

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: P415490

Luminaire Tested: **LXF.LXT-PA1-50-740-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415490
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-PA1-50-740-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA 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: 6333 lumens
Efficiency: N/A
Efficacy: 117.3 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

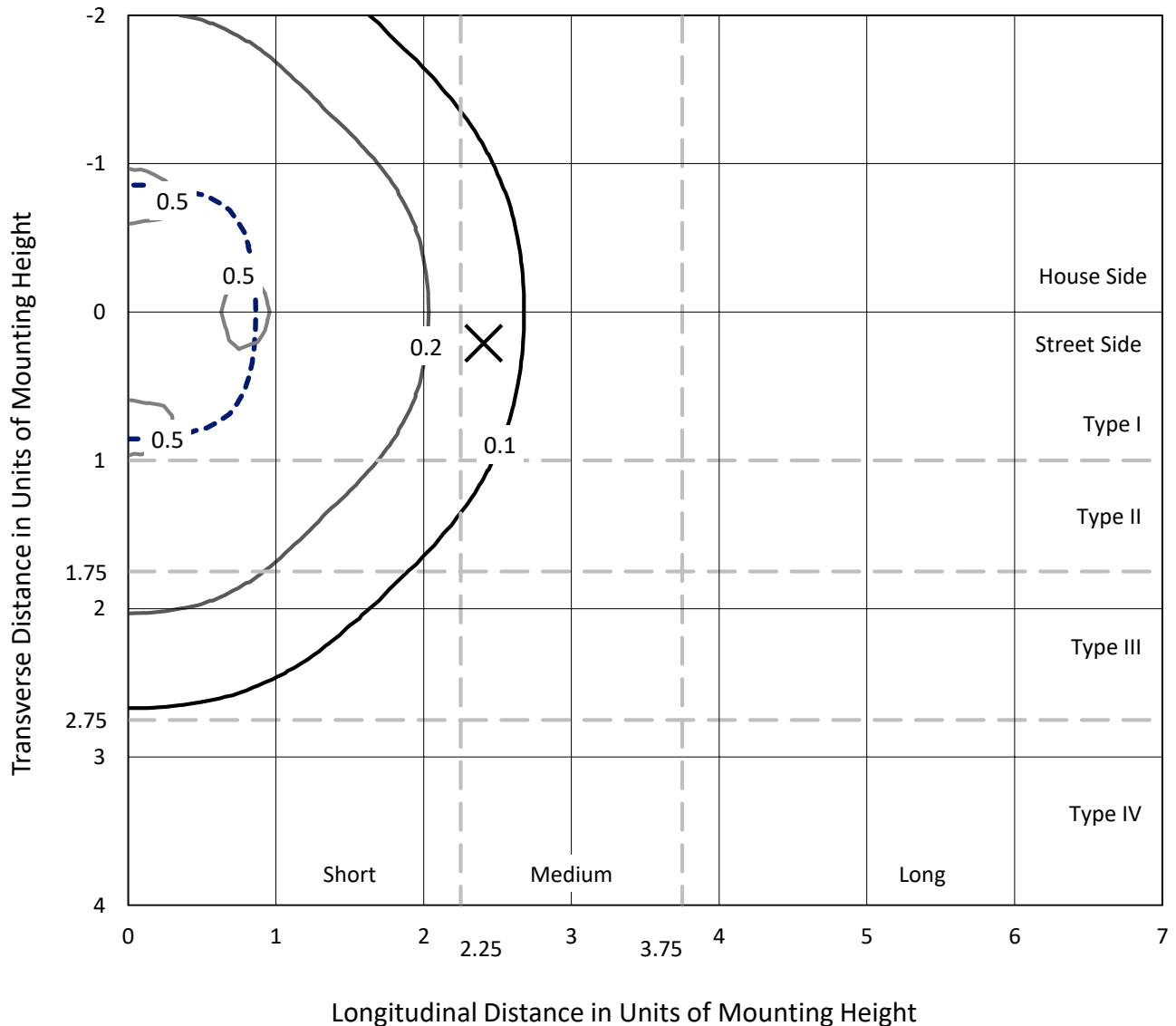
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

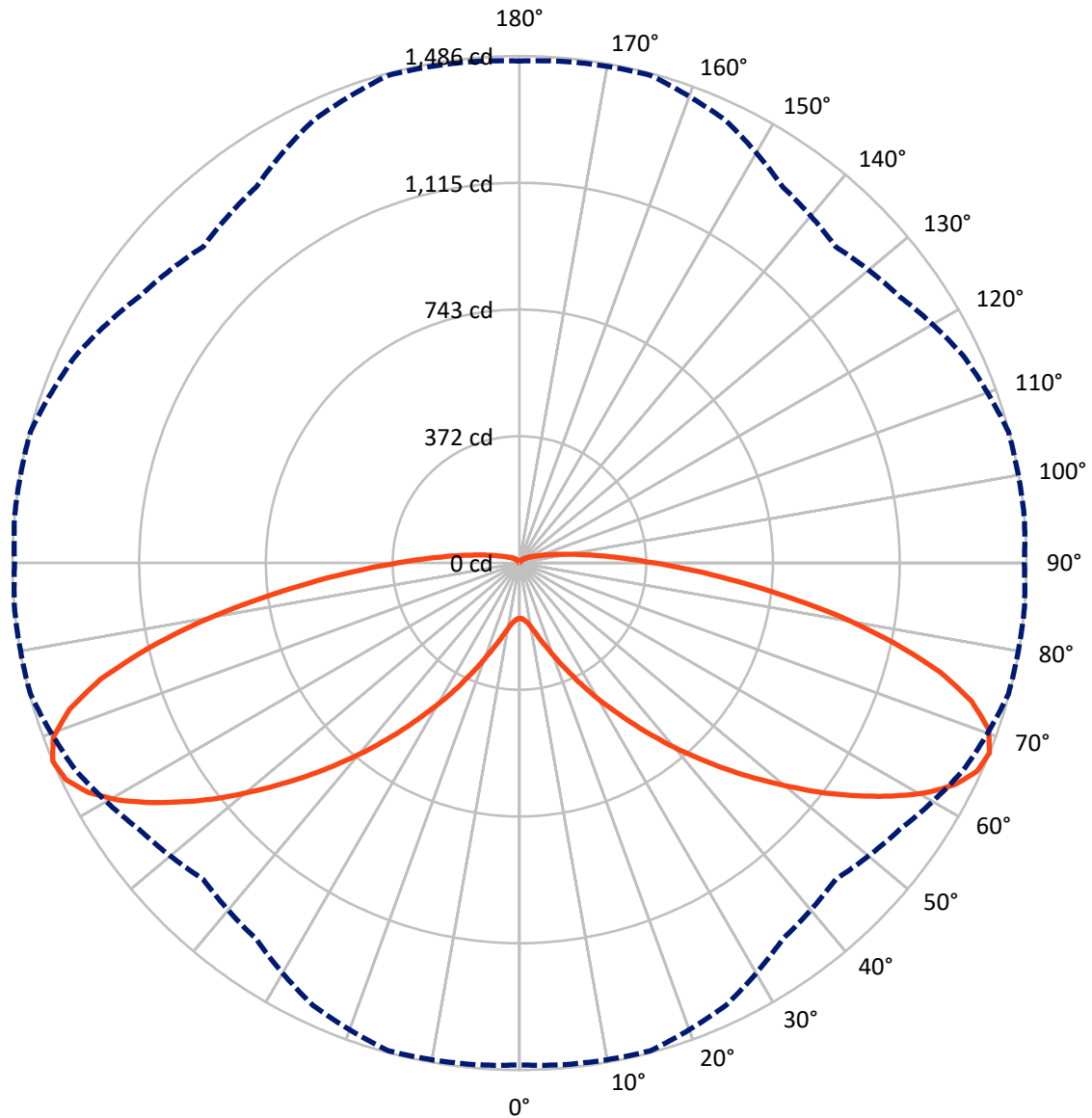
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - 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	2871.7	294.8	3166.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	2871.7	294.8	3166.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	5743.4	589.6	6333.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	0.3
10°-20°	68.8	1.1
20°-30°	174.1	2.7
30°-40°	358.3	5.7
40°-50°	644.1	10.2
50°-60°	1029.6	16.3
60°-70°	1377.6	21.8
70°-80°	1305.3	20.6
80°-90°	768.8	12.1
90°-100°	332.1	5.2
100°-110°	141.4	2.2
110°-120°	65.1	1.0
120°-130°	31.1	0.5
130°-140°	13.9	0.2
140°-150°	4.8	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5743.4	90.7
0°-180°	6333.0	100.0



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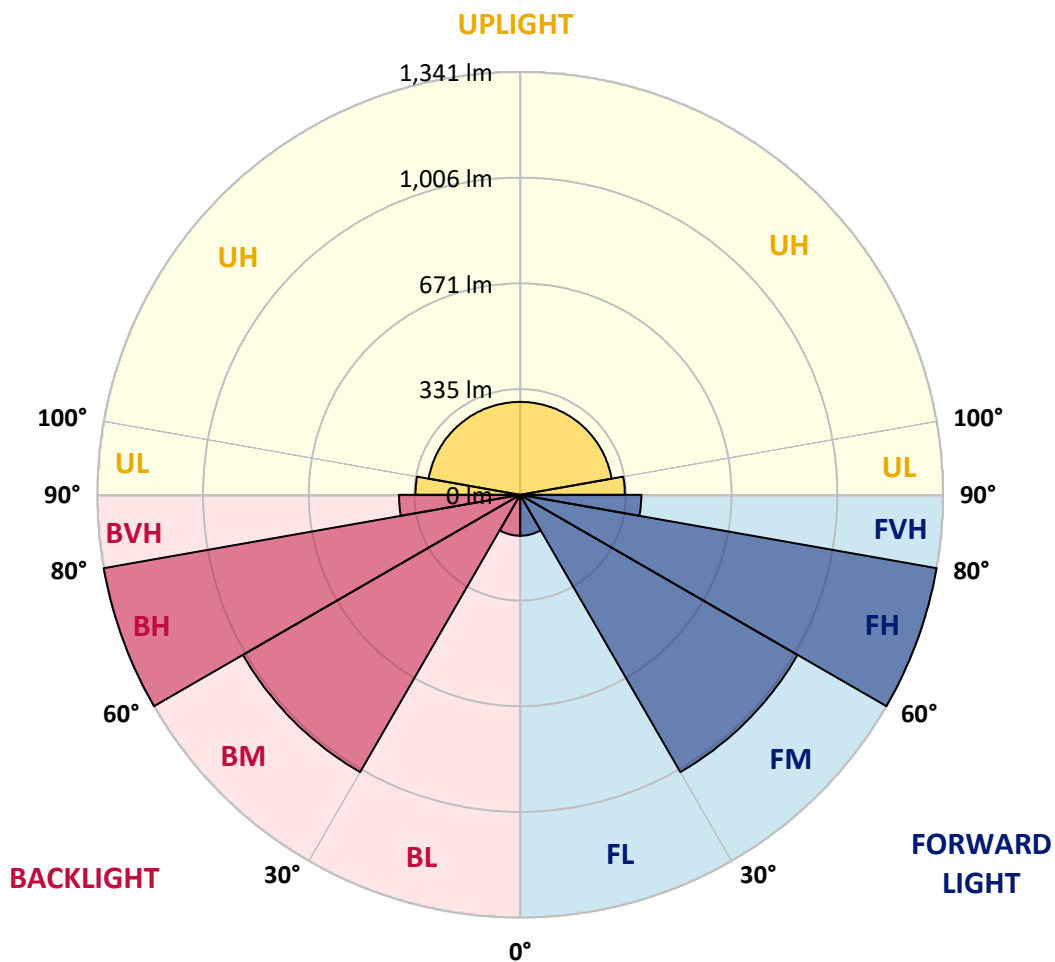
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.9	2.1			
FM (30°-60°)	1015.9	16.0			
FH (60°-80°)	1341.4	21.2			G1/1800
FVH (80°-90°)	384.4	6.1			G3/500
BL (0°-30°)	129.9	2.1	B1/500		
BM (30°-60°)	1015.9	16.0	B2/2500		
BH (60°-80°)	1341.4	21.2	B3/2500		G1/1800
BVH (80°-90°)	384.4	6.1			G3/500
UL (90°-100°)	332.1	5.2		U3/500	
UH (100°-180°)	294.8	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°	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4
2.5°	163.8	163.1	163.8	163.8	164.5	164.5	164.5	164.5	163.8	163.8	163.8
5°	169.5	169.5	169.5	169.5	170.2	170.2	170.2	169.5	169.5	169.5	169.5
7.5°	180.1	179.3	180.1	179.3	179.3	178.6	179.3	178.6	177.9	177.9	177.9
10°	193.5	193.5	193.5	192.8	192.8	192.8	191.4	191.4	191.4	192.1	191.4
12.5°	215.4	213.9	213.9	211.1	209.7	209.0	208.3	208.3	210.4	210.4	209.0
15°	240.8	240.1	240.1	236.5	233.7	229.5	230.2	233.0	233.0	234.4	233.7
17.5°	271.1	270.4	268.3	264.8	261.3	258.4	257.0	258.4	259.8	260.5	261.3
20°	304.3	303.6	300.8	297.3	293.7	292.3	287.4	289.5	290.9	292.3	291.6
22.5°	339.6	339.6	336.8	331.9	328.3	325.5	323.4	321.3	326.2	329.0	329.7
25°	382.7	381.3	376.3	370.7	366.5	364.3	361.5	361.5	365.0	370.7	372.1
27.5°	427.9	426.5	419.4	413.1	407.4	402.5	401.1	403.2	409.5	418.0	418.0
30°	478.0	475.2	468.8	459.0	449.8	444.8	446.3	449.8	459.0	468.8	468.1
32.5°	533.1	528.2	521.1	509.8	496.4	489.3	491.4	501.3	510.5	521.1	522.5
35°	591.7	591.0	579.7	564.9	547.9	536.6	540.9	554.3	568.4	583.2	585.4
37.5°	651.7	653.8	640.4	624.2	599.5	586.1	595.2	614.3	632.0	648.2	649.6
40°	725.2	723.0	709.6	685.6	656.0	641.1	648.9	675.7	698.3	718.8	720.2
42.5°	800.7	795.1	783.8	754.8	715.3	701.9	713.2	743.5	773.9	790.8	791.5
45°	872.0	874.1	861.4	826.8	783.1	762.6	778.8	814.8	850.1	868.5	870.6
47.5°	961.7	956.0	944.8	900.3	850.8	830.4	848.7	892.5	931.3	948.3	947.6
50°	1049.3	1045.7	1029.5	982.9	927.1	902.4	920.7	974.4	1016.8	1031.6	1035.1
52.5°	1132.6	1131.2	1117.0	1065.5	1005.5	975.1	1000.5	1056.3	1105.0	1119.9	1121.3
55°	1218.0	1213.8	1203.2	1149.5	1081.0	1047.1	1078.9	1141.0	1191.2	1205.3	1206.0
57.5°	1294.3	1297.1	1288.6	1232.1	1153.0	1120.6	1155.9	1225.1	1275.9	1289.3	1291.4
60°	1370.5	1371.2	1364.9	1309.8	1225.8	1189.1	1230.0	1302.0	1356.4	1368.4	1369.1
62.5°	1430.5	1432.0	1427.0	1367.0	1283.0	1247.7	1292.9	1367.7	1423.5	1432.0	1431.2
65°	1467.3	1471.5	1468.7	1414.3	1324.6	1292.1	1339.5	1417.8	1468.7	1473.6	1471.5
67.5°	1471.5	1476.4	1480.7	1431.2	1345.8	1311.2	1361.3	1436.2	1484.2	1486.3	1480.0
70°	1440.4	1445.4	1455.3	1414.3	1335.2	1306.3	1354.3	1421.4	1461.6	1458.8	1451.7
72.5°	1360.6	1371.2	1386.1	1358.5	1292.1	1268.1	1315.5	1369.1	1396.7	1386.1	1376.2
75°	1246.3	1256.8	1285.1	1269.6	1218.7	1205.3	1240.6	1280.9	1288.6	1273.1	1259.7
77.5°	1107.2	1120.6	1146.7	1158.7	1124.8	1111.4	1141.0	1162.2	1153.8	1119.9	1110.0
80°	944.8	965.9	993.5	1012.5	1004.1	999.8	1014.7	1012.5	981.5	954.6	937.7
82.5°	796.5	800.7	843.1	867.1	869.9	871.3	875.6	850.1	814.1	778.1	762.6
85°	651.0	652.4	687.7	722.3	735.7	740.0	732.2	698.3	660.9	620.7	610.1
87.5°	521.8	523.9	555.0	590.3	613.6	616.4	601.6	568.4	521.8	485.8	476.6
90°	412.4	419.4	450.5	479.4	504.2	508.4	487.2	451.9	408.8	374.2	368.6
92.5°	329.7	333.3	361.5	388.4	411.7	412.4	397.5	361.5	323.4	292.3	285.3
95°	264.8	267.6	290.2	314.9	334.0	338.2	321.3	289.5	254.2	227.4	225.9
97.5°	211.1	214.7	232.3	258.4	272.6	275.4	264.1	234.4	201.9	177.9	177.9
100°	169.5	171.6	187.1	209.0	223.8	226.7	215.4	189.2	161.0	139.8	138.4
102.5°	137.7	139.1	151.8	171.6	185.0	187.8	177.9	156.8	129.2	112.3	111.6
105°	113.0	113.7	123.6	141.9	154.6	156.8	147.6	129.2	104.5	90.4	89.7
107.5°	92.5	93.2	101.0	117.9	129.9	132.0	124.3	105.9	84.7	74.8	73.4
110°	77.7	78.4	84.0	97.4	109.4	112.3	104.5	88.3	69.9	61.4	61.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	65.7	66.4	70.6	81.9	92.5	96.0	88.3	73.4	58.6	52.3	51.5
115°	55.8	56.5	59.3	69.2	77.7	80.5	74.8	61.4	49.4	44.5	44.5
117.5°	48.7	49.4	50.8	58.6	66.4	68.5	62.8	51.5	41.7	38.8	38.8
120°	43.1	43.1	43.8	49.4	55.8	57.9	53.0	43.8	36.0	33.9	33.9
122.5°	37.4	37.4	38.1	42.4	47.3	48.7	44.5	36.7	31.1	30.4	29.7
125°	33.2	33.2	33.2	36.0	40.2	41.0	37.4	31.1	27.5	26.8	26.8
127.5°	28.9	28.9	28.9	30.4	33.2	33.9	31.1	26.1	24.0	23.3	23.3
130°	25.4	25.4	25.4	26.1	27.5	28.2	25.4	22.6	21.2	21.2	21.2
132.5°	22.6	22.6	21.9	21.9	22.6	22.6	21.2	19.1	18.4	18.4	18.4
135°	19.8	19.8	19.1	18.4	18.4	17.7	16.2	15.5	16.2	16.2	16.2
137.5°	16.9	16.9	16.2	15.5	14.8	14.1	13.4	12.7	13.4	14.1	14.1
140°	14.1	14.1	13.4	12.0	11.3	10.6	9.9	10.6	11.3	12.0	12.0
142.5°	11.3	11.3	11.3	9.9	8.5	7.8	7.8	8.5	9.2	9.9	9.9
145°	9.2	9.2	8.5	7.8	6.4	5.6	5.6	6.4	7.8	7.8	7.8
147.5°	7.1	7.1	6.4	5.6	4.2	3.5	4.2	4.9	5.6	6.4	6.4
150°	4.9	4.9	4.9	4.2	2.8	2.8	2.8	3.5	4.2	4.2	4.2
152.5°	2.8	2.8	2.8	2.8	2.1	1.4	2.1	2.8	2.8	2.8	2.8
155°	2.1	2.1	2.1	2.1	1.4	1.4	1.4	2.1	2.1	2.1	2.1
157.5°	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.7	0.7	1.4	1.4	1.4	1.4	0.7	0.7	0.7
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)