

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: P413724

Luminaire Tested: **LXF.LXT-PA1-100-727-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413724
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-PA1-100-727-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA 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: 8342 lumens
Efficiency: N/A
Efficacy: 86.9 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: B3 - U3 - G3

Input Watts (W): 96
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

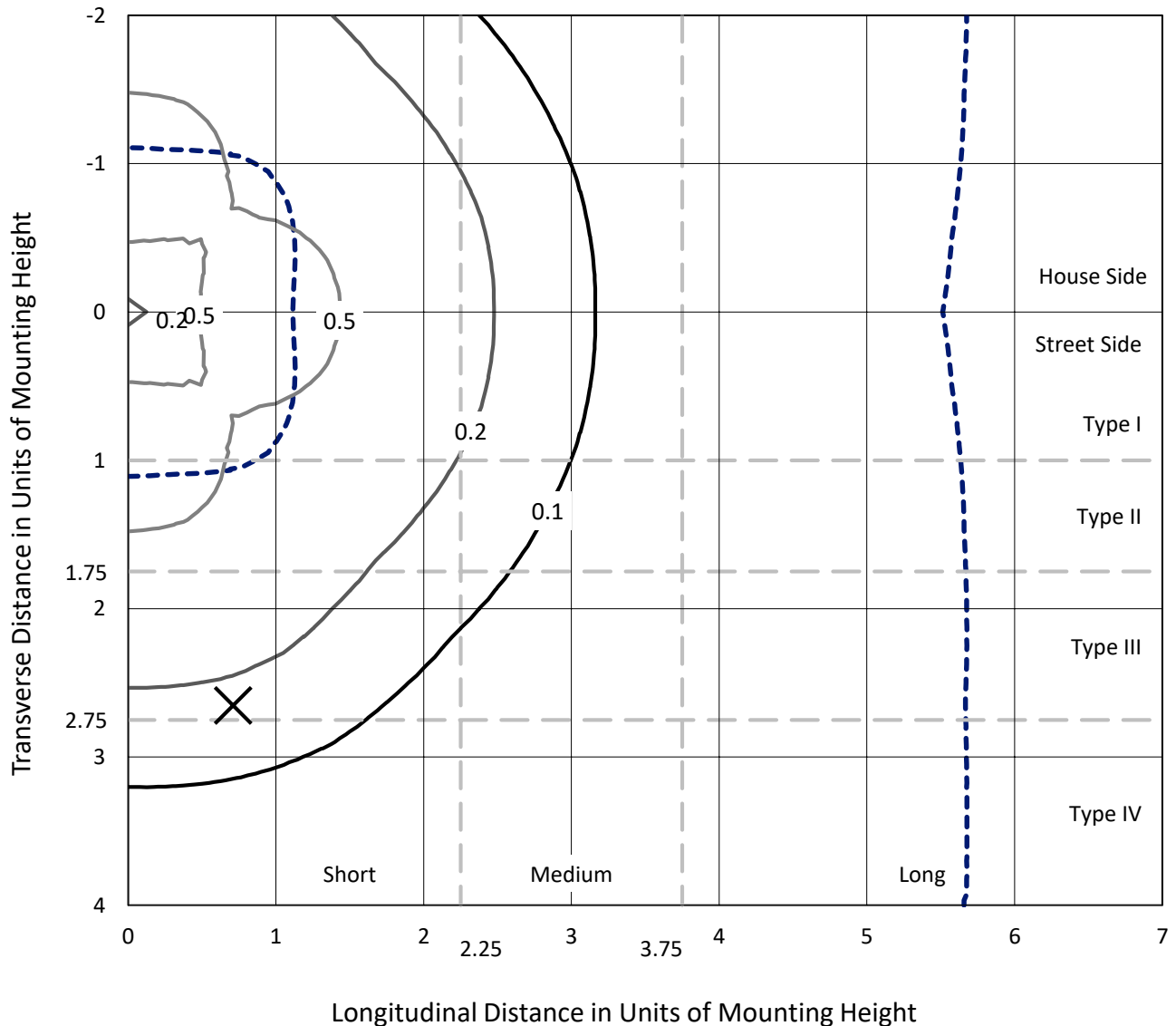


REPORT NUMBER: P413724

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-5WQ-TL

Iso-Footcandle Lines of Horizontal Illumination

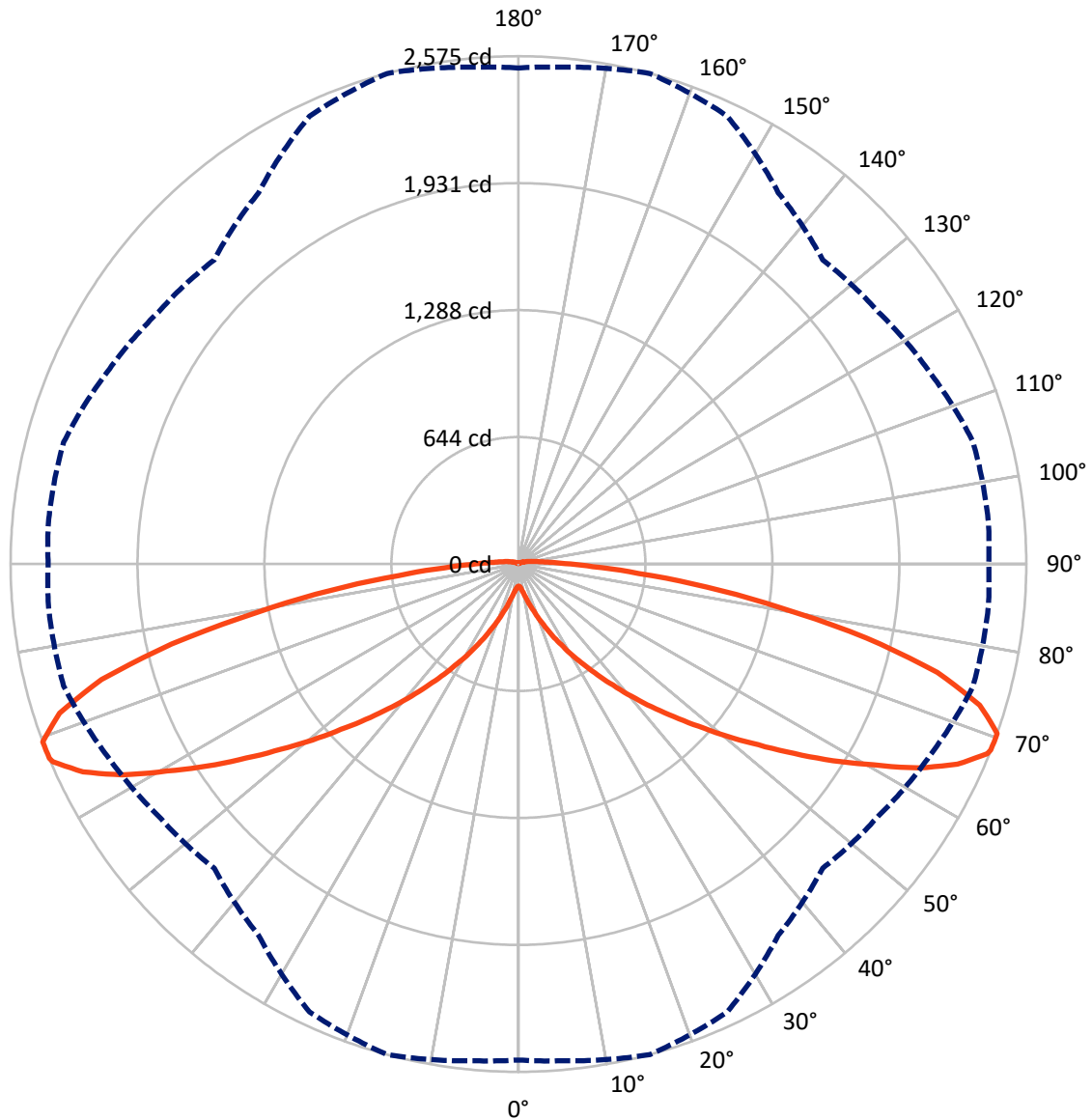
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	4024.1	146.9	4171.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	4024.1	146.9	4171.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	8048.2	293.8	8342.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.1
10°-20°	60.2	0.7
20°-30°	181.2	2.2
30°-40°	416.6	5.0
40°-50°	801.0	9.6
50°-60°	1416.3	17.0
60°-70°	2194.8	26.3
70°-80°	2130.1	25.5
80°-90°	835.5	10.0
90°-100°	179.8	2.2
100°-110°	61.4	0.7
110°-120°	27.0	0.3
120°-130°	13.6	0.2
130°-140°	7.4	0.1
140°-150°	3.5	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8048.2	96.5
0°-180°	8342.0	100.0

Coefficient of Utilization



REPORT NUMBER: P413724

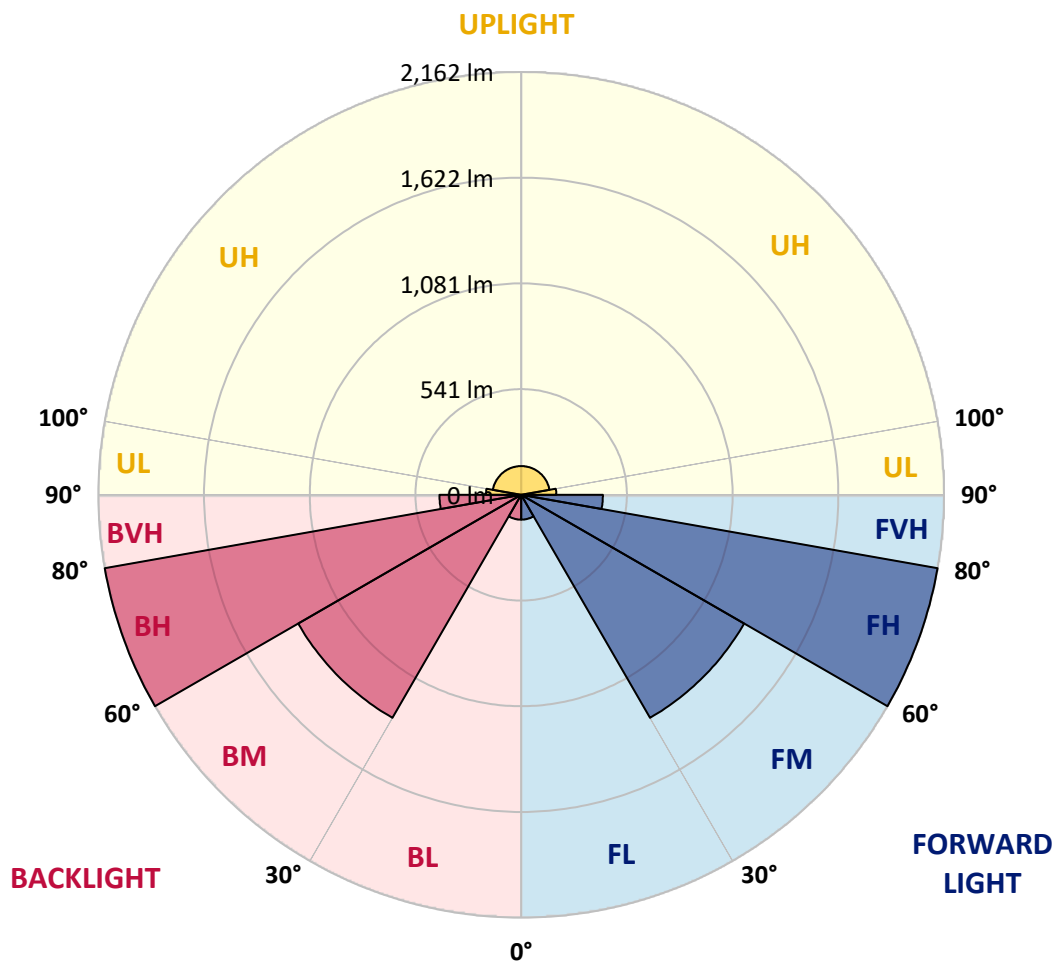
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.0	1.5			
FM (30°-60°)	1316.9	15.8			
FH (60°-80°)	2162.4	25.9			G2/5000
FVH (80°-90°)	417.8	5.0			G3/500
BL (0°-30°)	127.0	1.5	B1/500		
BM (30°-60°)	1316.9	15.8	B2/2500		
BH (60°-80°)	2162.4	25.9	B3/2500		G2/5000
BVH (80°-90°)	417.8	5.0			G3/500
UL (90°-100°)	179.8	2.2		U3/500	
UH (100°-180°)	146.9	1.8		U3/500	

BUG Rating: B3-U3-G3

Type V Short





REPORT NUMBER: P413724

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3
2.5°	114.1	114.1	114.1	115.1	115.1	116.0	115.1	114.1	114.1	113.2	113.2
5°	122.4	122.4	122.4	122.4	123.3	123.3	121.4	120.5	119.6	119.6	119.6
7.5°	135.1	135.1	136.1	135.1	135.1	134.2	132.4	130.6	130.6	129.7	129.7
10°	155.2	153.4	153.4	152.5	151.6	149.8	147.9	147.0	145.2	145.2	143.4
12.5°	182.6	181.7	179.0	176.2	172.6	169.8	168.0	167.1	167.1	167.1	168.9
15°	214.6	215.5	213.7	207.3	200.0	194.5	193.6	193.6	195.4	197.2	197.2
17.5°	256.6	254.8	250.2	242.9	233.8	228.3	224.6	227.4	231.9	234.7	236.5
20°	302.2	301.3	294.9	283.1	273.0	265.7	263.0	266.6	274.9	282.2	281.2
22.5°	355.2	354.3	344.3	328.7	315.0	306.8	304.1	311.4	328.7	337.9	339.7
25°	415.5	412.7	403.6	382.6	363.4	350.6	352.5	365.3	388.1	406.3	405.4
27.5°	484.0	480.3	463.0	439.2	413.6	400.9	404.5	425.5	456.6	477.6	480.3
30°	558.8	553.4	535.1	500.4	471.2	452.9	462.0	491.3	530.5	560.7	564.3
32.5°	631.0	637.4	606.3	571.6	531.4	507.7	519.6	559.7	608.1	650.1	653.8
35°	722.3	716.8	690.3	644.7	595.4	570.7	586.2	635.5	690.3	739.6	741.5
37.5°	820.0	814.5	779.8	724.1	666.6	637.4	657.5	710.4	780.7	830.0	841.0
40°	925.0	914.0	882.1	813.6	743.3	713.2	732.3	799.0	874.8	928.7	936.0
42.5°	1028.2	1021.8	988.9	910.4	830.0	791.7	820.0	885.7	973.4	1026.4	1035.5
45°	1140.5	1139.6	1104.0	1018.1	927.7	884.8	914.0	987.1	1071.1	1132.3	1137.8
47.5°	1259.2	1260.1	1229.1	1143.2	1033.7	985.3	1013.6	1095.8	1194.4	1249.2	1254.6
50°	1399.8	1394.3	1373.3	1272.9	1157.8	1103.1	1139.6	1225.4	1316.7	1375.2	1380.7
52.5°	1547.8	1547.8	1523.1	1430.9	1296.6	1240.0	1271.1	1358.7	1461.0	1514.0	1524.9
55°	1712.1	1704.8	1694.8	1594.3	1457.4	1391.6	1422.7	1522.2	1616.2	1661.9	1662.8
57.5°	1890.2	1882.9	1881.0	1790.6	1634.5	1548.7	1584.3	1678.3	1785.2	1815.3	1824.4
60°	2062.8	2075.5	2068.2	1988.8	1812.6	1715.8	1755.9	1854.6	1957.8	1985.1	1994.3
62.5°	2250.9	2257.3	2277.3	2180.6	1990.6	1887.4	1927.6	2015.3	2120.3	2143.1	2146.8
65°	2413.4	2419.8	2446.3	2355.0	2139.5	2030.8	2076.5	2168.7	2273.7	2293.8	2281.9
67.5°	2510.2	2524.8	2565.0	2478.2	2256.3	2136.7	2183.3	2270.0	2361.4	2379.6	2364.1
68°	2524.8	2536.7	2574.1	2495.6	2271.0	2149.5	2198.8	2284.7	2377.8	2392.4	2380.5
70°	2514.8	2528.5	2575.0	2505.6	2297.4	2181.5	2228.0	2301.1	2386.9	2392.4	2384.2
72.5°	2376.0	2400.6	2446.3	2421.6	2252.7	2147.7	2186.9	2231.7	2291.0	2290.1	2280.1
75°	2110.2	2099.3	2193.3	2205.2	2093.8	2033.5	2052.7	2053.6	2065.5	2049.1	2016.2
77.5°	1687.5	1713.0	1804.3	1883.8	1846.3	1822.6	1826.3	1772.4	1748.6	1678.3	1656.4
80°	1230.9	1251.0	1348.7	1469.2	1523.1	1550.5	1519.4	1418.1	1335.0	1262.9	1238.2
82.5°	840.1	847.4	962.4	1078.4	1186.2	1219.0	1191.6	1053.8	938.7	862.0	828.2
85°	516.8	528.7	610.9	725.9	852.9	927.7	863.8	725.9	610.0	549.7	536.0
87.5°	304.1	322.3	377.1	463.9	585.3	649.2	599.0	479.4	386.3	342.4	326.0
90°	189.9	200.9	235.6	298.6	392.6	439.2	405.4	311.4	249.3	211.8	200.0
92.5°	132.4	136.1	159.8	200.0	267.5	299.5	271.2	213.7	170.8	142.4	137.9
95°	98.6	101.4	116.0	141.5	184.5	209.1	189.9	150.7	121.4	102.3	99.5
97.5°	77.6	79.4	91.3	107.7	135.1	152.5	140.6	115.1	94.1	78.5	75.8
100°	60.3	62.1	73.1	85.8	105.9	115.1	107.7	90.4	74.0	60.3	58.4
102.5°	47.5	48.4	58.4	70.3	84.9	91.3	85.8	73.1	58.4	46.6	45.7
105°	37.4	38.4	47.5	58.4	70.3	74.9	71.2	60.3	46.6	35.6	34.7
107.5°	29.2	30.1	37.4	48.4	58.4	62.1	58.4	49.3	36.5	28.3	27.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	23.7	23.7	31.0	40.2	49.3	52.0	49.3	40.2	29.2	22.8	21.9
112.5°	20.1	20.1	25.6	33.8	41.1	44.7	41.1	32.9	23.7	18.3	18.3
115°	16.4	17.3	21.0	28.3	34.7	37.4	34.7	27.4	20.1	15.5	15.5
117.5°	14.6	15.5	18.3	23.7	30.1	32.0	29.2	22.8	16.4	13.7	13.7
120°	13.7	13.7	15.5	20.1	25.6	27.4	24.7	20.1	14.6	12.8	12.8
122.5°	12.8	12.8	13.7	17.3	21.9	23.7	21.0	16.4	12.8	11.9	11.0
125°	11.9	11.9	12.8	15.5	19.2	20.1	18.3	14.6	11.0	10.0	10.0
127.5°	11.0	11.0	11.9	13.7	16.4	17.3	16.4	12.8	10.0	10.0	10.0
130°	10.0	10.0	11.0	11.9	14.6	15.5	13.7	11.0	9.1	9.1	9.1
132.5°	9.1	9.1	9.1	11.0	12.8	12.8	11.9	10.0	9.1	8.2	8.2
135°	9.1	9.1	9.1	9.1	11.0	11.9	10.0	9.1	8.2	8.2	8.2
137.5°	8.2	8.2	8.2	8.2	9.1	10.0	9.1	8.2	7.3	7.3	7.3
140°	7.3	7.3	7.3	7.3	8.2	8.2	8.2	6.4	6.4	6.4	6.4
142.5°	6.4	6.4	6.4	6.4	6.4	7.3	6.4	5.5	5.5	5.5	5.5
145°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
147.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
150°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
152.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
155°	1.8	1.8	1.8	1.8	2.7	1.8	2.7	1.8	1.8	1.8	1.8
157.5°	0.9	0.9	1.8	1.8	1.8	2.7	1.8	1.8	0.9	0.9	0.9
160°	0.0	0.9	0.9	0.9	1.8	1.8	1.8	0.9	0.9	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)