

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: P416740

Luminaire Tested: **LXF.LXT-PA1-80-740-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416740
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-PA1-80-740-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA 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: 9136 lumens
Efficiency: N/A
Efficacy: 110.1 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

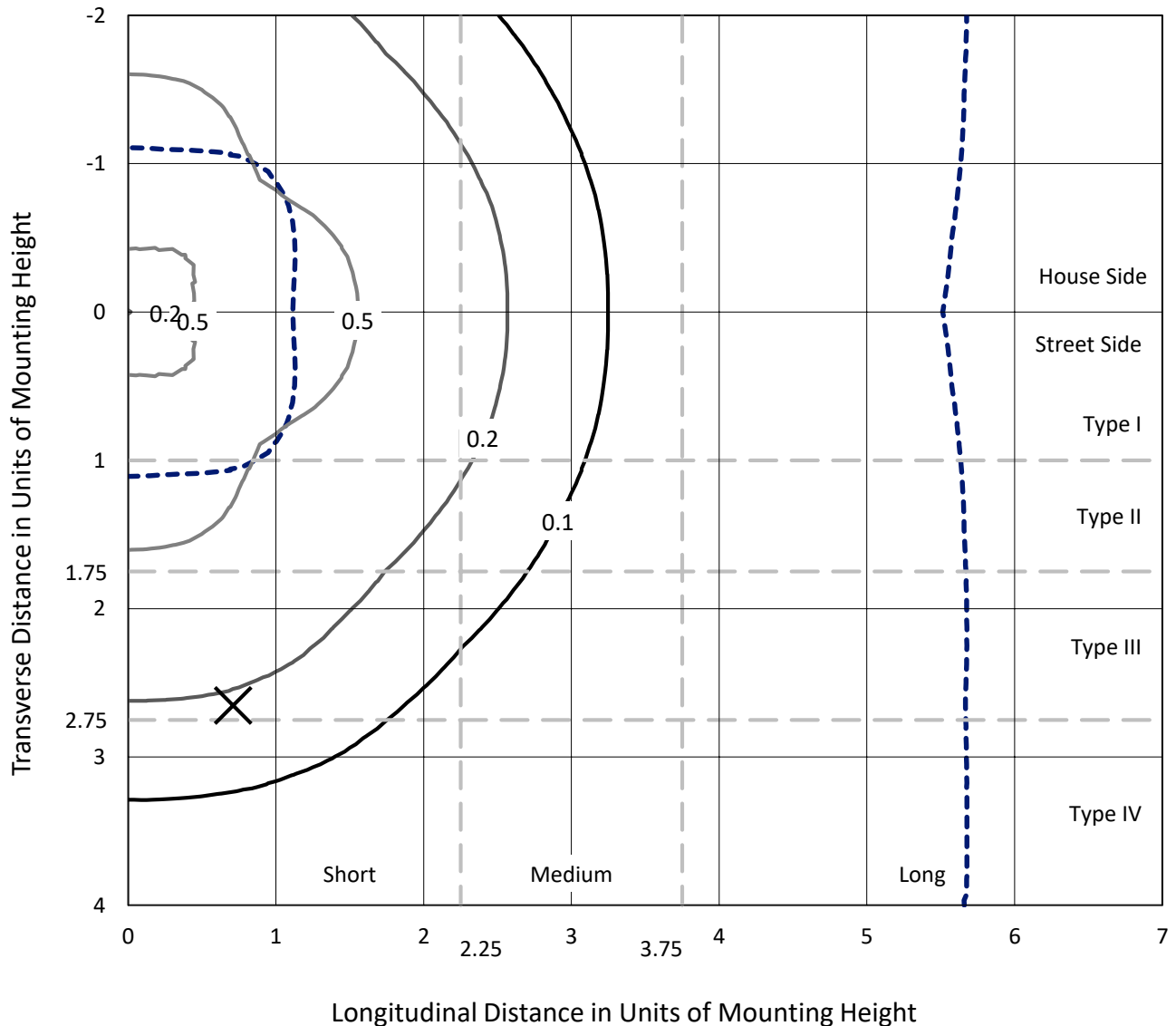
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

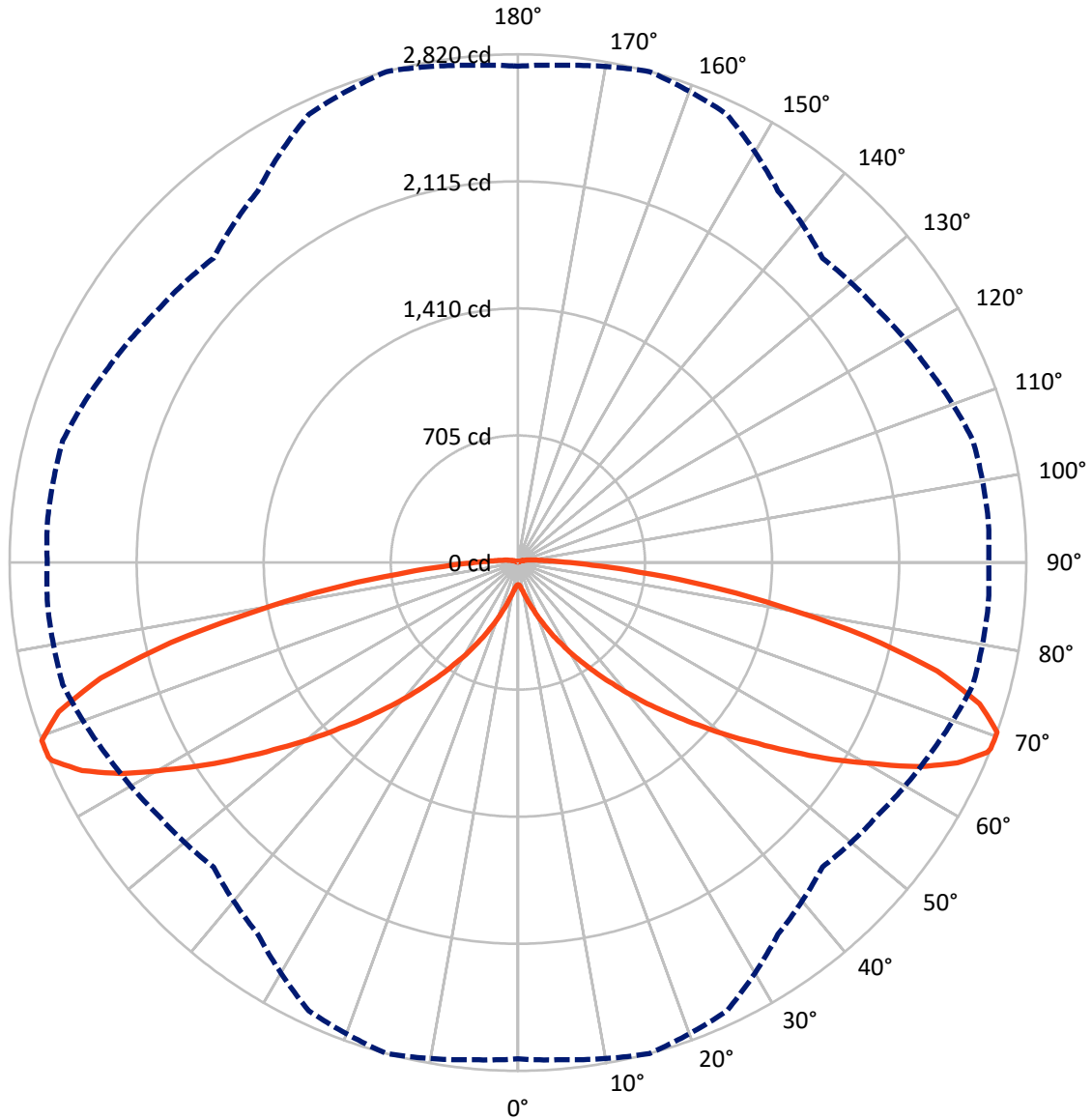
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	4407.1	160.9	4568.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	4407.1	160.9	4568.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	8814.2	321.7	9136.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.1
10°-20°	66.0	0.7
20°-30°	198.4	2.2
30°-40°	456.2	5.0
40°-50°	877.3	9.6
50°-60°	1551.1	17.0
60°-70°	2403.7	26.3
70°-80°	2332.8	25.5
80°-90°	915.0	10.0
90°-100°	196.9	2.2
100°-110°	67.3	0.7
110°-120°	29.6	0.3
120°-130°	14.9	0.2
130°-140°	8.1	0.1
140°-150°	3.8	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8814.2	96.5
0°-180°	9136.0	100.0



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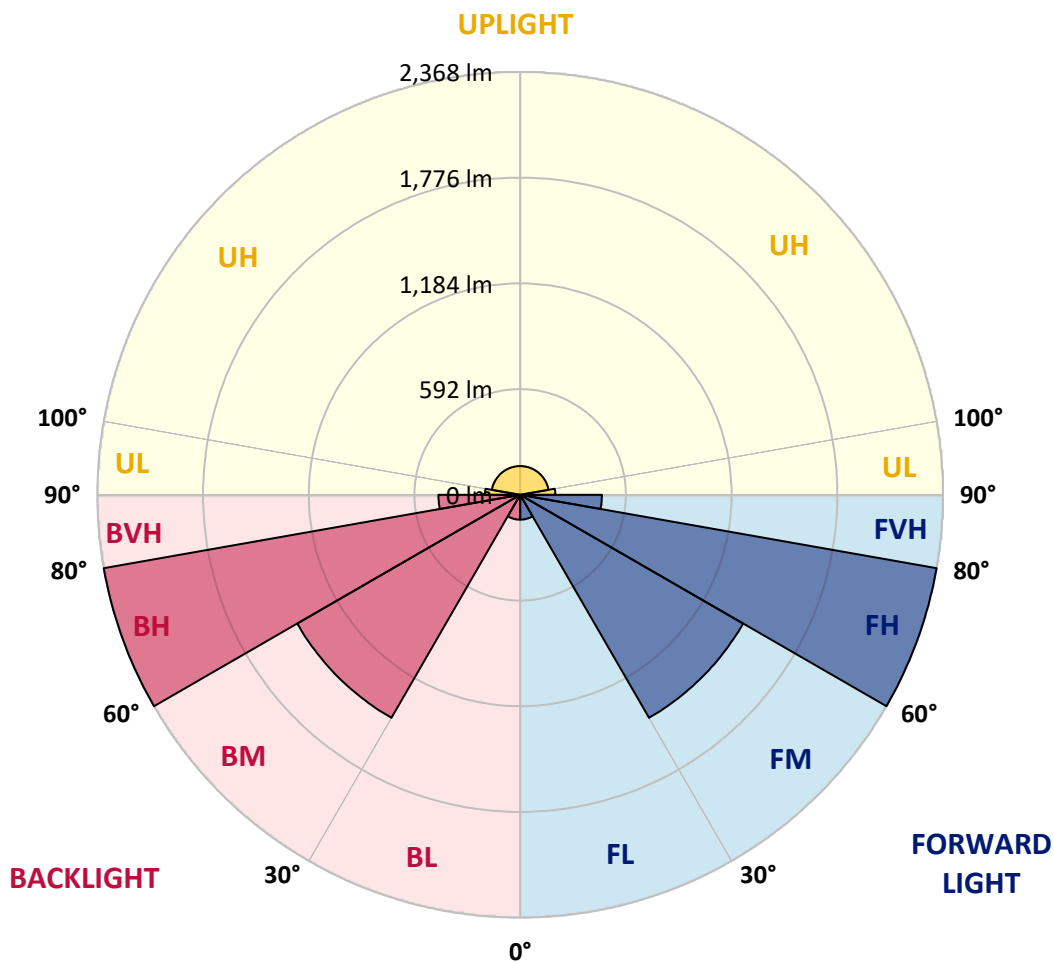
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.0	1.5			
FM	(30°-60°)	1442.3	15.8			
FH	(60°-80°)	2368.3	25.9			G2/5000
FVH	(80°-90°)	457.5	5.0			G3/500
BL	(0°-30°)	139.0	1.5	B1/500		
BM	(30°-60°)	1442.3	15.8	B2/2500		
BH	(60°-80°)	2368.3	25.9	B3/2500		G2/5000
BVH	(80°-90°)	457.5	5.0			G3/500
UL	(90°-100°)	196.9	2.2		U3/500	
UH	(100°-180°)	160.9	1.8		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0
2.5°	125.0	125.0	125.0	126.0	126.0	127.0	126.0	125.0	125.0	124.0	124.0
5°	134.0	134.0	134.0	134.0	135.0	135.0	133.0	132.0	131.0	131.0	131.0
7.5°	148.0	148.0	149.0	148.0	148.0	147.0	145.0	143.0	143.0	142.0	142.0
10°	170.0	168.0	168.0	167.0	166.0	164.0	162.0	161.0	159.0	159.0	157.0
12.5°	200.0	199.0	196.0	193.0	189.0	186.0	184.0	183.0	183.0	183.0	185.0
15°	235.0	236.0	234.0	227.0	219.0	213.0	212.0	212.0	214.0	216.0	216.0
17.5°	281.0	279.0	274.0	266.0	256.0	250.0	246.0	249.0	254.0	257.0	259.0
20°	331.0	330.0	323.0	310.0	299.0	291.0	288.0	292.0	301.0	309.0	308.0
22.5°	389.0	388.0	377.0	360.0	345.0	336.0	333.0	341.0	360.0	370.0	372.0
25°	455.0	452.0	442.0	419.0	398.0	384.0	386.0	400.0	425.0	445.0	444.0
27.5°	530.0	526.0	507.0	481.0	453.0	439.0	443.0	466.0	500.0	523.0	526.0
30°	612.0	606.0	586.0	548.0	516.0	496.0	506.0	538.0	581.0	614.0	618.0
32.5°	691.0	698.0	664.0	626.0	582.0	556.0	569.0	613.0	666.0	712.0	716.0
35°	791.0	785.0	756.0	706.0	652.0	625.0	642.0	696.0	756.0	810.0	812.0
37.5°	898.0	892.0	854.0	793.0	730.0	698.0	720.0	778.0	855.0	909.0	921.0
40°	1013.0	1001.0	966.0	891.0	814.0	781.0	802.0	875.0	958.0	1017.0	1025.0
42.5°	1126.0	1119.0	1083.0	997.0	909.0	867.0	898.0	970.0	1066.0	1124.0	1134.0
45°	1249.1	1248.1	1209.1	1115.0	1016.0	969.0	1001.0	1081.0	1173.1	1240.1	1246.1
47.5°	1379.1	1380.1	1346.1	1252.1	1132.0	1079.0	1110.0	1200.1	1308.1	1368.1	1374.1
50°	1533.1	1527.1	1504.1	1394.1	1268.1	1208.1	1248.1	1342.1	1442.1	1506.1	1512.1
52.5°	1695.1	1695.1	1668.1	1567.1	1420.1	1358.1	1392.1	1488.1	1600.1	1658.1	1670.1
55°	1875.1	1867.1	1856.1	1746.1	1596.1	1524.1	1558.1	1667.1	1770.1	1820.1	1821.1
57.5°	2070.1	2062.1	2060.1	1961.1	1790.1	1696.1	1735.1	1838.1	1955.1	1988.1	1998.1
60°	2259.1	2273.1	2265.1	2178.1	1985.1	1879.1	1923.1	2031.1	2144.1	2174.1	2184.1
62.5°	2465.1	2472.1	2494.1	2388.1	2180.1	2067.1	2111.1	2207.1	2322.1	2347.1	2351.1
65°	2643.1	2650.1	2679.1	2579.1	2343.1	2224.1	2274.1	2375.1	2490.1	2512.1	2499.1
67.5°	2749.1	2765.1	2809.1	2714.1	2471.1	2340.1	2391.1	2486.1	2586.1	2606.1	2589.1
68°	2765.1	2778.1	2819.1	2733.1	2487.1	2354.1	2408.1	2502.1	2604.1	2620.1	2607.1
70°	2754.1	2769.1	2820.1	2744.1	2516.1	2389.1	2440.1	2520.1	2614.1	2620.1	2611.1
72.5°	2602.1	2629.1	2679.1	2652.1	2467.1	2352.1	2395.1	2444.1	2509.1	2508.1	2497.1
75°	2311.1	2299.1	2402.1	2415.1	2293.1	2227.1	2248.1	2249.1	2262.1	2244.1	2208.1
77.5°	1848.1	1876.1	1976.1	2063.1	2022.1	1996.1	2000.1	1941.1	1915.1	1838.1	1814.1
80°	1348.1	1370.1	1477.1	1609.1	1668.1	1698.1	1664.1	1553.1	1462.1	1383.1	1356.1
82.5°	920.0	928.0	1054.0	1181.1	1299.1	1335.1	1305.1	1154.0	1028.0	944.0	907.0
85°	566.0	579.0	669.0	795.0	934.0	1016.0	946.0	795.0	668.0	602.0	587.0
87.5°	333.0	353.0	413.0	508.0	641.0	711.0	656.0	525.0	423.0	375.0	357.0
90°	208.0	220.0	258.0	327.0	430.0	481.0	444.0	341.0	273.0	232.0	219.0
92.5°	145.0	149.0	175.0	219.0	293.0	328.0	297.0	234.0	187.0	156.0	151.0
95°	108.0	111.0	127.0	155.0	202.0	229.0	208.0	165.0	133.0	112.0	109.0
97.5°	85.0	87.0	100.0	118.0	148.0	167.0	154.0	126.0	103.0	86.0	83.0
100°	66.0	68.0	80.0	94.0	116.0	126.0	118.0	99.0	81.0	66.0	64.0
102.5°	52.0	53.0	64.0	77.0	93.0	100.0	94.0	80.0	64.0	51.0	50.0
105°	41.0	42.0	52.0	64.0	77.0	82.0	78.0	66.0	51.0	39.0	38.0
107.5°	32.0	33.0	41.0	53.0	64.0	68.0	64.0	54.0	40.0	31.0	30.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	26.0	26.0	34.0	44.0	54.0	57.0	54.0	44.0	32.0	25.0	24.0
112.5°	22.0	22.0	28.0	37.0	45.0	49.0	45.0	36.0	26.0	20.0	20.0
115°	18.0	19.0	23.0	31.0	38.0	41.0	38.0	30.0	22.0	17.0	17.0
117.5°	16.0	17.0	20.0	26.0	33.0	35.0	32.0	25.0	18.0	15.0	15.0
120°	15.0	15.0	17.0	22.0	28.0	30.0	27.0	22.0	16.0	14.0	14.0
122.5°	14.0	14.0	15.0	19.0	24.0	26.0	23.0	18.0	14.0	13.0	12.0
125°	13.0	13.0	14.0	17.0	21.0	22.0	20.0	16.0	12.0	11.0	11.0
127.5°	12.0	12.0	13.0	15.0	18.0	19.0	18.0	14.0	11.0	11.0	11.0
130°	11.0	11.0	12.0	13.0	16.0	17.0	15.0	12.0	10.0	10.0	10.0
132.5°	10.0	10.0	10.0	12.0	14.0	14.0	13.0	11.0	10.0	9.0	9.0
135°	10.0	10.0	10.0	10.0	12.0	13.0	11.0	10.0	9.0	9.0	9.0
137.5°	9.0	9.0	9.0	9.0	10.0	11.0	10.0	9.0	8.0	8.0	8.0
140°	8.0	8.0	8.0	8.0	9.0	9.0	9.0	7.0	7.0	7.0	7.0
142.5°	7.0	7.0	7.0	7.0	7.0	8.0	7.0	6.0	6.0	6.0	6.0
145°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
147.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
150°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
152.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
155°	2.0	2.0	2.0	2.0	3.0	2.0	3.0	2.0	2.0	2.0	2.0
157.5°	1.0	1.0	2.0	2.0	2.0	3.0	2.0	2.0	1.0	1.0	1.0
160°	0.0	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	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)