

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: P416688

Luminaire Tested: **LXF.LXT-PA1-80-730-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416688  
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-PA1-80-730-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 8320 lumens  
Efficiency: N/A  
Efficacy: 100.2 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<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

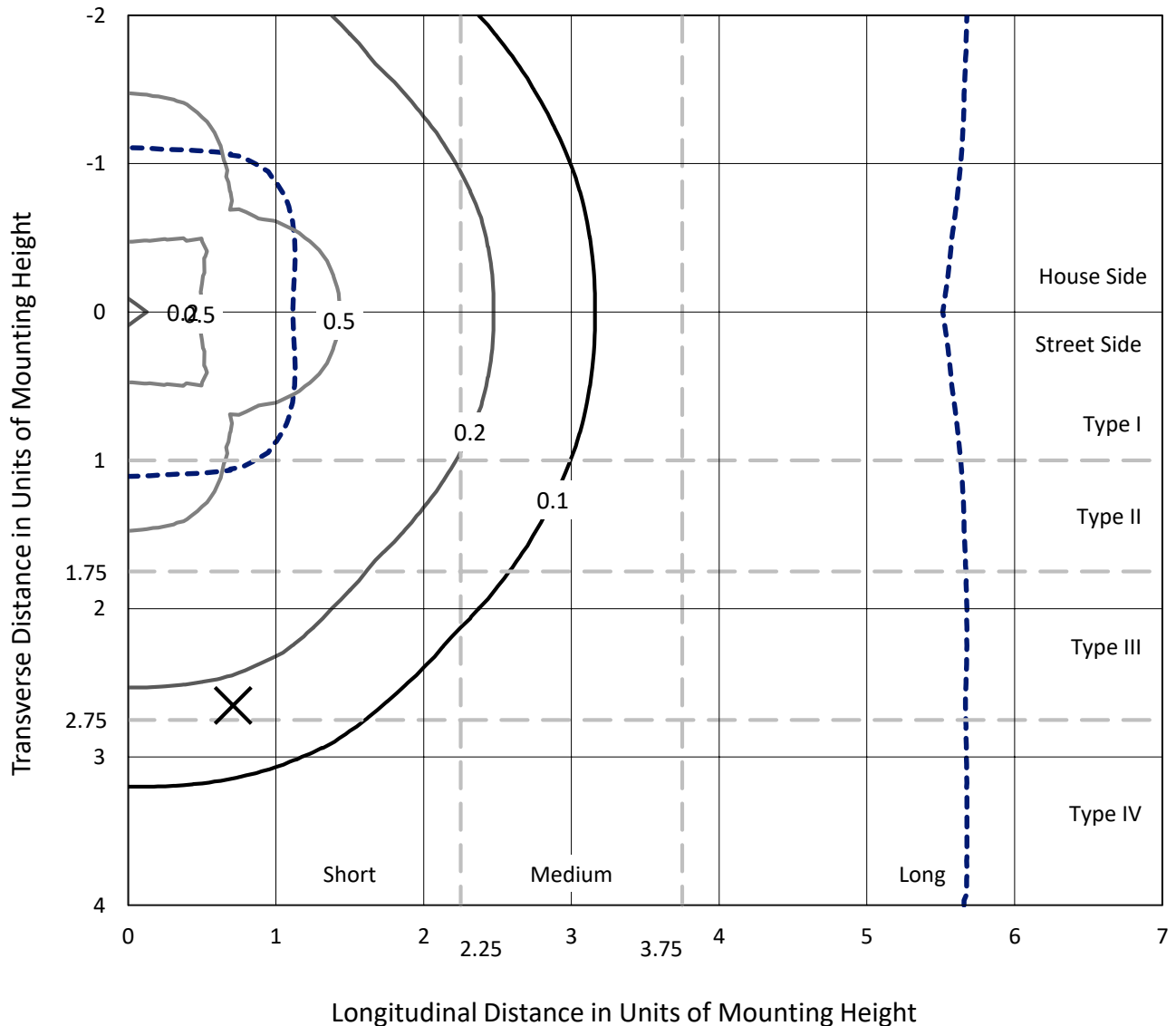


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### Iso-Footcandle Lines of Horizontal Illumination

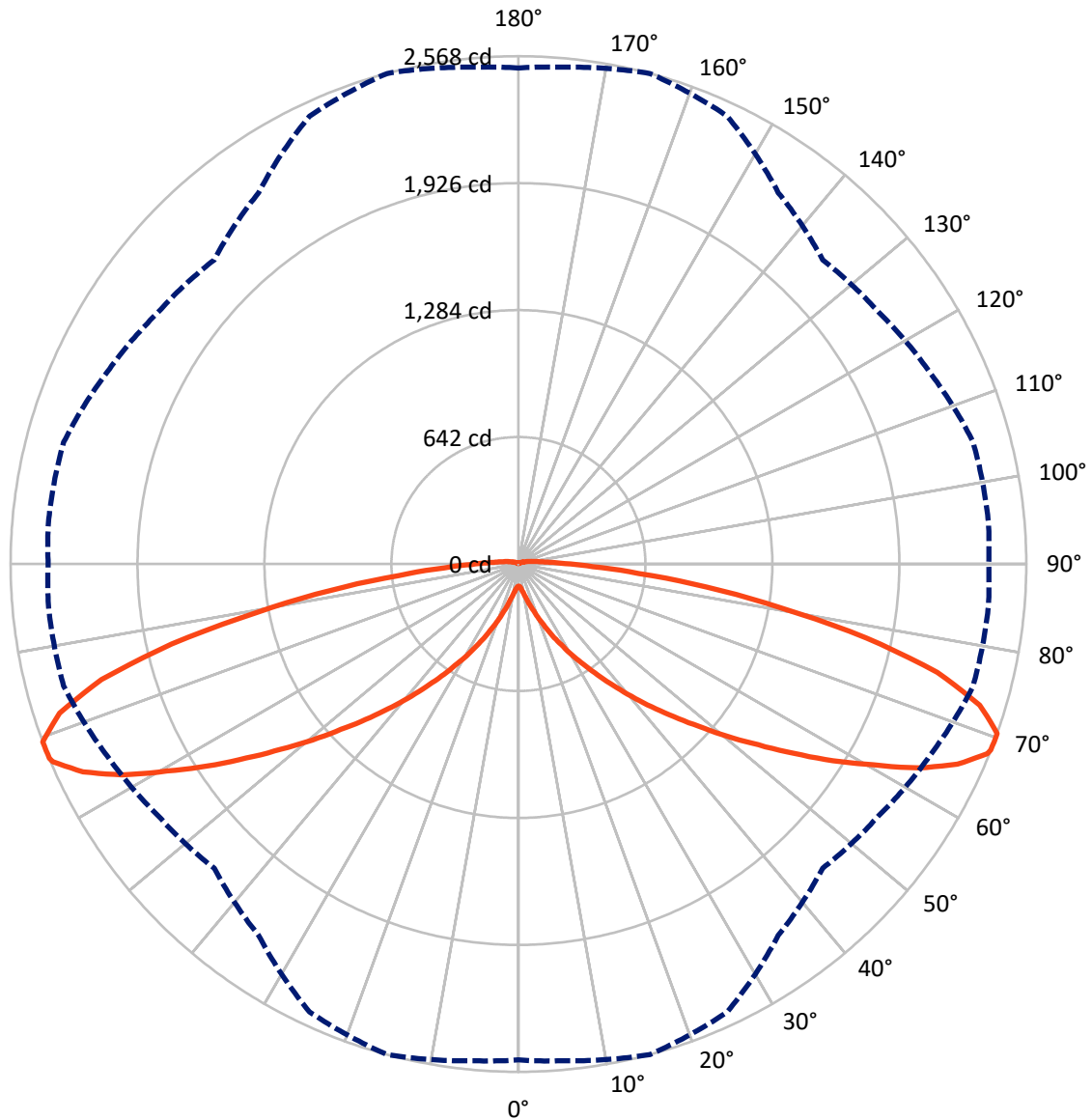
× Max cd  
 - - - 1/2 Max cd



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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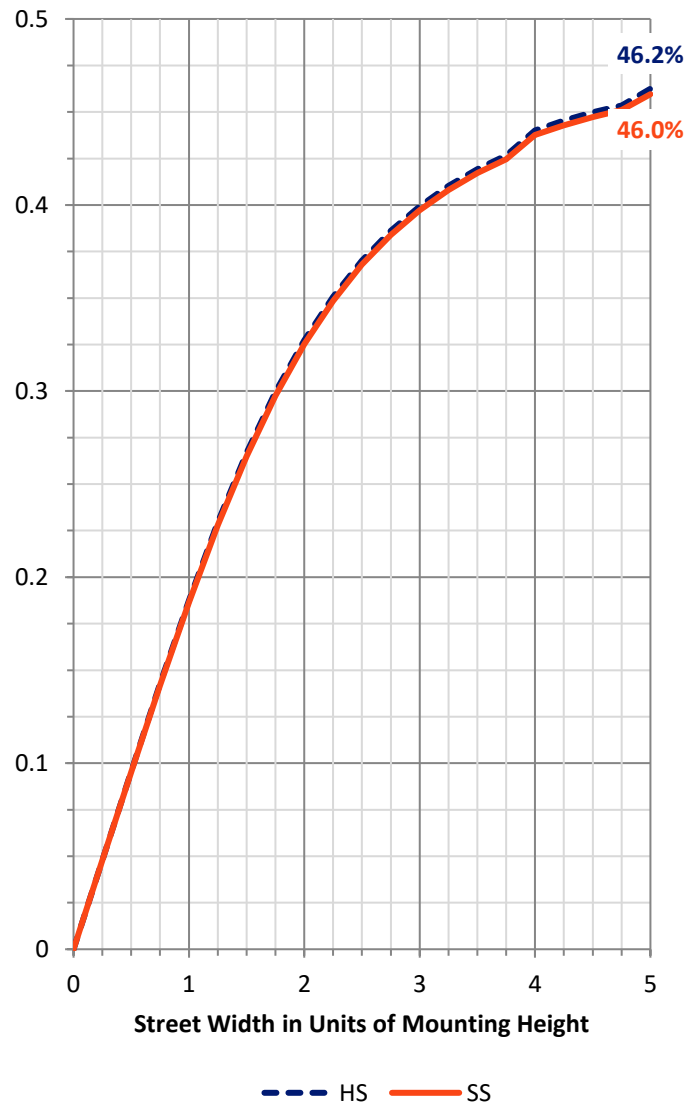
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4013.5	146.5	4160.0
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	4013.5	146.5	4160.0
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	8027.0	293.0	8320.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.5	0.1
10°-20°	60.1	0.7
20°-30°	180.7	2.2
30°-40°	415.5	5.0
40°-50°	798.9	9.6
50°-60°	1412.5	17.0
60°-70°	2189.0	26.3
70°-80°	2124.5	25.5
80°-90°	833.3	10.0
90°-100°	179.3	2.2
100°-110°	61.3	0.7
110°-120°	26.9	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°	8027.0	96.5
0°-180°	8320.0	100.0



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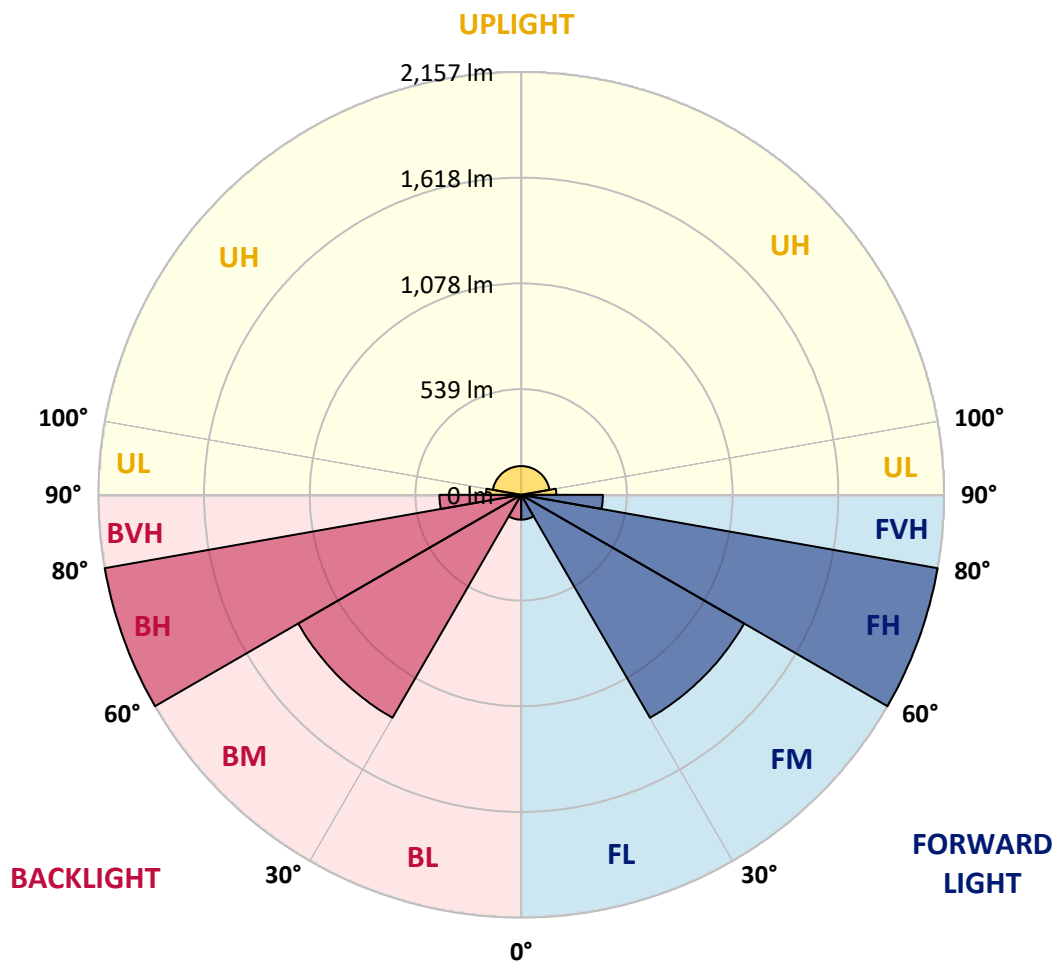
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.6	1.5			
FM (30°-60°)	1313.5	15.8			
FH (60°-80°)	2156.7	25.9			G2/5000
FVH (80°-90°)	416.7	5.0			G3/500
BL (0°-30°)	126.6	1.5	B1/500		
BM (30°-60°)	1313.5	15.8	B2/2500		
BH (60°-80°)	2156.7	25.9	B3/2500		G2/5000
BVH (80°-90°)	416.7	5.0			G3/500
UL (90°-100°)	179.3	2.2		U3/500	
UH (100°-180°)	146.5	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°	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
2.5°	113.8	113.8	113.8	114.8	114.8	115.7	114.8	113.8	113.8	112.9	112.9
5°	122.0	122.0	122.0	122.0	122.9	122.9	121.1	120.2	119.3	119.3	119.3
7.5°	134.8	134.8	135.7	134.8	134.8	133.9	132.1	130.2	130.2	129.3	129.3
10°	154.8	153.0	153.0	152.1	151.2	149.4	147.5	146.6	144.8	144.8	143.0
12.5°	182.1	181.2	178.5	175.8	172.1	169.4	167.6	166.7	166.7	166.7	168.5
15°	214.0	214.9	213.1	206.7	199.4	194.0	193.1	193.1	194.9	196.7	196.7
17.5°	255.9	254.1	249.5	242.3	233.1	227.7	224.0	226.8	231.3	234.1	235.9
20°	301.4	300.5	294.2	282.3	272.3	265.0	262.3	265.9	274.1	281.4	280.5
22.5°	354.3	353.4	343.3	327.9	314.2	306.0	303.3	310.6	327.9	337.0	338.8
25°	414.4	411.6	402.5	381.6	362.5	349.7	351.5	364.3	387.1	405.3	404.4
27.5°	482.7	479.0	461.7	438.1	412.6	399.8	403.4	424.4	455.4	476.3	479.0
30°	557.4	551.9	533.7	499.1	469.9	451.7	460.8	490.0	529.1	559.2	562.8
32.5°	629.3	635.7	604.7	570.1	530.0	506.4	518.2	558.3	606.5	648.4	652.1
35°	720.4	714.9	688.5	643.0	593.8	569.2	584.7	633.9	688.5	737.7	739.5
37.5°	817.8	812.4	777.8	722.2	664.8	635.7	655.7	708.5	778.7	827.8	838.8
40°	922.6	911.6	879.8	811.5	741.3	711.3	730.4	796.9	872.5	926.2	933.5
42.5°	1025.5	1019.1	986.3	908.0	827.8	789.6	817.8	883.4	970.8	1023.7	1032.8
45°	1137.5	1136.6	1101.1	1015.5	925.3	882.5	911.6	984.5	1068.3	1129.3	1134.8
47.5°	1255.9	1256.8	1225.8	1140.2	1030.9	982.7	1010.9	1092.9	1191.2	1245.9	1251.3
50°	1396.1	1390.7	1369.7	1269.5	1154.8	1100.2	1136.6	1222.2	1313.3	1371.5	1377.0
52.5°	1543.7	1543.7	1519.1	1427.1	1293.2	1236.8	1267.7	1355.2	1457.2	1510.0	1520.9
55°	1707.6	1700.3	1690.3	1590.1	1453.5	1387.9	1418.9	1518.2	1612.0	1657.5	1658.4
57.5°	1885.2	1877.9	1876.1	1785.9	1630.2	1544.6	1580.1	1673.9	1780.5	1810.5	1819.6
60°	2057.3	2070.1	2062.8	1983.6	1807.8	1711.2	1751.3	1849.7	1952.6	1979.9	1989.0
62.5°	2244.9	2251.3	2271.3	2174.8	1985.4	1882.5	1922.5	2010.0	2114.7	2137.5	2141.1
65°	2407.0	2413.4	2439.8	2348.8	2133.8	2025.4	2071.0	2163.0	2267.7	2287.7	2275.9
67.5°	2503.6	2518.1	2558.2	2471.7	2250.4	2131.1	2177.5	2264.1	2355.1	2373.3	2357.9
68°	2518.1	2530.0	2567.3	2489.0	2265.0	2143.8	2193.0	2278.6	2371.5	2386.1	2374.3
70°	2508.1	2521.8	2568.2	2499.0	2291.4	2175.7	2222.2	2295.0	2380.6	2386.1	2377.9
72.5°	2369.7	2394.3	2439.8	2415.2	2246.8	2142.0	2181.2	2225.8	2285.0	2284.1	2274.1
75°	2104.7	2093.7	2187.6	2199.4	2088.3	2028.2	2047.3	2048.2	2060.1	2043.7	2010.9
77.5°	1683.0	1708.5	1799.6	1878.8	1841.5	1817.8	1821.4	1767.7	1744.0	1673.9	1652.0
80°	1227.7	1247.7	1345.1	1465.4	1519.1	1546.4	1515.4	1414.4	1331.5	1259.5	1234.9
82.5°	837.9	845.1	959.9	1075.6	1183.0	1215.8	1188.5	1051.0	936.2	859.7	826.0
85°	515.5	527.3	609.3	724.0	850.6	925.3	861.5	724.0	608.4	548.3	534.6
87.5°	303.3	321.5	376.1	462.6	583.8	647.5	597.4	478.1	385.2	341.5	325.1
90°	189.4	200.4	235.0	297.8	391.6	438.1	404.4	310.6	248.6	211.3	199.4
92.5°	132.1	135.7	159.4	199.4	266.8	298.7	270.5	213.1	170.3	142.1	137.5
95°	98.4	101.1	115.7	141.2	184.0	208.6	189.4	150.3	121.1	102.0	99.3
97.5°	77.4	79.2	91.1	107.5	134.8	152.1	140.3	114.8	93.8	78.3	75.6
100°	60.1	61.9	72.9	85.6	105.6	114.8	107.5	90.2	73.8	60.1	58.3
102.5°	47.4	48.3	58.3	70.1	84.7	91.1	85.6	72.9	58.3	46.4	45.5
105°	37.3	38.3	47.4	58.3	70.1	74.7	71.0	60.1	46.4	35.5	34.6
107.5°	29.1	30.1	37.3	48.3	58.3	61.9	58.3	49.2	36.4	28.2	27.3



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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	40.1	49.2	51.9	49.2	40.1	29.1	22.8	21.9
112.5°	20.0	20.0	25.5	33.7	41.0	44.6	41.0	32.8	23.7	18.2	18.2
115°	16.4	17.3	20.9	28.2	34.6	37.3	34.6	27.3	20.0	15.5	15.5
117.5°	14.6	15.5	18.2	23.7	30.1	31.9	29.1	22.8	16.4	13.7	13.7
120°	13.7	13.7	15.5	20.0	25.5	27.3	24.6	20.0	14.6	12.8	12.8
122.5°	12.8	12.8	13.7	17.3	21.9	23.7	20.9	16.4	12.8	11.8	10.9
125°	11.8	11.8	12.8	15.5	19.1	20.0	18.2	14.6	10.9	10.0	10.0
127.5°	10.9	10.9	11.8	13.7	16.4	17.3	16.4	12.8	10.0	10.0	10.0
130°	10.0	10.0	10.9	11.8	14.6	15.5	13.7	10.9	9.1	9.1	9.1
132.5°	9.1	9.1	9.1	10.9	12.8	12.8	11.8	10.0	9.1	8.2	8.2
135°	9.1	9.1	9.1	9.1	10.9	11.8	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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
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)