

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: P417310

Luminaire Tested: **LXF.LXT-PA1-90-827-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417310
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-PA1-90-827-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA 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: 7109 lumens
Efficiency: N/A
Efficacy: 75.6 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): 94
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

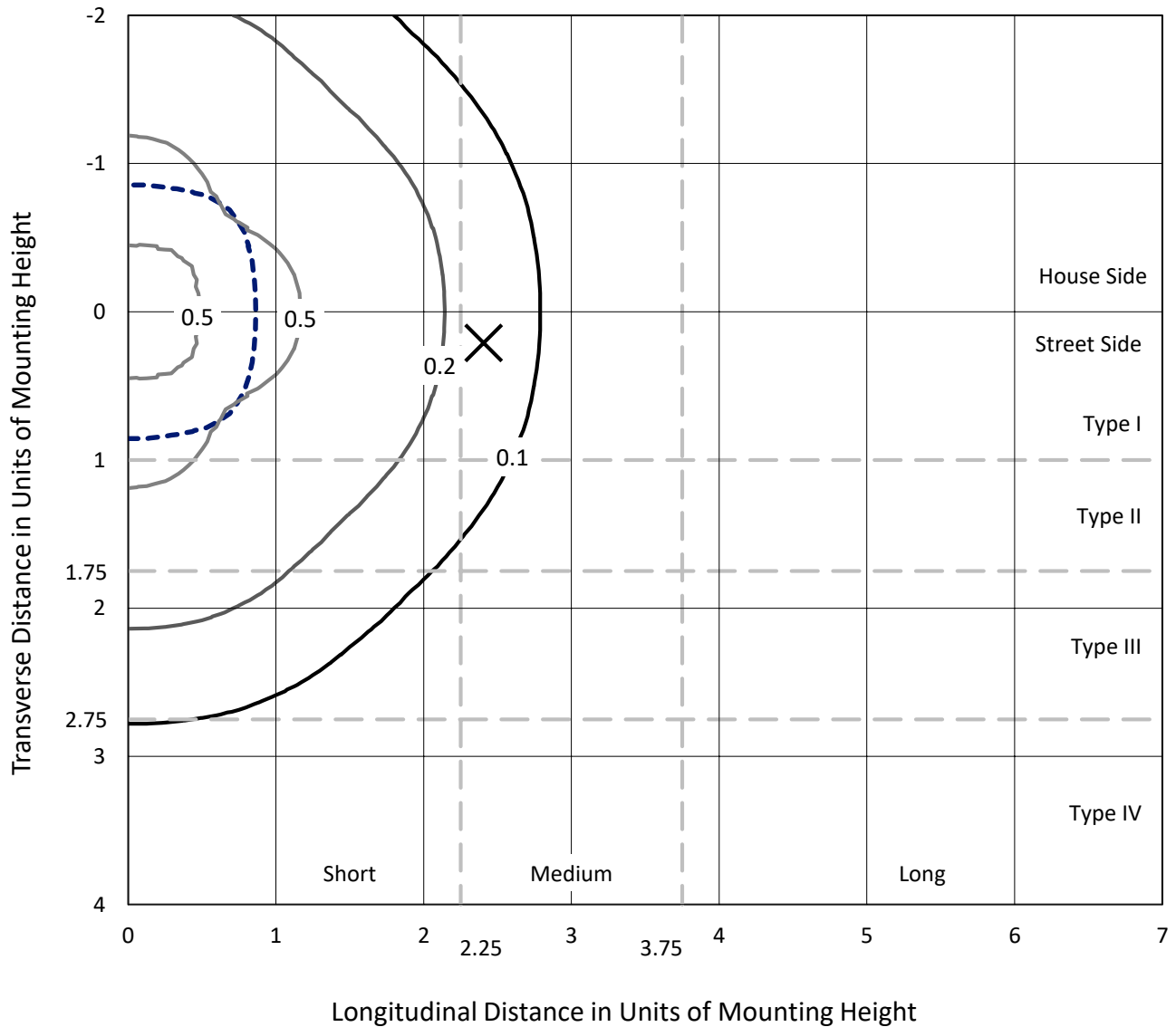


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Iso-Footcandle Lines of Horizontal Illumination

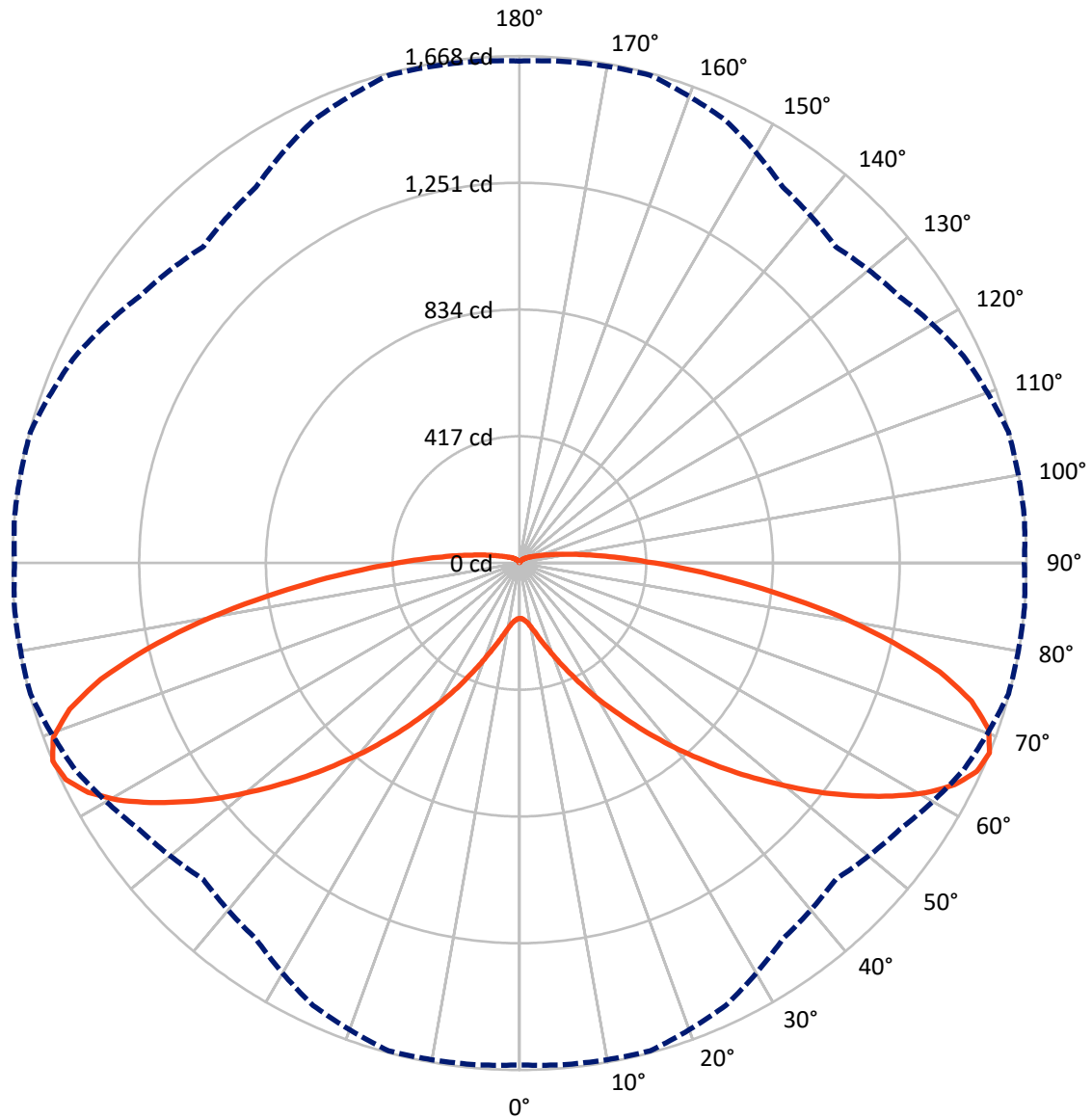
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	3223.6	330.9	3554.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	3223.6	330.9	3554.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	6447.2	661.8	7109.0
	% Fixture	90.7	9.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	0.3
10°-20°	77.3	1.1
20°-30°	195.4	2.7
30°-40°	402.2	5.7
40°-50°	723.0	10.2
50°-60°	1155.7	16.3
60°-70°	1546.4	21.8
70°-80°	1465.3	20.6
80°-90°	863.0	12.1
90°-100°	372.8	5.2
100°-110°	158.8	2.2
110°-120°	73.1	1.0
120°-130°	35.0	0.5
130°-140°	15.6	0.2
140°-150°	5.3	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6447.2	90.7
0°-180°	7109.0	100.0

Coefficient of Utilization



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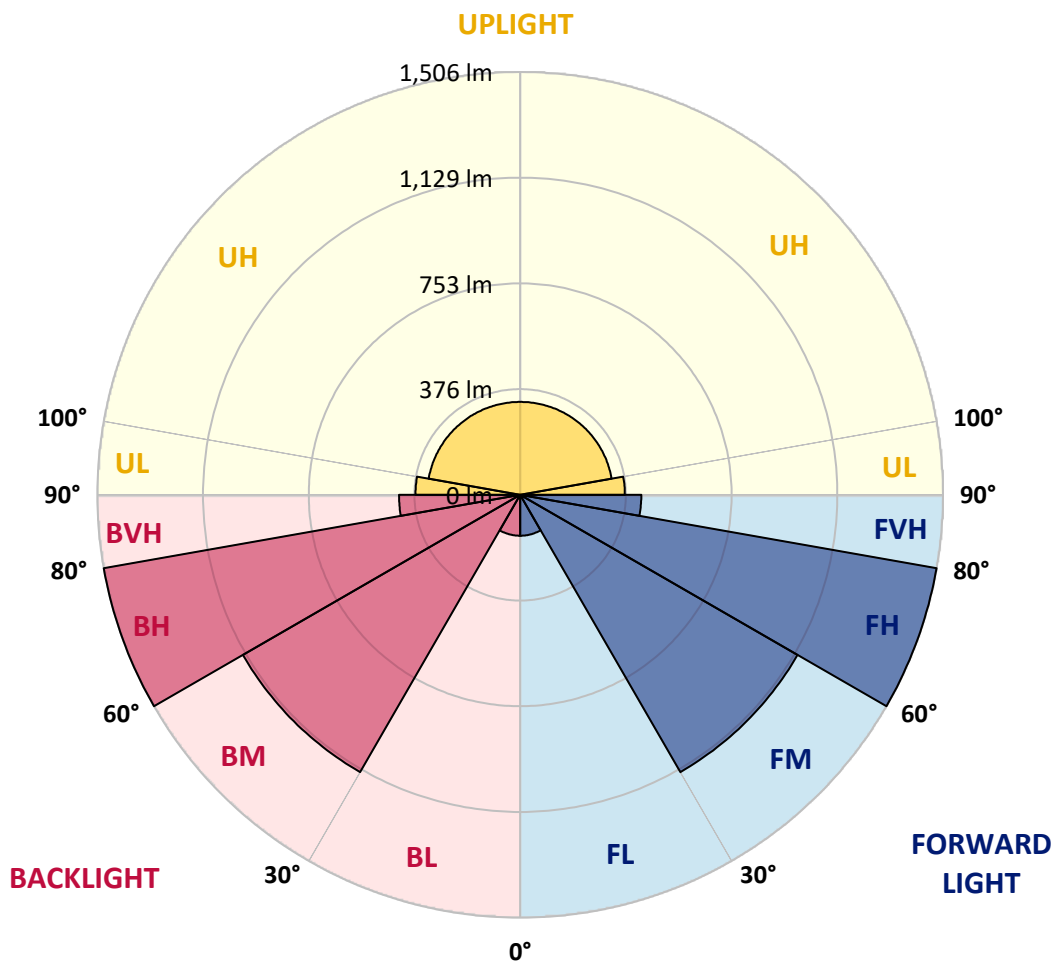
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.8	2.1			
FM (30°-60°)	1140.4	16.0			
FH (60°-80°)	1505.8	21.2			G1/1800
FVH (80°-90°)	431.5	6.1			G3/500
BL (0°-30°)	145.8	2.1	B1/500		
BM (30°-60°)	1140.4	16.0	B2/2500		
BH (60°-80°)	1505.8	21.2	B3/2500		G1/1800
BVH (80°-90°)	431.5	6.1			G3/500
UL (90°-100°)	372.8	5.2		U3/500	
UH (100°-180°)	330.9	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°	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3	182.3
2.5°	183.9	183.1	183.9	183.9	184.7	184.7	184.7	184.7	183.9	183.9	183.9
5°	190.2	190.2	190.2	190.2	191.0	191.0	191.0	190.2	190.2	190.2	190.2
7.5°	202.1	201.3	202.1	201.3	201.3	200.5	201.3	200.5	199.7	199.7	199.7
10°	217.2	217.2	217.2	216.4	216.4	216.4	214.8	214.8	214.8	215.6	214.8
12.5°	241.7	240.2	240.2	237.0	235.4	234.6	233.8	233.8	236.2	236.2	234.6
15°	270.3	269.5	269.5	265.5	262.4	257.6	258.4	261.6	261.6	263.1	262.4
17.5°	304.4	303.6	301.2	297.2	293.3	290.1	288.5	290.1	291.7	292.5	293.3
20°	341.6	340.8	337.7	333.7	329.7	328.1	322.6	325.0	326.6	328.1	327.3
22.5°	381.2	381.2	378.1	372.5	368.6	365.4	363.0	360.6	366.2	369.4	370.1
25°	429.6	428.0	422.5	416.1	411.4	409.0	405.8	405.8	409.8	416.1	417.7
27.5°	480.3	478.7	470.8	463.7	457.3	451.8	450.2	452.6	459.7	469.2	469.2
30°	536.6	533.4	526.3	515.2	504.9	499.3	500.9	504.9	515.2	526.3	525.5
32.5°	598.4	592.9	584.9	572.3	557.2	549.3	551.7	562.8	573.1	584.9	586.5
35°	664.2	663.4	650.7	634.1	615.1	602.4	607.1	622.2	638.1	654.7	657.1
37.5°	731.6	734.0	718.9	700.7	672.9	657.9	668.2	689.6	709.4	727.6	729.2
40°	814.0	811.6	796.6	769.6	736.3	719.7	728.4	758.5	783.9	806.9	808.5
42.5°	898.8	892.5	879.8	847.3	802.9	787.9	800.5	834.6	868.7	887.7	888.5
45°	978.9	981.3	967.0	928.1	879.0	856.0	874.3	914.7	954.3	974.9	977.3
47.5°	1079.5	1073.2	1060.5	1010.6	955.1	932.1	952.7	1001.9	1045.5	1064.5	1063.7
50°	1177.8	1173.9	1155.6	1103.3	1040.7	1013.0	1033.6	1093.8	1141.4	1158.0	1162.0
52.5°	1271.3	1269.8	1253.9	1196.1	1128.7	1094.6	1123.1	1185.7	1240.4	1257.1	1258.7
55°	1367.3	1362.5	1350.6	1290.4	1213.5	1175.4	1211.1	1280.9	1337.1	1353.0	1353.8
57.5°	1452.9	1456.0	1446.5	1383.1	1294.3	1257.9	1297.5	1375.2	1432.2	1447.3	1449.7
60°	1538.5	1539.3	1532.1	1470.3	1376.0	1334.8	1380.7	1461.6	1522.6	1536.1	1536.9
62.5°	1605.8	1607.4	1601.9	1534.5	1440.2	1400.5	1451.3	1535.3	1597.9	1607.4	1606.6
65°	1647.0	1651.8	1648.6	1587.6	1486.9	1450.5	1503.6	1591.6	1648.6	1654.2	1651.8
67.5°	1651.8	1657.4	1662.1	1606.6	1510.7	1471.9	1528.2	1612.2	1666.1	1668.4	1661.3
70°	1616.9	1622.5	1633.6	1587.6	1498.8	1466.3	1520.2	1595.5	1640.7	1637.5	1629.6
72.5°	1527.4	1539.3	1555.9	1525.0	1450.5	1423.5	1476.6	1536.9	1567.8	1555.9	1544.8
75°	1399.0	1410.8	1442.6	1425.1	1368.0	1353.0	1392.6	1437.8	1446.5	1429.1	1414.0
77.5°	1242.8	1257.9	1287.2	1300.7	1262.6	1247.6	1280.9	1304.6	1295.1	1257.1	1246.0
80°	1060.5	1084.3	1115.2	1136.6	1127.1	1122.3	1139.0	1136.6	1101.7	1071.6	1052.6
82.5°	894.1	898.8	946.4	973.3	976.5	978.1	982.8	954.3	913.9	873.5	856.0
85°	730.8	732.4	772.0	810.8	825.9	830.7	821.9	783.9	741.9	696.7	684.8
87.5°	585.7	588.1	623.0	662.6	688.8	692.0	675.3	638.1	585.7	545.3	535.0
90°	462.9	470.8	505.7	538.2	565.9	570.7	546.9	507.3	458.9	420.1	413.7
92.5°	370.1	374.1	405.8	435.9	462.1	462.9	446.2	405.8	363.0	328.1	320.2
95°	297.2	300.4	325.8	353.5	374.9	379.7	360.6	325.0	285.3	255.2	253.6
97.5°	237.0	241.0	260.8	290.1	305.9	309.1	296.4	263.1	226.7	199.7	199.7
100°	190.2	192.6	210.0	234.6	251.3	254.4	241.7	212.4	180.7	156.9	155.4
102.5°	154.6	156.1	170.4	192.6	207.7	210.8	199.7	176.0	145.0	126.0	125.2
105°	126.8	127.6	138.7	159.3	173.6	176.0	165.7	145.0	117.3	101.5	100.7
107.5°	103.8	104.6	113.3	132.4	145.8	148.2	139.5	118.9	95.1	84.0	82.4
110°	87.2	88.0	94.3	109.4	122.9	126.0	117.3	99.1	78.5	69.0	69.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	73.7	74.5	79.3	91.9	103.8	107.8	99.1	82.4	65.8	58.7	57.9
115°	62.6	63.4	66.6	77.7	87.2	90.4	84.0	69.0	55.5	49.9	49.9
117.5°	54.7	55.5	57.1	65.8	74.5	76.9	70.5	57.9	46.8	43.6	43.6
120°	48.3	48.3	49.1	55.5	62.6	65.0	59.4	49.1	40.4	38.0	38.0
122.5°	42.0	42.0	42.8	47.6	53.1	54.7	49.9	41.2	34.9	34.1	33.3
125°	37.3	37.3	37.3	40.4	45.2	46.0	42.0	34.9	30.9	30.1	30.1
127.5°	32.5	32.5	32.5	34.1	37.3	38.0	34.9	29.3	26.9	26.2	26.2
130°	28.5	28.5	28.5	29.3	30.9	31.7	28.5	25.4	23.8	23.8	23.8
132.5°	25.4	25.4	24.6	24.6	25.4	25.4	23.8	21.4	20.6	20.6	20.6
135°	22.2	22.2	21.4	20.6	20.6	19.8	18.2	17.4	18.2	18.2	18.2
137.5°	19.0	19.0	18.2	17.4	16.6	15.9	15.1	14.3	15.1	15.9	15.9
140°	15.9	15.9	15.1	13.5	12.7	11.9	11.1	11.9	12.7	13.5	13.5
142.5°	12.7	12.7	12.7	11.1	9.5	8.7	8.7	9.5	10.3	11.1	11.1
145°	10.3	10.3	9.5	8.7	7.1	6.3	6.3	7.1	8.7	8.7	8.7
147.5°	7.9	7.9	7.1	6.3	4.8	4.0	4.8	5.5	6.3	7.1	7.1
150°	5.5	5.5	5.5	4.8	3.2	3.2	3.2	4.0	4.8	4.8	4.8
152.5°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	3.2	3.2	3.2	3.2
155°	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
157.5°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.8	0.8	1.6	1.6	1.6	1.6	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)