

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: P417100

Luminaire Tested: **LXF.LXT-PA1-90-730-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417100
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-PA1-90-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA 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: 9009 lumens
Efficiency: N/A
Efficacy: 95.8 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: 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

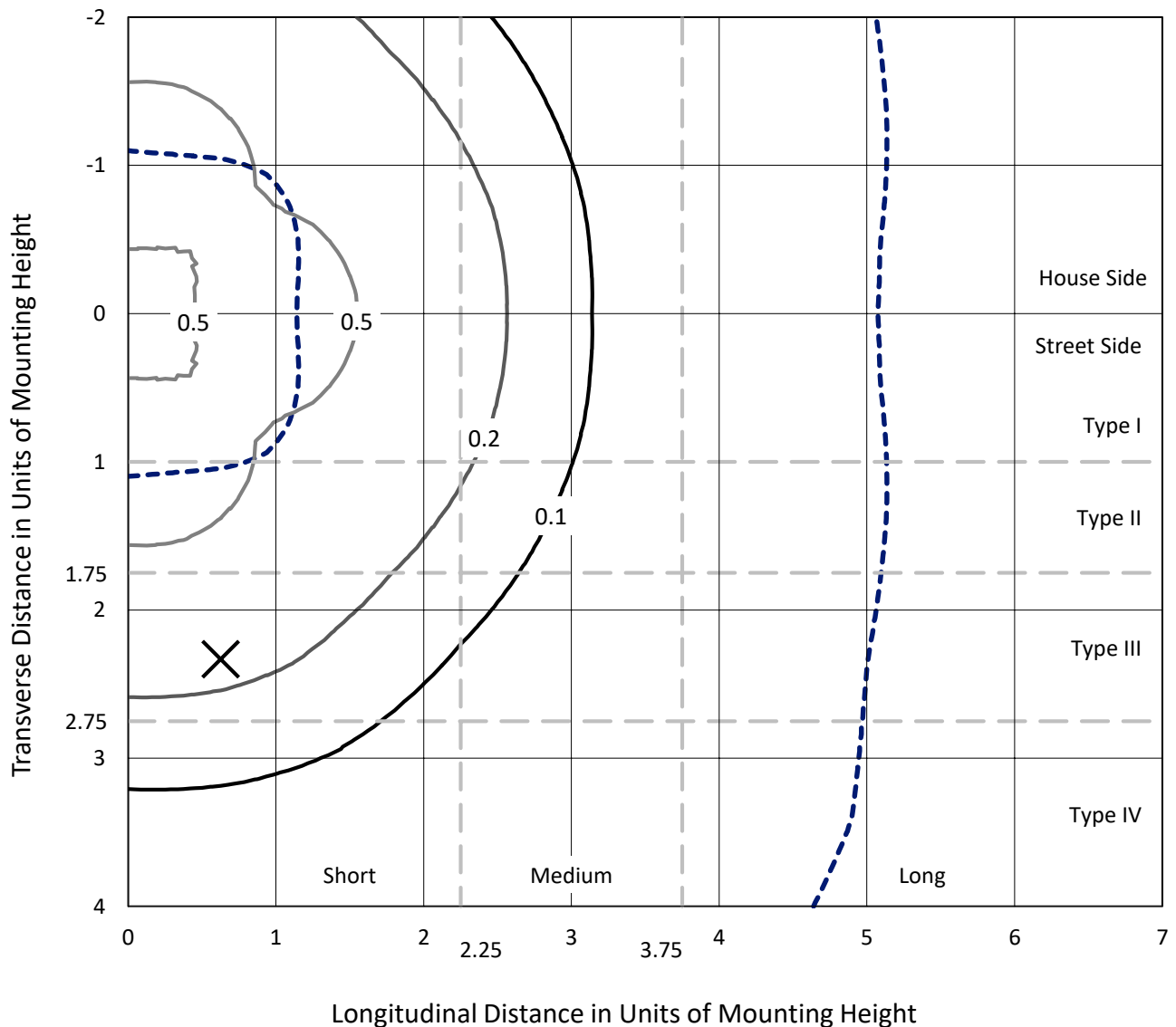


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

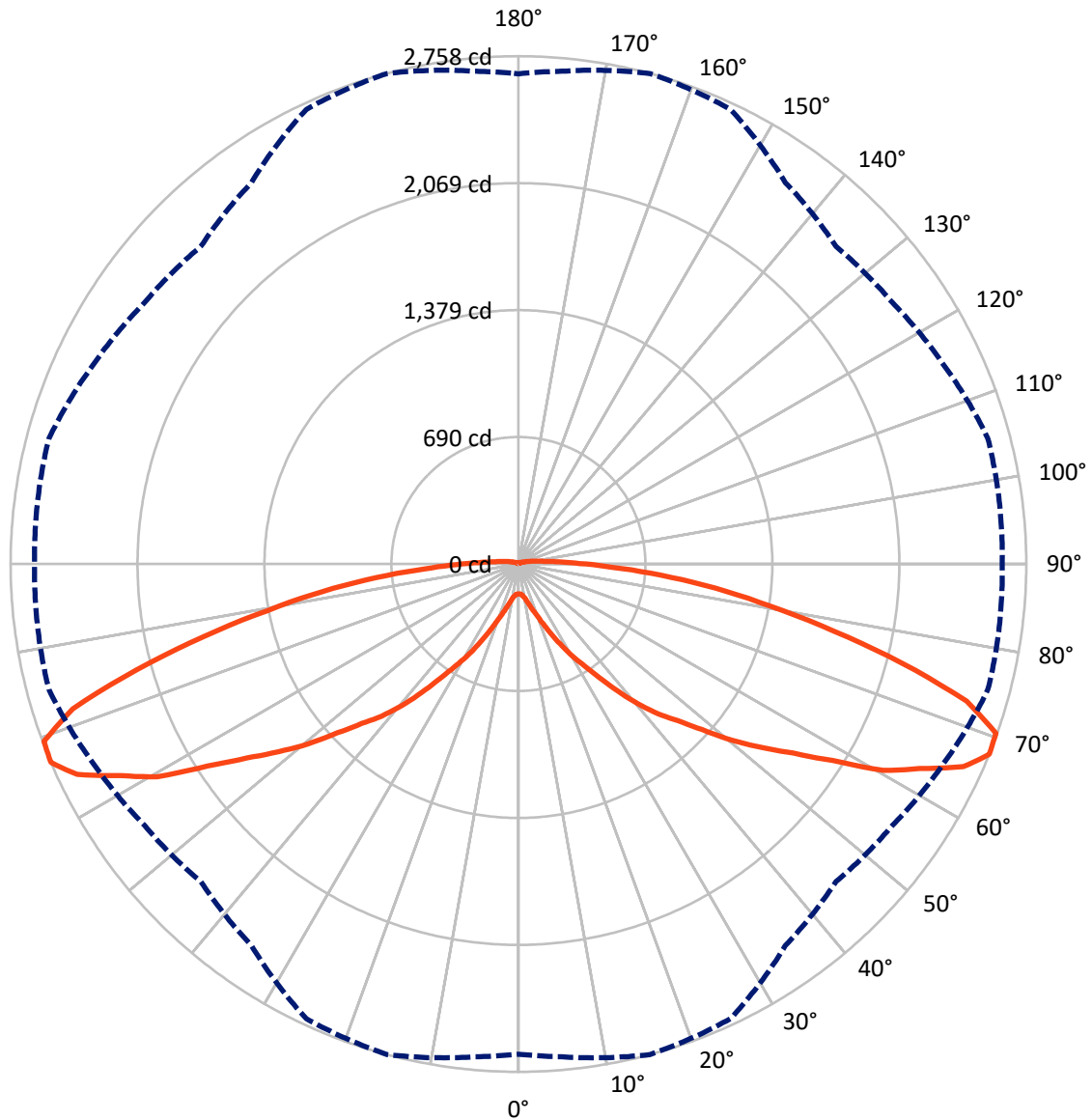


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - Non-Cutoff

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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	4326.7	177.8	4504.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	4326.7	177.8	4504.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	8653.5	355.5	9009.0
	% Fixture	96.1	3.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.4	0.2
10°-20°	67.3	0.7
20°-30°	194.0	2.2
30°-40°	456.8	5.1
40°-50°	861.0	9.6
50°-60°	1535.6	17.0
60°-70°	2427.6	26.9
70°-80°	2138.9	23.7
80°-90°	956.0	10.6
90°-100°	237.4	2.6
100°-110°	65.4	0.7
110°-120°	26.2	0.3
120°-130°	13.9	0.2
130°-140°	8.1	0.1
140°-150°	3.4	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8653.5	96.1
0°-180°	9009.0	100.0

Coefficient of Utilization



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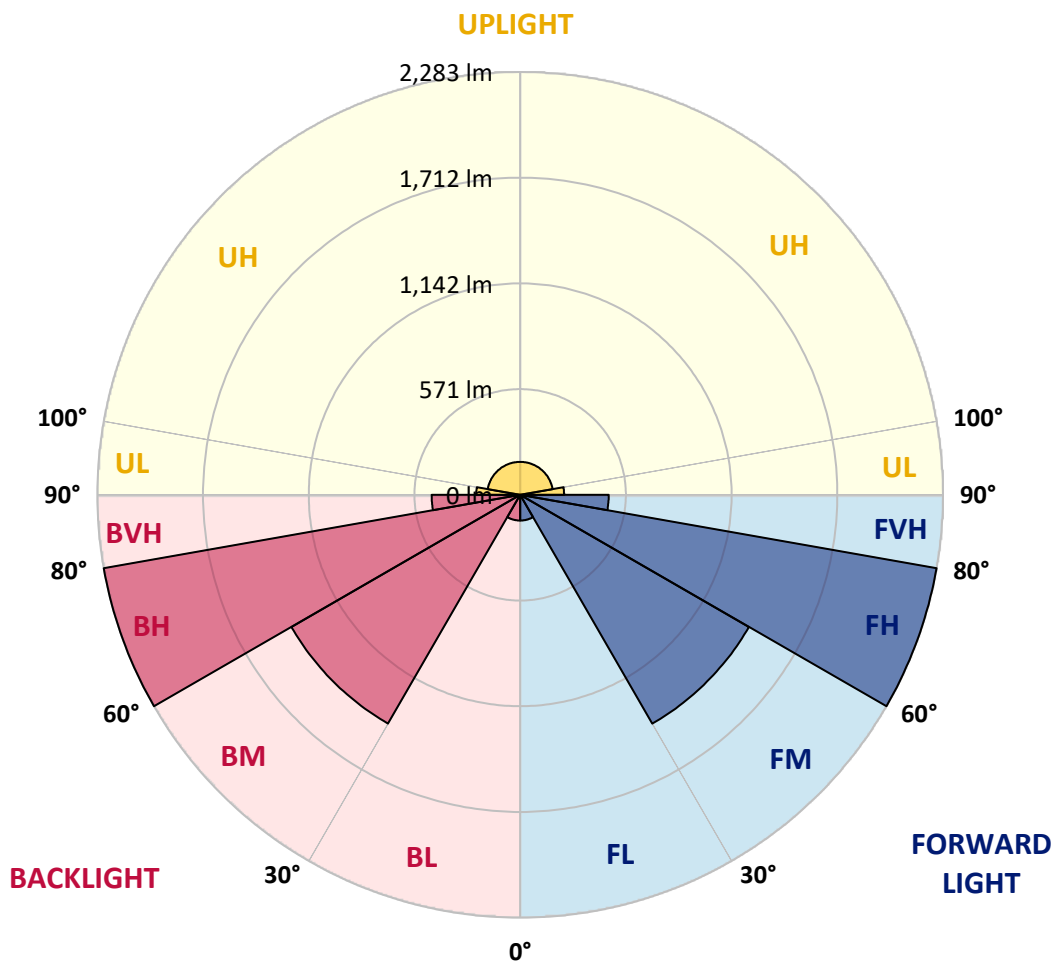
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.8	1.5			
FM	(30°-60°)	1426.7	15.8			
FH	(60°-80°)	2283.3	25.3			G2/5000
FVH	(80°-90°)	478.0	5.3			G3/500
BL	(0°-30°)	138.8	1.5	B1/500		
BM	(30°-60°)	1426.7	15.8	B2/2500		
BH	(60°-80°)	2283.3	25.3	B3/2500		G2/5000
BVH	(80°-90°)	478.0	5.3			G3/500
UL	(90°-100°)	237.4	2.6		U3/500	
UH	(100°-180°)	177.8	2.0		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°	162.0	162.0	162.0	162.0	162.0	162.0	162.0	162.0	162.0	162.0	162.0
2.5°	162.0	162.0	163.0	163.0	164.0	165.0	164.0	163.0	162.0	161.0	161.0
5°	166.9	166.9	166.9	166.9	167.9	167.9	166.9	165.0	164.0	163.0	163.0
7.5°	174.8	174.8	174.8	174.8	174.8	173.8	171.8	169.9	168.9	167.9	167.9
10°	187.6	187.6	185.6	185.6	184.6	183.6	181.7	179.7	177.7	178.7	178.7
12.5°	209.2	210.1	207.2	202.3	198.4	196.4	195.4	195.4	198.4	198.4	199.3
15°	240.6	240.6	235.7	228.8	220.9	215.0	217.0	221.9	226.8	229.8	229.8
17.5°	274.9	274.9	270.0	261.2	250.4	247.5	246.5	251.4	262.2	266.1	267.1
20°	318.2	318.2	309.3	296.5	286.7	282.8	282.8	290.7	302.4	311.3	310.3
22.5°	377.1	376.1	363.3	341.7	329.0	323.1	322.1	332.9	353.5	367.2	371.2
25°	447.8	446.8	430.1	401.6	382.0	366.3	370.2	388.9	420.3	441.9	441.9
27.5°	528.3	524.4	502.8	471.3	441.9	421.3	427.1	453.7	492.9	522.4	523.4
30°	606.8	606.8	583.3	546.0	506.7	481.2	488.0	525.3	572.5	618.6	619.6
32.5°	690.3	689.3	659.9	622.6	574.4	546.0	556.8	602.9	669.7	722.7	732.5
35°	797.3	798.3	757.1	706.0	645.1	613.7	628.4	688.3	767.9	831.7	837.6
37.5°	912.2	918.1	873.0	807.2	725.7	687.4	709.0	778.7	871.0	937.8	937.8
40°	1036.0	1038.9	997.7	914.2	816.0	765.9	794.4	869.0	939.7	996.7	999.6
42.5°	1141.0	1144.0	1111.6	1030.1	920.1	860.2	876.9	933.8	1000.6	1064.4	1070.3
45°	1223.5	1233.3	1213.7	1144.0	1032.0	959.4	957.4	1015.3	1095.9	1162.6	1170.5
47.5°	1372.8	1377.7	1343.3	1260.8	1146.9	1067.4	1059.5	1117.5	1222.5	1294.2	1299.1
50°	1504.3	1519.1	1506.3	1417.9	1282.4	1186.2	1187.2	1263.8	1377.7	1450.3	1457.2
52.5°	1652.6	1659.5	1655.6	1580.0	1448.4	1334.5	1347.2	1433.6	1556.4	1601.6	1609.4
55°	1788.1	1798.9	1812.7	1756.7	1626.1	1525.9	1537.7	1630.0	1712.5	1755.7	1759.6
57.5°	2003.2	2014.0	2013.0	1930.5	1818.6	1721.4	1741.0	1813.7	1921.7	1995.3	2008.1
60°	2236.9	2252.6	2277.1	2170.1	2002.2	1934.4	1959.0	2064.1	2186.8	2197.6	2211.3
62.5°	2393.0	2400.9	2447.0	2411.7	2216.3	2134.8	2199.6	2288.9	2352.7	2362.6	2358.6
65°	2597.2	2622.8	2655.2	2573.7	2416.6	2304.6	2379.3	2446.0	2560.9	2570.7	2568.8
67.5°	2662.1	2686.6	2758.3	2724.9	2528.5	2439.2	2477.5	2551.1	2639.5	2631.6	2627.7
70°	2667.0	2690.5	2751.4	2733.7	2554.0	2430.3	2469.6	2498.1	2579.6	2580.6	2569.8
72.5°	2399.9	2441.1	2545.2	2576.6	2419.5	2292.8	2295.8	2294.8	2300.7	2235.9	2210.4
75°	2021.8	2051.3	2153.4	2229.0	2148.5	2039.5	2037.5	1955.1	1937.4	1888.3	1870.6
77.5°	1619.2	1655.6	1753.8	1836.2	1807.8	1748.8	1718.4	1625.1	1599.6	1543.6	1550.5
80°	1258.9	1287.3	1384.5	1491.6	1499.4	1458.2	1424.8	1348.2	1298.1	1251.0	1230.4
82.5°	969.2	993.7	1077.2	1193.1	1241.2	1236.3	1189.1	1102.7	1057.6	1012.4	985.9
85°	669.7	691.3	773.8	914.2	1000.6	1031.0	978.0	869.0	788.5	724.7	709.9
87.5°	432.1	441.9	507.7	629.4	759.0	830.7	774.8	638.3	537.1	486.1	469.4
90°	270.0	284.8	331.9	407.5	534.2	625.5	568.5	430.1	357.4	305.4	294.6
92.5°	187.6	185.6	218.0	271.0	364.3	438.9	389.8	284.8	225.8	191.5	184.6
95°	123.7	128.6	146.3	179.7	246.5	292.6	257.3	189.5	148.3	123.7	120.8
97.5°	92.3	93.3	107.0	127.7	167.9	192.5	170.9	131.6	105.1	89.4	88.4
100°	72.7	73.6	83.5	95.2	117.8	133.5	119.8	99.2	81.5	69.7	69.7
102.5°	57.0	57.9	64.8	74.6	89.4	99.2	91.3	76.6	63.8	55.0	54.0
105°	45.2	45.2	51.1	58.9	69.7	76.6	71.7	59.9	49.1	43.2	43.2
107.5°	35.4	36.3	40.3	46.2	56.0	62.8	57.0	46.2	38.3	33.4	33.4
110°	28.5	28.5	31.4	37.3	45.2	51.1	46.2	37.3	30.4	27.5	27.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	23.6	23.6	25.5	30.4	37.3	42.2	37.3	30.4	24.5	22.6	22.6
115°	19.6	19.6	21.6	24.5	31.4	34.4	31.4	24.5	20.6	18.7	18.7
117.5°	17.7	17.7	18.7	21.6	26.5	28.5	26.5	20.6	17.7	16.7	16.7
120°	15.7	15.7	16.7	18.7	22.6	24.5	22.6	18.7	15.7	14.7	14.7
122.5°	14.7	14.7	14.7	16.7	20.6	21.6	19.6	16.7	13.7	13.7	13.7
125°	13.7	13.7	13.7	14.7	17.7	18.7	17.7	14.7	12.8	12.8	12.8
127.5°	12.8	12.8	12.8	13.7	15.7	16.7	15.7	13.7	11.8	11.8	11.8
130°	12.8	12.8	11.8	12.8	13.7	14.7	13.7	12.8	11.8	10.8	11.8
132.5°	11.8	11.8	11.8	11.8	12.8	12.8	12.8	11.8	10.8	10.8	10.8
135°	10.8	10.8	9.8	9.8	10.8	11.8	10.8	9.8	9.8	9.8	9.8
137.5°	9.8	8.8	8.8	8.8	9.8	9.8	9.8	8.8	8.8	8.8	8.8
140°	7.9	7.9	7.9	7.9	7.9	8.8	7.9	6.9	6.9	7.9	7.9
142.5°	6.9	6.9	6.9	5.9	6.9	6.9	6.9	5.9	5.9	5.9	5.9
145°	5.9	5.9	5.9	4.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9
147.5°	3.9	4.9	3.9	3.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9
150°	2.9	2.9	2.9	2.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9
152.5°	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0
155°	2.0	2.0	2.0	2.0	2.9	2.9	2.0	2.0	2.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	2.0	2.9	2.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	1.0	2.0	2.9	2.0	1.0	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)