

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: P416478

Luminaire Tested: **LXF.LXT-PA1-70-827-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416478
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-PA1-70-827-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA 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: 6032 lumens
Efficiency: N/A
Efficacy: 81.5 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

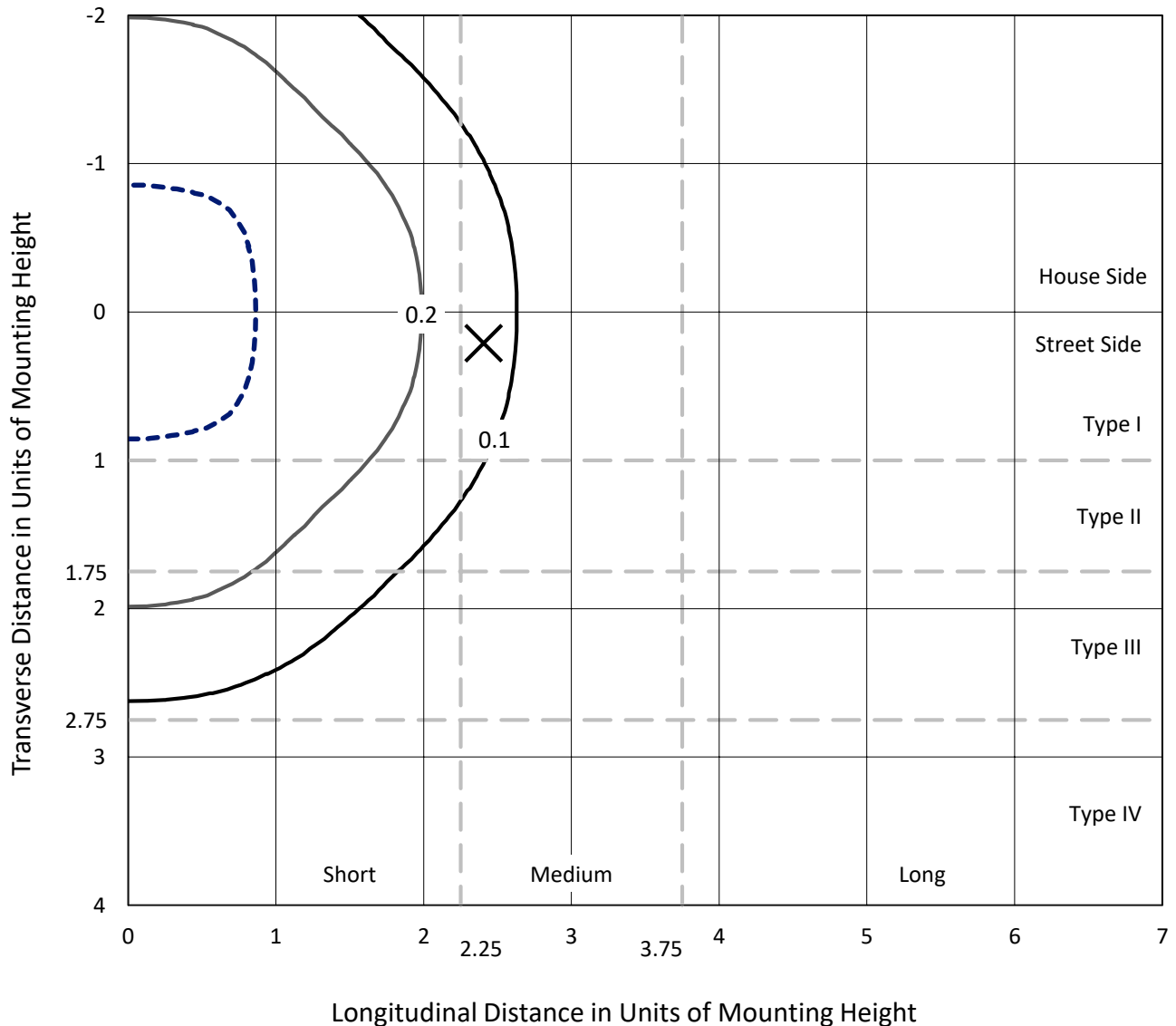
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

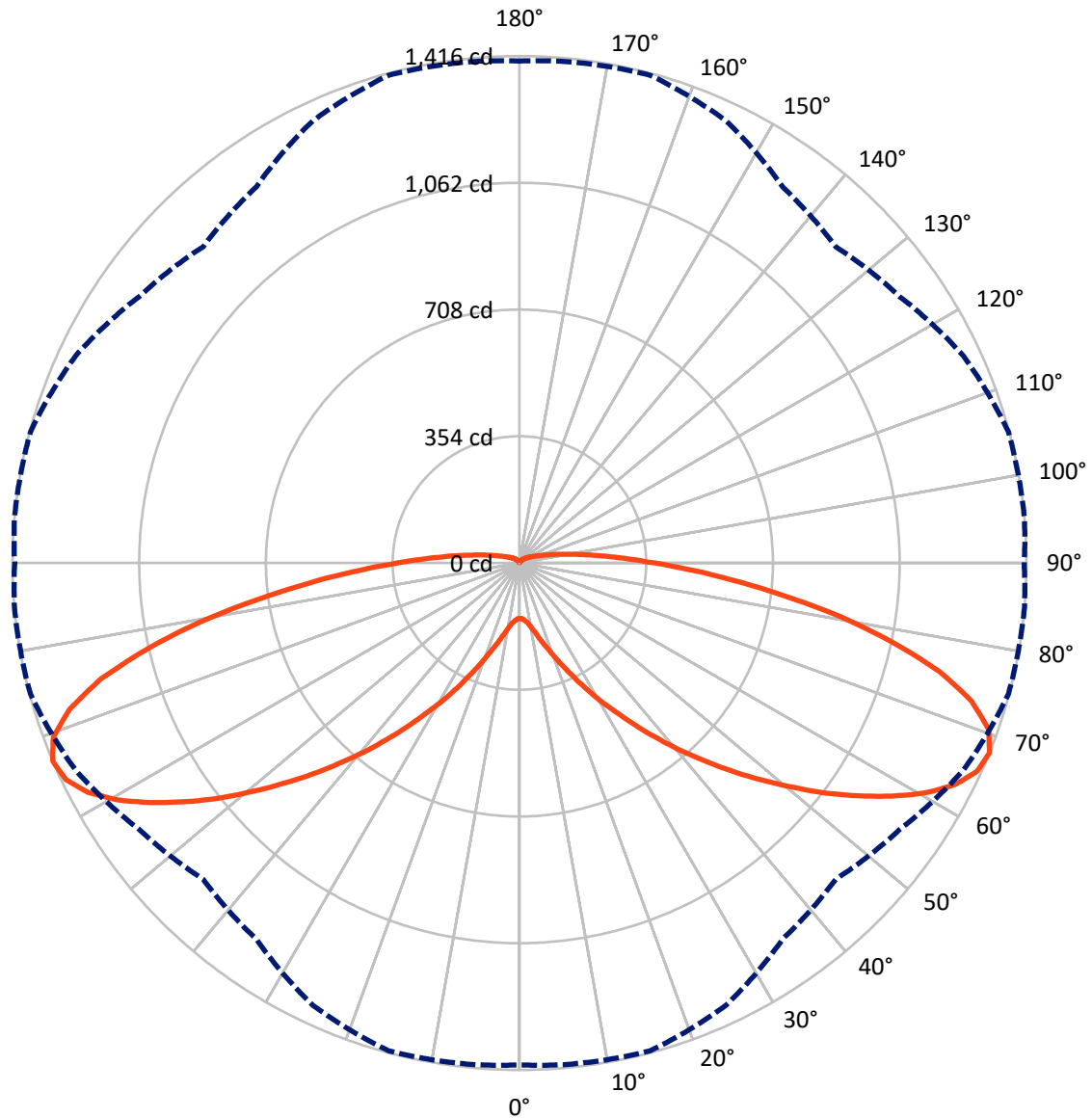


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Medium - Non-Cutoff

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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	2735.2	280.8	3016.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	2735.2	280.8	3016.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	5470.4	561.5	6032.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.3
10°-20°	65.6	1.1
20°-30°	165.8	2.7
30°-40°	341.2	5.7
40°-50°	613.5	10.2
50°-60°	980.6	16.3
60°-70°	1312.1	21.8
70°-80°	1243.3	20.6
80°-90°	732.3	12.1
90°-100°	316.3	5.2
100°-110°	134.7	2.2
110°-120°	62.0	1.0
120°-130°	29.7	0.5
130°-140°	13.3	0.2
140°-150°	4.5	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5470.4	90.7
0°-180°	6032.0	100.0



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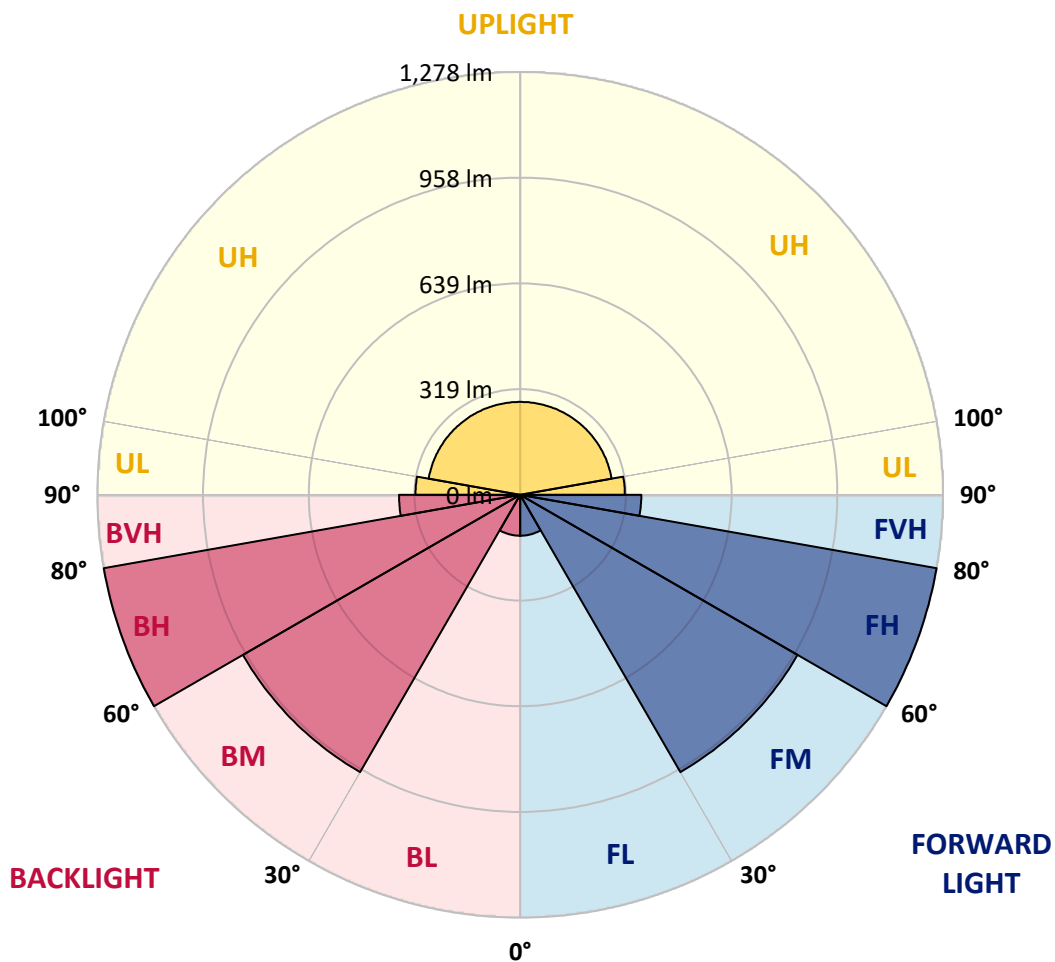
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.7	2.1			
FM	(30°-60°)	967.7	16.0			
FH	(60°-80°)	1277.7	21.2			G1/1800
FVH	(80°-90°)	366.1	6.1			G3/500
BL	(0°-30°)	123.7	2.1	B1/500		
BM	(30°-60°)	967.7	16.0	B1/1000		
BH	(60°-80°)	1277.7	21.2	B3/2500		G1/1800
BVH	(80°-90°)	366.1	6.1			G3/500
UL	(90°-100°)	316.3	5.2		U3/500	
UH	(100°-180°)	280.8	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°	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7
2.5°	156.0	155.4	156.0	156.0	156.7	156.7	156.7	156.7	156.0	156.0	156.0
5°	161.4	161.4	161.4	161.4	162.1	162.1	162.1	161.4	161.4	161.4	161.4
7.5°	171.5	170.8	171.5	170.8	170.8	170.2	170.8	170.2	169.5	169.5	169.5
10°	184.3	184.3	184.3	183.6	183.6	183.6	182.3	182.3	182.3	182.3	182.3
12.5°	205.1	203.8	203.8	201.1	199.7	199.1	198.4	198.4	200.4	200.4	199.1
15°	229.3	228.7	228.7	225.3	222.6	218.6	219.2	221.9	221.9	223.3	222.6
17.5°	258.3	257.6	255.6	252.2	248.8	246.1	244.8	246.1	247.5	248.2	248.8
20°	289.9	289.2	286.5	283.1	279.8	278.4	273.7	275.7	277.1	278.4	277.8
22.5°	323.5	323.5	320.8	316.1	312.7	310.0	308.0	306.0	310.7	313.4	314.1
25°	364.5	363.2	358.5	353.1	349.0	347.0	344.3	344.3	347.7	353.1	354.4
27.5°	407.6	406.2	399.5	393.4	388.1	383.3	382.0	384.0	390.1	398.1	398.1
30°	455.3	452.6	446.6	437.1	428.4	423.7	425.0	428.4	437.1	446.6	445.9
32.5°	507.8	503.1	496.3	485.6	472.8	466.1	468.1	477.5	486.2	496.3	497.7
35°	563.6	562.9	552.1	538.0	521.9	511.1	515.2	527.9	541.4	555.5	557.5
37.5°	620.7	622.8	610.0	594.5	571.0	558.2	566.9	585.1	601.9	617.4	618.7
40°	690.7	688.7	675.9	653.0	624.8	610.7	618.1	643.6	665.1	684.6	686.0
42.5°	762.7	757.3	746.5	718.9	681.3	668.5	679.3	708.2	737.1	753.2	753.9
45°	830.6	832.6	820.5	787.5	745.8	726.3	741.8	776.1	809.7	827.2	829.2
47.5°	916.0	910.6	899.8	857.5	810.4	790.9	808.4	850.1	887.1	903.2	902.5
50°	999.4	996.0	980.6	936.2	883.0	859.5	877.0	928.1	968.4	982.6	985.9
52.5°	1078.7	1077.4	1063.9	1014.9	957.7	928.8	953.0	1006.1	1052.5	1066.6	1068.0
55°	1160.1	1156.1	1146.0	1094.9	1029.6	997.4	1027.6	1086.8	1134.6	1148.0	1148.7
57.5°	1232.8	1235.4	1227.4	1173.6	1098.2	1067.3	1100.9	1166.8	1215.3	1228.0	1230.1
60°	1305.4	1306.1	1300.0	1247.5	1167.5	1132.5	1171.6	1240.2	1291.9	1303.4	1304.0
62.5°	1362.6	1363.9	1359.2	1302.0	1222.0	1188.4	1231.4	1302.7	1355.8	1363.9	1363.2
65°	1397.5	1401.6	1398.9	1347.1	1261.7	1230.7	1275.8	1350.4	1398.9	1403.6	1401.6
67.5°	1401.6	1406.3	1410.3	1363.2	1281.8	1248.9	1296.6	1367.9	1413.7	1415.7	1409.6
70°	1372.0	1376.7	1386.1	1347.1	1271.8	1244.2	1289.9	1353.8	1392.1	1389.5	1382.7
72.5°	1296.0	1306.1	1320.2	1294.0	1230.7	1207.9	1252.9	1304.0	1330.3	1320.2	1310.8
75°	1187.0	1197.1	1224.0	1209.2	1160.8	1148.0	1181.6	1220.0	1227.4	1212.6	1199.8
77.5°	1054.5	1067.3	1092.2	1103.6	1071.3	1058.6	1086.8	1107.0	1098.9	1066.6	1057.2
80°	899.8	920.0	946.3	964.4	956.3	952.3	966.4	964.4	934.8	909.3	893.1
82.5°	758.6	762.7	803.0	825.9	828.6	829.9	833.9	809.7	775.4	741.1	726.3
85°	620.1	621.4	655.0	688.0	700.8	704.8	697.4	665.1	629.5	591.2	581.1
87.5°	497.0	499.0	528.6	562.2	584.4	587.1	573.0	541.4	497.0	462.7	454.0
90°	392.8	399.5	429.1	456.6	480.2	484.2	464.0	430.4	389.4	356.4	351.1
92.5°	314.1	317.4	344.3	369.9	392.1	392.8	378.6	344.3	308.0	278.4	271.7
95°	252.2	254.9	276.4	299.9	318.1	322.1	306.0	275.7	242.1	216.6	215.2
97.5°	201.1	204.4	221.3	246.1	259.6	262.3	251.5	223.3	192.3	169.5	169.5
100°	161.4	163.4	178.2	199.1	213.2	215.9	205.1	180.2	153.3	133.2	131.8
102.5°	131.1	132.5	144.6	163.4	176.2	178.9	169.5	149.3	123.1	106.9	106.3
105°	107.6	108.3	117.7	135.2	147.3	149.3	140.6	123.1	99.5	86.1	85.4
107.5°	88.1	88.8	96.2	112.3	123.7	125.8	118.4	100.9	80.7	71.3	69.9
110°	74.0	74.7	80.0	92.8	104.2	106.9	99.5	84.1	66.6	58.5	58.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	62.5	63.2	67.3	78.0	88.1	91.5	84.1	69.9	55.8	49.8	49.1
115°	53.1	53.8	56.5	65.9	74.0	76.7	71.3	58.5	47.1	42.4	42.4
117.5°	46.4	47.1	48.4	55.8	63.2	65.2	59.9	49.1	39.7	37.0	37.0
120°	41.0	41.0	41.7	47.1	53.1	55.1	50.4	41.7	34.3	32.3	32.3
122.5°	35.6	35.6	36.3	40.4	45.1	46.4	42.4	35.0	29.6	28.9	28.2
125°	31.6	31.6	31.6	34.3	38.3	39.0	35.6	29.6	26.2	25.6	25.6
127.5°	27.6	27.6	27.6	28.9	31.6	32.3	29.6	24.9	22.9	22.2	22.2
130°	24.2	24.2	24.2	24.9	26.2	26.9	24.2	21.5	20.2	20.2	20.2
132.5°	21.5	21.5	20.8	20.8	21.5	21.5	20.2	18.2	17.5	17.5	17.5
135°	18.8	18.8	18.2	17.5	17.5	16.8	15.5	14.8	15.5	15.5	15.5
137.5°	16.1	16.1	15.5	14.8	14.1	13.5	12.8	12.1	12.8	13.5	13.5
140°	13.5	13.5	12.8	11.4	10.8	10.1	9.4	10.1	10.8	11.4	11.4
142.5°	10.8	10.8	10.8	9.4	8.1	7.4	7.4	8.1	8.7	9.4	9.4
145°	8.7	8.7	8.1	7.4	6.1	5.4	5.4	6.1	7.4	7.4	7.4
147.5°	6.7	6.7	6.1	5.4	4.0	3.4	4.0	4.7	5.4	6.1	6.1
150°	4.7	4.7	4.7	4.0	2.7	2.7	2.7	3.4	4.0	4.0	4.0
152.5°	2.7	2.7	2.7	2.7	2.0	1.3	2.0	2.7	2.7	2.7	2.7
155°	2.0	2.0	2.0	2.0	1.3	1.3	1.3	2.0	2.0	2.0	2.0
157.5°	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.7	0.7	1.3	1.3	1.3	1.3	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)