

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: P416686

Luminaire Tested: **LXF.LXT-PA1-80-730-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416686
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-PA1-80-730-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 8168 lumens
Efficiency: N/A
Efficacy: 98.4 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 (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

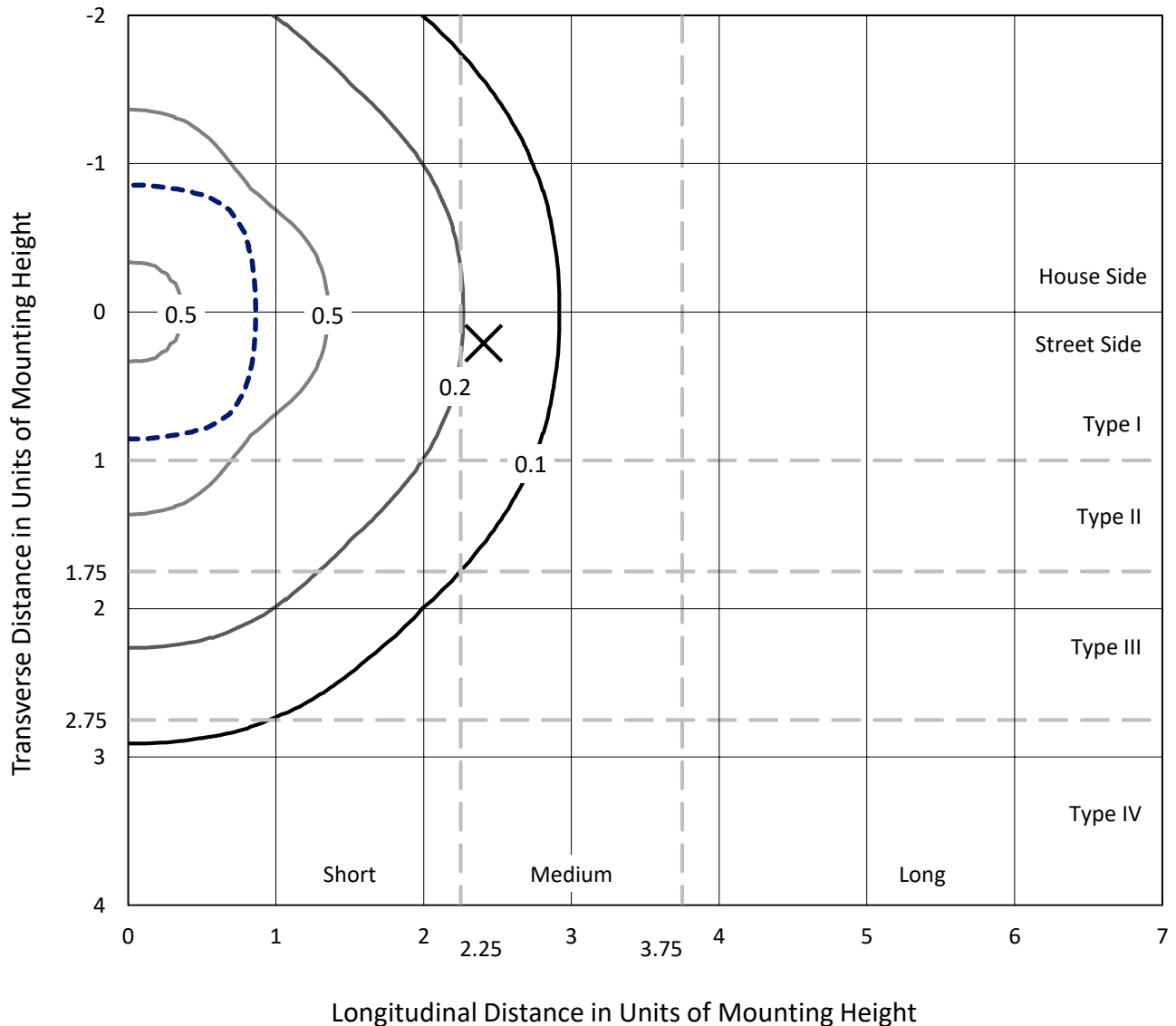


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Iso-Footcandle Lines of Horizontal Illumination

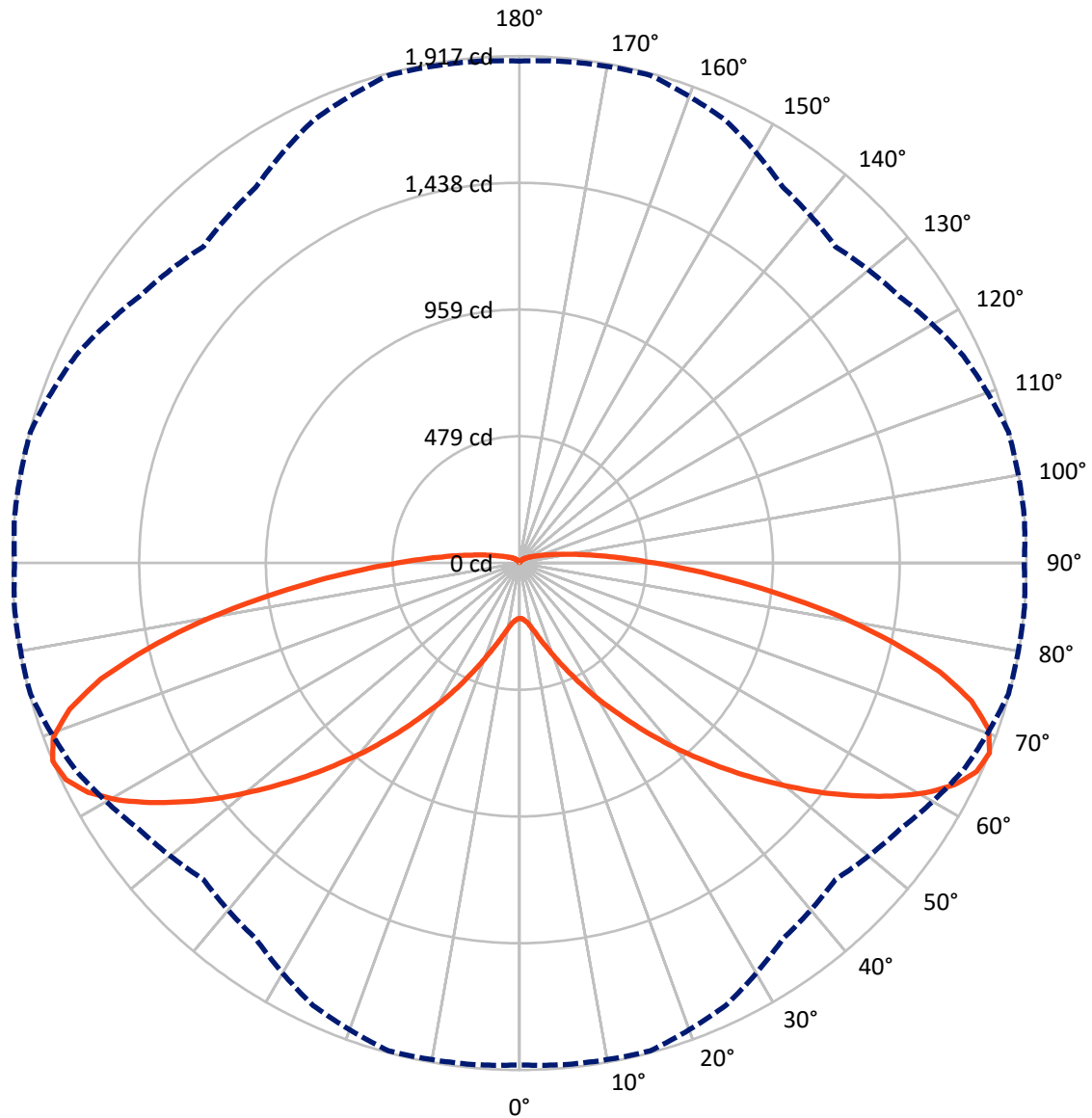
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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
House Side	Lumens	3703.8	380.2	4084.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	3703.8	380.2	4084.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	7407.6	760.4	8168.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	0.3
10°-20°	88.8	1.1
20°-30°	224.5	2.7
30°-40°	462.1	5.7
40°-50°	830.7	10.2
50°-60°	1327.9	16.3
60°-70°	1776.7	21.8
70°-80°	1683.5	20.6
80°-90°	991.6	12.1
90°-100°	428.4	5.2
100°-110°	182.4	2.2
110°-120°	84.0	1.0
120°-130°	40.2	0.5
130°-140°	18.0	0.2
140°-150°	6.1	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7407.6	90.7
0°-180°	8168.0	100.0



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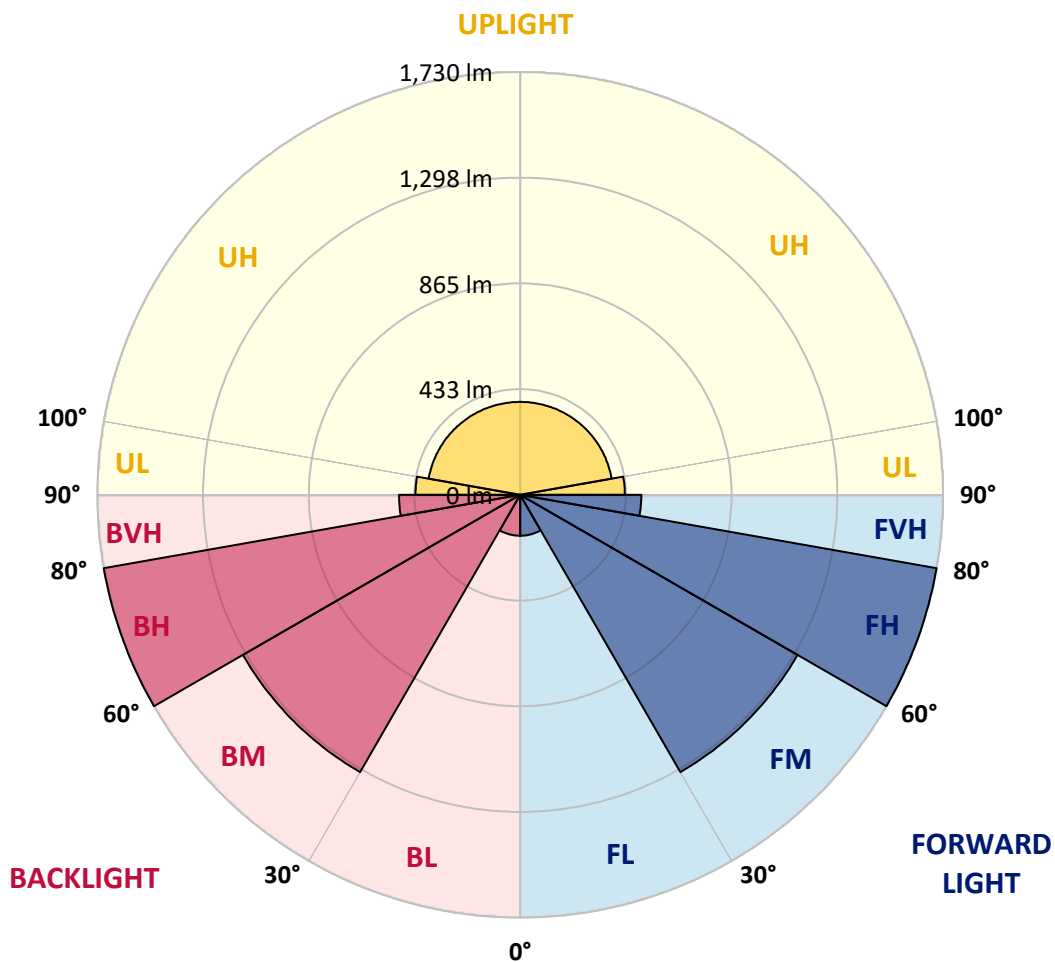
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.6	2.1			
FM	(30°-60°)	1310.3	16.0			
FH	(60°-80°)	1730.1	21.2			G1/1800
FVH	(80°-90°)	495.8	6.1			G3/500
BL	(0°-30°)	167.6	2.1	B1/500		
BM	(30°-60°)	1310.3	16.0	B2/2500		
BH	(60°-80°)	1730.1	21.2	B3/2500		G1/1800
BVH	(80°-90°)	495.8	6.1			G3/500
UL	(90°-100°)	428.4	5.2		U3/500	
UH	(100°-180°)	380.2	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°	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5	209.5
2.5°	211.3	210.4	211.3	211.3	212.2	212.2	212.2	212.2	211.3	211.3	211.3
5°	218.6	218.6	218.6	218.6	219.5	219.5	219.5	218.6	218.6	218.6	218.6
7.5°	232.2	231.3	232.2	231.3	231.3	230.4	231.3	230.4	229.5	229.5	229.5
10°	249.5	249.5	249.5	248.6	248.6	248.6	246.8	246.8	246.8	247.7	246.8
12.5°	277.8	275.9	275.9	272.3	270.5	269.6	268.7	268.7	271.4	271.4	269.6
15°	310.5	309.6	309.6	305.1	301.4	296.0	296.9	300.5	300.5	302.3	301.4
17.5°	349.7	348.8	346.1	341.5	337.0	333.3	331.5	333.3	335.1	336.0	337.0
20°	392.5	391.6	388.0	383.4	378.8	377.0	370.6	373.4	375.2	377.0	376.1
22.5°	438.0	438.0	434.4	428.0	423.5	419.8	417.1	414.4	420.7	424.4	425.3
25°	493.6	491.8	485.4	478.1	472.6	469.9	466.3	466.3	470.8	478.1	479.9
27.5°	551.9	550.1	540.9	532.8	525.5	519.1	517.3	520.0	528.2	539.1	539.1
30°	616.5	612.9	604.7	591.9	580.1	573.7	575.6	580.1	591.9	604.7	603.8
32.5°	687.6	681.2	672.1	657.5	640.2	631.1	633.8	646.6	658.4	672.1	673.9
35°	763.2	762.2	747.7	728.5	706.7	692.1	697.6	714.9	733.1	752.2	755.0
37.5°	840.6	843.3	826.0	805.0	773.2	755.9	767.7	792.3	815.1	836.0	837.8
40°	935.3	932.5	915.2	884.3	846.0	826.9	836.9	871.5	900.7	927.1	928.9
42.5°	1032.7	1025.4	1010.9	973.5	922.5	905.2	919.8	959.0	998.1	1020.0	1020.9
45°	1124.7	1127.4	1111.0	1066.4	1009.9	983.5	1004.5	1050.9	1096.5	1120.1	1122.9
47.5°	1240.4	1233.1	1218.5	1161.1	1097.4	1071.0	1094.6	1151.1	1201.2	1223.0	1222.1
50°	1353.3	1348.7	1327.8	1267.7	1195.7	1163.9	1187.5	1256.7	1311.4	1330.5	1335.1
52.5°	1460.7	1458.9	1440.7	1374.2	1296.8	1257.7	1290.4	1362.4	1425.2	1444.3	1446.2
55°	1570.9	1565.5	1551.8	1482.6	1394.3	1350.5	1391.5	1471.7	1536.3	1554.5	1555.4
57.5°	1669.3	1672.9	1662.0	1589.1	1487.1	1445.3	1490.8	1580.0	1645.6	1662.9	1665.6
60°	1767.6	1768.5	1760.4	1689.3	1580.9	1533.6	1586.4	1679.3	1749.4	1764.9	1765.8
62.5°	1845.0	1846.9	1840.5	1763.1	1654.7	1609.2	1667.5	1764.0	1835.9	1846.9	1846.0
65°	1892.4	1897.9	1894.2	1824.1	1708.4	1666.6	1727.6	1828.7	1894.2	1900.6	1897.9
67.5°	1897.9	1904.2	1909.7	1846.0	1735.8	1691.1	1755.8	1852.3	1914.3	1917.0	1908.8
70°	1857.8	1864.2	1876.9	1824.1	1722.1	1684.8	1746.7	1833.2	1885.1	1881.5	1872.4
72.5°	1754.9	1768.5	1787.7	1752.2	1666.6	1635.6	1696.6	1765.8	1801.3	1787.7	1774.9
75°	1607.4	1621.0	1657.4	1637.4	1571.8	1554.5	1600.1	1652.0	1662.0	1642.0	1624.7
77.5°	1428.0	1445.3	1479.0	1494.4	1450.7	1433.4	1471.7	1499.0	1488.1	1444.3	1431.6
80°	1218.5	1245.8	1281.3	1305.9	1295.0	1289.5	1308.7	1305.9	1265.9	1231.2	1209.4
82.5°	1027.3	1032.7	1087.4	1118.3	1122.0	1123.8	1129.2	1096.5	1050.0	1003.6	983.5
85°	839.7	841.5	887.0	931.6	948.9	954.4	944.4	900.7	852.4	800.5	786.8
87.5°	673.0	675.7	715.8	761.3	791.4	795.0	775.9	733.1	673.0	626.6	614.7
90°	531.8	540.9	581.0	618.4	650.2	655.7	628.4	582.8	527.3	482.7	475.4
92.5°	425.3	429.8	466.3	500.9	530.9	531.8	512.7	466.3	417.1	377.0	367.9
95°	341.5	345.1	374.3	406.2	430.8	436.2	414.4	373.4	327.8	293.2	291.4
97.5°	272.3	276.8	299.6	333.3	351.5	355.2	340.6	302.3	260.5	229.5	229.5
100°	218.6	221.3	241.3	269.6	288.7	292.3	277.8	244.1	207.6	180.3	178.5
102.5°	177.6	179.4	195.8	221.3	238.6	242.2	229.5	202.2	166.7	144.8	143.9
105°	145.7	146.6	159.4	183.0	199.4	202.2	190.3	166.7	134.8	116.6	115.7
107.5°	119.3	120.2	130.2	152.1	167.6	170.3	160.3	136.6	109.3	96.5	94.7
110°	100.2	101.1	108.4	125.7	141.2	144.8	134.8	113.8	90.2	79.2	79.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	84.7	85.6	91.1	105.6	119.3	123.9	113.8	94.7	75.6	67.4	66.5
115°	71.9	72.9	76.5	89.2	100.2	103.8	96.5	79.2	63.7	57.4	57.4
117.5°	62.8	63.7	65.6	75.6	85.6	88.3	81.1	66.5	53.7	50.1	50.1
120°	55.6	55.6	56.5	63.7	71.9	74.7	68.3	56.5	46.4	43.7	43.7
122.5°	48.3	48.3	49.2	54.6	61.0	62.8	57.4	47.4	40.1	39.2	38.2
125°	42.8	42.8	42.8	46.4	51.9	52.8	48.3	40.1	35.5	34.6	34.6
127.5°	37.3	37.3	37.3	39.2	42.8	43.7	40.1	33.7	31.0	30.1	30.1
130°	32.8	32.8	32.8	33.7	35.5	36.4	32.8	29.1	27.3	27.3	27.3
132.5°	29.1	29.1	28.2	28.2	29.1	29.1	27.3	24.6	23.7	23.7	23.7
135°	25.5	25.5	24.6	23.7	23.7	22.8	20.9	20.0	20.9	20.9	20.9
137.5°	21.9	21.9	20.9	20.0	19.1	18.2	17.3	16.4	17.3	18.2	18.2
140°	18.2	18.2	17.3	15.5	14.6	13.7	12.7	13.7	14.6	15.5	15.5
142.5°	14.6	14.6	14.6	12.7	10.9	10.0	10.0	10.9	11.8	12.7	12.7
145°	11.8	11.8	10.9	10.0	8.2	7.3	7.3	8.2	10.0	10.0	10.0
147.5°	9.1	9.1	8.2	7.3	5.5	4.6	5.5	6.4	7.3	8.2	8.2
150°	6.4	6.4	6.4	5.5	3.6	3.6	3.6	4.6	5.5	5.5	5.5
152.5°	3.6	3.6	3.6	3.6	2.7	1.8	2.7	3.6	3.6	3.6	3.6
155°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
157.5°	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
160°	0.0	0.0	0.9	0.9	1.8	1.8	1.8	1.8	0.9	0.9	0.9
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)