

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: P416114

Luminaire Tested: **LXF.LXT-PA1-60-830-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416114
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-PA1-60-830-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA 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: 5814 lumens
Efficiency: N/A
Efficacy: 90.8 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): 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

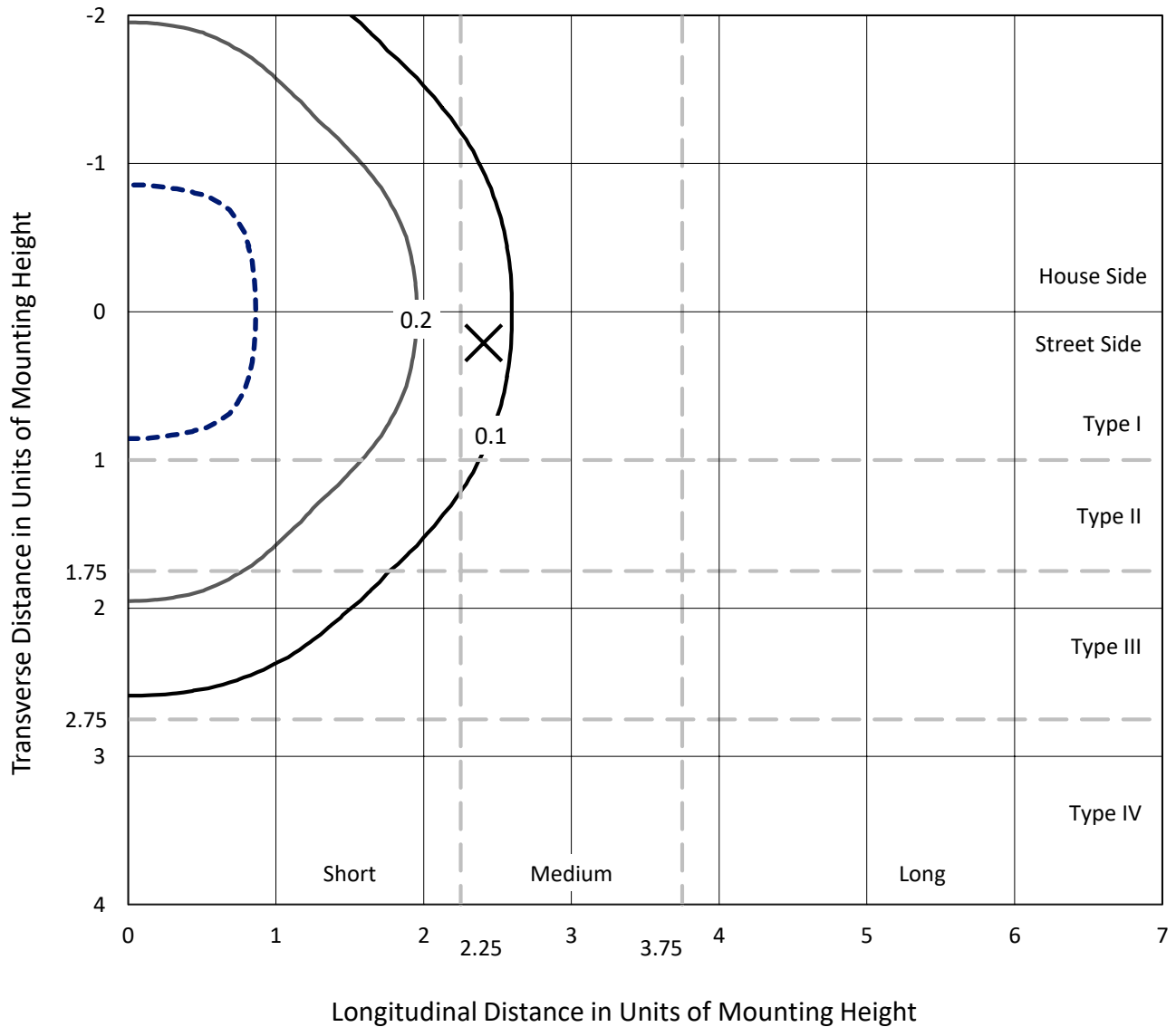


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Iso-Footcandle Lines of Horizontal Illumination

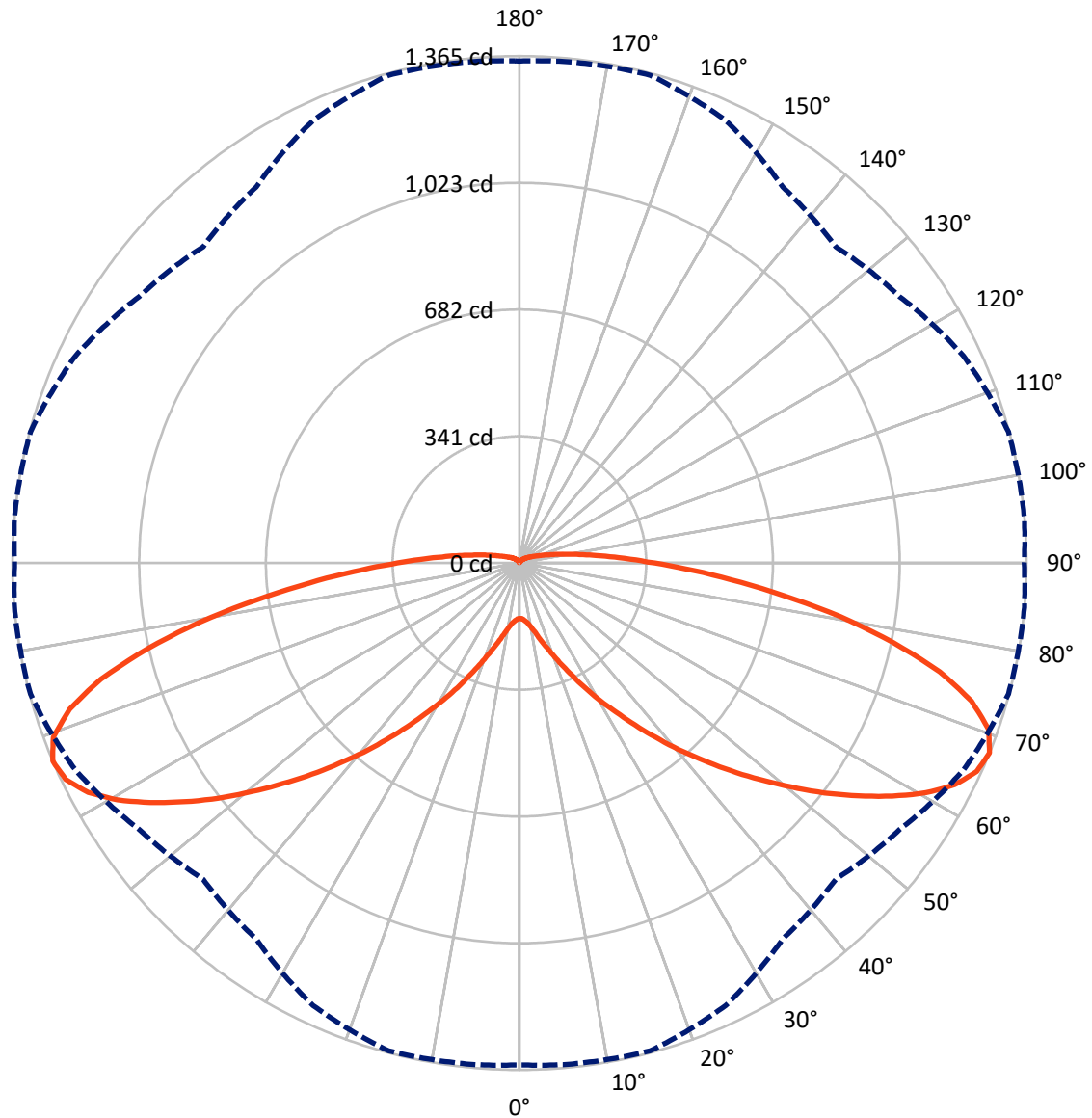
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - 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	2636.4	270.6	2907.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	2636.4	270.6	2907.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	5272.7	541.2	5814.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.3
10°-20°	63.2	1.1
20°-30°	159.8	2.7
30°-40°	328.9	5.7
40°-50°	591.3	10.2
50°-60°	945.2	16.3
60°-70°	1264.7	21.8
70°-80°	1198.3	20.6
80°-90°	705.8	12.1
90°-100°	304.9	5.2
100°-110°	129.9	2.2
110°-120°	59.8	1.0
120°-130°	28.6	0.5
130°-140°	12.8	0.2
140°-150°	4.4	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5272.7	90.7
0°-180°	5814.0	100.0



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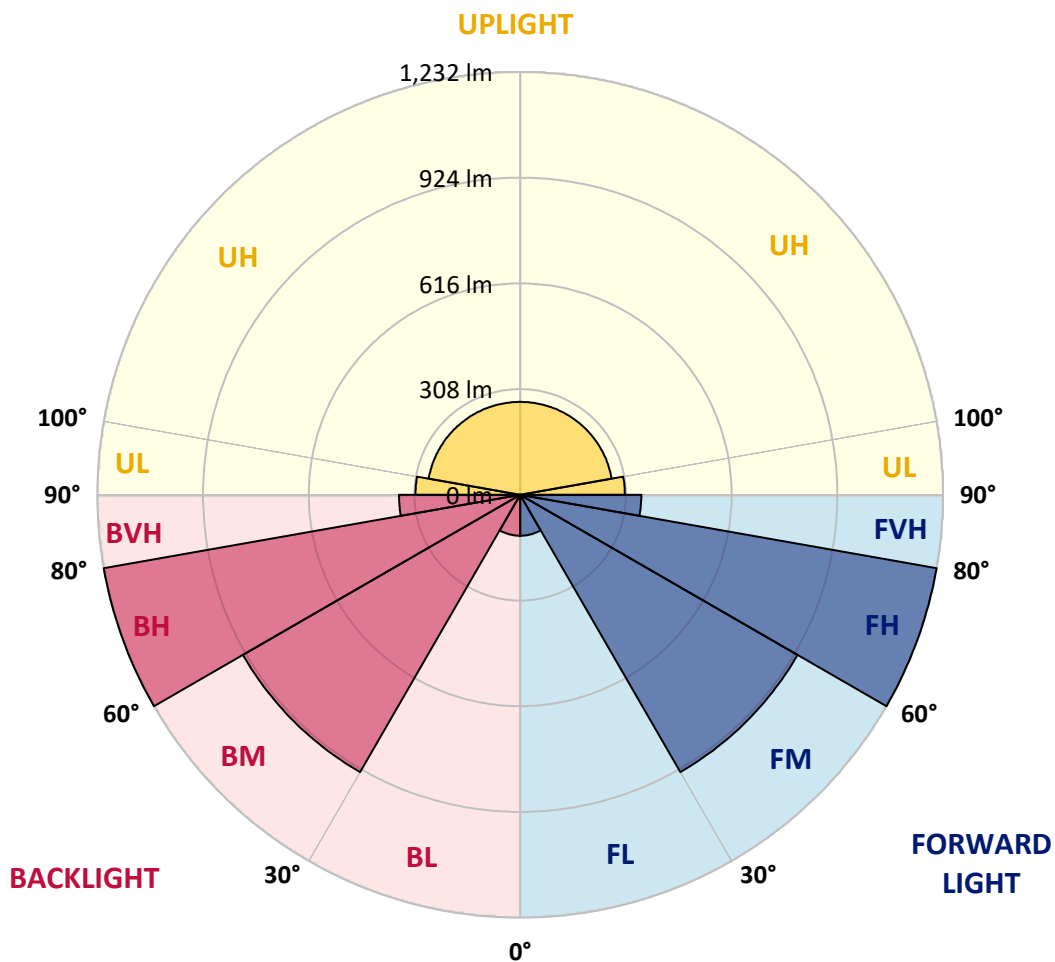
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	119.3	2.1			
FM (30°-60°)	932.7	16.0			
FH (60°-80°)	1231.5	21.2			G1/1800
FVH (80°-90°)	352.9	6.1			G3/500
BL (0°-30°)	119.3	2.1	B1/500		
BM (30°-60°)	932.7	16.0	B1/1000		
BH (60°-80°)	1231.5	21.2	B3/2500		G1/1800
BVH (80°-90°)	352.9	6.1			G3/500
UL (90°-100°)	304.9	5.2		U3/500	
UH (100°-180°)	270.6	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°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	150.4	149.7	150.4	150.4	151.0	151.0	151.0	151.0	150.4	150.4	150.4
5°	155.6	155.6	155.6	155.6	156.2	156.2	156.2	155.6	155.6	155.6	155.6
7.5°	165.3	164.6	165.3	164.6	164.6	164.0	164.6	164.0	163.4	163.4	163.4
10°	177.6	177.6	177.6	177.0	177.0	177.0	175.7	175.7	175.7	176.3	175.7
12.5°	197.7	196.4	196.4	193.8	192.5	191.9	191.2	191.2	193.2	193.2	191.9
15°	221.0	220.4	220.4	217.2	214.6	210.7	211.3	213.9	213.9	215.2	214.6
17.5°	248.9	248.3	246.3	243.1	239.8	237.3	236.0	237.3	238.5	239.2	239.8
20°	279.4	278.7	276.1	272.9	269.7	268.4	263.8	265.8	267.1	268.4	267.7
22.5°	311.8	311.8	309.2	304.7	301.4	298.8	296.9	294.9	299.5	302.1	302.7
25°	351.3	350.0	345.5	340.3	336.4	334.5	331.9	331.9	335.1	340.3	341.6
27.5°	392.8	391.5	385.0	379.2	374.0	369.5	368.2	370.1	376.0	383.8	383.8
30°	438.8	436.3	430.4	421.3	412.9	408.4	409.7	412.9	421.3	430.4	429.8
32.5°	489.4	484.9	478.4	468.0	455.7	449.2	451.2	460.2	468.7	478.4	479.7
35°	543.2	542.6	532.2	518.6	503.0	492.7	496.5	508.9	521.8	535.4	537.4
37.5°	598.3	600.3	587.9	573.0	550.3	538.0	546.5	564.0	580.2	595.1	596.4
40°	665.7	663.8	651.5	629.4	602.2	588.6	595.7	620.4	641.1	659.9	661.2
42.5°	735.1	729.9	719.5	693.0	656.7	644.3	654.7	682.6	710.5	726.0	726.7
45°	800.6	802.5	790.8	759.1	718.9	700.1	715.0	748.1	780.5	797.3	799.3
47.5°	882.9	877.7	867.3	826.5	781.1	762.3	779.2	819.4	855.0	870.6	869.9
50°	963.3	960.0	945.1	902.3	851.1	828.4	845.3	894.6	933.4	947.1	950.3
52.5°	1039.8	1038.5	1025.5	978.2	923.1	895.2	918.5	969.7	1014.5	1028.1	1029.4
55°	1118.2	1114.3	1104.6	1055.3	992.4	961.3	990.5	1047.5	1093.6	1106.5	1107.2
57.5°	1188.2	1190.8	1183.0	1131.2	1058.6	1028.7	1061.1	1124.7	1171.3	1183.7	1185.6
60°	1258.2	1258.9	1253.0	1202.5	1125.3	1091.6	1129.2	1195.3	1245.2	1256.3	1256.9
62.5°	1313.3	1314.6	1310.1	1255.0	1177.8	1145.4	1186.9	1255.6	1306.8	1314.6	1314.0
65°	1347.0	1350.9	1348.3	1298.4	1216.1	1186.3	1229.7	1301.6	1348.3	1352.8	1350.9
67.5°	1350.9	1355.4	1359.3	1314.0	1235.5	1203.8	1249.8	1318.5	1362.6	1364.5	1358.7
70°	1322.4	1326.9	1336.0	1298.4	1225.8	1199.2	1243.3	1304.9	1341.8	1339.2	1332.8
72.5°	1249.1	1258.9	1272.5	1247.2	1186.3	1164.2	1207.6	1256.9	1282.2	1272.5	1263.4
75°	1144.1	1153.8	1179.8	1165.5	1118.8	1106.5	1138.9	1175.9	1183.0	1168.8	1156.4
77.5°	1016.4	1028.7	1052.7	1063.7	1032.6	1020.3	1047.5	1067.0	1059.2	1028.1	1019.0
80°	867.3	886.8	912.1	929.6	921.8	917.9	931.5	929.6	901.0	876.4	860.8
82.5°	731.2	735.1	774.0	796.0	798.6	799.9	803.8	780.5	747.4	714.3	700.1
85°	597.7	599.0	631.4	663.1	675.5	679.3	672.2	641.1	606.7	569.8	560.1
87.5°	479.0	481.0	509.5	541.9	563.3	565.9	552.3	521.8	479.0	446.0	437.6
90°	378.6	385.0	413.6	440.1	462.8	466.7	447.3	414.9	375.3	343.6	338.4
92.5°	302.7	306.0	331.9	356.5	377.9	378.6	365.0	331.9	296.9	268.4	261.9
95°	243.1	245.7	266.4	289.1	306.6	310.5	294.9	265.8	233.4	208.7	207.4
97.5°	193.8	197.1	213.3	237.3	250.2	252.8	242.4	215.2	185.4	163.4	163.4
100°	155.6	157.5	171.8	191.9	205.5	208.1	197.7	173.7	147.8	128.3	127.1
102.5°	126.4	127.7	139.4	157.5	169.8	172.4	163.4	143.9	118.6	103.1	102.4
105°	103.7	104.4	113.4	130.3	142.0	143.9	135.5	118.6	95.9	83.0	82.3
107.5°	84.9	85.6	92.7	108.3	119.3	121.2	114.1	97.2	77.8	68.7	67.4
110°	71.3	72.0	77.1	89.5	100.5	103.1	95.9	81.0	64.2	56.4	56.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	60.3	60.9	64.8	75.2	84.9	88.2	81.0	67.4	53.8	48.0	47.3
115°	51.2	51.9	54.5	63.5	71.3	73.9	68.7	56.4	45.4	40.8	40.8
117.5°	44.7	45.4	46.7	53.8	60.9	62.9	57.7	47.3	38.2	35.7	35.7
120°	39.5	39.5	40.2	45.4	51.2	53.2	48.6	40.2	33.1	31.1	31.1
122.5°	34.4	34.4	35.0	38.9	43.4	44.7	40.8	33.7	28.5	27.9	27.2
125°	30.5	30.5	30.5	33.1	36.9	37.6	34.4	28.5	25.3	24.6	24.6
127.5°	26.6	26.6	26.6	27.9	30.5	31.1	28.5	24.0	22.0	21.4	21.4
130°	23.3	23.3	23.3	24.0	25.3	25.9	23.3	20.7	19.4	19.4	19.4
132.5°	20.7	20.7	20.1	20.1	20.7	20.7	19.4	17.5	16.9	16.9	16.9
135°	18.2	18.2	17.5	16.9	16.9	16.2	14.9	14.3	14.9	14.9	14.9
137.5°	15.6	15.6	14.9	14.3	13.6	13.0	12.3	11.7	12.3	13.0	13.0
140°	13.0	13.0	12.3	11.0	10.4	9.7	9.1	9.7	10.4	11.0	11.0
142.5°	10.4	10.4	10.4	9.1	7.8	7.1	7.1	7.8	8.4	9.1	9.1
145°	8.4	8.4	7.8	7.1	5.8	5.2	5.2	5.8	7.1	7.1	7.1
147.5°	6.5	6.5	5.8	5.2	3.9	3.2	3.9	4.5	5.2	5.8	5.8
150°	4.5	4.5	4.5	3.9	2.6	2.6	2.6	3.2	3.9	3.9	3.9
152.5°	2.6	2.6	2.6	2.6	1.9	1.3	1.9	2.6	2.6	2.6	2.6
155°	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.9	1.9	1.9	1.9
157.5°	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.6	0.6	1.3	1.3	1.3	1.3	0.6	0.6	0.6
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)