

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: P417156

Luminaire Tested: **LXF.LXT-PA1-90-740-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-740-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9850 lumens
Efficiency: N/A
Efficacy: 104.8 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 - G3

Input Watts (W): 94
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

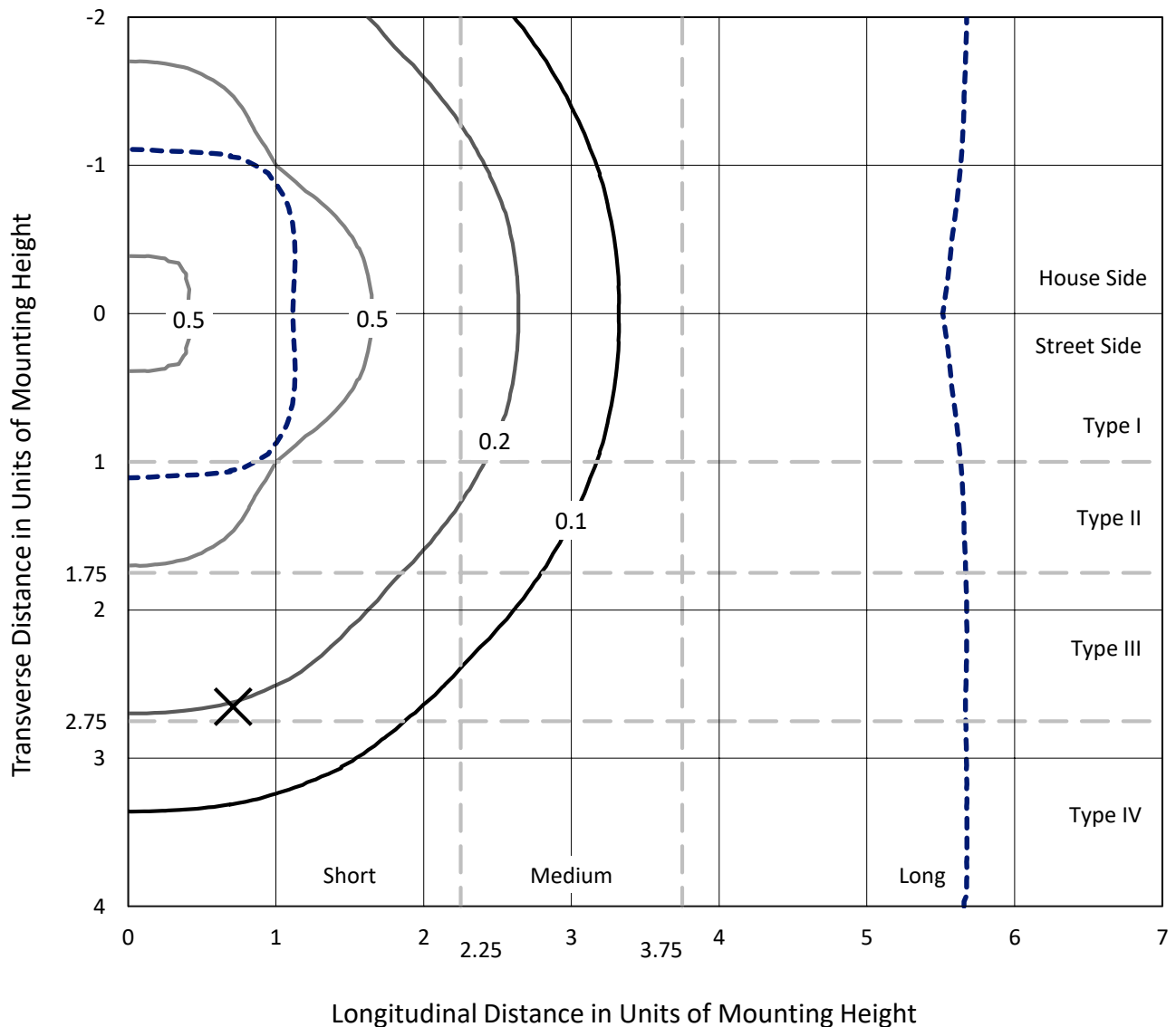


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Iso-Footcandle Lines of Horizontal Illumination

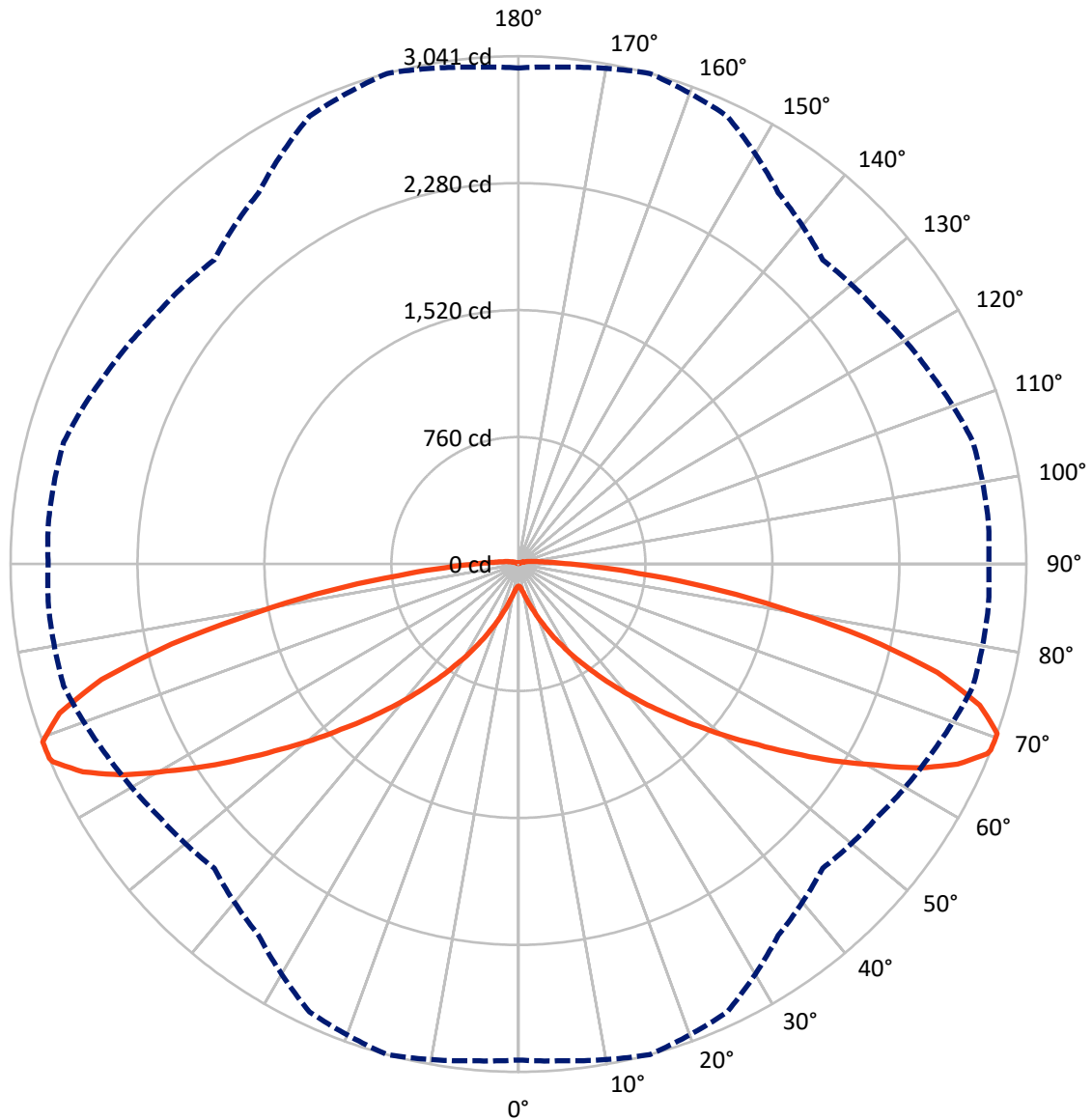
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4751.6	173.4	4925.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	4751.6	173.4	4925.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	9503.1	346.9	9850.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.1
10°-20°	71.1	0.7
20°-30°	214.0	2.2
30°-40°	491.9	5.0
40°-50°	945.8	9.6
50°-60°	1672.3	17.0
60°-70°	2591.6	26.3
70°-80°	2515.1	25.5
80°-90°	986.6	10.0
90°-100°	212.3	2.2
100°-110°	72.5	0.7
110°-120°	31.9	0.3
120°-130°	16.1	0.2
130°-140°	8.7	0.1
140°-150°	4.1	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9503.1	96.5
0°-180°	9850.0	100.0



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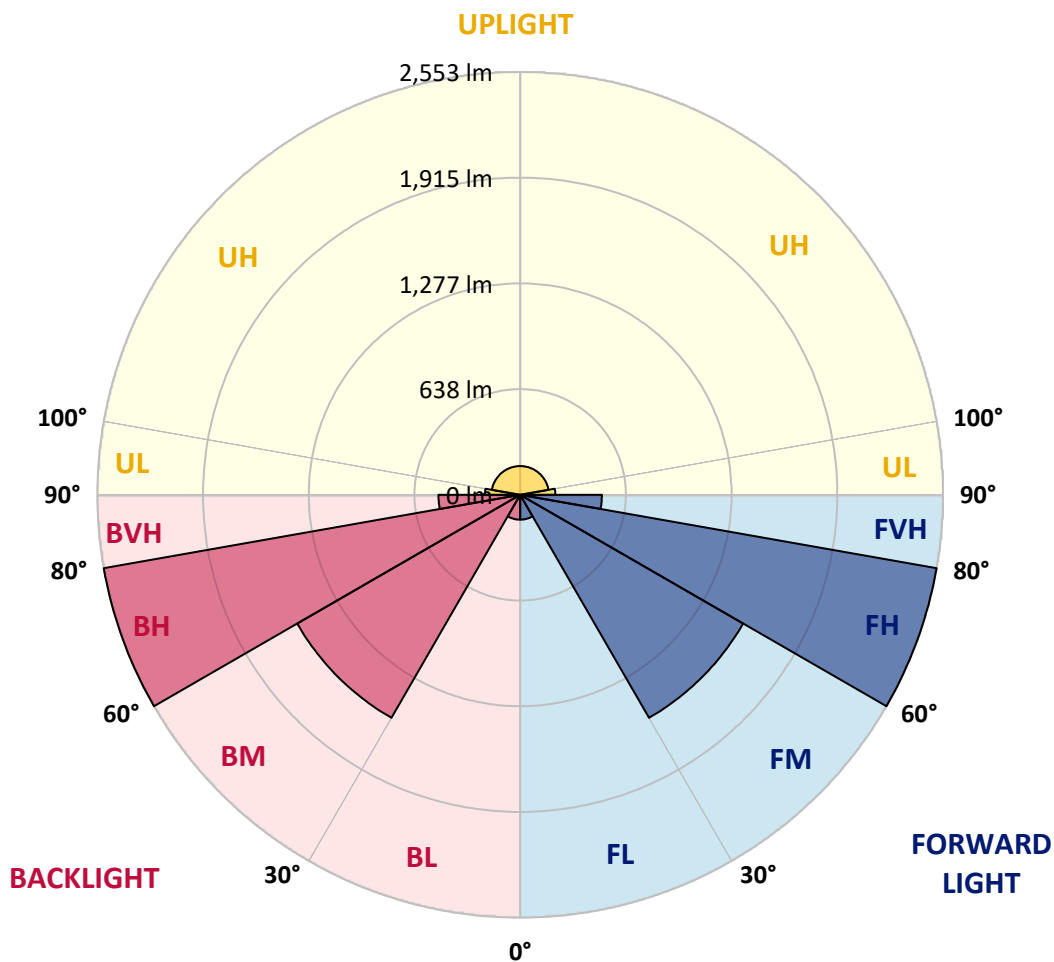
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.9	1.5			
FM (30°-60°)	1555.0	15.8			
FH (60°-80°)	2553.4	25.9			G2/5000
FVH (80°-90°)	493.3	5.0			G3/500
BL (0°-30°)	149.9	1.5	B1/500		
BM (30°-60°)	1555.0	15.8	B2/2500		
BH (60°-80°)	2553.4	25.9	B4/5000		G2/5000
BVH (80°-90°)	493.3	5.0			G3/500
UL (90°-100°)	212.3	2.2		U3/500	
UH (100°-180°)	173.4	1.8		U3/500	

BUG Rating: B4-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6
2.5°	134.8	134.8	134.8	135.9	135.9	136.9	135.9	134.8	134.8	133.7	133.7
5°	144.5	144.5	144.5	144.5	145.6	145.6	143.4	142.3	141.2	141.2	141.2
7.5°	159.6	159.6	160.7	159.6	159.6	158.5	156.3	154.2	154.2	153.1	153.1
10°	183.3	181.1	181.1	180.1	179.0	176.8	174.7	173.6	171.4	171.4	169.3
12.5°	215.6	214.6	211.3	208.1	203.8	200.5	198.4	197.3	197.3	197.3	199.5
15°	253.4	254.5	252.3	244.8	236.1	229.7	228.6	228.6	230.7	232.9	232.9
17.5°	303.0	300.8	295.4	286.8	276.0	269.5	265.2	268.5	273.9	277.1	279.3
20°	356.9	355.8	348.3	334.2	322.4	313.8	310.5	314.8	324.5	333.2	332.1
22.5°	419.4	418.3	406.5	388.2	372.0	362.3	359.0	367.7	388.2	398.9	401.1
25°	490.6	487.3	476.6	451.8	429.1	414.0	416.2	431.3	458.2	479.8	478.7
27.5°	571.4	567.1	546.6	518.6	488.4	473.3	477.6	502.4	539.1	563.9	567.1
30°	659.9	653.4	631.8	590.9	556.4	534.8	545.6	580.1	626.4	662.0	666.3
32.5°	745.0	752.6	715.9	675.0	627.5	599.5	613.5	660.9	718.1	767.7	772.0
35°	852.9	846.4	815.1	761.2	703.0	673.9	692.2	750.4	815.1	873.3	875.5
37.5°	968.2	961.8	920.8	855.0	787.1	752.6	776.3	838.8	921.9	980.1	993.0
40°	1092.2	1079.3	1041.5	960.7	877.7	842.1	864.7	943.4	1032.9	1096.5	1105.2
42.5°	1214.1	1206.5	1167.7	1075.0	980.1	934.8	968.2	1045.9	1149.4	1211.9	1222.7
45°	1346.7	1345.6	1303.5	1202.2	1095.4	1044.8	1079.3	1165.5	1264.7	1337.0	1343.4
47.5°	1486.8	1487.9	1451.3	1349.9	1220.5	1163.4	1196.8	1293.8	1410.3	1475.0	1481.4
50°	1652.9	1646.4	1621.6	1503.0	1367.2	1302.5	1345.6	1446.9	1554.8	1623.8	1630.2
52.5°	1827.5	1827.5	1798.4	1689.5	1531.0	1464.2	1500.9	1604.4	1725.1	1787.7	1800.6
55°	2021.6	2013.0	2001.1	1882.5	1720.8	1643.2	1679.8	1797.4	1908.4	1962.3	1963.4
57.5°	2231.9	2223.2	2221.1	2114.3	1930.0	1828.6	1870.7	1981.7	2107.9	2143.5	2154.2
60°	2435.7	2450.7	2442.1	2348.3	2140.2	2025.9	2073.4	2189.8	2311.7	2344.0	2354.8
62.5°	2657.8	2665.3	2689.0	2574.7	2350.5	2228.6	2276.1	2379.6	2503.6	2530.5	2534.8
65°	2849.7	2857.2	2888.5	2780.7	2526.2	2397.9	2451.8	2560.7	2684.7	2708.4	2694.4
67.5°	2964.0	2981.2	3028.7	2926.2	2664.2	2523.0	2578.0	2680.4	2788.2	2809.8	2791.5
68°	2981.2	2995.2	3039.4	2946.7	2681.5	2538.1	2596.3	2697.7	2807.6	2824.9	2810.9
70°	2969.4	2985.5	3040.5	2958.6	2712.7	2575.8	2630.8	2717.1	2818.4	2824.9	2815.2
72.5°	2805.5	2834.6	2888.5	2859.4	2659.9	2535.9	2582.3	2635.1	2705.2	2704.1	2692.3
75°	2491.7	2478.8	2589.8	2603.8	2472.3	2401.1	2423.8	2424.9	2438.9	2419.5	2380.7
77.5°	1992.5	2022.7	2130.5	2224.3	2180.1	2152.1	2156.4	2092.8	2064.7	1981.7	1955.9
80°	1453.4	1477.1	1592.5	1734.8	1798.4	1830.8	1794.1	1674.4	1576.3	1491.1	1462.0
82.5°	991.9	1000.6	1136.4	1273.4	1400.6	1439.4	1407.0	1244.2	1108.4	1017.8	977.9
85°	610.3	624.3	721.3	857.2	1007.0	1095.4	1020.0	857.2	720.2	649.1	632.9
87.5°	359.0	380.6	445.3	547.7	691.1	766.6	707.3	566.1	456.1	404.3	384.9
90°	224.3	237.2	278.2	352.6	463.6	518.6	478.7	367.7	294.3	250.1	236.1
92.5°	156.3	160.7	188.7	236.1	315.9	353.6	320.2	252.3	201.6	168.2	162.8
95°	116.4	119.7	136.9	167.1	217.8	246.9	224.3	177.9	143.4	120.8	117.5
97.5°	91.6	93.8	107.8	127.2	159.6	180.1	166.0	135.9	111.1	92.7	89.5
100°	71.2	73.3	86.3	101.4	125.1	135.9	127.2	106.7	87.3	71.2	69.0
102.5°	56.1	57.1	69.0	83.0	100.3	107.8	101.4	86.3	69.0	55.0	53.9
105°	44.2	45.3	56.1	69.0	83.0	88.4	84.1	71.2	55.0	42.0	41.0
107.5°	34.5	35.6	44.2	57.1	69.0	73.3	69.0	58.2	43.1	33.4	32.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	28.0	28.0	36.7	47.4	58.2	61.5	58.2	47.4	34.5	27.0	25.9
112.5°	23.7	23.7	30.2	39.9	48.5	52.8	48.5	38.8	28.0	21.6	21.6
115°	19.4	20.5	24.8	33.4	41.0	44.2	41.0	32.3	23.7	18.3	18.3
117.5°	17.3	18.3	21.6	28.0	35.6	37.7	34.5	27.0	19.4	16.2	16.2
120°	16.2	16.2	18.3	23.7	30.2	32.3	29.1	23.7	17.3	15.1	15.1
122.5°	15.1	15.1	16.2	20.5	25.9	28.0	24.8	19.4	15.1	14.0	12.9
125°	14.0	14.0	15.1	18.3	22.6	23.7	21.6	17.3	12.9	11.9	11.9
127.5°	12.9	12.9	14.0	16.2	19.4	20.5	19.4	15.1	11.9	11.9	11.9
130°	11.9	11.9	12.9	14.0	17.3	18.3	16.2	12.9	10.8	10.8	10.8
132.5°	10.8	10.8	10.8	12.9	15.1	15.1	14.0	11.9	10.8	9.7	9.7
135°	10.8	10.8	10.8	10.8	12.9	14.0	11.9	10.8	9.7	9.7	9.7
137.5°	9.7	9.7	9.7	9.7	10.8	11.9	10.8	9.7	8.6	8.6	8.6
140°	8.6	8.6	8.6	8.6	9.7	9.7	9.7	7.5	7.5	7.5	7.5
142.5°	7.5	7.5	7.5	7.5	7.5	8.6	7.5	6.5	6.5	6.5	6.5
145°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
147.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
152.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
155°	2.2	2.2	2.2	2.2	3.2	2.2	3.2	2.2	2.2	2.2	2.2
157.5°	1.1	1.1	2.2	2.2	2.2	3.2	2.2	2.2	1.1	1.1	1.1
160°	0.0	1.1	1.1	1.1	2.2	2.2	2.2	1.1	1.1	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)