

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: P416894

Luminaire Tested: **LXF.LXT-PA1-80-827-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416894
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-PA1-80-827-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 6593 lumens
Efficiency: N/A
Efficacy: 79.4 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): 83
Input Voltage (V): NR
Input Current (A_{in}): 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

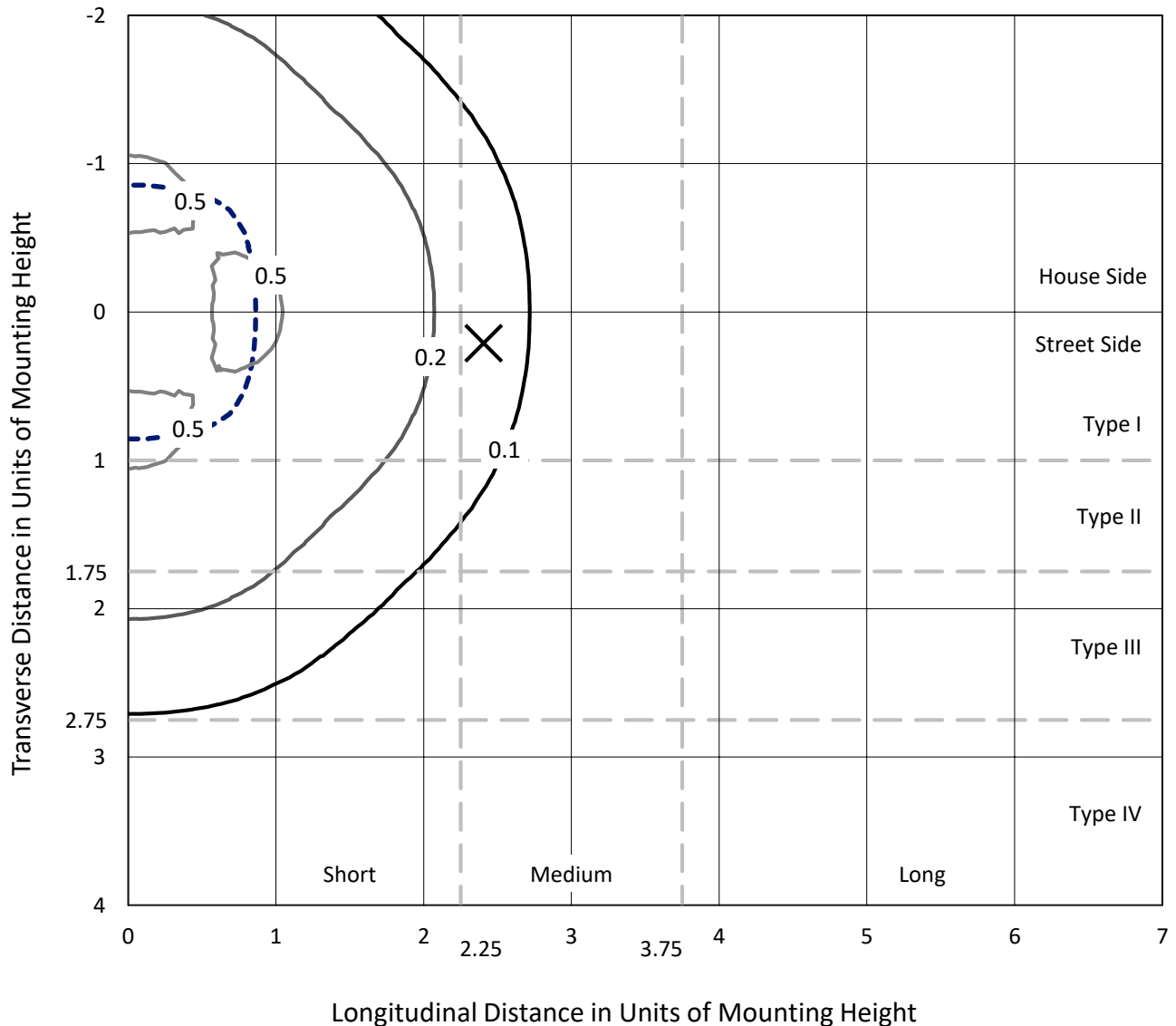


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Iso-Footcandle Lines of Horizontal Illumination

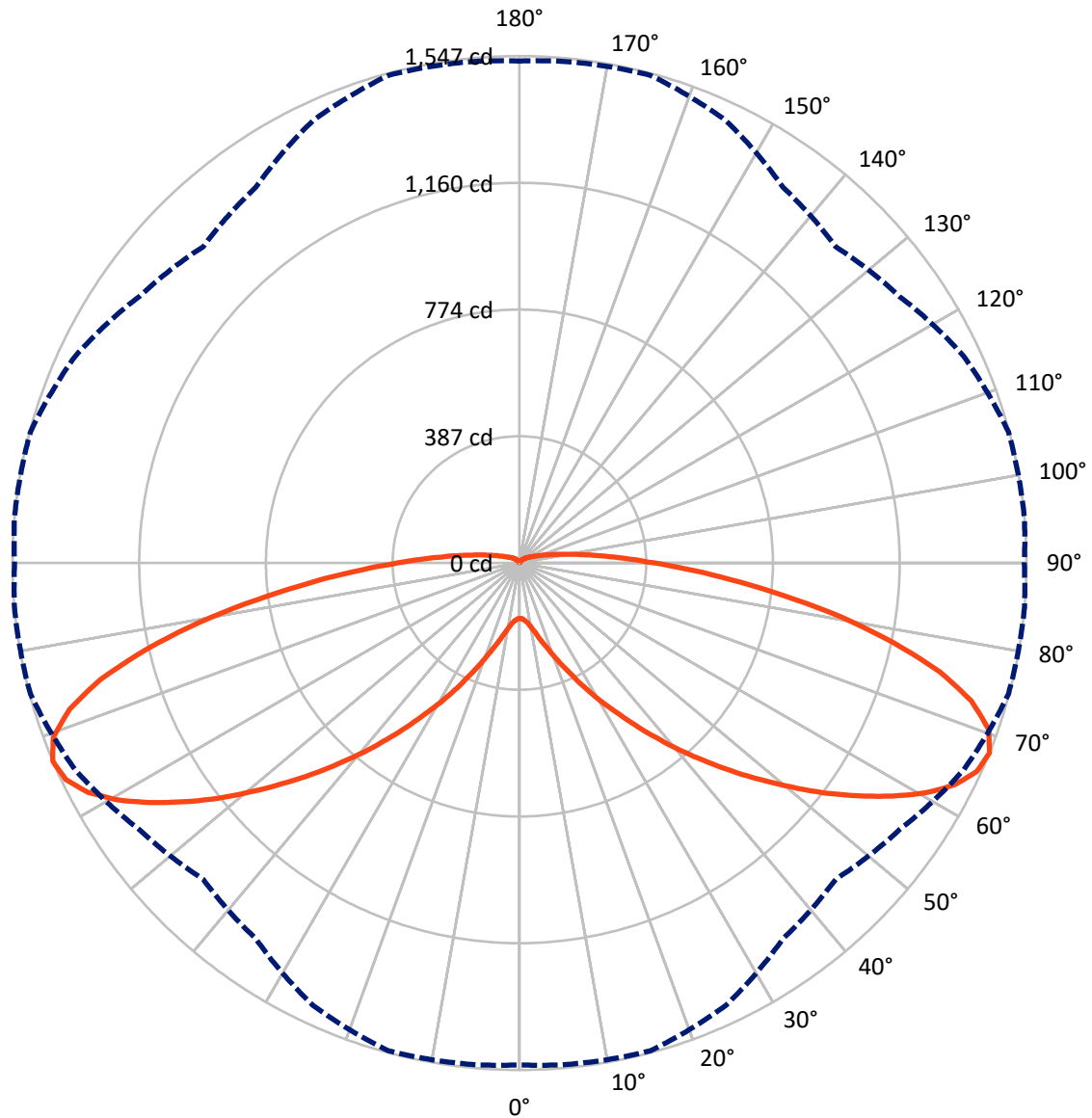
✕ Max cd
 - - - 1/2 Max cd



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	2989.6	306.9	3296.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	2989.6	306.9	3296.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	5979.2	613.8	6593.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.3
10°-20°	71.7	1.1
20°-30°	181.2	2.7
30°-40°	373.0	5.7
40°-50°	670.5	10.2
50°-60°	1071.8	16.3
60°-70°	1434.1	21.8
70°-80°	1358.9	20.6
80°-90°	800.4	12.1
90°-100°	345.8	5.2
100°-110°	147.3	2.2
110°-120°	67.8	1.0
120°-130°	32.4	0.5
130°-140°	14.5	0.2
140°-150°	5.0	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5979.2	90.7
0°-180°	6593.0	100.0



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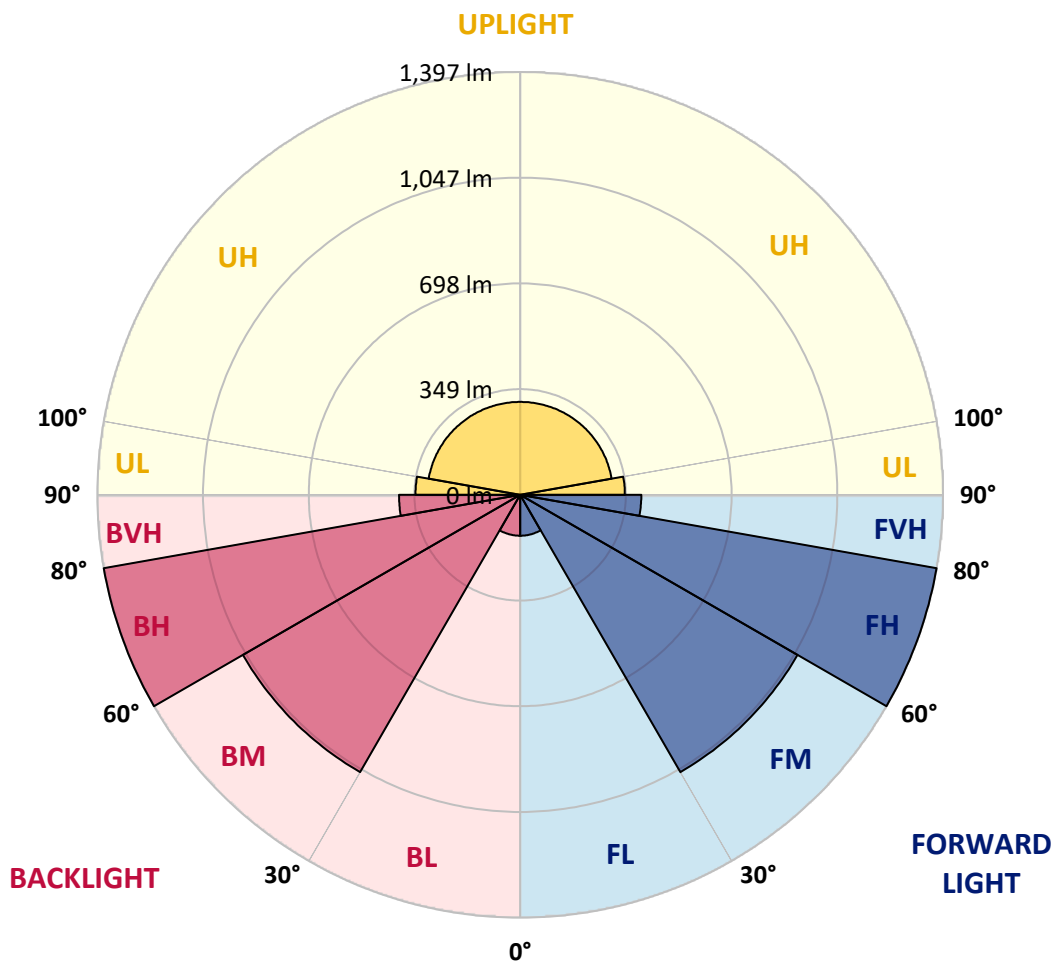
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.2	2.1			
FM	(30°-60°)	1057.6	16.0			
FH	(60°-80°)	1396.5	21.2			G1/1800
FVH	(80°-90°)	400.2	6.1			G3/500
BL	(0°-30°)	135.2	2.1	B1/500		
BM	(30°-60°)	1057.6	16.0	B2/2500		
BH	(60°-80°)	1396.5	21.2	B3/2500		G1/1800
BVH	(80°-90°)	400.2	6.1			G3/500
UL	(90°-100°)	345.8	5.2		U3/500	
UH	(100°-180°)	306.9	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°	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1
2.5°	170.5	169.8	170.5	170.5	171.3	171.3	171.3	171.3	170.5	170.5	170.5
5°	176.4	176.4	176.4	176.4	177.2	177.2	177.2	176.4	176.4	176.4	176.4
7.5°	187.4	186.7	187.4	186.7	186.7	186.0	186.7	186.0	185.2	185.2	185.2
10°	201.4	201.4	201.4	200.7	200.7	200.7	199.2	199.2	199.2	199.9	199.2
12.5°	224.2	222.7	222.7	219.8	218.3	217.6	216.8	216.8	219.1	219.1	217.6
15°	250.7	249.9	249.9	246.3	243.3	238.9	239.6	242.6	242.6	244.0	243.3
17.5°	282.3	281.5	279.3	275.7	272.0	269.0	267.6	269.0	270.5	271.2	272.0
20°	316.8	316.1	313.1	309.5	305.8	304.3	299.2	301.4	302.9	304.3	303.6
22.5°	353.6	353.6	350.6	345.5	341.8	338.9	336.7	334.5	339.6	342.5	343.3
25°	398.4	396.9	391.8	385.9	381.5	379.3	376.4	376.4	380.0	385.9	387.4
27.5°	445.5	444.0	436.6	430.0	424.1	419.0	417.5	419.7	426.3	435.2	435.2
30°	497.6	494.7	488.1	477.8	468.2	463.1	464.6	468.2	477.8	488.1	487.4
32.5°	555.0	549.8	542.5	530.7	516.8	509.4	511.6	521.9	531.5	542.5	544.0
35°	616.0	615.3	603.5	588.1	570.4	558.7	563.1	577.0	591.7	607.2	609.4
37.5°	678.5	680.7	666.7	649.8	624.1	610.1	619.7	639.5	657.9	674.8	676.3
40°	754.9	752.7	738.8	713.8	682.9	667.5	675.5	703.5	727.0	748.3	749.8
42.5°	833.6	827.7	815.9	785.8	744.6	730.7	742.4	774.0	805.6	823.3	824.0
45°	907.8	910.0	896.8	860.8	815.2	793.9	810.8	848.3	885.0	904.1	906.4
47.5°	1001.2	995.3	983.5	937.2	885.8	864.5	883.6	929.1	969.6	987.2	986.5
50°	1092.3	1088.7	1071.7	1023.2	965.2	939.4	958.5	1014.4	1058.5	1074.0	1077.6
52.5°	1179.1	1177.6	1162.9	1109.2	1046.8	1015.1	1041.6	1099.7	1150.4	1165.8	1167.3
55°	1268.0	1263.6	1252.6	1196.7	1125.4	1090.1	1123.2	1187.9	1240.1	1254.8	1255.5
57.5°	1347.4	1350.3	1341.5	1282.7	1200.4	1166.6	1203.3	1275.4	1328.3	1342.3	1344.5
60°	1426.8	1427.5	1420.9	1363.6	1276.1	1237.9	1280.5	1355.5	1412.1	1424.6	1425.3
62.5°	1489.3	1490.7	1485.6	1423.1	1335.6	1298.9	1345.9	1423.9	1481.9	1490.7	1490.0
65°	1527.5	1531.9	1529.0	1472.4	1379.0	1345.2	1394.4	1476.0	1529.0	1534.1	1531.9
67.5°	1531.9	1537.1	1541.5	1490.0	1401.1	1365.0	1417.2	1495.2	1545.1	1547.3	1540.7
70°	1499.6	1504.7	1515.0	1472.4	1390.0	1359.9	1409.9	1479.7	1521.6	1518.7	1511.3
72.5°	1416.5	1427.5	1443.0	1414.3	1345.2	1320.2	1369.5	1425.3	1454.0	1443.0	1432.7
75°	1297.4	1308.4	1337.8	1321.7	1268.7	1254.8	1291.5	1333.4	1341.5	1325.4	1311.4
77.5°	1152.6	1166.6	1193.8	1206.3	1171.0	1157.0	1187.9	1209.9	1201.1	1165.8	1155.5
80°	983.5	1005.6	1034.3	1054.1	1045.3	1040.9	1056.3	1054.1	1021.8	993.8	976.2
82.5°	829.2	833.6	877.7	902.7	905.6	907.1	911.5	885.0	847.5	810.1	793.9
85°	677.7	679.2	716.0	752.0	766.0	770.4	762.3	727.0	688.0	646.1	635.1
87.5°	543.2	545.4	577.8	614.5	638.8	641.7	626.3	591.7	543.2	505.7	496.2
90°	429.3	436.6	469.0	499.1	524.8	529.3	507.2	470.5	425.6	389.6	383.7
92.5°	343.3	347.0	376.4	404.3	428.6	429.3	413.9	376.4	336.7	304.3	297.0
95°	275.7	278.6	302.1	327.8	347.7	352.1	334.5	301.4	264.6	236.7	235.2
97.5°	219.8	223.5	241.8	269.0	283.7	286.7	274.9	244.0	210.2	185.2	185.2
100°	176.4	178.6	194.8	217.6	233.0	236.0	224.2	197.0	167.6	145.5	144.1
102.5°	143.3	144.8	158.0	178.6	192.6	195.5	185.2	163.2	134.5	116.9	116.1
105°	117.6	118.3	128.6	147.8	161.0	163.2	153.6	134.5	108.8	94.1	93.4
107.5°	96.3	97.0	105.1	122.8	135.3	137.5	129.4	110.3	88.2	77.9	76.4
110°	80.9	81.6	87.5	101.4	113.9	116.9	108.8	91.9	72.8	64.0	64.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	68.4	69.1	73.5	85.3	96.3	100.0	91.9	76.4	61.0	54.4	53.7
115°	58.1	58.8	61.7	72.0	80.9	83.8	77.9	64.0	51.5	46.3	46.3
117.5°	50.7	51.5	52.9	61.0	69.1	71.3	65.4	53.7	43.4	40.4	40.4
120°	44.8	44.8	45.6	51.5	58.1	60.3	55.1	45.6	37.5	35.3	35.3
122.5°	39.0	39.0	39.7	44.1	49.3	50.7	46.3	38.2	32.3	31.6	30.9
125°	34.5	34.5	34.5	37.5	41.9	42.6	39.0	32.3	28.7	27.9	27.9
127.5°	30.1	30.1	30.1	31.6	34.5	35.3	32.3	27.2	25.0	24.3	24.3
130°	26.5	26.5	26.5	27.2	28.7	29.4	26.5	23.5	22.1	22.1	22.1
132.5°	23.5	23.5	22.8	22.8	23.5	23.5	22.1	19.8	19.1	19.1	19.1
135°	20.6	20.6	19.8	19.1	19.1	18.4	16.9	16.2	16.9	16.9	16.9
137.5°	17.6	17.6	16.9	16.2	15.4	14.7	14.0	13.2	14.0	14.7	14.7
140°	14.7	14.7	14.0	12.5	11.8	11.0	10.3	11.0	11.8	12.5	12.5
142.5°	11.8	11.8	11.8	10.3	8.8	8.1	8.1	8.8	9.6	10.3	10.3
145°	9.6	9.6	8.8	8.1	6.6	5.9	5.9	6.6	8.1	8.1	8.1
147.5°	7.4	7.4	6.6	5.9	4.4	3.7	4.4	5.1	5.9	6.6	6.6
150°	5.1	5.1	5.1	4.4	2.9	2.9	2.9	3.7	4.4	4.4	4.4
152.5°	2.9	2.9	2.9	2.9	2.2	1.5	2.2	2.9	2.9	2.9	2.9
155°	2.2	2.2	2.2	2.2	1.5	1.5	1.5	2.2	2.2	2.2	2.2
157.5°	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
160°	0.0	0.0	0.7	0.7	1.5	1.5	1.5	1.5	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)