

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: P415856

Luminaire Tested: **LXF.LXT-PA1-60-730-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415856
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-PA1-60-730-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 6787 lumens
Efficiency: N/A
Efficacy: 106.0 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

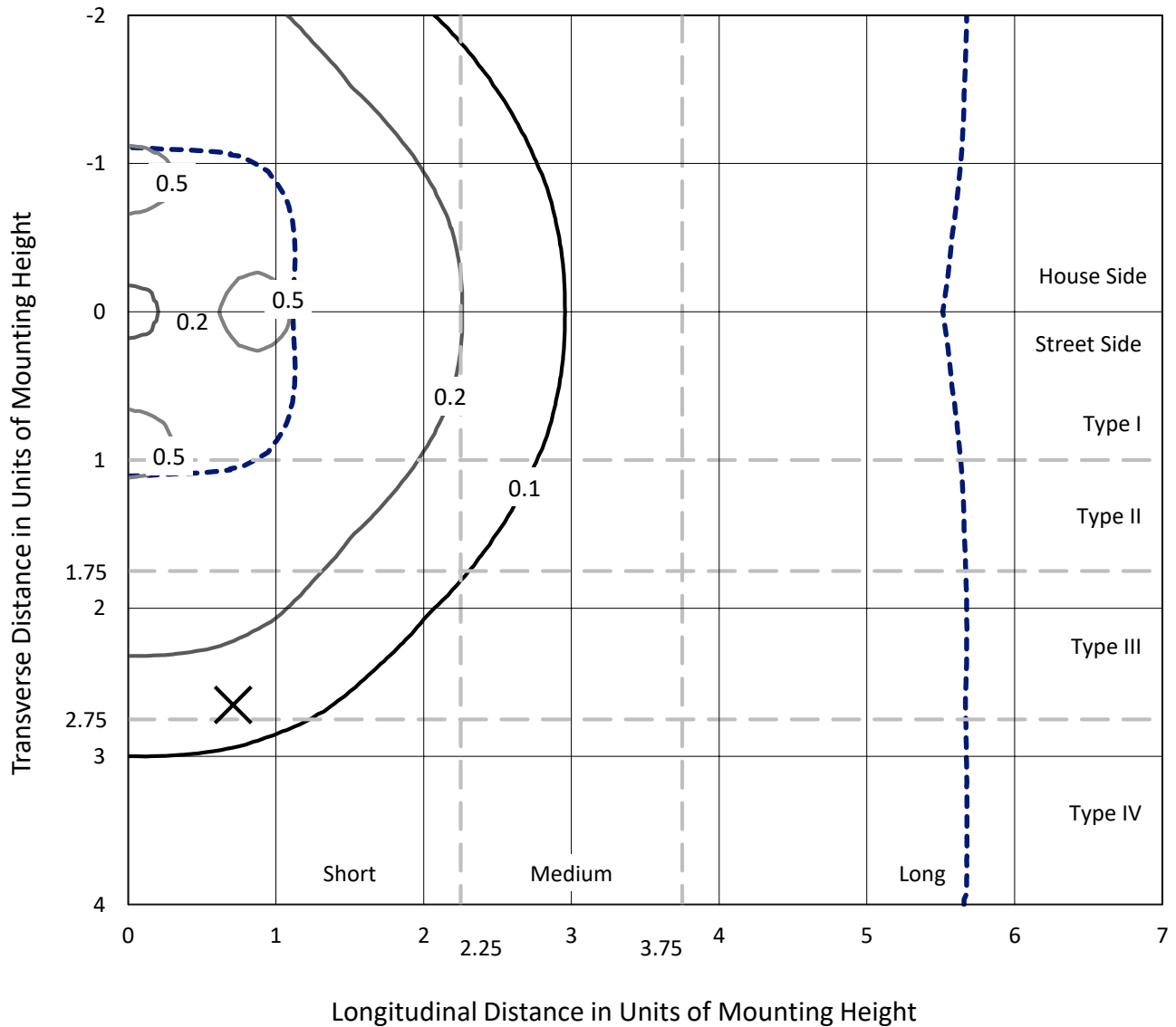
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

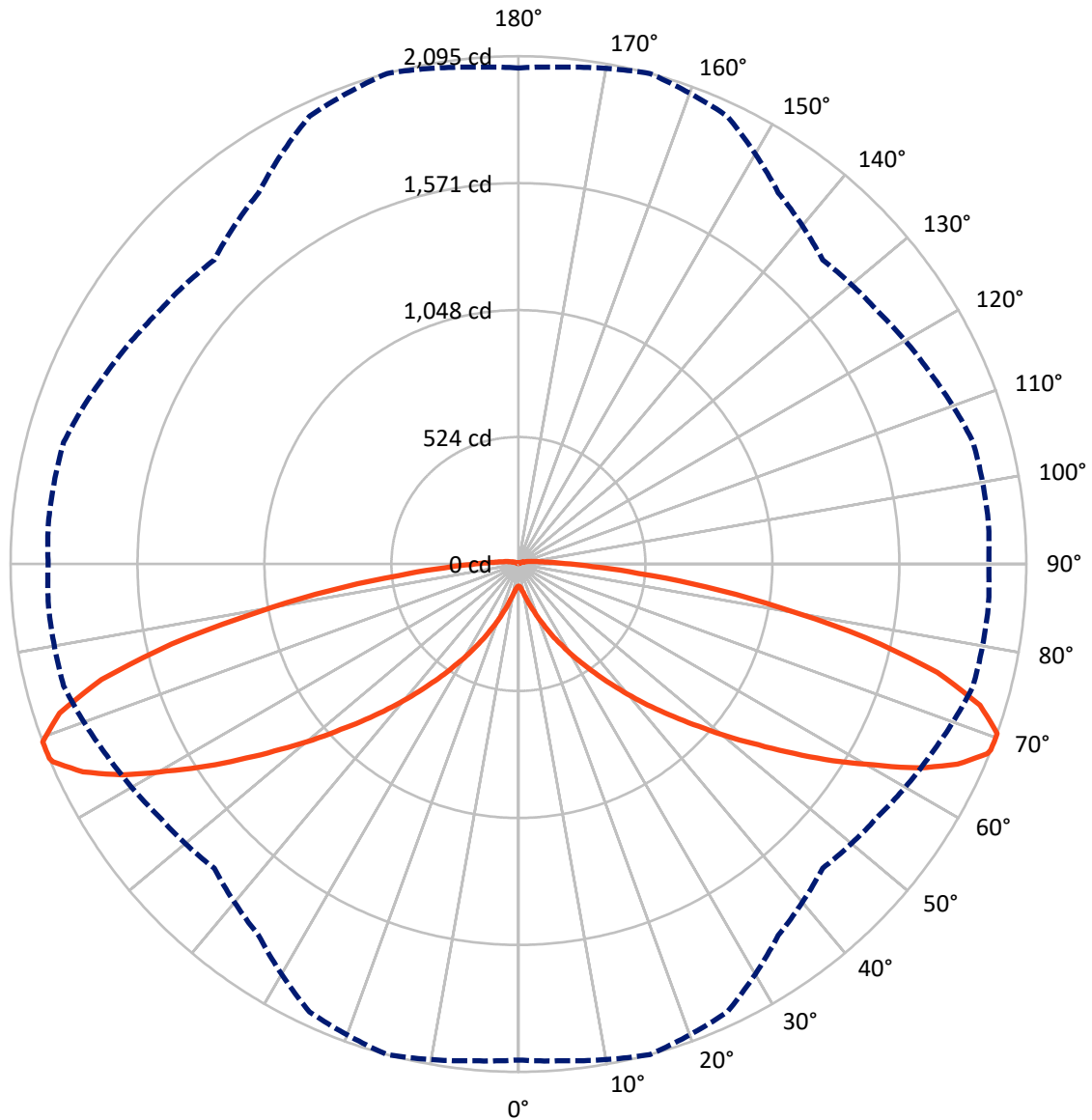
× Max cd
 - - - 1/2 Max cd



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	3274.0	119.5	3393.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3274.0	119.5	3393.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	6548.0	239.0	6787.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.1
10°-20°	49.0	0.7
20°-30°	147.4	2.2
30°-40°	338.9	5.0
40°-50°	651.7	9.6
50°-60°	1152.3	17.0
60°-70°	1785.7	26.3
70°-80°	1733.0	25.5
80°-90°	679.8	10.0
90°-100°	146.3	2.2
100°-110°	50.0	0.7
110°-120°	22.0	0.3
120°-130°	11.1	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°	6548.0	96.5
0°-180°	6787.0	100.0



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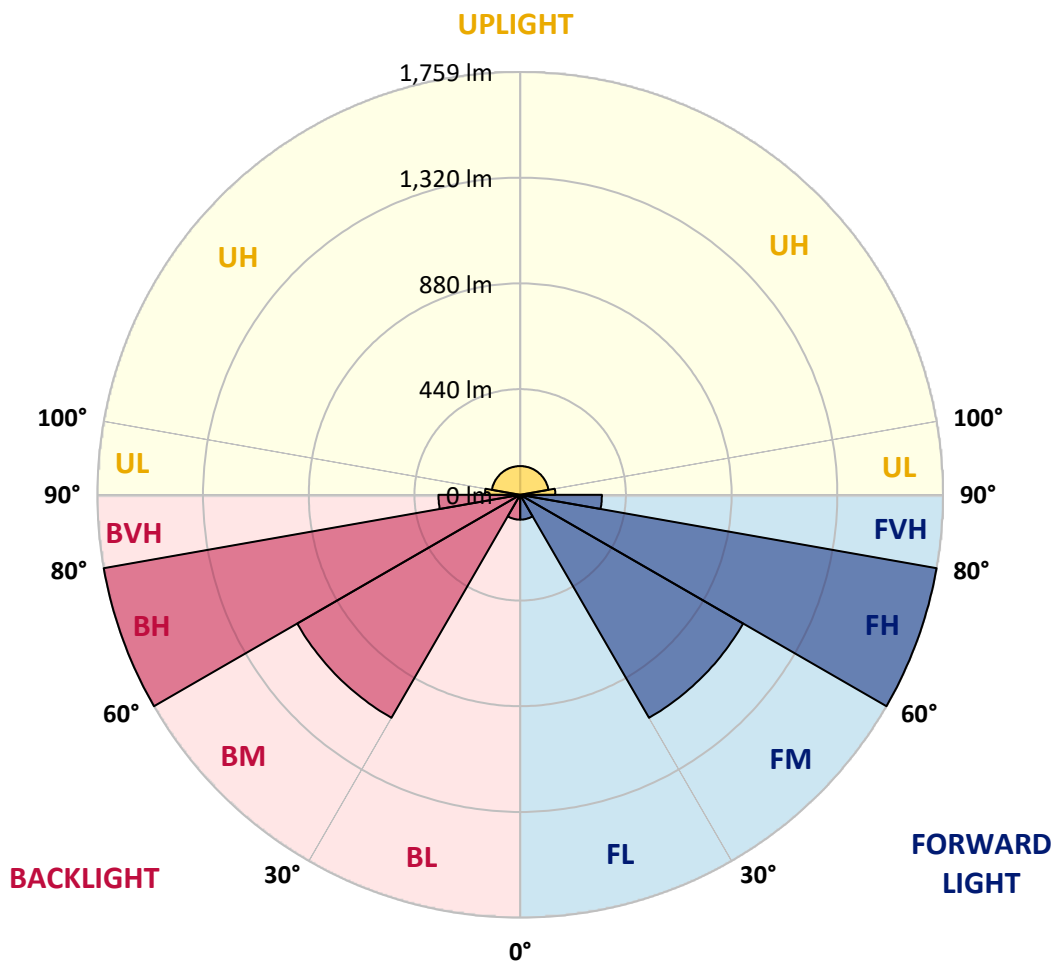
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.3	1.5			
FM	(30°-60°)	1071.5	15.8			
FH	(60°-80°)	1759.4	25.9			G1/1800
FVH	(80°-90°)	339.9	5.0			G3/500
BL	(0°-30°)	103.3	1.5	B0/110		
BM	(30°-60°)	1071.5	15.8	B2/2500		
BH	(60°-80°)	1759.4	25.9	B3/2500		G1/1800
BVH	(80°-90°)	339.9	5.0			G3/500
UL	(90°-100°)	146.3	2.2		U3/500	
UH	(100°-180°)	119.5	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°	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
2.5°	92.9	92.9	92.9	93.6	93.6	94.4	93.6	92.9	92.9	92.1	92.1
5°	99.6	99.6	99.6	99.6	100.3	100.3	98.8	98.1	97.3	97.3	97.3
7.5°	110.0	110.0	110.7	110.0	110.0	109.2	107.7	106.2	106.2	105.5	105.5
10°	126.3	124.8	124.8	124.1	123.3	121.8	120.4	119.6	118.1	118.1	116.6
12.5°	148.6	147.8	145.6	143.4	140.4	138.2	136.7	136.0	136.0	136.0	137.4
15°	174.6	175.3	173.8	168.6	162.7	158.2	157.5	157.5	159.0	160.5	160.5
17.5°	208.8	207.3	203.6	197.6	190.2	185.7	182.8	185.0	188.7	190.9	192.4
20°	245.9	245.2	240.0	230.3	222.1	216.2	214.0	216.9	223.6	229.6	228.8
22.5°	289.0	288.3	280.1	267.5	256.3	249.6	247.4	253.3	267.5	274.9	276.4
25°	338.0	335.8	328.4	311.3	295.7	285.3	286.8	297.2	315.7	330.6	329.9
27.5°	393.7	390.8	376.7	357.3	336.5	326.1	329.1	346.2	371.5	388.5	390.8
30°	454.7	450.2	435.3	407.1	383.3	368.5	375.9	399.7	431.6	456.2	459.1
32.5°	513.4	518.6	493.3	465.1	432.4	413.1	422.7	455.4	494.8	529.0	531.9
35°	587.6	583.2	561.6	524.5	484.4	464.3	477.0	517.1	561.6	601.8	603.2
37.5°	667.1	662.7	634.5	589.1	542.3	518.6	534.9	578.0	635.2	675.3	684.2
40°	752.6	743.7	717.7	661.9	604.7	580.2	595.8	650.1	711.7	755.5	761.5
42.5°	836.5	831.3	804.6	740.7	675.3	644.1	667.1	720.6	791.9	835.0	842.5
45°	927.9	927.2	898.2	828.4	754.8	719.9	743.7	803.1	871.4	921.2	925.7
47.5°	1024.5	1025.2	1000.0	930.1	841.0	801.6	824.6	891.5	971.7	1016.3	1020.8
50°	1138.9	1134.4	1117.3	1035.6	942.0	897.4	927.2	997.0	1071.3	1118.8	1123.3
52.5°	1259.2	1259.2	1239.2	1164.2	1054.9	1008.9	1034.1	1105.5	1188.7	1231.8	1240.7
55°	1393.0	1387.0	1378.9	1297.1	1185.7	1132.2	1157.5	1238.4	1315.0	1352.1	1352.9
57.5°	1537.8	1531.9	1530.4	1456.9	1329.8	1260.0	1289.0	1365.5	1452.4	1476.9	1484.3
60°	1678.2	1688.7	1682.7	1618.1	1474.7	1395.9	1428.6	1508.9	1592.8	1615.1	1622.5
62.5°	1831.3	1836.5	1852.8	1774.1	1619.6	1535.6	1568.3	1639.6	1725.1	1743.6	1746.6
65°	1963.5	1968.7	1990.3	1916.0	1740.7	1652.2	1689.4	1764.4	1849.9	1866.2	1856.5
67.5°	2042.3	2054.2	2086.9	2016.3	1835.7	1738.4	1776.3	1846.9	1921.2	1936.0	1923.4
68°	2054.2	2063.8	2094.3	2030.4	1847.6	1748.8	1788.9	1858.8	1934.6	1946.4	1936.8
70°	2046.0	2057.1	2095.0	2038.6	1869.2	1774.8	1812.7	1872.2	1942.0	1946.4	1939.8
72.5°	1933.1	1953.1	1990.3	1970.2	1832.8	1747.3	1779.3	1815.7	1864.0	1863.2	1855.1
75°	1716.9	1708.0	1784.5	1794.1	1703.5	1654.5	1670.1	1670.8	1680.5	1667.1	1640.4
77.5°	1372.9	1393.7	1468.0	1532.6	1502.2	1482.9	1485.8	1442.0	1422.7	1365.5	1347.7
80°	1001.5	1017.8	1097.3	1195.4	1239.2	1261.5	1236.2	1153.8	1086.1	1027.5	1007.4
82.5°	683.5	689.4	783.0	877.4	965.0	991.8	969.5	857.3	763.7	701.3	673.8
85°	420.5	430.1	497.0	590.6	693.9	754.8	702.8	590.6	496.3	447.2	436.1
87.5°	247.4	262.2	306.8	377.4	476.2	528.2	487.4	390.0	314.3	278.6	265.2
90°	154.5	163.4	191.7	242.9	319.5	357.3	329.9	253.3	202.8	172.4	162.7
92.5°	107.7	110.7	130.0	162.7	217.7	243.7	220.6	173.8	138.9	115.9	112.2
95°	80.2	82.5	94.4	115.2	150.1	170.1	154.5	122.6	98.8	83.2	81.0
97.5°	63.1	64.6	74.3	87.7	110.0	124.1	114.4	93.6	76.5	63.9	61.7
100°	49.0	50.5	59.4	69.8	86.2	93.6	87.7	73.5	60.2	49.0	47.5
102.5°	38.6	39.4	47.5	57.2	69.1	74.3	69.8	59.4	47.5	37.9	37.1
105°	30.5	31.2	38.6	47.5	57.2	60.9	57.9	49.0	37.9	29.0	28.2
107.5°	23.8	24.5	30.5	39.4	47.5	50.5	47.5	40.1	29.7	23.0	22.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	19.3	19.3	25.3	32.7	40.1	42.3	40.1	32.7	23.8	18.6	17.8
112.5°	16.3	16.3	20.8	27.5	33.4	36.4	33.4	26.7	19.3	14.9	14.9
115°	13.4	14.1	17.1	23.0	28.2	30.5	28.2	22.3	16.3	12.6	12.6
117.5°	11.9	12.6	14.9	19.3	24.5	26.0	23.8	18.6	13.4	11.1	11.1
120°	11.1	11.1	12.6	16.3	20.8	22.3	20.1	16.3	11.9	10.4	10.4
122.5°	10.4	10.4	11.1	14.1	17.8	19.3	17.1	13.4	10.4	9.7	8.9
125°	9.7	9.7	10.4	12.6	15.6	16.3	14.9	11.9	8.9	8.2	8.2
127.5°	8.9	8.9	9.7	11.1	13.4	14.1	13.4	10.4	8.2	8.2	8.2
130°	8.2	8.2	8.9	9.7	11.9	12.6	11.1	8.9	7.4	7.4	7.4
132.5°	7.4	7.4	7.4	8.9	10.4	10.4	9.7	8.2	7.4	6.7	6.7
135°	7.4	7.4	7.4	7.4	8.9	9.7	8.2	7.4	6.7	6.7	6.7
137.5°	6.7	6.7	6.7	6.7	7.4	8.2	7.4	6.7	5.9	5.9	5.9
140°	5.9	5.9	5.9	5.9	6.7	6.7	6.7	5.2	5.2	5.2	5.2
142.5°	5.2	5.2	5.2	5.2	5.2	5.9	5.2	4.5	4.5	4.5	4.5
145°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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)