

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: P413776

Luminaire Tested: **LXF.LXT-PA1-100-730-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413776  
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-PA1-100-730-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 9084 lumens  
Efficiency: N/A  
Efficacy: 94.6 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 (A<sub>in</sub>): 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

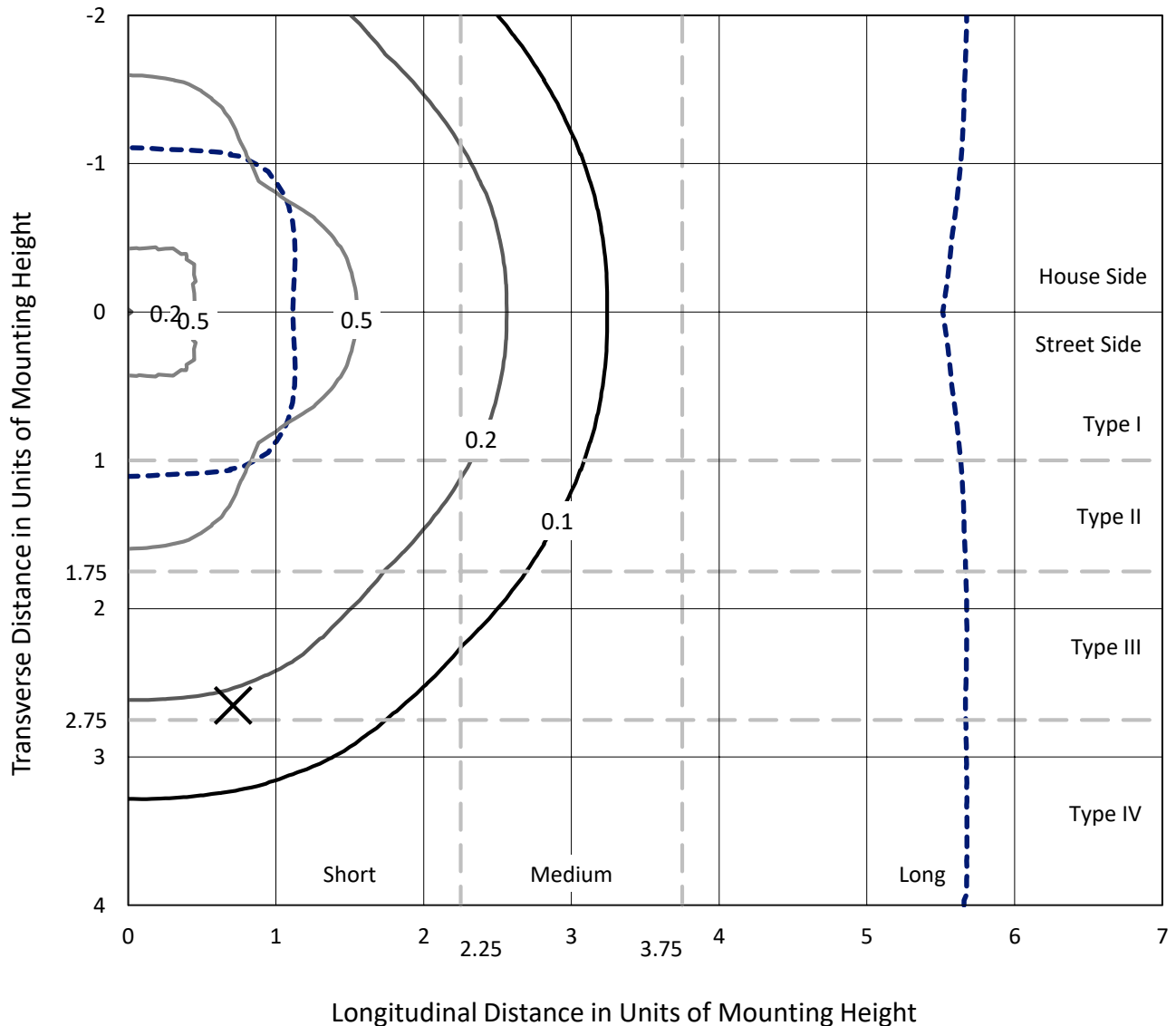


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

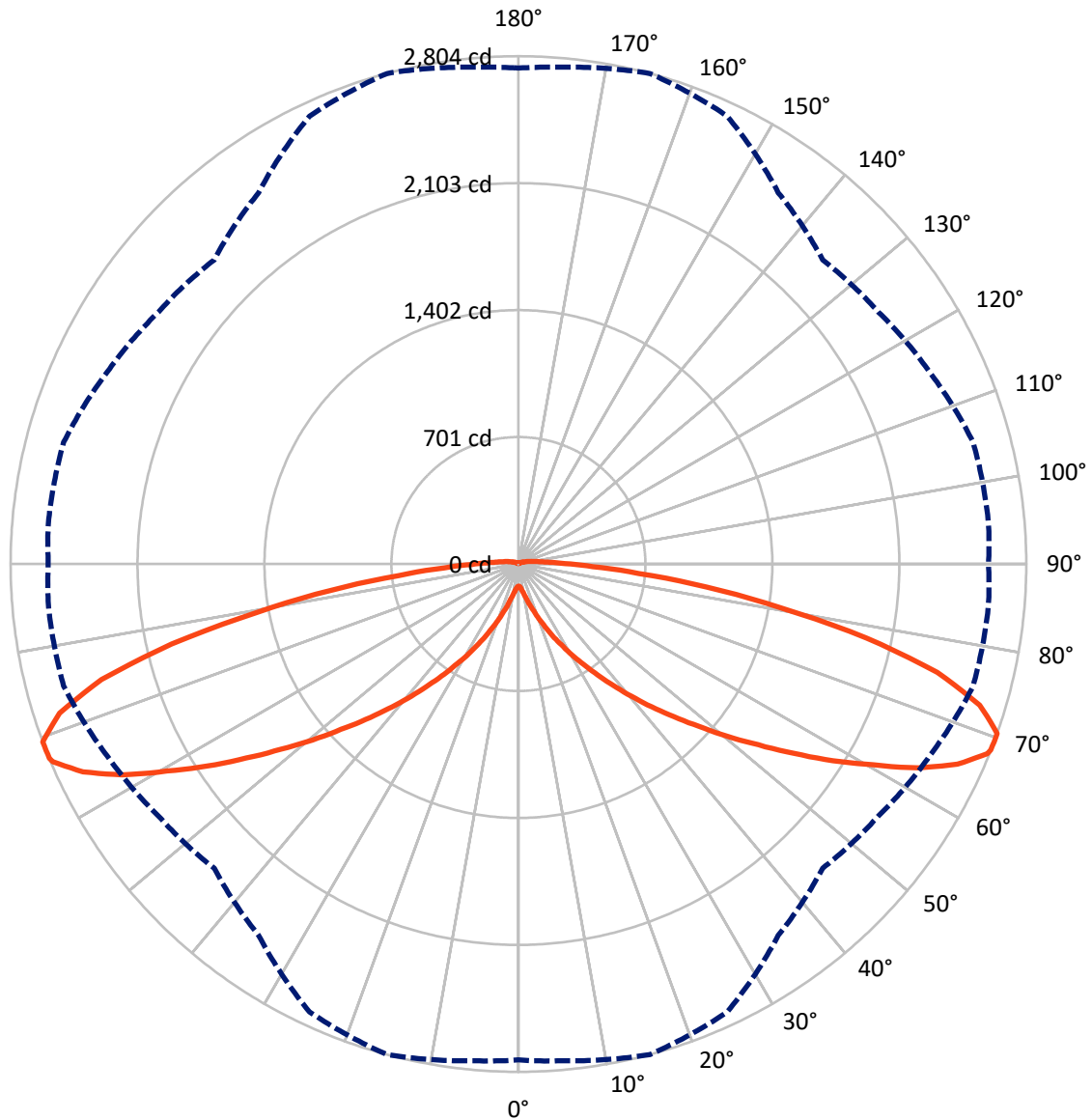


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Short - Non-Cutoff

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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
<b>House Side</b>	Lumens	4382.1	159.9	4542.0
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	4382.1	159.9	4542.0
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	8764.1	319.9	9084.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.6	0.1
10°-20°	65.6	0.7
20°-30°	197.3	2.2
30°-40°	453.6	5.0
40°-50°	872.3	9.6
50°-60°	1542.3	17.0
60°-70°	2390.0	26.3
70°-80°	2319.5	25.5
80°-90°	909.8	10.0
90°-100°	195.8	2.2
100°-110°	66.9	0.7
110°-120°	29.4	0.3
120°-130°	14.8	0.2
130°-140°	8.0	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°	8764.1	96.5
0°-180°	9084.0	100.0



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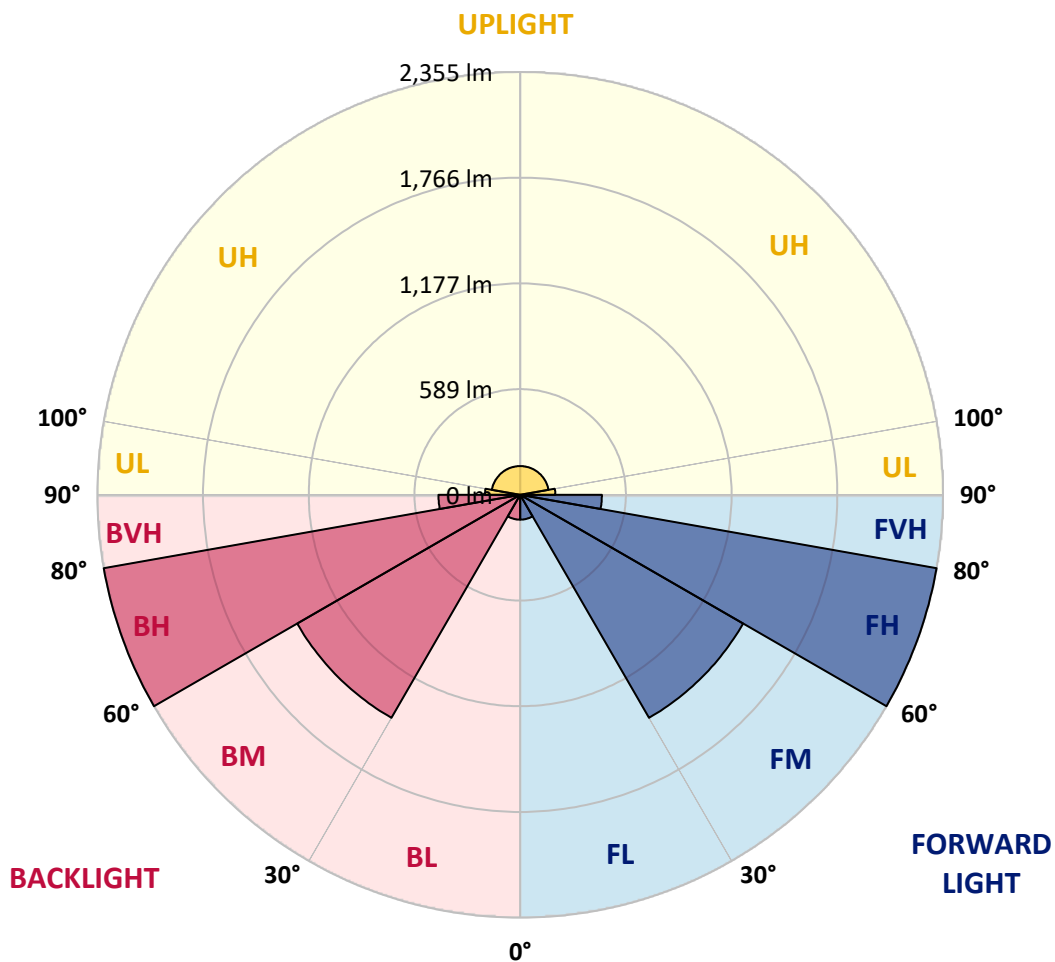
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.3	1.5			
FM	(30°-60°)	1434.1	15.8			
FH	(60°-80°)	2354.8	25.9			G2/5000
FVH	(80°-90°)	454.9	5.0			G3/500
BL	(0°-30°)	138.3	1.5	B1/500		
BM	(30°-60°)	1434.1	15.8	B2/2500		
BH	(60°-80°)	2354.8	25.9	B3/2500		G2/5000
BVH	(80°-90°)	454.9	5.0			G3/500
UL	(90°-100°)	195.8	2.2		U3/500	
UH	(100°-180°)	159.9	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°	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3
2.5°	124.3	124.3	124.3	125.3	125.3	126.3	125.3	124.3	124.3	123.3	123.3
5°	133.2	133.2	133.2	133.2	134.2	134.2	132.2	131.3	130.3	130.3	130.3
7.5°	147.2	147.2	148.2	147.2	147.2	146.2	144.2	142.2	142.2	141.2	141.2
10°	169.0	167.1	167.1	166.1	165.1	163.1	161.1	160.1	158.1	158.1	156.1
12.5°	198.9	197.9	194.9	191.9	187.9	184.9	183.0	182.0	182.0	182.0	184.0
15°	233.7	234.7	232.7	225.7	217.8	211.8	210.8	210.8	212.8	214.8	214.8
17.5°	279.4	277.4	272.5	264.5	254.6	248.6	244.6	247.6	252.6	255.5	257.5
20°	329.1	328.1	321.2	308.2	297.3	289.4	286.4	290.4	299.3	307.3	306.3
22.5°	386.8	385.8	374.9	358.0	343.1	334.1	331.1	339.1	358.0	367.9	369.9
25°	452.4	449.4	439.5	416.6	395.8	381.8	383.8	397.7	422.6	442.5	441.5
27.5°	527.0	523.0	504.1	478.3	450.4	436.5	440.5	463.4	497.2	520.0	523.0
30°	608.5	602.6	582.7	544.9	513.1	493.2	503.1	535.0	577.7	610.5	614.5
32.5°	687.1	694.1	660.2	622.5	578.7	552.9	565.8	609.5	662.2	708.0	712.0
35°	786.5	780.6	751.7	702.0	648.3	621.5	638.4	692.1	751.7	805.4	807.4
37.5°	892.9	887.0	849.2	788.5	725.9	694.1	715.9	773.6	850.2	903.9	915.8
40°	1007.3	995.3	960.5	886.0	809.4	776.6	797.5	870.1	952.6	1011.3	1019.2
42.5°	1119.6	1112.7	1076.9	991.4	903.9	862.1	892.9	964.5	1060.0	1117.7	1127.6
45°	1241.9	1240.9	1202.2	1108.7	1010.3	963.5	995.3	1074.9	1166.4	1233.0	1239.0
47.5°	1371.2	1372.2	1338.4	1244.9	1125.6	1072.9	1103.7	1193.2	1300.6	1360.3	1366.2
50°	1524.3	1518.4	1495.5	1386.1	1260.8	1201.2	1240.9	1334.4	1433.9	1497.5	1503.5
52.5°	1685.4	1685.4	1658.6	1558.1	1412.0	1350.3	1384.1	1479.6	1591.0	1648.6	1660.6
55°	1864.4	1856.5	1845.5	1736.1	1587.0	1515.4	1549.2	1657.6	1760.0	1809.7	1810.7
57.5°	2058.3	2050.4	2048.4	1949.9	1779.9	1686.4	1725.2	1827.6	1944.0	1976.8	1986.7
60°	2246.2	2260.2	2252.2	2165.7	1973.8	1868.4	1912.1	2019.5	2131.9	2161.7	2171.7
62.5°	2451.1	2458.0	2479.9	2374.5	2167.7	2055.3	2099.1	2194.5	2308.9	2333.7	2337.7
65°	2628.1	2635.0	2663.9	2564.4	2329.8	2211.4	2261.2	2361.6	2475.9	2497.8	2484.9
67.5°	2733.5	2749.4	2793.1	2698.7	2457.0	2326.8	2377.5	2472.0	2571.4	2591.3	2574.4
68°	2749.4	2762.3	2803.1	2717.6	2473.0	2340.7	2394.4	2487.9	2589.3	2605.2	2592.3
70°	2738.4	2753.4	2804.1	2728.5	2501.8	2375.5	2426.2	2505.8	2599.2	2605.2	2596.2
72.5°	2587.3	2614.1	2663.9	2637.0	2453.1	2338.7	2381.5	2430.2	2494.8	2493.8	2482.9
75°	2297.9	2286.0	2388.4	2401.4	2280.0	2214.4	2235.3	2236.3	2249.2	2231.3	2195.5
77.5°	1837.6	1865.4	1964.8	2051.3	2010.6	1984.7	1988.7	1930.0	1904.2	1827.6	1803.8
80°	1340.4	1362.3	1468.7	1599.9	1658.6	1688.4	1654.6	1544.2	1453.7	1375.2	1348.3
82.5°	914.8	922.8	1048.0	1174.3	1291.7	1327.5	1297.6	1147.5	1022.2	938.7	901.9
85°	562.8	575.7	665.2	790.5	928.7	1010.3	940.7	790.5	664.2	598.6	583.7
87.5°	331.1	351.0	410.7	505.1	637.4	707.0	652.3	522.0	420.6	372.9	355.0
90°	206.8	218.8	256.5	325.2	427.6	478.3	441.5	339.1	271.5	230.7	217.8
92.5°	144.2	148.2	174.0	217.8	291.3	326.1	295.3	232.7	185.9	155.1	150.1
95°	107.4	110.4	126.3	154.1	200.9	227.7	206.8	164.1	132.2	111.4	108.4
97.5°	84.5	86.5	99.4	117.3	147.2	166.1	153.1	125.3	102.4	85.5	82.5
100°	65.6	67.6	79.5	93.5	115.3	125.3	117.3	98.4	80.5	65.6	63.6
102.5°	51.7	52.7	63.6	76.6	92.5	99.4	93.5	79.5	63.6	50.7	49.7
105°	40.8	41.8	51.7	63.6	76.6	81.5	77.6	65.6	50.7	38.8	37.8
107.5°	31.8	32.8	40.8	52.7	63.6	67.6	63.6	53.7	39.8	30.8	29.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	25.9	25.9	33.8	43.8	53.7	56.7	53.7	43.8	31.8	24.9	23.9
112.5°	21.9	21.9	27.8	36.8	44.7	48.7	44.7	35.8	25.9	19.9	19.9
115°	17.9	18.9	22.9	30.8	37.8	40.8	37.8	29.8	21.9	16.9	16.9
117.5°	15.9	16.9	19.9	25.9	32.8	34.8	31.8	24.9	17.9	14.9	14.9
120°	14.9	14.9	16.9	21.9	27.8	29.8	26.8	21.9	15.9	13.9	13.9
122.5°	13.9	13.9	14.9	18.9	23.9	25.9	22.9	17.9	13.9	12.9	11.9
125°	12.9	12.9	13.9	16.9	20.9	21.9	19.9	15.9	11.9	10.9	10.9
127.5°	11.9	11.9	12.9	14.9	17.9	18.9	17.9	13.9	10.9	10.9	10.9
130°	10.9	10.9	11.9	12.9	15.9	16.9	14.9	11.9	9.9	9.9	9.9
132.5°	9.9	9.9	9.9	11.9	13.9	13.9	12.9	10.9	9.9	8.9	8.9
135°	9.9	9.9	9.9	9.9	11.9	12.9	10.9	9.9	8.9	8.9	8.9
137.5°	8.9	8.9	8.9	8.9	9.9	10.9	9.9	8.9	8.0	8.0	8.0
140°	8.0	8.0	8.0	8.0	8.9	8.9	8.9	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)