

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: P413824

Luminaire Tested: **LXF.LXT-PA1-100-740-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-740-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10017 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U3 - G4

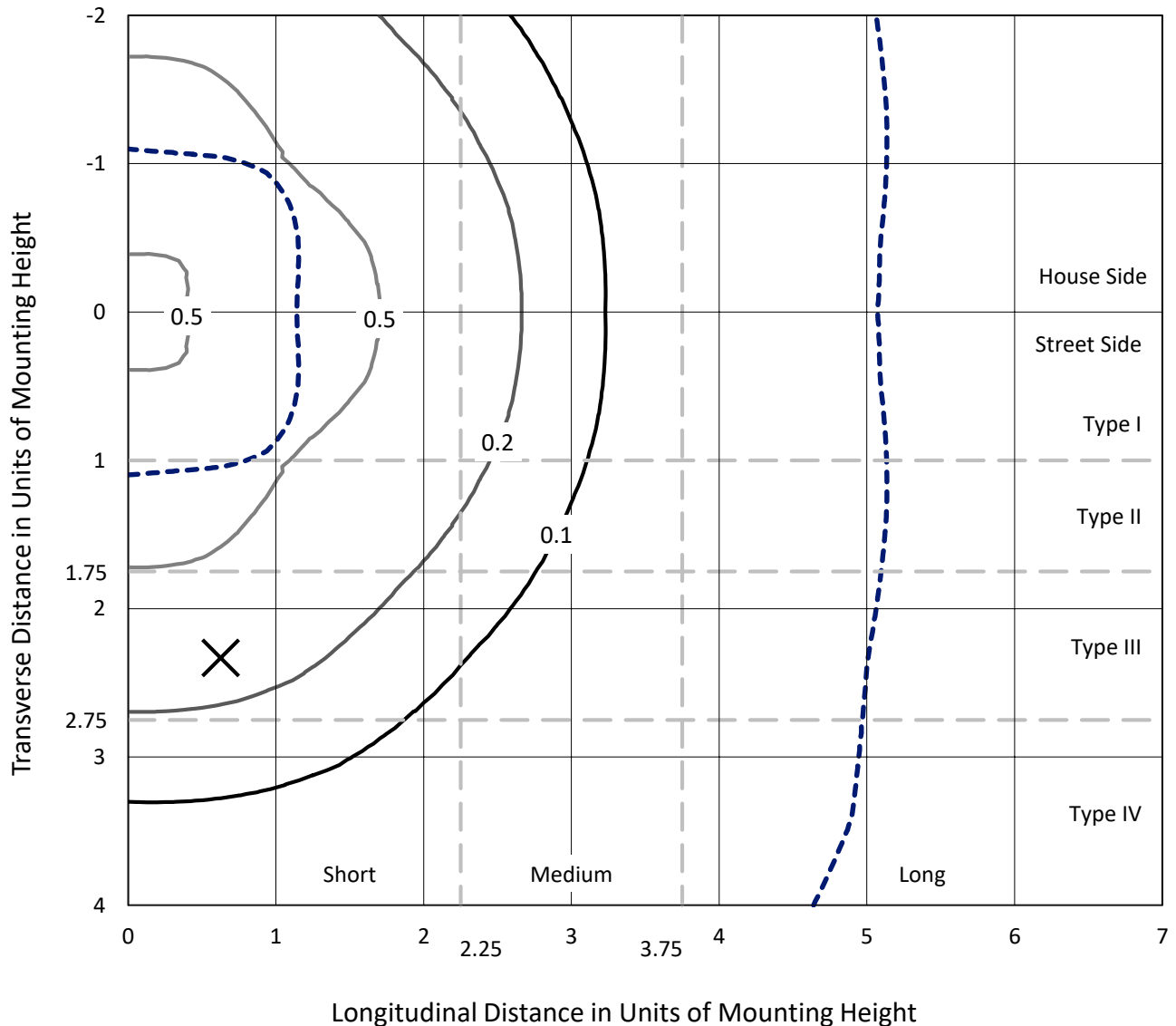
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

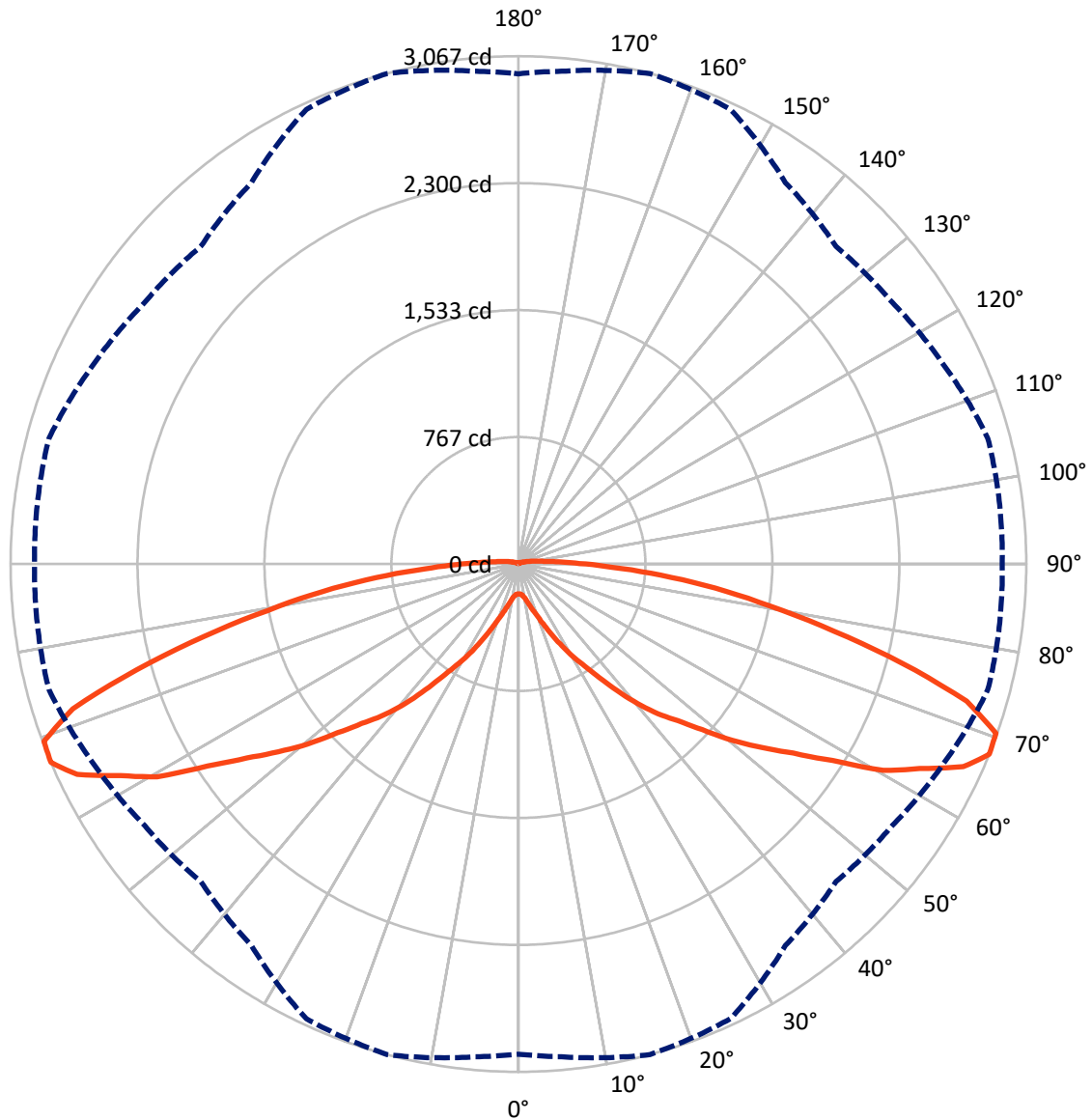
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4810.8	197.7	5008.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	4810.8	197.7	5008.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	9621.7	395.3	10017.0
	% Fixture	96.1	3.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.2
10°-20°	74.8	0.7
20°-30°	215.7	2.2
30°-40°	507.9	5.1
40°-50°	957.3	9.6
50°-60°	1707.4	17.0
60°-70°	2699.3	26.9
70°-80°	2378.2	23.7
80°-90°	1063.0	10.6
90°-100°	264.0	2.6
100°-110°	72.7	0.7
110°-120°	29.2	0.3
120°-130°	15.5	0.2
130°-140°	9.0	0.1
140°-150°	3.8	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9621.7	96.1
0°-180°	10017.0	100.0

Coefficient of Utilization



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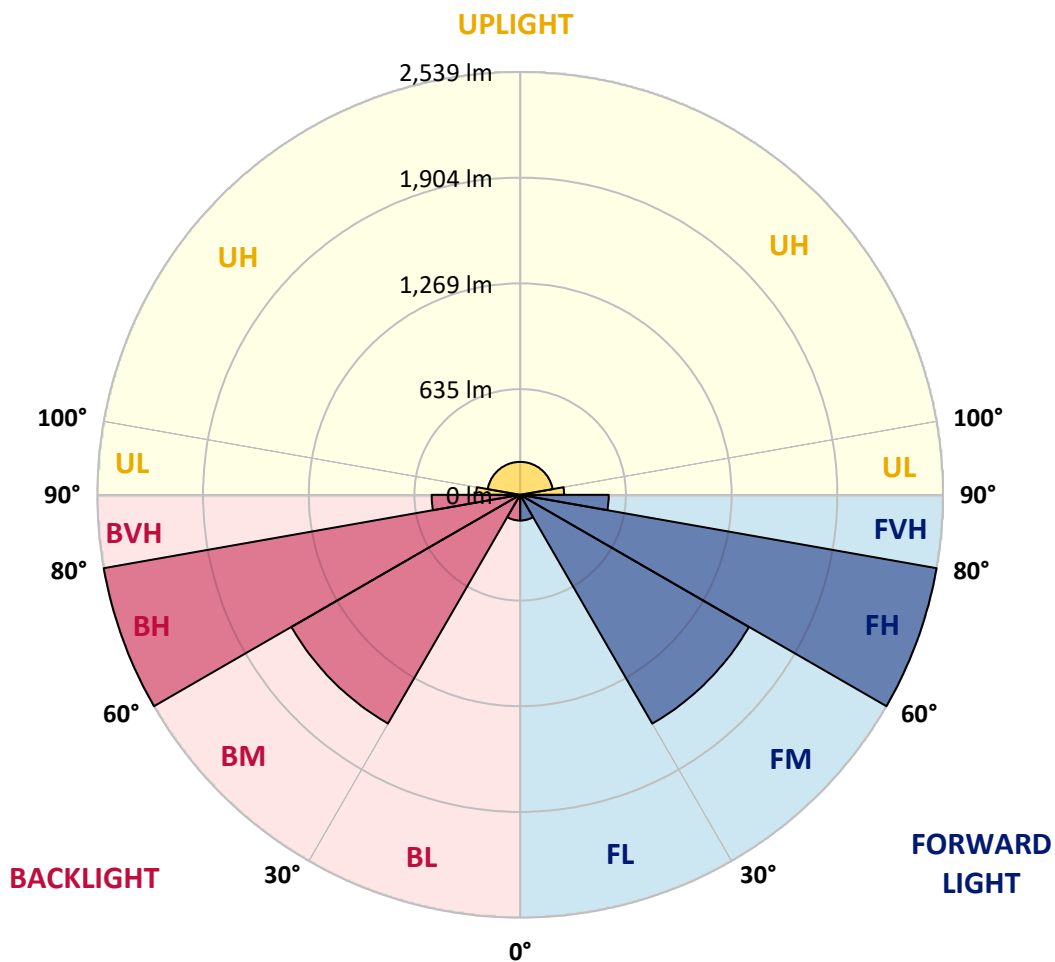
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.3	1.5			
FM	(30°-60°)	1586.3	15.8			
FH	(60°-80°)	2538.7	25.3			G2/5000
FVH	(80°-90°)	531.5	5.3			G4/750
BL	(0°-30°)	154.3	1.5	B1/500		
BM	(30°-60°)	1586.3	15.8	B2/2500		
BH	(60°-80°)	2538.7	25.3	B4/5000		G2/5000
BVH	(80°-90°)	531.5	5.3			G4/750
UL	(90°-100°)	264.0	2.6		U3/500	
UH	(100°-180°)	197.7	2.0		U3/500	

BUG Rating: B4-U3-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1	180.1
2.5°	180.1	180.1	181.2	181.2	182.3	183.4	182.3	181.2	180.1	179.1	179.1
5°	185.6	185.6	185.6	185.6	186.7	186.7	185.6	183.4	182.3	181.2	181.2
7.5°	194.3	194.3	194.3	194.3	194.3	193.3	191.1	188.9	187.8	186.7	186.7
10°	208.5	208.5	206.4	206.4	205.3	204.2	202.0	199.8	197.6	198.7	198.7
12.5°	232.6	233.6	230.4	224.9	220.5	218.4	217.3	217.3	220.5	220.5	221.6
15°	267.5	267.5	262.0	254.4	245.7	239.1	241.3	246.8	252.2	255.5	255.5
17.5°	305.7	305.7	300.2	290.4	278.4	275.1	274.0	279.5	291.5	295.9	297.0
20°	353.7	353.7	343.9	329.7	318.8	314.4	314.4	323.2	336.3	346.1	345.0
22.5°	419.3	418.2	404.0	380.0	365.8	359.2	358.1	370.1	393.1	408.3	412.7
25°	497.9	496.8	478.2	446.6	424.7	407.2	411.6	432.4	467.3	491.3	491.3
27.5°	587.4	583.0	559.0	524.1	491.3	468.4	474.9	504.4	548.1	580.8	581.9
30°	674.7	674.7	648.5	607.0	563.4	535.0	542.6	584.1	636.5	687.8	688.9
32.5°	767.5	766.5	733.7	692.2	638.7	607.0	619.1	670.4	744.6	803.6	814.5
35°	886.6	887.6	841.8	785.0	717.3	682.4	698.8	765.4	853.8	924.8	931.3
37.5°	1014.3	1020.8	970.6	897.5	806.9	764.3	788.3	865.8	968.4	1042.7	1042.7
40°	1151.9	1155.1	1109.3	1016.5	907.3	851.6	883.3	966.3	1044.9	1108.2	1111.5
42.5°	1268.7	1272.0	1235.9	1145.3	1023.0	956.4	975.0	1038.3	1112.6	1183.5	1190.1
45°	1360.4	1371.3	1349.5	1272.0	1147.5	1066.7	1064.5	1128.9	1218.5	1292.7	1301.4
47.5°	1526.4	1531.8	1493.6	1401.9	1275.2	1186.8	1178.1	1242.5	1359.3	1439.0	1444.5
50°	1672.7	1689.0	1674.8	1576.6	1425.9	1318.9	1320.0	1405.2	1531.8	1612.6	1620.3
52.5°	1837.5	1845.2	1840.8	1756.7	1610.4	1483.8	1498.0	1594.0	1730.5	1780.8	1789.5
55°	1988.2	2000.2	2015.5	1953.3	1808.0	1696.7	1709.8	1812.4	1904.1	1952.2	1956.5
57.5°	2227.3	2239.3	2238.2	2146.5	2022.0	1914.0	1935.8	2016.6	2136.7	2218.6	2232.8
60°	2487.2	2504.6	2531.9	2412.9	2226.2	2150.9	2178.2	2295.0	2431.5	2443.5	2458.8
62.5°	2660.8	2669.5	2720.8	2681.5	2464.2	2373.6	2445.7	2545.0	2616.0	2626.9	2622.5
65°	2887.9	2916.2	2952.3	2861.6	2687.0	2562.5	2645.5	2719.7	2847.5	2858.4	2856.2
67.5°	2959.9	2987.2	3066.9	3029.8	2811.4	2712.1	2754.6	2836.5	2934.8	2926.1	2921.7
70°	2965.4	2991.6	3059.3	3039.6	2839.8	2702.2	2745.9	2777.6	2868.2	2869.3	2857.3
72.5°	2668.4	2714.3	2830.0	2864.9	2690.2	2549.4	2552.7	2551.6	2558.1	2486.1	2457.7
75°	2248.0	2280.8	2394.3	2478.4	2388.9	2267.7	2265.5	2173.8	2154.2	2099.6	2079.9
77.5°	1800.4	1840.8	1950.0	2041.7	2010.0	1944.5	1910.7	1807.0	1778.6	1716.3	1724.0
80°	1399.7	1431.4	1539.5	1658.5	1667.2	1621.3	1584.2	1499.1	1443.4	1391.0	1368.0
82.5°	1077.6	1104.9	1197.7	1326.6	1380.1	1374.6	1322.2	1226.1	1175.9	1125.7	1096.2
85°	744.6	768.6	860.4	1016.5	1112.6	1146.4	1087.4	966.3	876.7	805.8	789.4
87.5°	480.4	491.3	564.5	699.9	844.0	923.7	861.4	709.7	597.2	540.4	521.9
90°	300.2	316.6	369.0	453.1	593.9	695.5	632.2	478.2	397.4	339.6	327.5
92.5°	208.5	206.4	242.4	301.3	405.1	488.0	433.5	316.6	251.1	212.9	205.3
95°	137.6	143.0	162.7	199.8	274.0	325.4	286.1	210.7	164.9	137.6	134.3
97.5°	102.6	103.7	119.0	141.9	186.7	214.0	190.0	146.3	116.8	99.4	98.3
100°	80.8	81.9	92.8	105.9	131.0	148.5	133.2	110.3	90.6	77.5	77.5
102.5°	63.3	64.4	72.1	83.0	99.4	110.3	101.5	85.2	71.0	61.1	60.0
105°	50.2	50.2	56.8	65.5	77.5	85.2	79.7	66.6	54.6	48.0	48.0
107.5°	39.3	40.4	44.8	51.3	62.2	69.9	63.3	51.3	42.6	37.1	37.1
110°	31.7	31.7	34.9	41.5	50.2	56.8	51.3	41.5	33.8	30.6	30.6



REPORT NUMBER: P413824

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	26.2	26.2	28.4	33.8	41.5	46.9	41.5	33.8	27.3	25.1	25.1
115°	21.8	21.8	24.0	27.3	34.9	38.2	34.9	27.3	22.9	20.7	20.7
117.5°	19.7	19.7	20.7	24.0	29.5	31.7	29.5	22.9	19.7	18.6	18.6
120°	17.5	17.5	18.6	20.7	25.1	27.3	25.1	20.7	17.5	16.4	16.4
122.5°	16.4	16.4	16.4	18.6	22.9	24.0	21.8	18.6	15.3	15.3	15.3
125°	15.3	15.3	15.3	16.4	19.7	20.7	19.7	16.4	14.2	14.2	14.2
127.5°	14.2	14.2	14.2	15.3	17.5	18.6	17.5	15.3	13.1	13.1	13.1
130°	14.2	14.2	13.1	14.2	15.3	16.4	15.3	14.2	13.1	12.0	13.1
132.5°	13.1	13.1	13.1	13.1	14.2	14.2	14.2	13.1	12.0	12.0	12.0
135°	12.0	12.0	10.9	10.9	12.0	13.1	12.0	10.9	10.9	10.9	10.9
137.5°	10.9	9.8	9.8	9.8	10.9	10.9	10.9	9.8	9.8	9.8	9.8
140°	8.7	8.7	8.7	8.7	8.7	9.8	8.7	7.6	7.6	8.7	8.7
142.5°	7.6	7.6	7.6	6.6	7.6	7.6	7.6	6.6	6.6	6.6	6.6
145°	6.6	6.6	6.6	5.5	6.6	6.6	6.6	5.5	5.5	5.5	5.5
147.5°	4.4	5.5	4.4	4.4	5.5	5.5	4.4	4.4	4.4	4.4	4.4
150°	3.3	3.3	3.3	3.3	4.4	4.4	3.3	3.3	3.3	3.3	3.3
152.5°	2.2	2.2	3.3	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2
155°	2.2	2.2	2.2	2.2	3.3	3.3	2.2	2.2	2.2	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	2.2	3.3	2.2	1.1	1.1	1.1	1.1
160°	0.0	0.0	0.0	1.1	2.2	3.3	2.2	1.1	0.0	0.0	0.0
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)