U3/500	
UH (100°-180°)	109.8	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°	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2.5°	85.3	85.3	85.3	86.0	86.0	86.6	86.0	85.3	85.3	84.6	84.6
5°	91.4	91.4	91.4	91.4	92.1	92.1	90.7	90.1	89.4	89.4	89.4
7.5°	101.0	101.0	101.7	101.0	101.0	100.3	98.9	97.6	97.6	96.9	96.9
10°	116.0	114.6	114.6	113.9	113.3	111.9	110.5	109.8	108.5	108.5	107.1
12.5°	136.5	135.8	133.7	131.7	129.0	126.9	125.5	124.9	124.9	124.9	126.2
15°	160.3	161.0	159.7	154.9	149.4	145.3	144.6	144.6	146.0	147.4	147.4
17.5°	191.7	190.4	186.9	181.5	174.7	170.6	167.8	169.9	173.3	175.3	176.7
20°	225.8	225.2	220.4	211.5	204.0	198.5	196.5	199.2	205.4	210.8	210.1
22.5°	265.4	264.7	257.2	245.6	235.4	229.2	227.2	232.7	245.6	252.4	253.8
25°	310.4	308.4	301.6	285.9	271.5	262.0	263.4	272.9	290.0	303.6	302.9
27.5°	361.6	358.9	345.9	328.2	309.1	299.5	302.2	317.9	341.1	356.8	358.9
30°	417.6	413.5	399.8	373.9	352.1	338.4	345.2	367.1	396.4	418.9	421.6
32.5°	471.5	476.2	453.0	427.1	397.1	379.3	388.2	418.2	454.4	485.8	488.5
35°	539.7	535.6	515.8	481.7	444.8	426.4	438.0	474.9	515.8	552.6	554.0
37.5°	612.7	608.6	582.7	541.0	498.1	476.2	491.2	530.8	583.3	620.2	628.4
40°	691.1	683.0	659.1	607.9	555.4	532.9	547.2	597.0	653.6	693.9	699.3
42.5°	768.2	763.5	738.9	680.2	620.2	591.5	612.7	661.8	727.3	766.9	773.7
45°	852.2	851.5	824.9	760.7	693.2	661.1	683.0	737.5	800.3	846.0	850.1
47.5°	940.9	941.5	918.3	854.2	772.3	736.2	757.3	818.7	892.4	933.4	937.4
50°	1045.9	1041.8	1026.1	951.1	865.1	824.2	851.5	915.6	983.8	1027.5	1031.6
52.5°	1156.5	1156.5	1138.0	1069.1	968.8	926.5	949.7	1015.2	1091.6	1131.2	1139.4
55°	1279.3	1273.8	1266.3	1191.3	1088.9	1039.8	1063.0	1137.4	1207.6	1241.7	1242.4
57.5°	1412.3	1406.9	1405.5	1337.9	1221.3	1157.1	1183.7	1254.0	1333.8	1356.4	1363.2
60°	1541.3	1550.8	1545.4	1486.0	1354.3	1282.0	1312.0	1385.7	1462.8	1483.3	1490.1
62.5°	1681.8	1686.6	1701.6	1629.3	1487.4	1410.3	1440.3	1505.8	1584.2	1601.3	1604.0
65°	1803.3	1808.0	1827.8	1759.6	1598.6	1517.4	1551.5	1620.4	1698.9	1713.9	1705.0
67.5°	1875.6	1886.5	1916.5	1851.7	1685.9	1596.5	1631.3	1696.1	1764.4	1778.0	1766.4
68°	1886.5	1895.4	1923.3	1864.7	1696.8	1606.1	1642.9	1707.1	1776.6	1787.6	1778.7
70°	1879.0	1889.2	1924.0	1872.2	1716.6	1630.0	1664.8	1719.3	1783.5	1787.6	1781.4
72.5°	1775.3	1793.7	1827.8	1809.4	1683.2	1604.7	1634.0	1667.5	1711.8	1711.1	1703.6
75°	1576.7	1568.6	1638.8	1647.7	1564.5	1519.4	1533.8	1534.4	1543.3	1531.0	1506.5
77.5°	1260.8	1279.9	1348.2	1407.5	1379.6	1361.8	1364.6	1324.3	1306.6	1254.0	1237.6
80°	919.7	934.7	1007.7	1097.8	1138.0	1158.5	1135.3	1059.6	997.5	943.6	925.2
82.5°	627.7	633.2	719.1	805.8	886.3	910.8	890.4	787.3	701.4	644.1	618.8
85°	386.2	395.0	456.4	542.4	637.2	693.2	645.4	542.4	455.8	410.7	400.5
87.5°	227.2	240.8	281.8	346.6	437.3	485.1	447.6	358.2	288.6	255.9	243.6
90°	141.9	150.1	176.0	223.1	293.4	328.2	302.9	232.7	186.3	158.3	149.4
92.5°	98.9	101.7	119.4	149.4	199.9	223.8	202.6	159.7	127.6	106.4	103.0
95°	73.7	75.7	86.6	105.8	137.8	156.2	141.9	112.6	90.7	76.4	74.4
97.5°	58.0	59.4	68.2	80.5	101.0	113.9	105.1	86.0	70.3	58.7	56.6
100°	45.0	46.4	54.6	64.1	79.1	86.0	80.5	67.5	55.3	45.0	43.7
102.5°	35.5	36.2	43.7	52.5	63.5	68.2	64.1	54.6	43.7	34.8	34.1
105°	28.0	28.7	35.5	43.7	52.5	55.9	53.2	45.0	34.8	26.6	25.9
107.5°	21.8	22.5	28.0	36.2	43.7	46.4	43.7	36.8	27.3	21.2	20.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	17.7	17.7	23.2	30.0	36.8	38.9	36.8	30.0	21.8	17.1	16.4
112.5°	15.0	15.0	19.1	25.2	30.7	33.4	30.7	24.6	17.7	13.6	13.6
115°	12.3	13.0	15.7	21.2	25.9	28.0	25.9	20.5	15.0	11.6	11.6
117.5°	10.9	11.6	13.6	17.7	22.5	23.9	21.8	17.1	12.3	10.2	10.2
120°	10.2	10.2	11.6	15.0	19.1	20.5	18.4	15.0	10.9	9.6	9.6
122.5°	9.6	9.6	10.2	13.0	16.4	17.7	15.7	12.3	9.6	8.9	8.2
125°	8.9	8.9	9.6	11.6	14.3	15.0	13.6	10.9	8.2	7.5	7.5
127.5°	8.2	8.2	8.9	10.2	12.3	13.0	12.3	9.6	7.5	7.5	7.5
130°	7.5	7.5	8.2	8.9	10.9	11.6	10.2	8.2	6.8	6.8	6.8
132.5°	6.8	6.8	6.8	8.2	9.6	9.6	8.9	7.5	6.8	6.1	6.1
135°	6.8	6.8	6.8	6.8	8.2	8.9	7.5	6.8	6.1	6.1	6.1
137.5°	6.1	6.1	6.1	6.1	6.8	7.5	6.8	6.1	5.5	5.5	5.5
140°	5.5	5.5	5.5	5.5	6.1	6.1	6.1	4.8	4.8	4.8	4.8
142.5°	4.8	4.8	4.8	4.8	4.8	5.5	4.8	4.1	4.1	4.1	4.1
145°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
155°	1.4	1.4	1.4	1.4	2.0	1.4	2.0	1.4	1.4	1.4	1.4
157.5°	0.7	0.7	1.4	1.4	1.4	2.0	1.4	1.4	0.7	0.7	0.7
160°	0.0	0.7	0.7	0.7	1.4	1.4	1.4	0.7	0.7	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)