

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: P414036

Luminaire Tested: **LXF.LXT-PA1-100-830-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414036  
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-PA1-100-830-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 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: 7926 lumens  
Efficiency: N/A  
Efficacy: 82.6 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

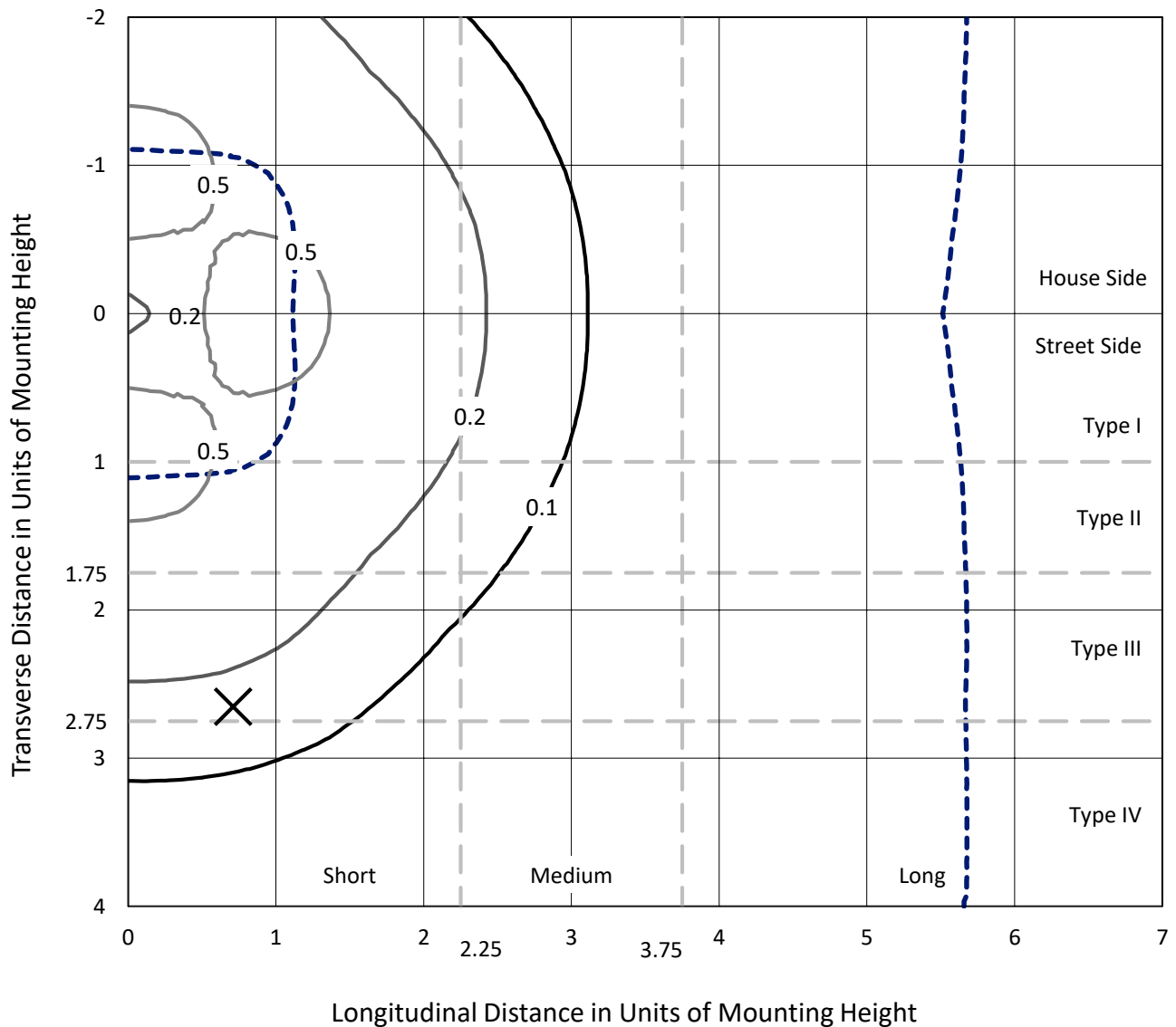
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

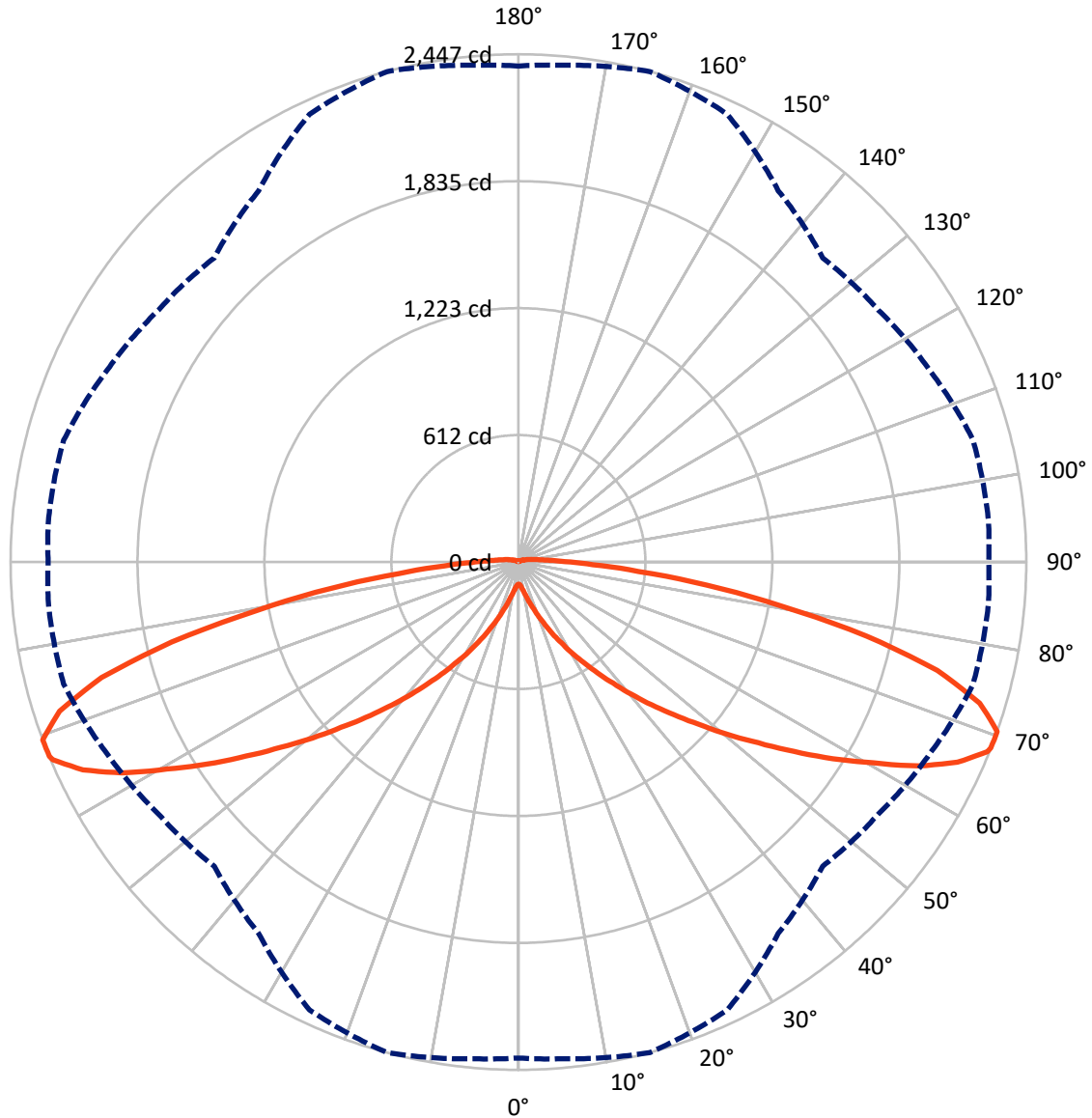
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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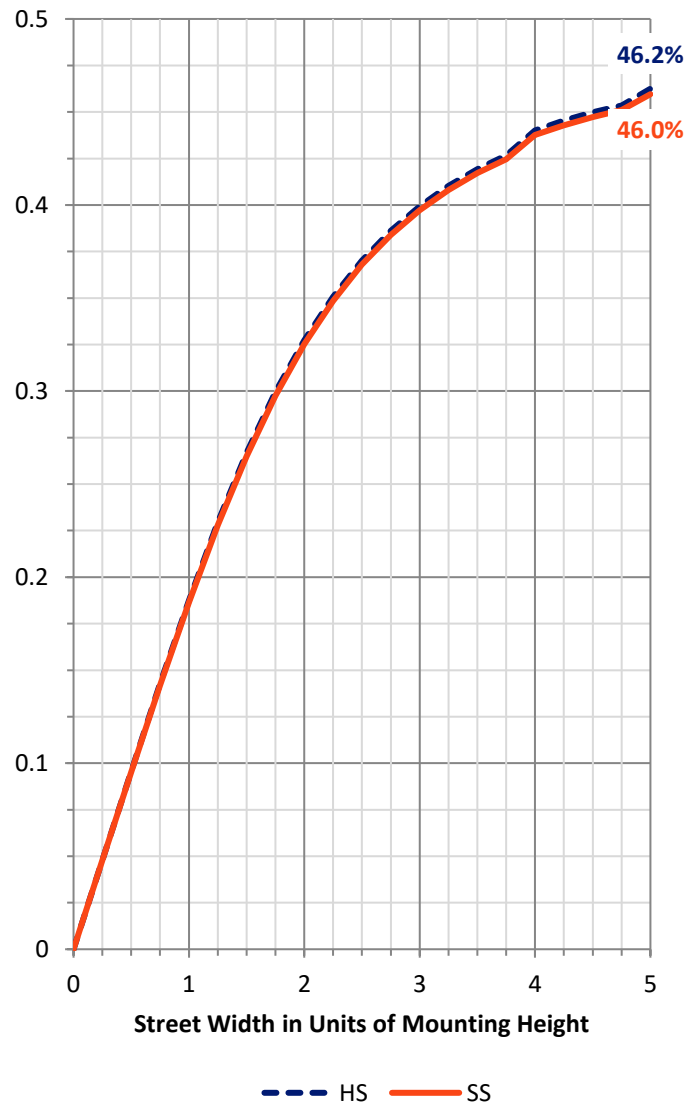
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3823.4	139.6	3963.0
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	3823.4	139.6	3963.0
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	7646.9	279.1	7926.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.9	0.1
10°-20°	57.2	0.7
20°-30°	172.2	2.2
30°-40°	395.8	5.0
40°-50°	761.1	9.6
50°-60°	1345.7	17.0
60°-70°	2085.4	26.3
70°-80°	2023.9	25.5
80°-90°	793.8	10.0
90°-100°	170.8	2.2
100°-110°	58.4	0.7
110°-120°	25.7	0.3
120°-130°	12.9	0.2
130°-140°	7.0	0.1
140°-150°	3.3	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7646.9	96.5
0°-180°	7926.0	100.0

**Coefficient of Utilization**



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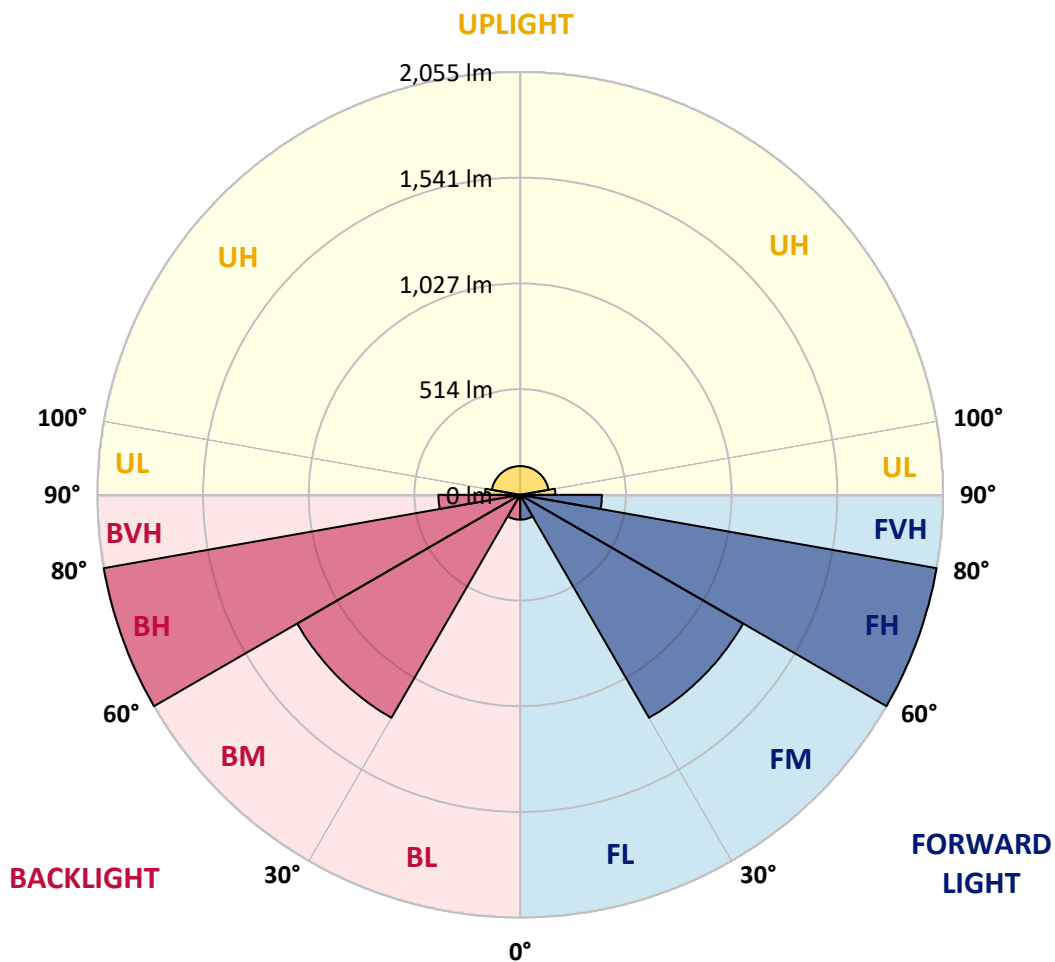
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.6	1.5			
FM (30°-60°)	1251.3	15.8			
FH (60°-80°)	2054.6	25.9			G2/5000
FVH (80°-90°)	396.9	5.0			G3/500
BL (0°-30°)	120.6	1.5	B1/500		
BM (30°-60°)	1251.3	15.8	B2/2500		
BH (60°-80°)	2054.6	25.9	B3/2500		G2/5000
BVH (80°-90°)	396.9	5.0			G3/500
UL (90°-100°)	170.8	2.2		U3/500	
UH (100°-180°)	139.6	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°	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7
2.5°	108.4	108.4	108.4	109.3	109.3	110.2	109.3	108.4	108.4	107.6	107.6
5°	116.3	116.3	116.3	116.3	117.1	117.1	115.4	114.5	113.7	113.7	113.7
7.5°	128.4	128.4	129.3	128.4	128.4	127.5	125.8	124.1	124.1	123.2	123.2
10°	147.5	145.8	145.8	144.9	144.0	142.3	140.6	139.7	137.9	137.9	136.2
12.5°	173.5	172.7	170.0	167.4	164.0	161.4	159.6	158.8	158.8	158.8	160.5
15°	203.9	204.8	203.0	196.9	190.0	184.8	183.9	183.9	185.7	187.4	187.4
17.5°	243.8	242.1	237.7	230.8	222.1	216.9	213.4	216.0	220.4	223.0	224.7
20°	287.2	286.3	280.2	269.0	259.4	252.5	249.9	253.3	261.1	268.1	267.2
22.5°	337.5	336.6	327.1	312.3	299.3	291.5	288.9	295.8	312.3	321.0	322.7
25°	394.8	392.2	383.5	363.5	345.3	333.2	334.9	347.0	368.7	386.1	385.2
27.5°	459.8	456.4	439.9	417.3	393.0	380.9	384.3	404.3	433.8	453.8	456.4
30°	531.0	525.8	508.4	475.4	447.7	430.3	439.0	466.8	504.1	532.7	536.2
32.5°	599.5	605.6	576.1	543.1	504.9	482.4	493.7	531.8	577.8	617.7	621.2
35°	686.3	681.1	655.9	612.5	565.7	542.2	557.0	603.8	655.9	702.8	704.5
37.5°	779.1	773.9	740.9	688.0	633.3	605.6	624.7	675.0	741.8	788.6	799.1
40°	878.9	868.5	838.1	773.0	706.2	677.6	695.8	759.1	831.2	882.3	889.3
42.5°	976.9	970.8	939.6	865.0	788.6	752.2	779.1	841.6	924.9	975.2	983.9
45°	1083.6	1082.8	1048.9	967.4	881.5	840.7	868.5	937.9	1017.7	1075.8	1081.0
47.5°	1196.4	1197.3	1167.8	1086.2	982.1	936.1	963.0	1041.1	1134.8	1186.9	1192.1
50°	1330.0	1324.8	1304.9	1209.4	1100.1	1048.1	1082.8	1164.3	1251.1	1306.6	1311.8
52.5°	1470.6	1470.6	1447.1	1359.5	1232.0	1178.2	1207.7	1291.0	1388.2	1438.5	1448.9
55°	1626.7	1619.8	1610.3	1514.8	1384.7	1322.2	1351.7	1446.3	1535.6	1579.0	1579.9
57.5°	1795.9	1789.0	1787.2	1701.4	1553.0	1471.4	1505.3	1594.6	1696.1	1724.8	1733.5
60°	1959.9	1972.0	1965.1	1889.6	1722.2	1630.2	1668.4	1762.1	1860.1	1886.1	1894.8
62.5°	2138.6	2144.7	2163.8	2071.8	1891.4	1793.3	1831.5	1914.8	2014.6	2036.2	2039.7
65°	2293.1	2299.1	2324.3	2237.5	2032.8	1929.5	1972.9	2060.5	2160.3	2179.4	2168.1
67.5°	2385.0	2398.9	2437.1	2354.6	2143.8	2030.2	2074.4	2156.8	2243.6	2260.9	2246.2
68°	2398.9	2410.2	2445.7	2371.1	2157.7	2042.3	2089.2	2170.7	2259.2	2273.1	2261.8
70°	2389.4	2402.4	2446.6	2380.7	2182.9	2072.7	2116.9	2186.3	2267.9	2273.1	2265.3
72.5°	2257.5	2280.9	2324.3	2300.9	2140.4	2040.6	2077.9	2120.4	2176.8	2175.9	2166.4
75°	2005.0	1994.6	2084.0	2095.2	1989.4	1932.1	1950.4	1951.2	1962.5	1946.9	1915.6
77.5°	1603.3	1627.6	1714.4	1789.8	1754.3	1731.7	1735.2	1684.0	1661.4	1594.6	1573.8
80°	1169.5	1188.6	1281.4	1396.0	1447.1	1473.2	1443.7	1347.4	1268.4	1199.9	1176.5
82.5°	798.2	805.1	914.4	1024.6	1127.0	1158.2	1132.2	1001.2	891.9	819.0	786.9
85°	491.1	502.3	580.4	689.7	810.3	881.5	820.7	689.7	579.6	522.3	509.3
87.5°	288.9	306.3	358.3	440.7	556.1	616.9	569.1	455.5	367.0	325.3	309.7
90°	180.5	190.9	223.8	283.7	373.1	417.3	385.2	295.8	236.9	201.3	190.0
92.5°	125.8	129.3	151.8	190.0	254.2	284.6	257.7	203.0	162.2	135.3	131.0
95°	93.7	96.3	110.2	134.5	175.3	198.7	180.5	143.2	115.4	97.2	94.6
97.5°	73.7	75.5	86.8	102.4	128.4	144.9	133.6	109.3	89.4	74.6	72.0
100°	57.3	59.0	69.4	81.6	100.6	109.3	102.4	85.9	70.3	57.3	55.5
102.5°	45.1	46.0	55.5	66.8	80.7	86.8	81.6	69.4	55.5	44.2	43.4
105°	35.6	36.4	45.1	55.5	66.8	71.1	67.7	57.3	44.2	33.8	33.0
107.5°	27.8	28.6	35.6	46.0	55.5	59.0	55.5	46.9	34.7	26.9	26.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	22.6	22.6	29.5	38.2	46.9	49.5	46.9	38.2	27.8	21.7	20.8
112.5°	19.1	19.1	24.3	32.1	39.0	42.5	39.0	31.2	22.6	17.4	17.4
115°	15.6	16.5	20.0	26.9	33.0	35.6	33.0	26.0	19.1	14.7	14.7
117.5°	13.9	14.7	17.4	22.6	28.6	30.4	27.8	21.7	15.6	13.0	13.0
120°	13.0	13.0	14.7	19.1	24.3	26.0	23.4	19.1	13.9	12.1	12.1
122.5°	12.1	12.1	13.0	16.5	20.8	22.6	20.0	15.6	12.1	11.3	10.4
125°	11.3	11.3	12.1	14.7	18.2	19.1	17.4	13.9	10.4	9.5	9.5
127.5°	10.4	10.4	11.3	13.0	15.6	16.5	15.6	12.1	9.5	9.5	9.5
130°	9.5	9.5	10.4	11.3	13.9	14.7	13.0	10.4	8.7	8.7	8.7
132.5°	8.7	8.7	8.7	10.4	12.1	12.1	11.3	9.5	8.7	7.8	7.8
135°	8.7	8.7	8.7	8.7	10.4	11.3	9.5	8.7	7.8	7.8	7.8
137.5°	7.8	7.8	7.8	7.8	8.7	9.5	8.7	7.8	6.9	6.9	6.9
140°	6.9	6.9	6.9	6.9	7.8	7.8	7.8	6.1	6.1	6.1	6.1
142.5°	6.1	6.1	6.1	6.1	6.1	6.9	6.1	5.2	5.2	5.2	5.2
145°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
152.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
155°	1.7	1.7	1.7	1.7	2.6	1.7	2.6	1.7	1.7	1.7	1.7
157.5°	0.9	0.9	1.7	1.7	1.7	2.6	1.7	1.7	0.9	0.9	0.9
160°	0.0	0.9	0.9	0.9	1.7	1.7	1.7	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)