

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: P416532

Luminaire Tested: **LXF.LXT-PA1-70-830-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416532
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-PA1-70-830-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 6642 lumens
Efficiency: N/A
Efficacy: 89.8 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

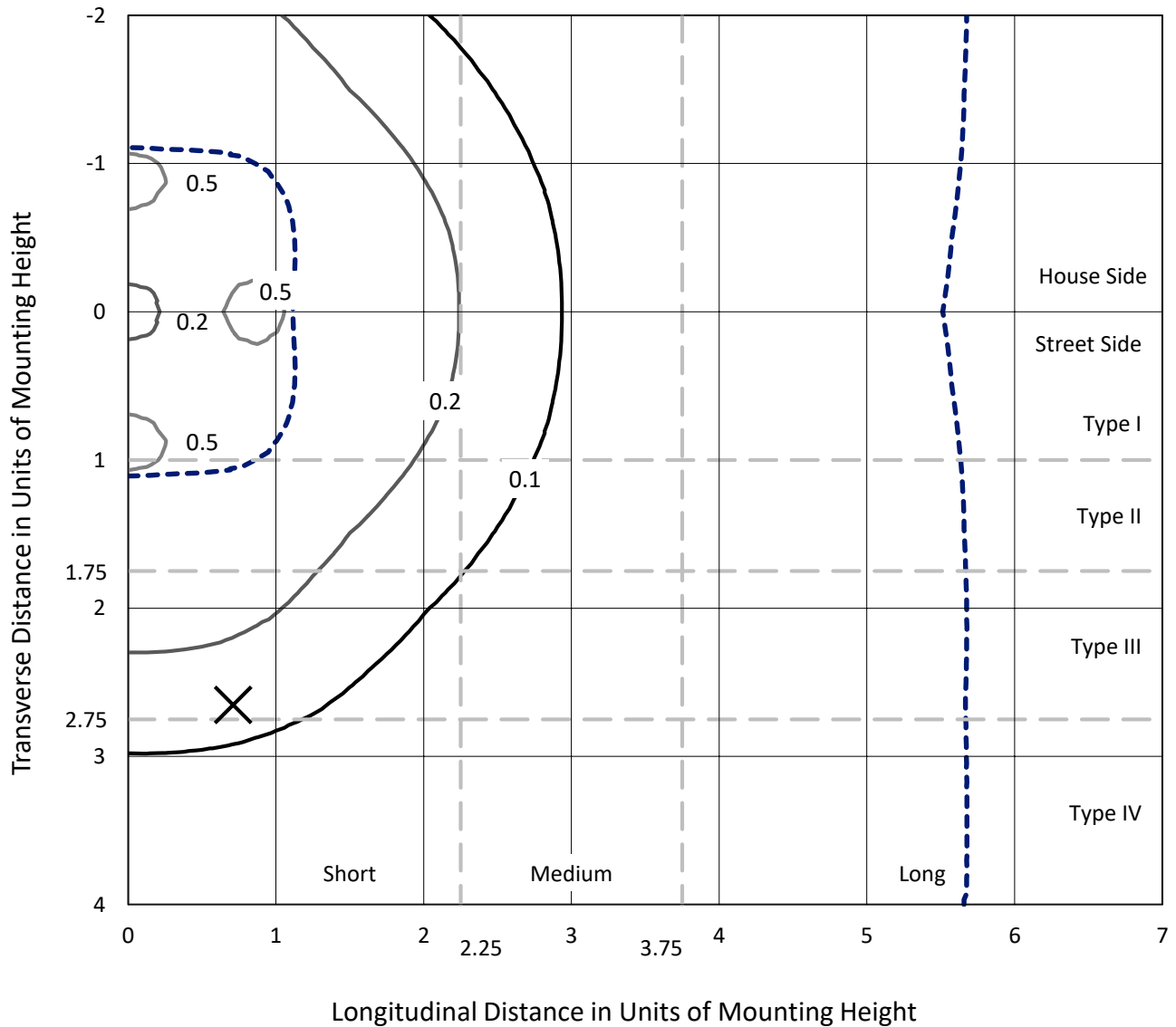


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Iso-Footcandle Lines of Horizontal Illumination

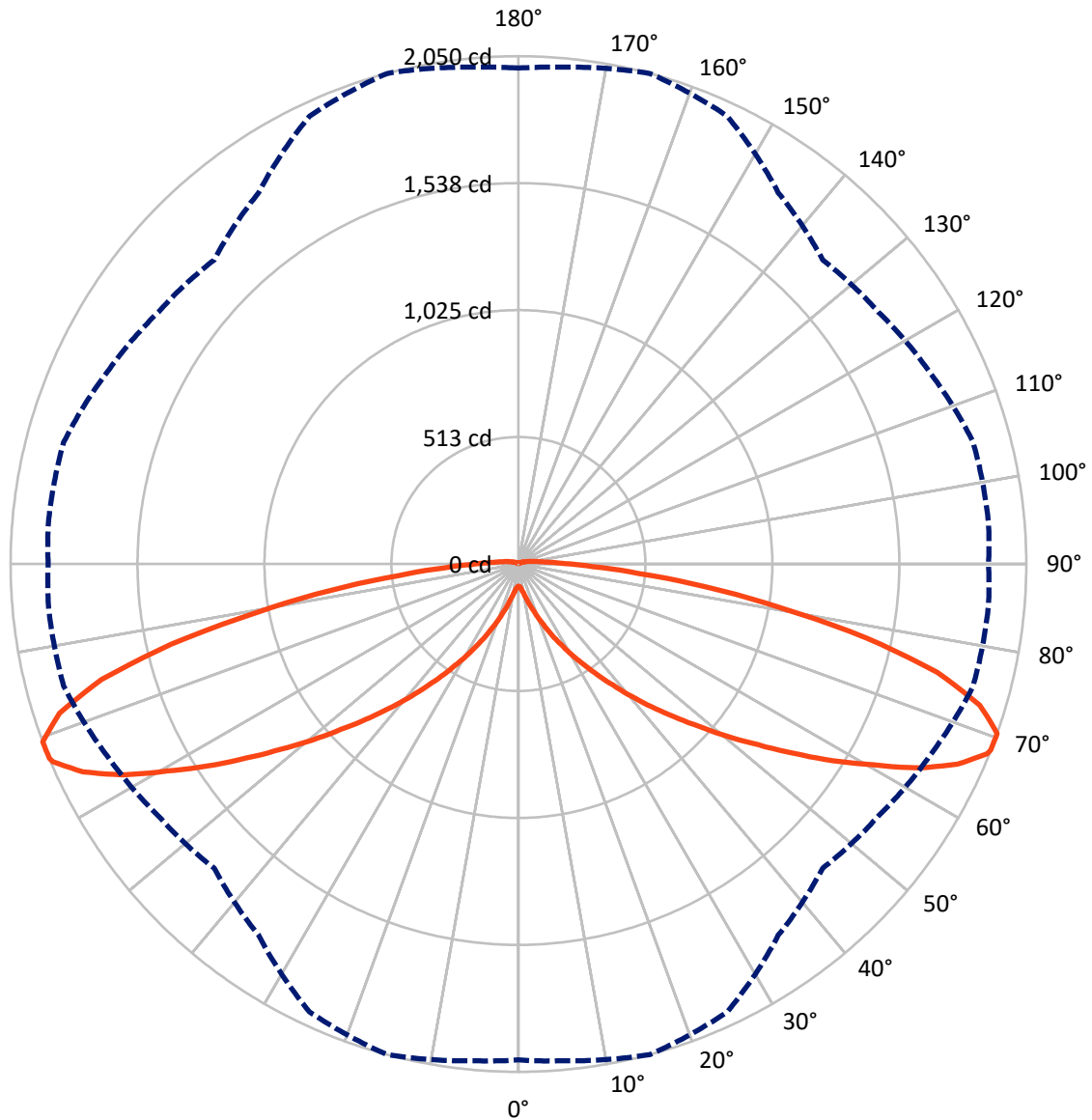
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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	3204.0	117.0	3321.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3204.0	117.0	3321.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	6408.1	233.9	6642.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.1
10°-20°	48.0	0.7
20°-30°	144.3	2.2
30°-40°	331.7	5.0
40°-50°	637.8	9.6
50°-60°	1127.7	17.0
60°-70°	1747.5	26.3
70°-80°	1696.0	25.5
80°-90°	665.2	10.0
90°-100°	143.1	2.2
100°-110°	48.9	0.7
110°-120°	21.5	0.3
120°-130°	10.9	0.2
130°-140°	5.9	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°	6408.1	96.5
0°-180°	6642.0	100.0



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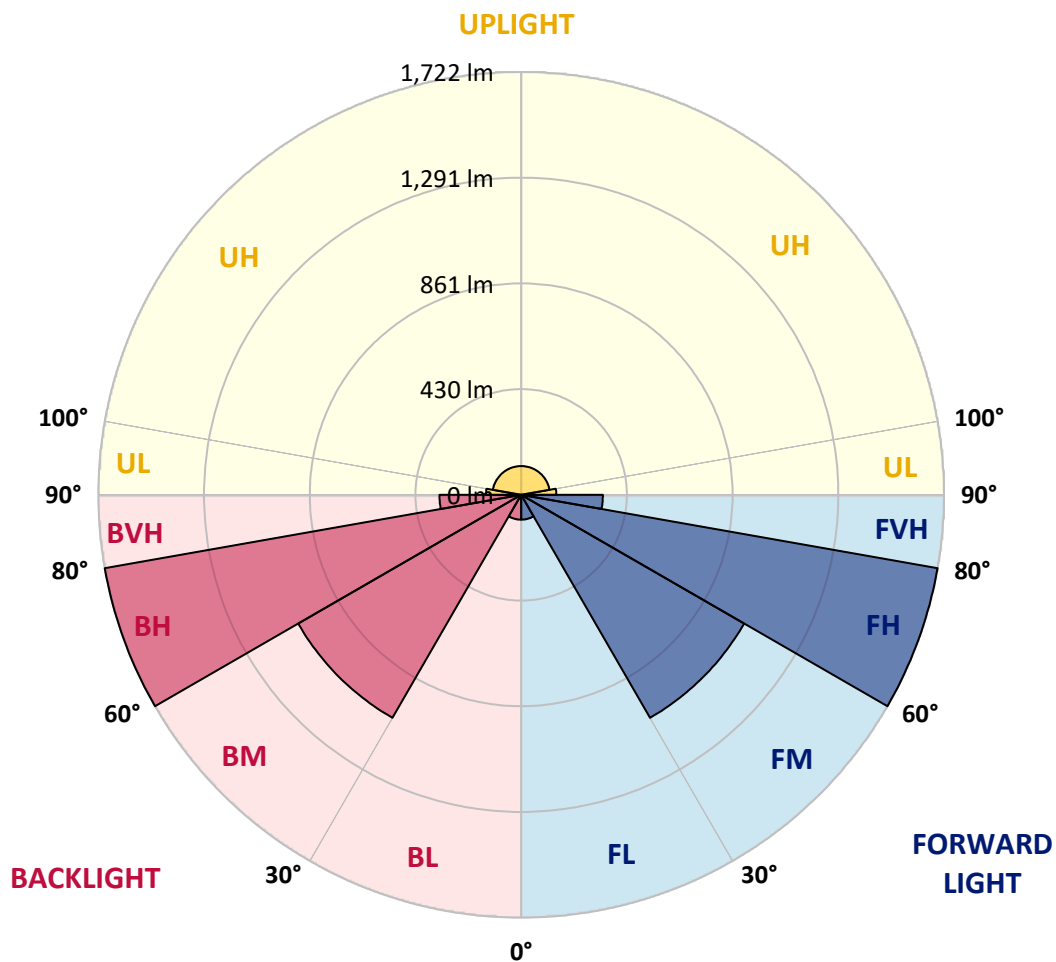
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.1	1.5			
FM (30°-60°)	1048.6	15.8			
FH (60°-80°)	1721.8	25.9			G1/1800
FVH (80°-90°)	332.6	5.0			G3/500
BL (0°-30°)	101.1	1.5	B0/110		
BM (30°-60°)	1048.6	15.8	B2/2500		
BH (60°-80°)	1721.8	25.9	B3/2500		G1/1800
BVH (80°-90°)	332.6	5.0			G3/500
UL (90°-100°)	143.1	2.2		U3/500	
UH (100°-180°)	117.0	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°	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
2.5°	90.9	90.9	90.9	91.6	91.6	92.3	91.6	90.9	90.9	90.2	90.2
5°	97.4	97.4	97.4	97.4	98.2	98.2	96.7	96.0	95.2	95.2	95.2
7.5°	107.6	107.6	108.3	107.6	107.6	106.9	105.4	104.0	104.0	103.2	103.2
10°	123.6	122.1	122.1	121.4	120.7	119.2	117.8	117.1	115.6	115.6	114.1
12.5°	145.4	144.7	142.5	140.3	137.4	135.2	133.8	133.0	133.0	133.0	134.5
15°	170.9	171.6	170.1	165.0	159.2	154.9	154.1	154.1	155.6	157.0	157.0
17.5°	204.3	202.8	199.2	193.4	186.1	181.8	178.9	181.0	184.7	186.9	188.3
20°	240.7	239.9	234.8	225.4	217.4	211.6	209.4	212.3	218.8	224.7	223.9
22.5°	282.8	282.1	274.1	261.7	250.8	244.3	242.1	247.9	261.7	269.0	270.5
25°	330.8	328.6	321.4	304.6	289.4	279.2	280.6	290.8	309.0	323.5	322.8
27.5°	385.3	382.4	368.6	349.7	329.4	319.2	322.1	338.8	363.5	380.2	382.4
30°	445.0	440.6	426.0	398.4	375.2	360.6	367.9	391.2	422.4	446.4	449.3
32.5°	502.4	507.5	482.8	455.1	423.1	404.2	413.7	445.7	484.2	517.7	520.6
35°	575.1	570.7	549.6	513.3	474.0	454.4	466.8	506.0	549.6	588.9	590.4
37.5°	652.9	648.5	620.9	576.5	530.7	507.5	523.5	565.6	621.6	660.9	669.6
40°	736.5	727.8	702.3	647.8	591.8	567.8	583.1	636.2	696.5	739.4	745.2
42.5°	818.7	813.6	787.4	724.9	660.9	630.3	652.9	705.2	775.0	817.2	824.5
45°	908.1	907.4	879.0	810.7	738.7	704.5	727.8	785.9	852.8	901.5	905.9
47.5°	1002.6	1003.3	978.6	910.3	823.0	784.5	807.0	872.5	951.0	994.6	999.0
50°	1114.6	1110.2	1093.5	1013.5	921.9	878.3	907.4	975.7	1048.4	1094.9	1099.3
52.5°	1232.3	1232.3	1212.7	1139.3	1032.4	987.3	1012.0	1081.8	1163.3	1205.4	1214.2
55°	1363.2	1357.4	1349.4	1269.4	1160.4	1108.0	1132.7	1212.0	1286.9	1323.2	1323.9
57.5°	1505.0	1499.2	1497.7	1425.7	1301.4	1233.1	1261.4	1336.3	1421.4	1445.4	1452.6
60°	1642.4	1652.6	1646.8	1583.5	1443.2	1366.1	1398.1	1476.6	1558.8	1580.6	1587.9
62.5°	1792.2	1797.3	1813.3	1736.2	1585.0	1502.8	1534.8	1604.6	1688.2	1706.4	1709.3
65°	1921.6	1926.7	1947.8	1875.0	1703.5	1616.9	1653.3	1726.7	1810.3	1826.3	1816.9
67.5°	1998.6	2010.3	2042.3	1973.2	1796.5	1701.3	1738.4	1807.4	1880.1	1894.7	1882.3
68°	2010.3	2019.7	2049.5	1987.0	1808.2	1711.5	1750.7	1819.1	1893.2	1904.9	1895.4
70°	2002.3	2013.2	2050.3	1995.0	1829.2	1736.9	1774.0	1832.2	1900.5	1904.9	1898.3
72.5°	1891.8	1911.4	1947.8	1928.1	1793.6	1710.0	1741.3	1776.9	1824.2	1823.4	1815.4
75°	1680.2	1671.5	1746.4	1755.8	1667.1	1619.1	1634.4	1635.1	1644.6	1631.5	1605.3
77.5°	1343.6	1363.9	1436.6	1499.9	1470.1	1451.2	1454.1	1411.2	1392.3	1336.3	1318.9
80°	980.1	996.1	1073.8	1169.8	1212.7	1234.5	1209.8	1129.1	1062.9	1005.5	985.9
82.5°	668.9	674.7	766.3	858.6	944.4	970.6	948.8	839.0	747.4	686.3	659.4
85°	411.5	421.0	486.4	578.0	679.1	738.7	687.8	578.0	485.7	437.7	426.8
87.5°	242.1	256.6	300.3	369.3	466.0	516.9	476.9	381.7	307.5	272.6	259.6
90°	151.2	159.9	187.6	237.7	312.6	349.7	322.8	247.9	198.5	168.7	159.2
92.5°	105.4	108.3	127.2	159.2	213.0	238.5	215.9	170.1	136.0	113.4	109.8
95°	78.5	80.7	92.3	112.7	146.9	166.5	151.2	120.0	96.7	81.4	79.2
97.5°	61.8	63.3	72.7	85.8	107.6	121.4	112.0	91.6	74.9	62.5	60.3
100°	48.0	49.4	58.2	68.3	84.3	91.6	85.8	72.0	58.9	48.0	46.5
102.5°	37.8	38.5	46.5	56.0	67.6	72.7	68.3	58.2	46.5	37.1	36.4
105°	29.8	30.5	37.8	46.5	56.0	59.6	56.7	48.0	37.1	28.4	27.6
107.5°	23.3	24.0	29.8	38.5	46.5	49.4	46.5	39.3	29.1	22.5	21.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	18.9	18.9	24.7	32.0	39.3	41.4	39.3	32.0	23.3	18.2	17.4
112.5°	16.0	16.0	20.4	26.9	32.7	35.6	32.7	26.2	18.9	14.5	14.5
115°	13.1	13.8	16.7	22.5	27.6	29.8	27.6	21.8	16.0	12.4	12.4
117.5°	11.6	12.4	14.5	18.9	24.0	25.4	23.3	18.2	13.1	10.9	10.9
120°	10.9	10.9	12.4	16.0	20.4	21.8	19.6	16.0	11.6	10.2	10.2
122.5°	10.2	10.2	10.9	13.8	17.4	18.9	16.7	13.1	10.2	9.5	8.7
125°	9.5	9.5	10.2	12.4	15.3	16.0	14.5	11.6	8.7	8.0	8.0
127.5°	8.7	8.7	9.5	10.9	13.1	13.8	13.1	10.2	8.0	8.0	8.0
130°	8.0	8.0	8.7	9.5	11.6	12.4	10.9	8.7	7.3	7.3	7.3
132.5°	7.3	7.3	7.3	8.7	10.2	10.2	9.5	8.0	7.3	6.5	6.5
135°	7.3	7.3	7.3	7.3	8.7	9.5	8.0	7.3	6.5	6.5	6.5
137.5°	6.5	6.5	6.5	6.5	7.3	8.0	7.3	6.5	5.8	5.8	5.8
140°	5.8	5.8	5.8	5.8	6.5	6.5	6.5	5.1	5.1	5.1	5.1
142.5°	5.1	5.1	5.1	5.1	5.1	5.8	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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
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)