

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: P416634

Luminaire Tested: **LXF.LXT-PA1-80-727-U-5WQ-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416634  
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-PA1-80-727-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA 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: 7501 lumens  
Efficiency: N/A  
Efficacy: 90.4 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 - G3

Input Watts (W): 83  
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

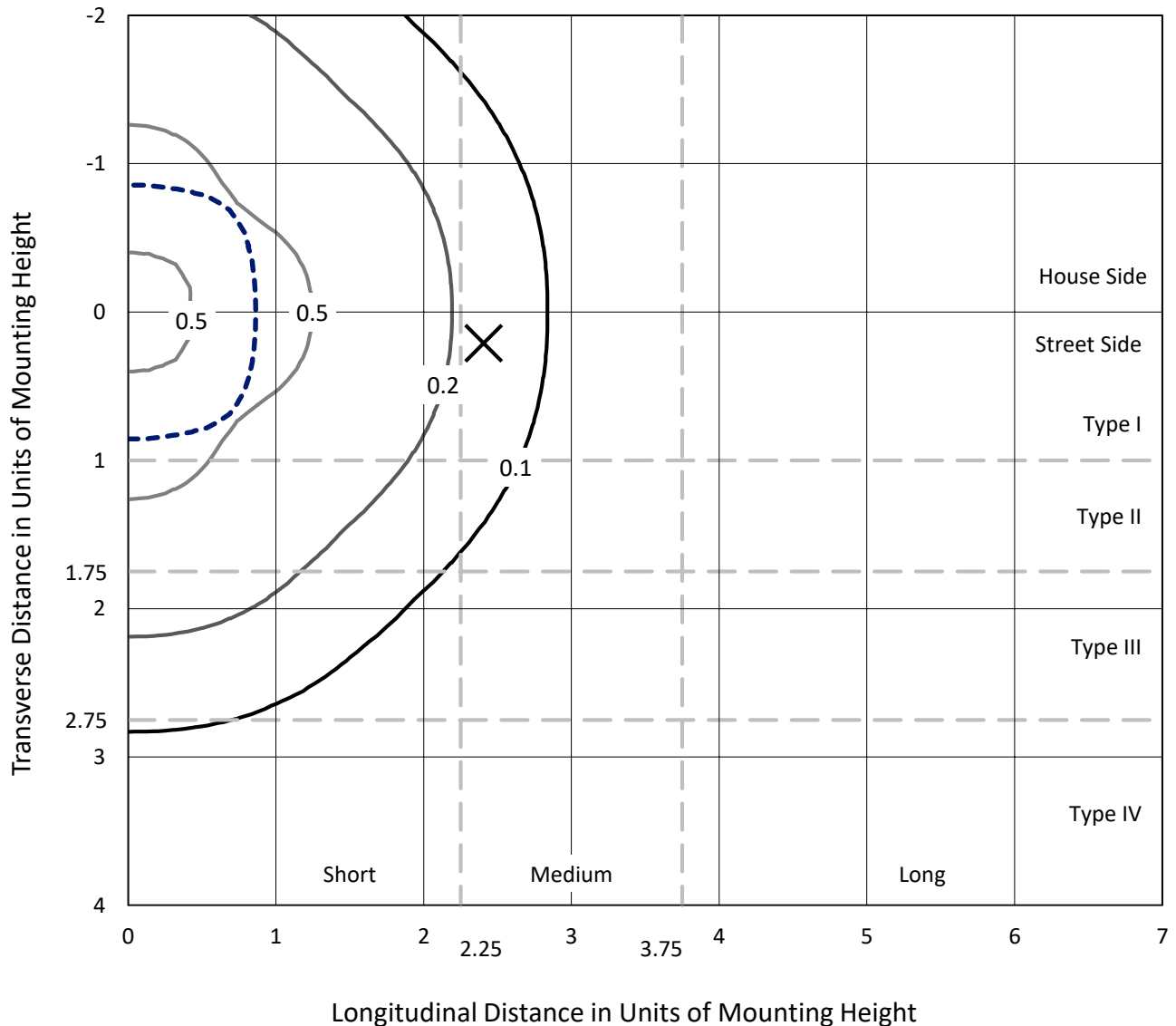


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

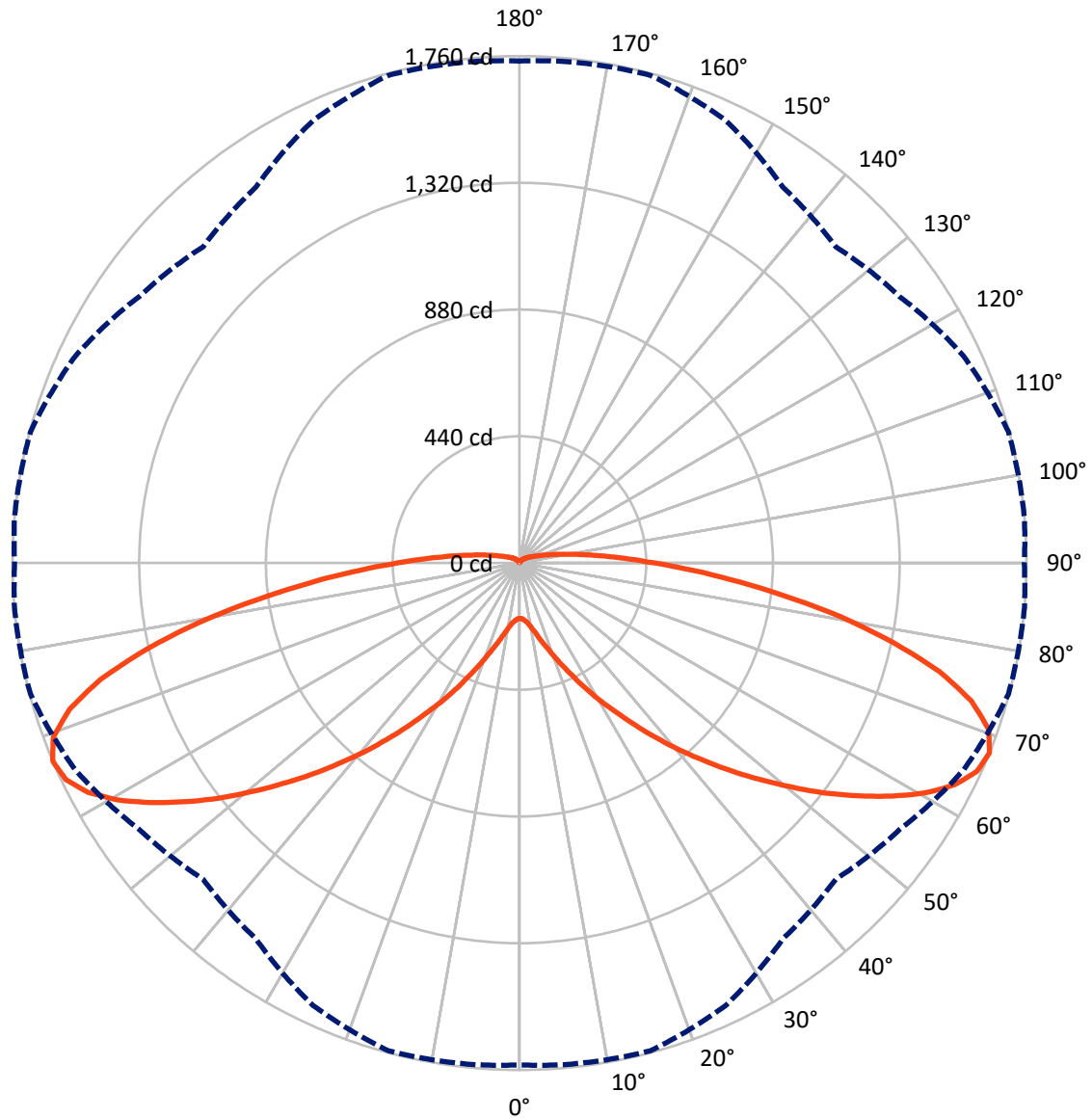


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Medium - Non-Cutoff

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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
<b>House Side</b>	Lumens	3401.4	349.1	3750.5
	% Fixture	45.3	4.7	50.0
<b>Street Side</b>	Lumens	3401.4	349.1	3750.5
	% Fixture	45.3	4.7	50.0
<b>Total</b>	Lumens	6802.7	698.3	7501.0
	% Fixture	90.7	9.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.0	0.3
10°-20°	81.5	1.1
20°-30°	206.2	2.7
30°-40°	424.3	5.7
40°-50°	762.9	10.2
50°-60°	1219.4	16.3
60°-70°	1631.6	21.8
70°-80°	1546.1	20.6
80°-90°	910.6	12.1
90°-100°	393.4	5.2
100°-110°	167.5	2.2
110°-120°	77.1	1.0
120°-130°	36.9	0.5
130°-140°	16.5	0.2
140°-150°	5.6	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6802.7	90.7
0°-180°	7501.0	100.0



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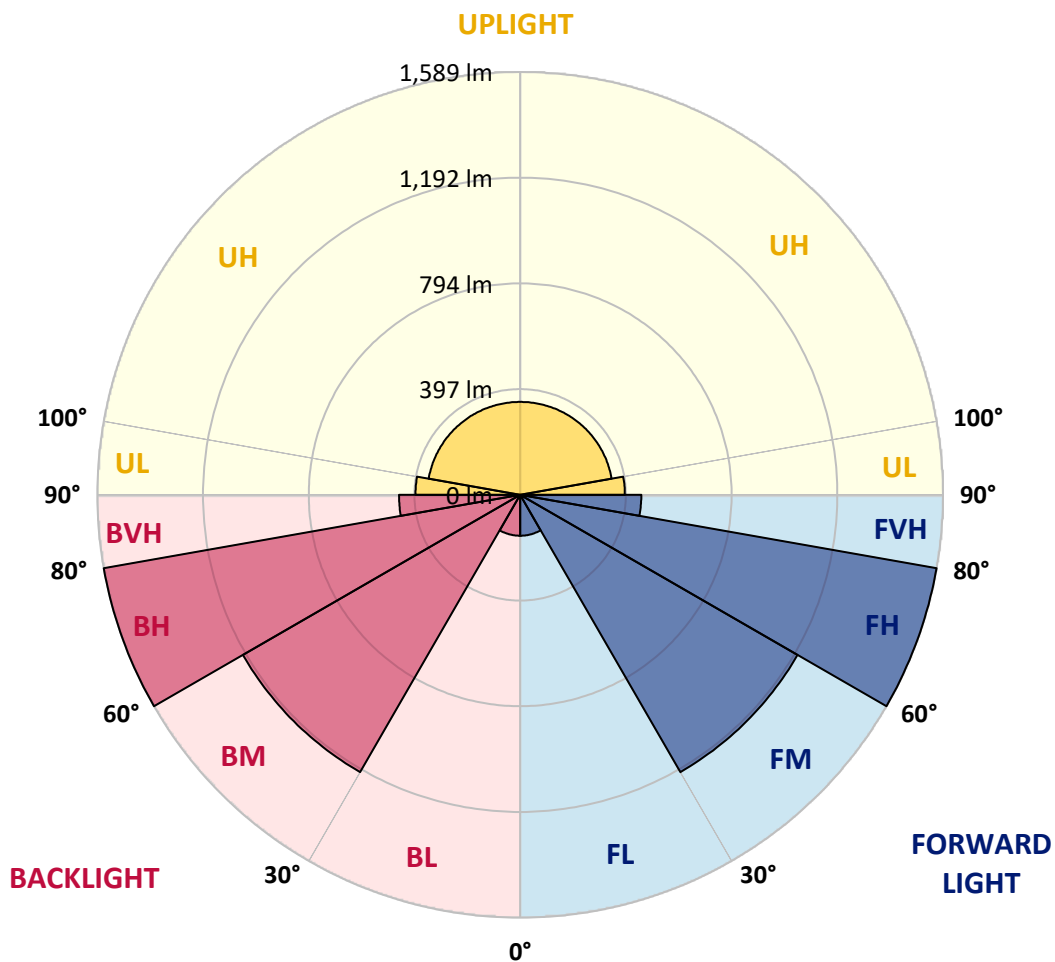
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.9	2.1			
FM (30°-60°)	1203.3	16.0			
FH (60°-80°)	1588.8	21.2			G1/1800
FVH (80°-90°)	455.3	6.1			G3/500
BL (0°-30°)	153.9	2.1	B1/500		
BM (30°-60°)	1203.3	16.0	B2/2500		
BH (60°-80°)	1588.8	21.2	B3/2500		G1/1800
BVH (80°-90°)	455.3	6.1			G3/500
UL (90°-100°)	393.4	5.2		U3/500	
UH (100°-180°)	349.1	4.7		U3/500	

**BUG Rating: B3-U3-G3**

Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4	192.4
2.5°	194.0	193.2	194.0	194.0	194.9	194.9	194.9	194.9	194.0	194.0	194.0
5°	200.7	200.7	200.7	200.7	201.6	201.6	201.6	200.7	200.7	200.7	200.7
7.5°	213.3	212.4	213.3	212.4	212.4	211.6	212.4	211.6	210.8	210.8	210.8
10°	229.2	229.2	229.2	228.3	228.3	228.3	226.6	226.6	226.6	227.5	226.6
12.5°	255.1	253.4	253.4	250.1	248.4	247.6	246.7	246.7	249.2	249.2	247.6
15°	285.2	284.3	284.3	280.2	276.8	271.8	272.6	276.0	276.0	277.7	276.8
17.5°	321.1	320.3	317.8	313.6	309.4	306.1	304.4	306.1	307.8	308.6	309.4
20°	360.5	359.6	356.3	352.1	347.9	346.2	340.4	342.9	344.6	346.2	345.4
22.5°	402.3	402.3	398.9	393.1	388.9	385.5	383.0	380.5	386.4	389.7	390.6
25°	453.3	451.6	445.8	439.1	434.0	431.5	428.2	428.2	432.4	439.1	440.7
27.5°	506.8	505.1	496.8	489.2	482.6	476.7	475.0	477.5	485.1	495.1	495.1
30°	566.2	562.8	555.3	543.6	532.7	526.9	528.6	532.7	543.6	555.3	554.5
32.5°	631.4	625.6	617.2	603.8	587.9	579.6	582.1	593.8	604.7	617.2	618.9
35°	700.8	700.0	686.6	669.1	649.0	635.6	640.6	656.5	673.2	690.8	693.3
37.5°	771.9	774.4	758.5	739.3	710.0	694.1	705.0	727.6	748.5	767.7	769.4
40°	858.9	856.4	840.5	812.1	776.9	759.4	768.6	800.4	827.1	851.4	853.0
42.5°	948.4	941.7	928.3	894.0	847.2	831.3	844.7	880.6	916.6	936.7	937.5
45°	1032.9	1035.4	1020.3	979.3	927.5	903.2	922.5	965.1	1006.9	1028.7	1031.2
47.5°	1139.1	1132.4	1119.0	1066.3	1007.8	983.5	1005.3	1057.1	1103.1	1123.2	1122.3
50°	1242.8	1238.6	1219.4	1164.2	1098.1	1068.8	1090.6	1154.1	1204.3	1221.9	1226.0
52.5°	1341.5	1339.8	1323.1	1262.0	1190.9	1155.0	1185.1	1251.1	1308.8	1326.4	1328.1
55°	1442.6	1437.6	1425.1	1361.5	1280.4	1240.3	1277.9	1351.5	1410.9	1427.6	1428.4
57.5°	1533.0	1536.3	1526.3	1459.4	1365.7	1327.2	1369.1	1451.0	1511.2	1527.1	1529.6
60°	1623.3	1624.1	1616.6	1551.4	1451.8	1408.4	1456.9	1542.2	1606.6	1620.8	1621.6
62.5°	1694.4	1696.1	1690.2	1619.1	1519.6	1477.8	1531.3	1619.9	1686.0	1696.1	1695.2
65°	1737.9	1742.9	1739.5	1675.1	1568.9	1530.5	1586.5	1679.3	1739.5	1745.4	1742.9
67.5°	1742.9	1748.7	1753.8	1695.2	1594.0	1553.0	1612.4	1701.1	1757.9	1760.4	1752.9
70°	1706.1	1711.9	1723.7	1675.1	1581.5	1547.2	1604.1	1683.5	1731.2	1727.8	1719.5
72.5°	1611.6	1624.1	1641.7	1609.1	1530.5	1502.0	1558.1	1621.6	1654.2	1641.7	1630.0
75°	1476.1	1488.6	1522.1	1503.7	1443.5	1427.6	1469.4	1517.1	1526.3	1507.9	1492.0
77.5°	1311.3	1327.2	1358.2	1372.4	1332.3	1316.4	1351.5	1376.6	1366.5	1326.4	1314.7
80°	1119.0	1144.1	1176.7	1199.3	1189.2	1184.2	1201.8	1199.3	1162.5	1130.7	1110.6
82.5°	943.4	948.4	998.6	1027.0	1030.3	1032.0	1037.0	1006.9	964.3	921.6	903.2
85°	771.1	772.8	814.6	855.6	871.4	876.5	867.3	827.1	782.8	735.1	722.6
87.5°	618.0	620.5	657.3	699.2	726.8	730.1	712.5	673.2	618.0	575.4	564.5
90°	488.4	496.8	533.6	567.9	597.1	602.1	577.1	535.2	484.2	443.2	436.6
92.5°	390.6	394.7	428.2	460.0	487.6	488.4	470.8	428.2	383.0	346.2	337.9
95°	313.6	317.0	343.7	373.0	395.6	400.6	380.5	342.9	301.1	269.3	267.6
97.5°	250.1	254.2	275.1	306.1	322.8	326.2	312.8	277.7	239.2	210.8	210.8
100°	200.7	203.2	221.6	247.6	265.1	268.5	255.1	224.1	190.7	165.6	163.9
102.5°	163.1	164.8	179.8	203.2	219.1	222.5	210.8	185.7	153.0	133.0	132.1
105°	133.8	134.6	146.4	168.1	183.2	185.7	174.8	153.0	123.8	107.0	106.2
107.5°	109.6	110.4	119.6	139.7	153.9	156.4	147.2	125.4	100.4	88.6	87.0
110°	92.0	92.8	99.5	115.4	129.6	133.0	123.8	104.5	82.8	72.8	72.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	77.8	78.6	83.6	97.0	109.6	113.7	104.5	87.0	69.4	61.9	61.1
115°	66.1	66.9	70.3	82.0	92.0	95.3	88.6	72.8	58.5	52.7	52.7
117.5°	57.7	58.5	60.2	69.4	78.6	81.1	74.4	61.1	49.3	46.0	46.0
120°	51.0	51.0	51.9	58.5	66.1	68.6	62.7	51.9	42.7	40.1	40.1
122.5°	44.3	44.3	45.2	50.2	56.0	57.7	52.7	43.5	36.8	36.0	35.1
125°	39.3	39.3	39.3	42.7	47.7	48.5	44.3	36.8	32.6	31.8	31.8
127.5°	34.3	34.3	34.3	36.0	39.3	40.1	36.8	30.9	28.4	27.6	27.6
130°	30.1	30.1	30.1	30.9	32.6	33.5	30.1	26.8	25.1	25.1	25.1
132.5°	26.8	26.8	25.9	25.9	26.8	26.8	25.1	22.6	21.7	21.7	21.7
135°	23.4	23.4	22.6	21.7	21.7	20.9	19.2	18.4	19.2	19.2	19.2
137.5°	20.1	20.1	19.2	18.4	17.6	16.7	15.9	15.1	15.9	16.7	16.7
140°	16.7	16.7	15.9	14.2	13.4	12.5	11.7	12.5	13.4	14.2	14.2
142.5°	13.4	13.4	13.4	11.7	10.0	9.2	9.2	10.0	10.9	11.7	11.7
145°	10.9	10.9	10.0	9.2	7.5	6.7	6.7	7.5	9.2	9.2	9.2
147.5°	8.4	8.4	7.5	6.7	5.0	4.2	5.0	5.9	6.7	7.5	7.5
150°	5.9	5.9	5.9	5.0	3.3	3.3	3.3	4.2	5.0	5.0	5.0
152.5°	3.3	3.3	3.3	3.3	2.5	1.7	2.5	3.3	3.3	3.3	3.3
155°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	2.5	2.5	2.5	2.5
157.5°	0.8	0.8	0.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
160°	0.0	0.0	0.8	0.8	1.7	1.7	1.7	1.7	0.8	0.8	0.8
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)