

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: P415800

Luminaire Tested: **LXF.LXT-PA1-60-727-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-727-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6259 lumens
Efficiency: N/A
Efficacy: 97.8 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): 64
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

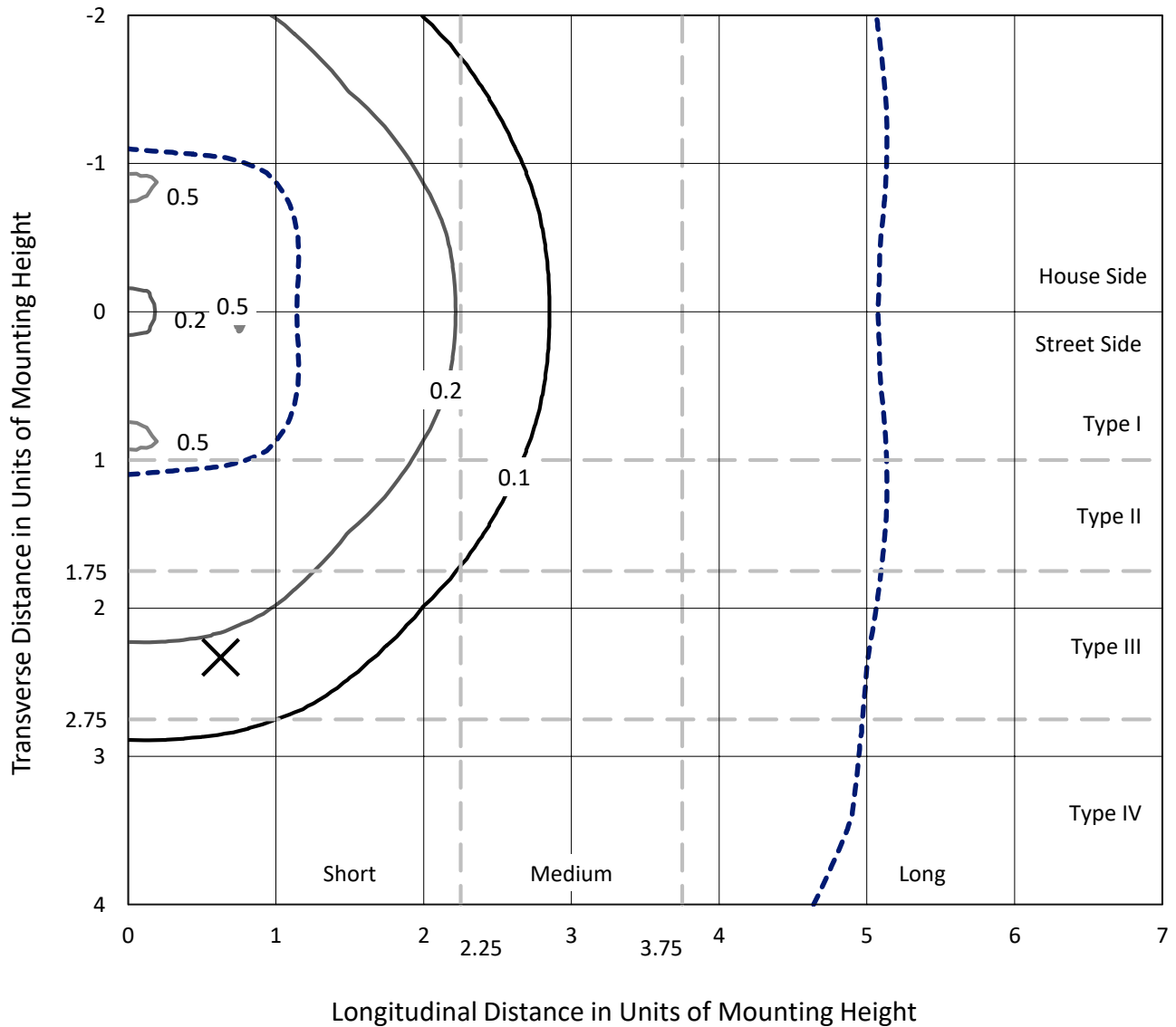


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

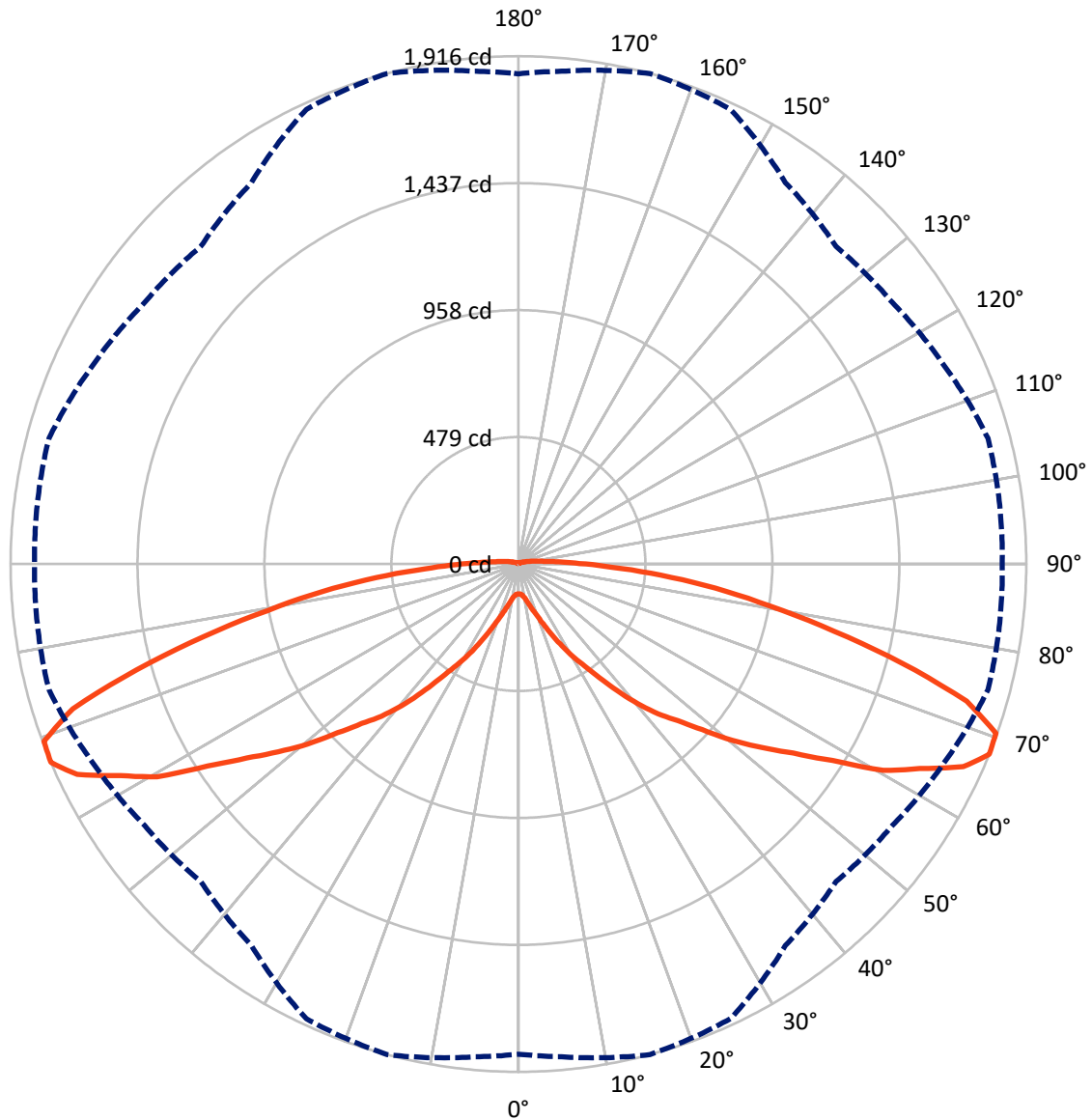


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3006.0	123.5	3129.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3006.0	123.5	3129.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	6012.0	247.0	6259.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.2
10°-20°	46.7	0.7
20°-30°	134.8	2.2
30°-40°	317.3	5.1
40°-50°	598.2	9.6
50°-60°	1066.8	17.0
60°-70°	1686.6	26.9
70°-80°	1486.0	23.7
80°-90°	664.2	10.6
90°-100°	164.9	2.6
100°-110°	45.4	0.7
110°-120°	18.2	0.3
120°-130°	9.7	0.2
130°-140°	5.6	0.1
140°-150°	2.4	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6012.0	96.1
0°-180°	6259.0	100.0



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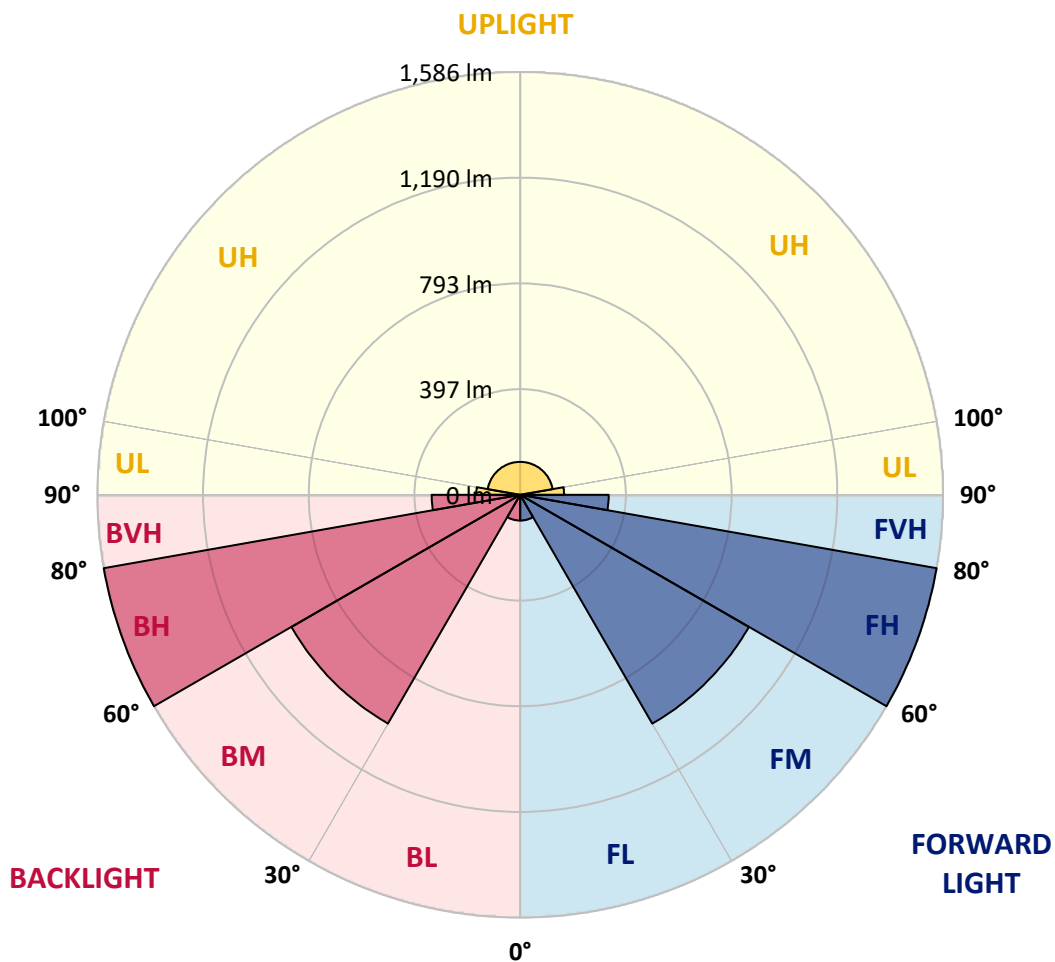
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.4	1.5			
FM	(30°-60°)	991.2	15.8			
FH	(60°-80°)	1586.3	25.3			G1/1800
FVH	(80°-90°)	332.1	5.3			G3/500
BL	(0°-30°)	96.4	1.5	B0/110		
BM	(30°-60°)	991.2	15.8	B1/1000		
BH	(60°-80°)	1586.3	25.3	B3/2500		G1/1800
BVH	(80°-90°)	332.1	5.3			G3/500
UL	(90°-100°)	164.9	2.6		U3/500	
UH	(100°-180°)	123.5	2.0		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°	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
2.5°	112.6	112.6	113.2	113.2	113.9	114.6	113.9	113.2	112.6	111.9	111.9
5°	116.0	116.0	116.0	116.0	116.7	116.7	116.0	114.6	113.9	113.2	113.2
7.5°	121.4	121.4	121.4	121.4	121.4	120.8	119.4	118.0	117.3	116.7	116.7
10°	130.3	130.3	128.9	128.9	128.3	127.6	126.2	124.8	123.5	124.2	124.2
12.5°	145.3	146.0	143.9	140.5	137.8	136.4	135.8	135.8	137.8	137.8	138.5
15°	167.1	167.1	163.7	159.0	153.5	149.4	150.8	154.2	157.6	159.6	159.6
17.5°	191.0	191.0	187.6	181.5	174.0	171.9	171.2	174.6	182.1	184.9	185.6
20°	221.0	221.0	214.9	206.0	199.2	196.5	196.5	201.9	210.1	216.3	215.6
22.5°	262.0	261.3	252.4	237.4	228.5	224.4	223.8	231.3	245.6	255.1	257.9
25°	311.1	310.4	298.8	279.0	265.4	254.5	257.2	270.2	292.0	307.0	307.0
27.5°	367.0	364.3	349.3	327.5	307.0	292.7	296.8	315.2	342.5	362.9	363.6
30°	421.6	421.6	405.2	379.3	352.0	334.3	339.1	365.0	397.7	429.8	430.5
32.5°	479.6	478.9	458.4	432.5	399.1	379.3	386.8	418.9	465.3	502.1	508.9
35°	554.0	554.6	526.0	490.5	448.2	426.4	436.6	478.2	533.5	577.8	581.9
37.5°	633.8	637.9	606.5	560.8	504.2	477.5	492.6	541.0	605.1	651.5	651.5
40°	719.7	721.8	693.1	635.1	566.9	532.1	551.9	603.8	652.9	692.4	694.5
42.5°	792.7	794.8	772.3	715.6	639.2	597.6	609.2	648.8	695.2	739.5	743.6
45°	850.0	856.9	843.2	794.8	717.0	666.5	665.2	705.4	761.3	807.7	813.2
47.5°	953.7	957.1	933.3	876.0	796.8	741.6	736.1	776.4	849.3	899.1	902.6
50°	1045.1	1055.4	1046.5	985.1	891.0	824.1	824.8	878.0	957.1	1007.6	1012.4
52.5°	1148.2	1152.9	1150.2	1097.7	1006.3	927.1	936.0	996.0	1081.3	1112.7	1118.1
55°	1242.3	1249.8	1259.4	1220.5	1129.7	1060.1	1068.3	1132.5	1189.8	1219.8	1222.5
57.5°	1391.7	1399.2	1398.5	1341.2	1263.4	1195.9	1209.6	1260.0	1335.1	1386.2	1395.1
60°	1554.1	1565.0	1582.0	1507.7	1391.0	1343.9	1361.0	1434.0	1519.3	1526.8	1536.3
62.5°	1662.5	1668.0	1700.1	1675.5	1539.7	1483.1	1528.1	1590.2	1634.6	1641.4	1638.7
65°	1804.4	1822.2	1844.7	1788.1	1678.9	1601.1	1653.0	1699.4	1779.2	1786.0	1784.7
67.5°	1849.5	1866.5	1916.3	1893.1	1756.7	1694.6	1721.2	1772.4	1833.8	1828.3	1825.6
70°	1852.9	1869.2	1911.5	1899.3	1774.4	1688.5	1715.8	1735.5	1792.2	1792.8	1785.3
72.5°	1667.3	1696.0	1768.3	1790.1	1681.0	1593.0	1595.0	1594.3	1598.4	1553.4	1535.6
75°	1404.7	1425.1	1496.1	1548.6	1492.7	1416.9	1415.6	1358.3	1346.0	1311.9	1299.6
77.5°	1125.0	1150.2	1218.4	1275.7	1255.9	1215.0	1193.9	1129.1	1111.3	1072.4	1077.2
80°	874.6	894.4	961.9	1036.3	1041.7	1013.1	989.9	936.7	901.9	869.1	854.8
82.5°	673.3	690.4	748.4	828.9	862.3	858.9	826.2	766.1	734.7	703.4	684.9
85°	465.3	480.3	537.6	635.1	695.2	716.3	679.5	603.8	547.8	503.5	493.2
87.5°	300.2	307.0	352.7	437.3	527.3	577.1	538.3	443.4	373.2	337.7	326.1
90°	187.6	197.8	230.6	283.1	371.1	434.6	395.0	298.8	248.3	212.2	204.7
92.5°	130.3	128.9	151.4	188.3	253.1	304.9	270.8	197.8	156.9	133.0	128.3
95°	86.0	89.4	101.6	124.8	171.2	203.3	178.7	131.7	103.0	86.0	83.9
97.5°	64.1	64.8	74.4	88.7	116.7	133.7	118.7	91.4	73.0	62.1	61.4
100°	50.5	51.2	58.0	66.2	81.9	92.8	83.2	68.9	56.6	48.4	48.4
102.5°	39.6	40.3	45.0	51.8	62.1	68.9	63.4	53.2	44.3	38.2	37.5
105°	31.4	31.4	35.5	40.9	48.4	53.2	49.8	41.6	34.1	30.0	30.0
107.5°	24.6	25.2	28.0	32.1	38.9	43.7	39.6	32.1	26.6	23.2	23.2
110°	19.8	19.8	21.8	25.9	31.4	35.5	32.1	25.9	21.1	19.1	19.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.4	16.4	17.7	21.1	25.9	29.3	25.9	21.1	17.1	15.7	15.7
115°	13.6	13.6	15.0	17.1	21.8	23.9	21.8	17.1	14.3	13.0	13.0
117.5°	12.3	12.3	13.0	15.0	18.4	19.8	18.4	14.3	12.3	11.6	11.6
120°	10.9	10.9	11.6	13.0	15.7	17.1	15.7	13.0	10.9	10.2	10.2
122.5°	10.2	10.2	10.2	11.6	14.3	15.0	13.6	11.6	9.6	9.6	9.6
125°	9.6	9.6	9.6	10.2	12.3	13.0	12.3	10.2	8.9	8.9	8.9
127.5°	8.9	8.9	8.9	9.6	10.9	11.6	10.9	9.6	8.2	8.2	8.2
130°	8.9	8.9	8.2	8.9	9.6	10.2	9.6	8.9	8.2	7.5	8.2
132.5°	8.2	8.2	8.2	8.2	8.9	8.9	8.9	8.2	7.5	7.5	7.5
135°	7.5	7.5	6.8	6.8	7.5	8.2	7.5	6.8	6.8	6.8	6.8
137.5°	6.8	6.1	6.1	6.1	6.8	6.8	6.8	6.1	6.1	6.1	6.1
140°	5.5	5.5	5.5	5.5	5.5	6.1	5.5	4.8	4.8	5.5	5.5
142.5°	4.8	4.8	4.8	4.1	4.8	4.8	4.8	4.1	4.1	4.1	4.1
145°	4.1	4.1	4.1	3.4	4.1	4.1	4.1	3.4	3.4	3.4	3.4
147.5°	2.7	3.4	2.7	2.7	3.4	3.4	2.7	2.7	2.7	2.7	2.7
150°	2.0	2.0	2.0	2.0	2.7	2.7	2.0	2.0	2.0	2.0	2.0
152.5°	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0	1.4	1.4	1.4
155°	1.4	1.4	1.4	1.4	2.0	2.0	1.4	1.4	1.4	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	1.4	2.0	1.4	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.7	1.4	2.0	1.4	0.7	0.0	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)