

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: P416218

Luminaire Tested: **LXF.LXT-PA1-70-727-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416218
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-PA1-70-727-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 6862 lumens
Efficiency: N/A
Efficacy: 92.7 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

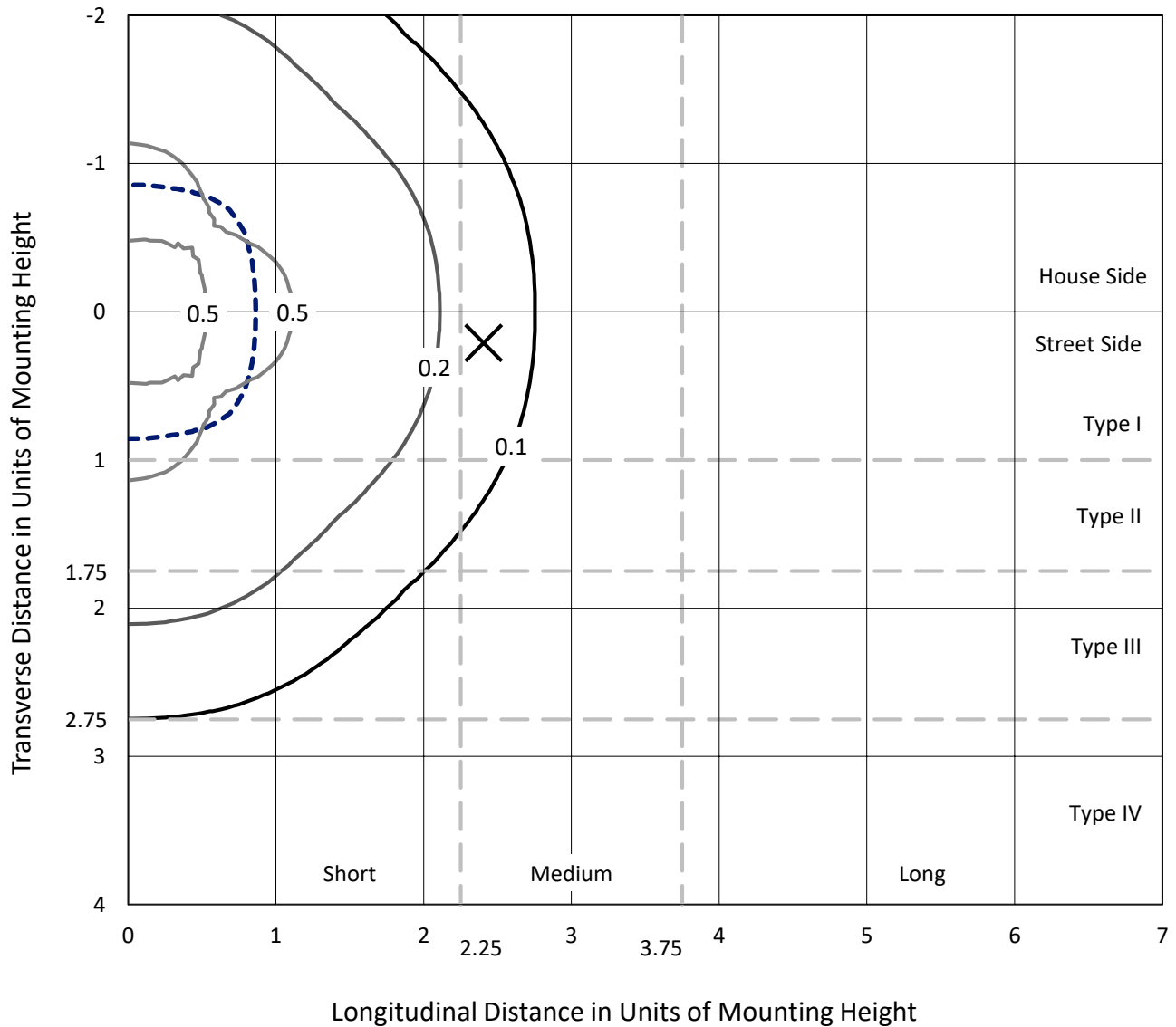
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

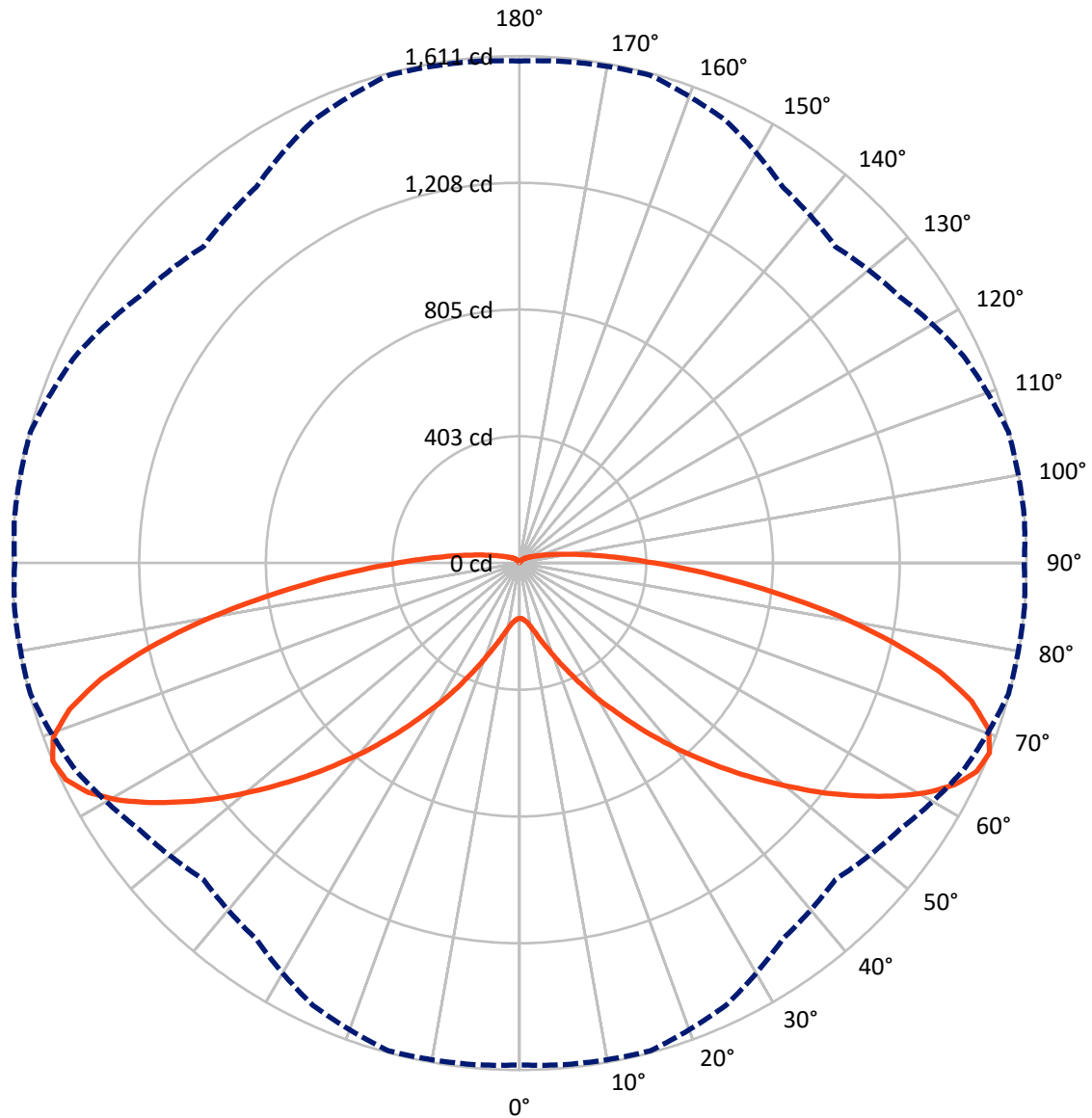
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	3111.6	319.4	3431.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	3111.6	319.4	3431.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	6223.2	638.8	6862.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.3
10°-20°	74.6	1.1
20°-30°	188.6	2.7
30°-40°	388.2	5.7
40°-50°	697.9	10.2
50°-60°	1115.6	16.3
60°-70°	1492.6	21.8
70°-80°	1414.4	20.6
80°-90°	833.1	12.1
90°-100°	359.9	5.2
100°-110°	153.3	2.2
110°-120°	70.6	1.0
120°-130°	33.8	0.5
130°-140°	15.1	0.2
140°-150°	5.1	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6223.2	90.7
0°-180°	6862.0	100.0



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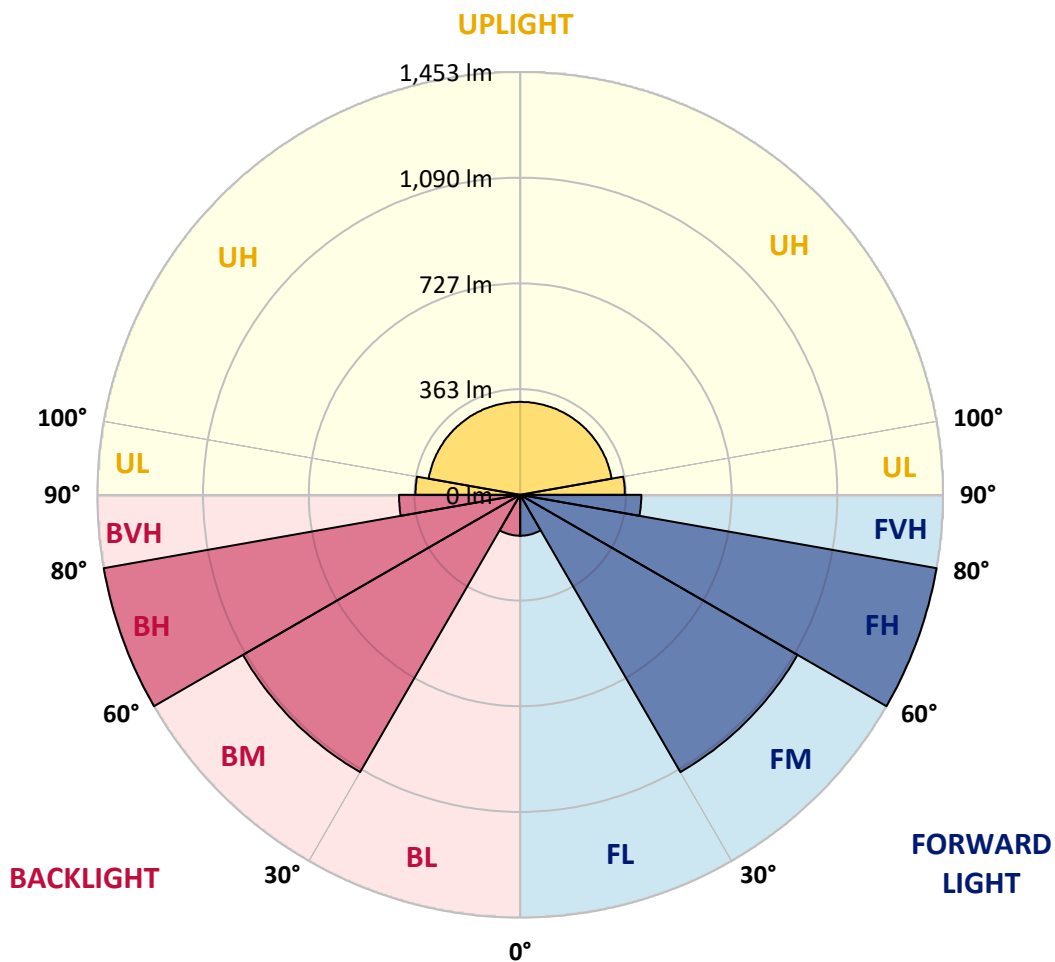
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.8	2.1			
FM	(30°-60°)	1100.8	16.0			
FH	(60°-80°)	1453.5	21.2			G1/1800
FVH	(80°-90°)	416.5	6.1			G3/500
BL	(0°-30°)	140.8	2.1	B1/500		
BM	(30°-60°)	1100.8	16.0	B2/2500		
BH	(60°-80°)	1453.5	21.2	B3/2500		G1/1800
BVH	(80°-90°)	416.5	6.1			G3/500
UL	(90°-100°)	359.9	5.2		U3/500	
UH	(100°-180°)	319.4	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°	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0	176.0
2.5°	177.5	176.7	177.5	177.5	178.3	178.3	178.3	178.3	177.5	177.5	177.5
5°	183.6	183.6	183.6	183.6	184.4	184.4	184.4	183.6	183.6	183.6	183.6
7.5°	195.1	194.3	195.1	194.3	194.3	193.6	194.3	193.6	192.8	192.8	192.8
10°	209.6	209.6	209.6	208.9	208.9	208.9	207.3	207.3	207.3	208.1	207.3
12.5°	233.3	231.8	231.8	228.8	227.2	226.5	225.7	225.7	228.0	228.0	226.5
15°	260.9	260.1	260.1	256.3	253.2	248.6	249.4	252.5	252.5	254.0	253.2
17.5°	293.8	293.0	290.7	286.9	283.1	280.0	278.5	280.0	281.5	282.3	283.1
20°	329.7	329.0	325.9	322.1	318.3	316.7	311.4	313.7	315.2	316.7	316.0
22.5°	368.0	368.0	364.9	359.6	355.8	352.7	350.4	348.1	353.5	356.5	357.3
25°	414.7	413.1	407.8	401.7	397.1	394.8	391.7	391.7	395.5	401.7	403.2
27.5°	463.6	462.1	454.5	447.6	441.4	436.1	434.6	436.9	443.7	452.9	452.9
30°	518.0	514.9	508.0	497.3	487.4	482.0	483.5	487.4	497.3	508.0	507.2
32.5°	577.6	572.3	564.6	552.4	537.8	530.2	532.5	543.2	553.1	564.6	566.2
35°	641.1	640.4	628.1	612.1	593.7	581.5	586.0	600.6	615.9	632.0	634.2
37.5°	706.2	708.5	693.9	676.3	649.5	635.0	645.0	665.6	684.7	702.3	703.9
40°	785.7	783.4	768.9	742.9	710.8	694.7	703.1	732.2	756.7	778.8	780.4
42.5°	867.6	861.5	849.2	817.9	775.0	760.5	772.7	805.6	838.5	856.9	857.6
45°	944.9	947.2	933.4	895.9	848.5	826.3	843.9	882.9	921.1	941.0	943.3
47.5°	1042.0	1035.9	1023.7	975.5	921.9	899.7	919.6	967.1	1009.1	1027.5	1026.7
50°	1136.9	1133.1	1115.5	1065.0	1004.5	977.8	997.7	1055.8	1101.7	1117.8	1121.6
52.5°	1227.2	1225.6	1210.3	1154.5	1089.5	1056.6	1084.1	1144.5	1197.3	1213.4	1214.9
55°	1319.8	1315.2	1303.7	1245.5	1171.3	1134.6	1169.0	1236.4	1290.7	1306.0	1306.7
57.5°	1402.4	1405.4	1396.3	1335.1	1249.4	1214.2	1252.4	1327.4	1382.5	1397.0	1399.3
60°	1485.0	1485.8	1478.9	1419.2	1328.2	1288.4	1332.8	1410.8	1469.7	1482.7	1483.5
62.5°	1550.0	1551.6	1546.2	1481.2	1390.1	1351.9	1400.8	1481.9	1542.4	1551.6	1550.8
65°	1589.8	1594.4	1591.4	1532.4	1435.3	1400.1	1451.3	1536.3	1591.4	1596.7	1594.4
67.5°	1594.4	1599.8	1604.4	1550.8	1458.2	1420.7	1475.1	1556.2	1608.2	1610.5	1603.6
70°	1560.7	1566.1	1576.8	1532.4	1446.8	1415.4	1467.4	1540.1	1583.7	1580.6	1573.0
72.5°	1474.3	1485.8	1501.8	1472.0	1400.1	1374.1	1425.3	1483.5	1513.3	1501.8	1491.1
75°	1350.4	1361.8	1392.4	1375.6	1320.5	1306.0	1344.2	1387.8	1396.3	1379.4	1364.9
77.5°	1199.6	1214.2	1242.5	1255.5	1218.8	1204.2	1236.4	1259.3	1250.1	1213.4	1202.7
80°	1023.7	1046.6	1076.5	1097.1	1087.9	1083.3	1099.4	1097.1	1063.5	1034.4	1016.0
82.5°	863.0	867.6	913.5	939.5	942.6	944.1	948.7	921.1	882.1	843.1	826.3
85°	705.4	706.9	745.2	782.7	797.2	801.8	793.4	756.7	716.1	672.5	661.0
87.5°	565.4	567.7	601.3	639.6	664.8	667.9	651.8	615.9	565.4	526.4	516.4
90°	446.8	454.5	488.1	519.5	546.3	550.9	527.9	489.6	443.0	405.5	399.4
92.5°	357.3	361.1	391.7	420.8	446.0	446.8	430.7	391.7	350.4	316.7	309.1
95°	286.9	290.0	314.4	341.2	361.9	366.5	348.1	313.7	275.4	246.4	244.8
97.5°	228.8	232.6	251.7	280.0	295.3	298.4	286.1	254.0	218.8	192.8	192.8
100°	183.6	185.9	202.7	226.5	242.5	245.6	233.3	205.0	174.4	151.5	150.0
102.5°	149.2	150.7	164.5	185.9	200.4	203.5	192.8	169.8	140.0	121.6	120.9
105°	122.4	123.2	133.9	153.8	167.6	169.8	159.9	140.0	113.2	97.9	97.2
107.5°	100.2	101.0	109.4	127.8	140.8	143.1	134.7	114.8	91.8	81.1	79.6
110°	84.2	84.9	91.0	105.6	118.6	121.6	113.2	95.6	75.7	66.6	66.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	71.2	71.9	76.5	88.7	100.2	104.0	95.6	79.6	63.5	56.6	55.9
115°	60.4	61.2	64.3	75.0	84.2	87.2	81.1	66.6	53.6	48.2	48.2
117.5°	52.8	53.6	55.1	63.5	71.9	74.2	68.1	55.9	45.1	42.1	42.1
120°	46.7	46.7	47.4	53.6	60.4	62.7	57.4	47.4	39.0	36.7	36.7
122.5°	40.5	40.5	41.3	45.9	51.3	52.8	48.2	39.8	33.7	32.9	32.1
125°	36.0	36.0	36.0	39.0	43.6	44.4	40.5	33.7	29.8	29.1	29.1
127.5°	31.4	31.4	31.4	32.9	36.0	36.7	33.7	28.3	26.0	25.2	25.2
130°	27.5	27.5	27.5	28.3	29.8	30.6	27.5	24.5	23.0	23.0	23.0
132.5°	24.5	24.5	23.7	23.7	24.5	24.5	23.0	20.7	19.9	19.9	19.9
135°	21.4	21.4	20.7	19.9	19.9	19.1	17.6	16.8	17.6	17.6	17.6
137.5°	18.4	18.4	17.6	16.8	16.1	15.3	14.5	13.8	14.5	15.3	15.3
140°	15.3	15.3	14.5	13.0	12.2	11.5	10.7	11.5	12.2	13.0	13.0
142.5°	12.2	12.2	12.2	10.7	9.2	8.4	8.4	9.2	9.9	10.7	10.7
145°	9.9	9.9	9.2	8.4	6.9	6.1	6.1	6.9	8.4	8.4	8.4
147.5°	7.7	7.7	6.9	6.1	4.6	3.8	4.6	5.4	6.1	6.9	6.9
150°	5.4	5.4	5.4	4.6	3.1	3.1	3.1	3.8	4.6	4.6	4.6
152.5°	3.1	3.1	3.1	3.1	2.3	1.5	2.3	3.1	3.1	3.1	3.1
155°	2.3	2.3	2.3	2.3	1.5	1.5	1.5	2.3	2.3	2.3	2.3
157.5°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
160°	0.0	0.0	0.8	0.8	1.5	1.5	1.5	1.5	0.8	0.8	0.8
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)