

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: P416896

Luminaire Tested: **LXF.LXT-PA1-80-827-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416896
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-PA1-80-827-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 6716 lumens
Efficiency: N/A
Efficacy: 80.9 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): 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

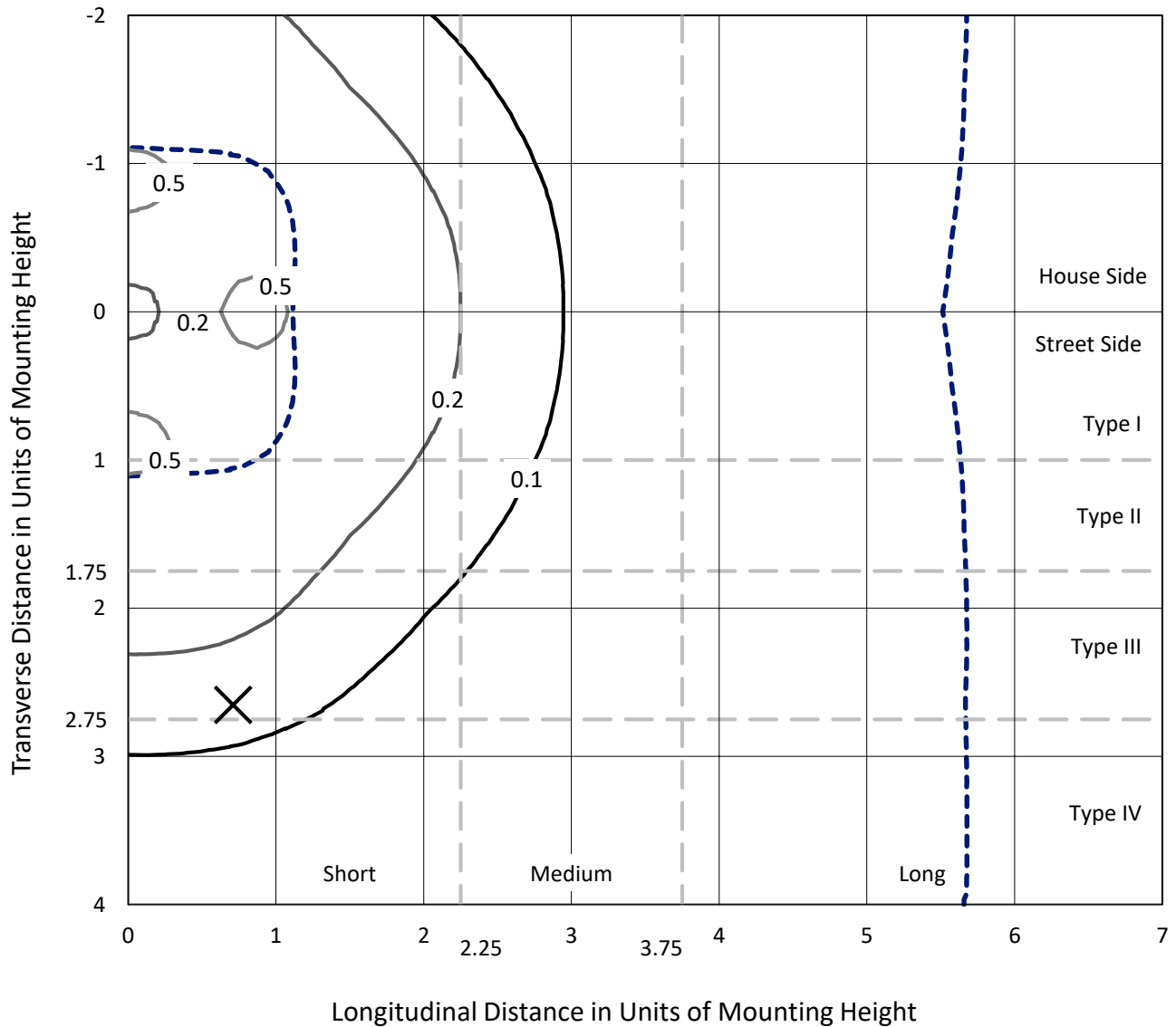


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Iso-Footcandle Lines of Horizontal Illumination

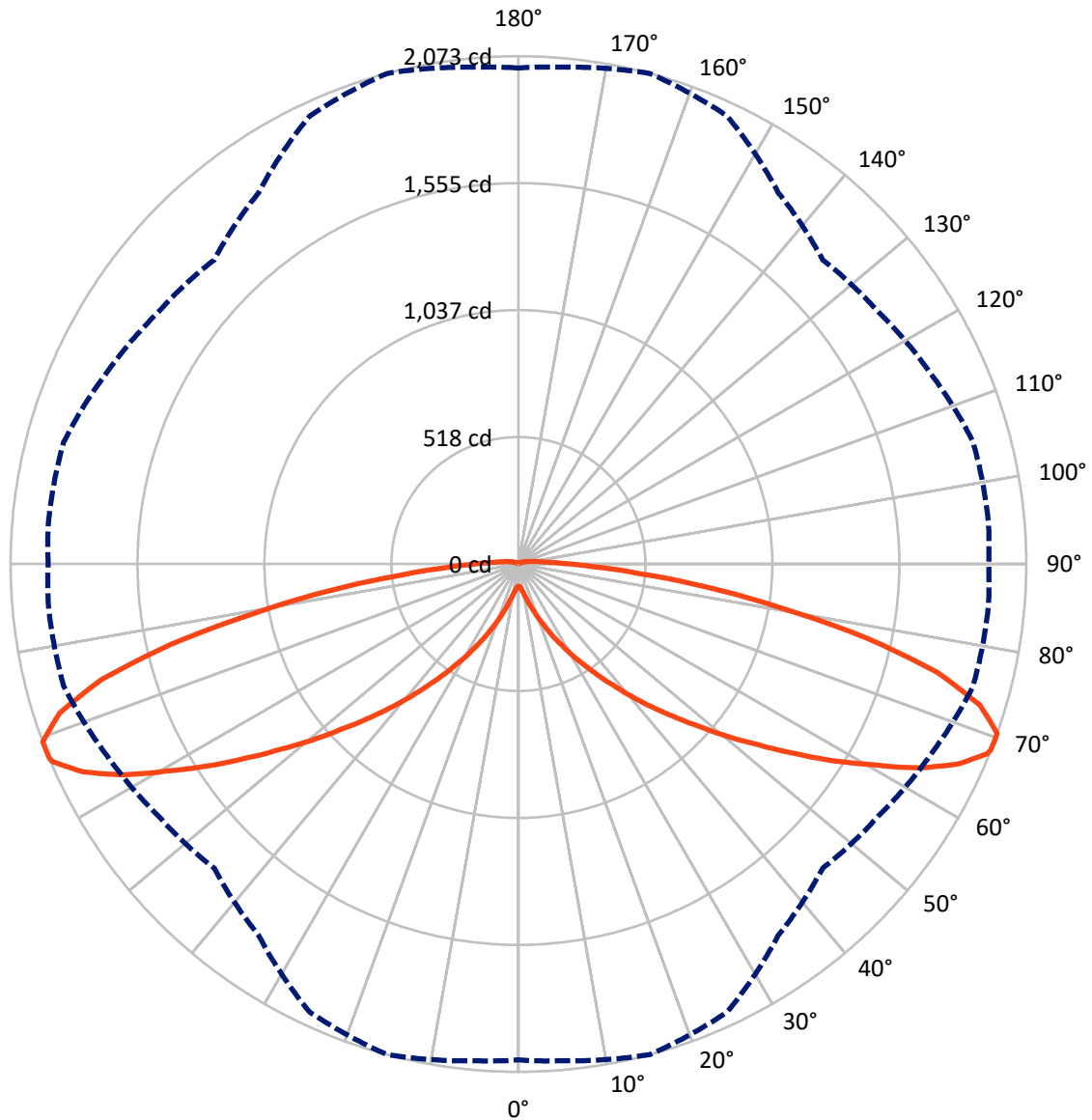
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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
House Side	Lumens	3239.8	118.3	3358.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3239.8	118.3	3358.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	6479.5	236.5	6716.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.1
10°-20°	48.5	0.7
20°-30°	145.9	2.2
30°-40°	335.4	5.0
40°-50°	644.9	9.6
50°-60°	1140.2	17.0
60°-70°	1767.0	26.3
70°-80°	1714.9	25.5
80°-90°	672.7	10.0
90°-100°	144.7	2.2
100°-110°	49.4	0.7
110°-120°	21.7	0.3
120°-130°	11.0	0.2
130°-140°	6.0	0.1
140°-150°	2.8	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6479.5	96.5
0°-180°	6716.0	100.0



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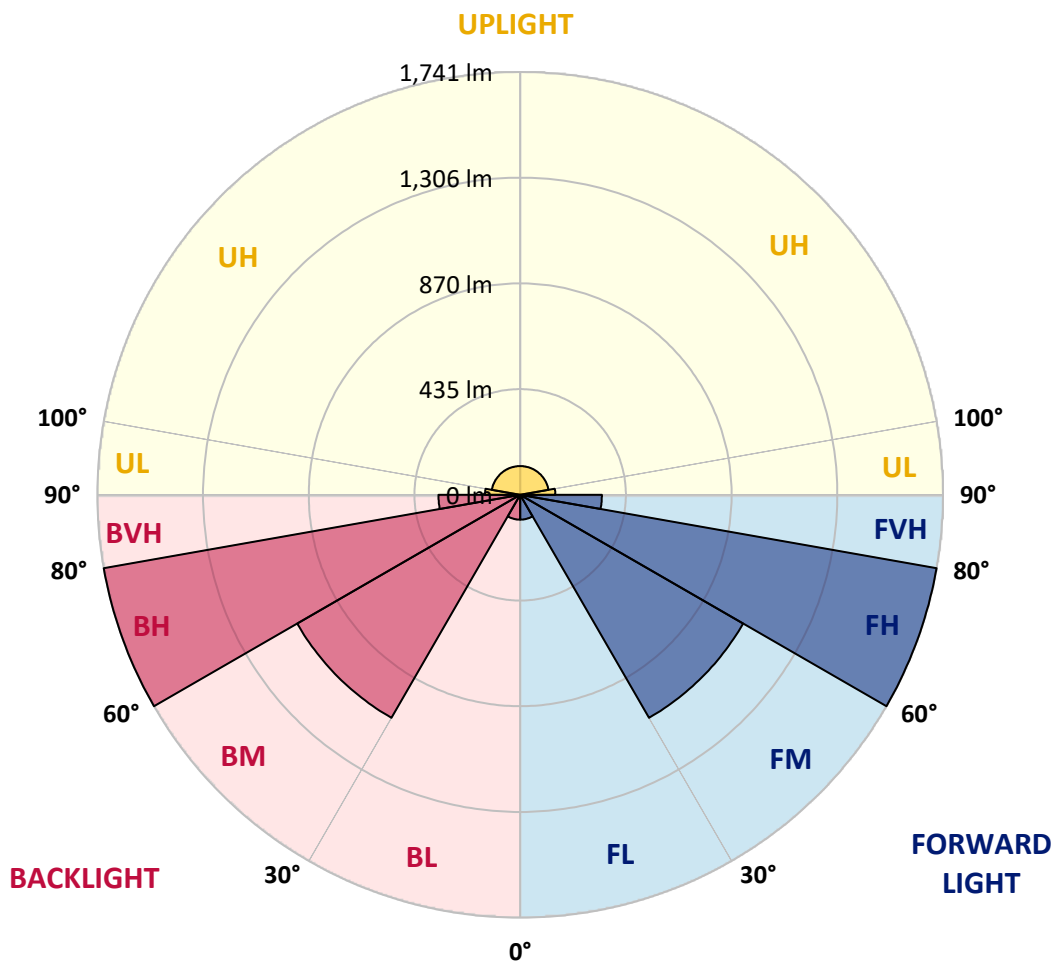
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.2	1.5			
FM	(30°-60°)	1060.2	15.8			
FH	(60°-80°)	1740.9	25.9			G1/1800
FVH	(80°-90°)	336.3	5.0			G3/500
BL	(0°-30°)	102.2	1.5	B0/110		
BM	(30°-60°)	1060.2	15.8	B2/2500		
BH	(60°-80°)	1740.9	25.9	B3/2500		G1/1800
BVH	(80°-90°)	336.3	5.0			G3/500
UL	(90°-100°)	144.7	2.2		U3/500	
UH	(100°-180°)	118.3	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°	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
2.5°	91.9	91.9	91.9	92.6	92.6	93.4	92.6	91.9	91.9	91.2	91.2
5°	98.5	98.5	98.5	98.5	99.2	99.2	97.8	97.0	96.3	96.3	96.3
7.5°	108.8	108.8	109.5	108.8	108.8	108.1	106.6	105.1	105.1	104.4	104.4
10°	125.0	123.5	123.5	122.8	122.0	120.6	119.1	118.4	116.9	116.9	115.4
12.5°	147.0	146.3	144.1	141.9	138.9	136.7	135.3	134.5	134.5	134.5	136.0
15°	172.8	173.5	172.0	166.9	161.0	156.6	155.9	155.9	157.3	158.8	158.8
17.5°	206.6	205.1	201.4	195.5	188.2	183.8	180.8	183.1	186.7	188.9	190.4
20°	243.3	242.6	237.5	227.9	219.8	213.9	211.7	214.7	221.3	227.2	226.4
22.5°	286.0	285.2	277.1	264.7	253.6	247.0	244.8	250.7	264.7	272.0	273.5
25°	334.5	332.3	324.9	308.0	292.6	282.3	283.8	294.1	312.4	327.1	326.4
27.5°	389.6	386.7	372.7	353.6	333.0	322.7	325.7	342.6	367.6	384.5	386.7
30°	449.9	445.5	430.8	402.9	379.3	364.6	372.0	395.5	427.1	451.4	454.3
32.5°	508.0	513.1	488.1	460.2	427.9	408.7	418.3	450.6	489.6	523.4	526.4
35°	581.5	577.1	555.8	519.0	479.3	459.5	472.0	511.7	555.8	595.5	596.9
37.5°	660.2	655.7	627.8	583.0	536.7	513.1	529.3	571.9	628.5	668.2	677.1
40°	744.7	735.9	710.2	655.0	598.4	574.1	589.6	643.3	704.3	747.6	753.5
42.5°	827.8	822.6	796.2	732.9	668.2	637.4	660.2	713.1	783.7	826.3	833.7
45°	918.2	917.5	888.8	819.7	746.9	712.4	735.9	794.7	862.3	911.6	916.0
47.5°	1013.8	1014.5	989.5	920.4	832.2	793.2	816.0	882.2	961.6	1005.7	1010.1
50°	1127.0	1122.6	1105.7	1024.8	932.2	888.1	917.5	986.6	1060.1	1107.1	1111.5
52.5°	1246.1	1246.1	1226.2	1152.0	1043.9	998.3	1023.3	1093.9	1176.2	1218.9	1227.7
55°	1378.4	1372.5	1364.4	1283.6	1173.3	1120.4	1145.4	1225.5	1301.2	1338.0	1338.7
57.5°	1521.8	1515.9	1514.4	1441.6	1315.9	1246.8	1275.5	1351.2	1437.2	1461.5	1468.8
60°	1660.7	1671.0	1665.1	1601.1	1459.3	1381.3	1413.7	1493.1	1576.2	1598.2	1605.6
62.5°	1812.1	1817.3	1833.5	1755.5	1602.6	1519.5	1551.9	1622.5	1707.0	1725.4	1728.3
65°	1943.0	1948.1	1969.5	1895.9	1722.4	1635.0	1671.7	1746.0	1830.5	1846.7	1837.1
67.5°	2020.9	2032.7	2065.0	1995.2	1816.5	1720.2	1757.7	1827.6	1901.1	1915.8	1903.3
68°	2032.7	2042.2	2072.4	2009.2	1828.3	1730.5	1770.2	1839.3	1914.3	1926.1	1916.5
70°	2024.6	2035.6	2073.1	2017.2	1849.6	1756.3	1793.8	1852.6	1921.7	1926.1	1919.5
72.5°	1912.8	1932.7	1969.5	1949.6	1813.6	1729.1	1760.7	1796.7	1844.5	1843.7	1835.7
75°	1698.9	1690.1	1765.8	1775.4	1685.7	1637.2	1652.6	1653.3	1662.9	1649.7	1623.2
77.5°	1358.5	1379.1	1452.6	1516.6	1486.5	1467.3	1470.3	1426.9	1407.8	1351.2	1333.6
80°	991.0	1007.1	1085.8	1182.8	1226.2	1248.3	1223.3	1141.7	1074.8	1016.7	996.9
82.5°	676.3	682.2	774.8	868.2	955.0	981.4	959.4	848.4	755.7	694.0	666.8
85°	416.1	425.6	491.8	584.4	686.6	746.9	695.4	584.4	491.1	442.6	431.5
87.5°	244.8	259.5	303.6	373.5	471.2	522.7	482.3	386.0	311.0	275.7	262.4
90°	152.9	161.7	189.7	240.4	316.1	353.6	326.4	250.7	200.7	170.6	161.0
92.5°	106.6	109.5	128.7	161.0	215.4	241.1	218.3	172.0	137.5	114.7	111.0
95°	79.4	81.6	93.4	113.9	148.5	168.3	152.9	121.3	97.8	82.3	80.1
97.5°	62.5	64.0	73.5	86.7	108.8	122.8	113.2	92.6	75.7	63.2	61.0
100°	48.5	50.0	58.8	69.1	85.3	92.6	86.7	72.8	59.5	48.5	47.0
102.5°	38.2	39.0	47.0	56.6	68.4	73.5	69.1	58.8	47.0	37.5	36.8
105°	30.1	30.9	38.2	47.0	56.6	60.3	57.3	48.5	37.5	28.7	27.9
107.5°	23.5	24.3	30.1	39.0	47.0	50.0	47.0	39.7	29.4	22.8	22.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	19.1	19.1	25.0	32.3	39.7	41.9	39.7	32.3	23.5	18.4	17.6
112.5°	16.2	16.2	20.6	27.2	33.1	36.0	33.1	26.5	19.1	14.7	14.7
115°	13.2	14.0	16.9	22.8	27.9	30.1	27.9	22.1	16.2	12.5	12.5
117.5°	11.8	12.5	14.7	19.1	24.3	25.7	23.5	18.4	13.2	11.0	11.0
120°	11.0	11.0	12.5	16.2	20.6	22.1	19.8	16.2	11.8	10.3	10.3
122.5°	10.3	10.3	11.0	14.0	17.6	19.1	16.9	13.2	10.3	9.6	8.8
125°	9.6	9.6	10.3	12.5	15.4	16.2	14.7	11.8	8.8	8.1	8.1
127.5°	8.8	8.8	9.6	11.0	13.2	14.0	13.2	10.3	8.1	8.1	8.1
130°	8.1	8.1	8.8	9.6	11.8	12.5	11.0	8.8	7.4	7.4	7.4
132.5°	7.4	7.4	7.4	8.8	10.3	10.3	9.6	8.1	7.4	6.6	6.6
135°	7.4	7.4	7.4	7.4	8.8	9.6	8.1	7.4	6.6	6.6	6.6
137.5°	6.6	6.6	6.6	6.6	7.4	8.1	7.4	6.6	5.9	5.9	5.9
140°	5.9	5.9	5.9	5.9	6.6	6.6	6.6	5.1	5.1	5.1	5.1
142.5°	5.1	5.1	5.1	5.1	5.1	5.9	5.1	4.4	4.4	4.4	4.4
145°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
147.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
152.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
155°	1.5	1.5	1.5	1.5	2.2	1.5	2.2	1.5	1.5	1.5	1.5
157.5°	0.7	0.7	1.5	1.5	1.5	2.2	1.5	1.5	0.7	0.7	0.7
160°	0.0	0.7	0.7	0.7	1.5	1.5	1.5	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)