

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: P413880

Luminaire Tested: **LXF.LXT-PA1-100-750-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413880  
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-PA1-100-750-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 9974 lumens  
Efficiency: N/A  
Efficacy: 103.9 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: B4 - 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

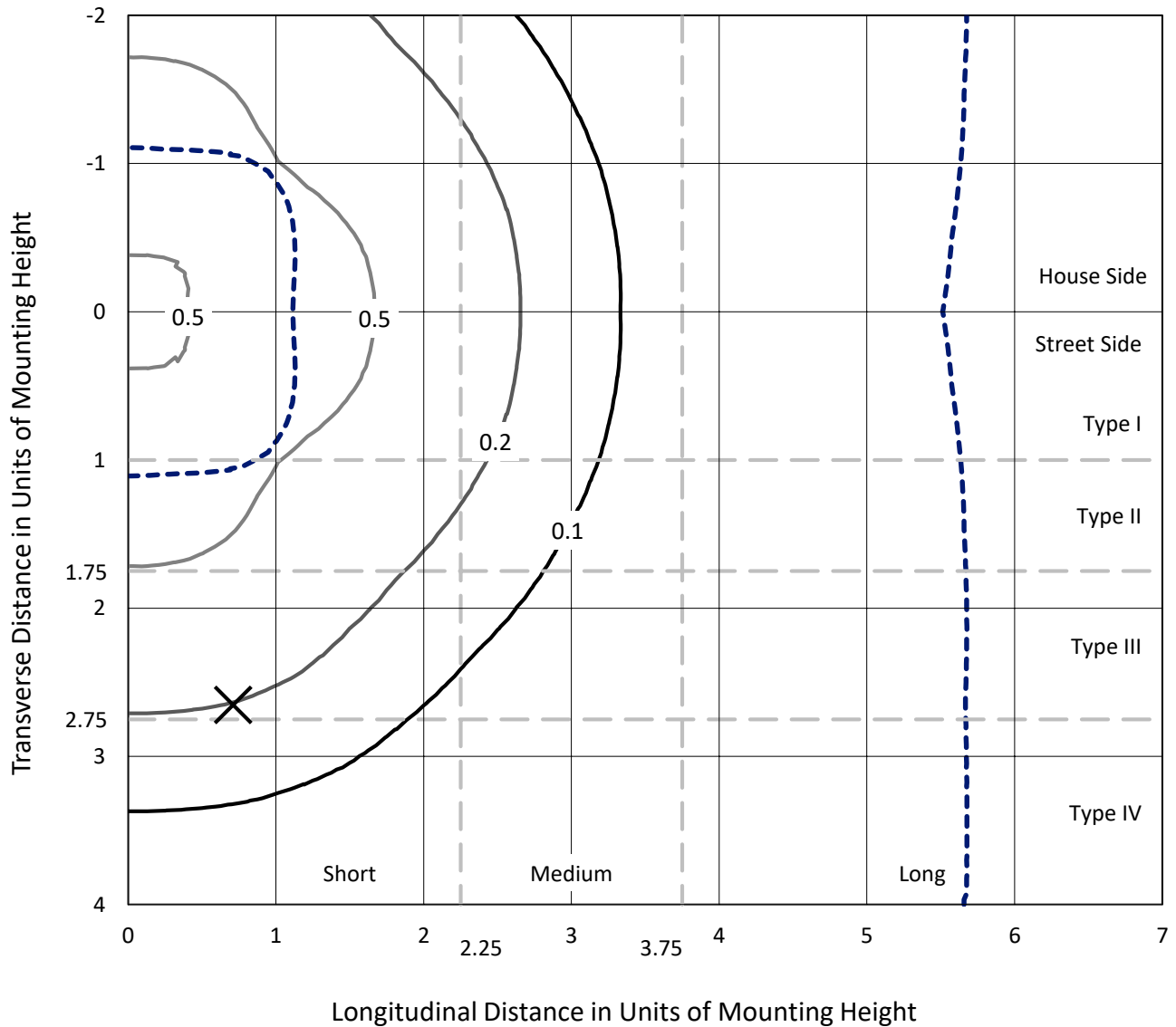


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### Iso-Footcandle Lines of Horizontal Illumination

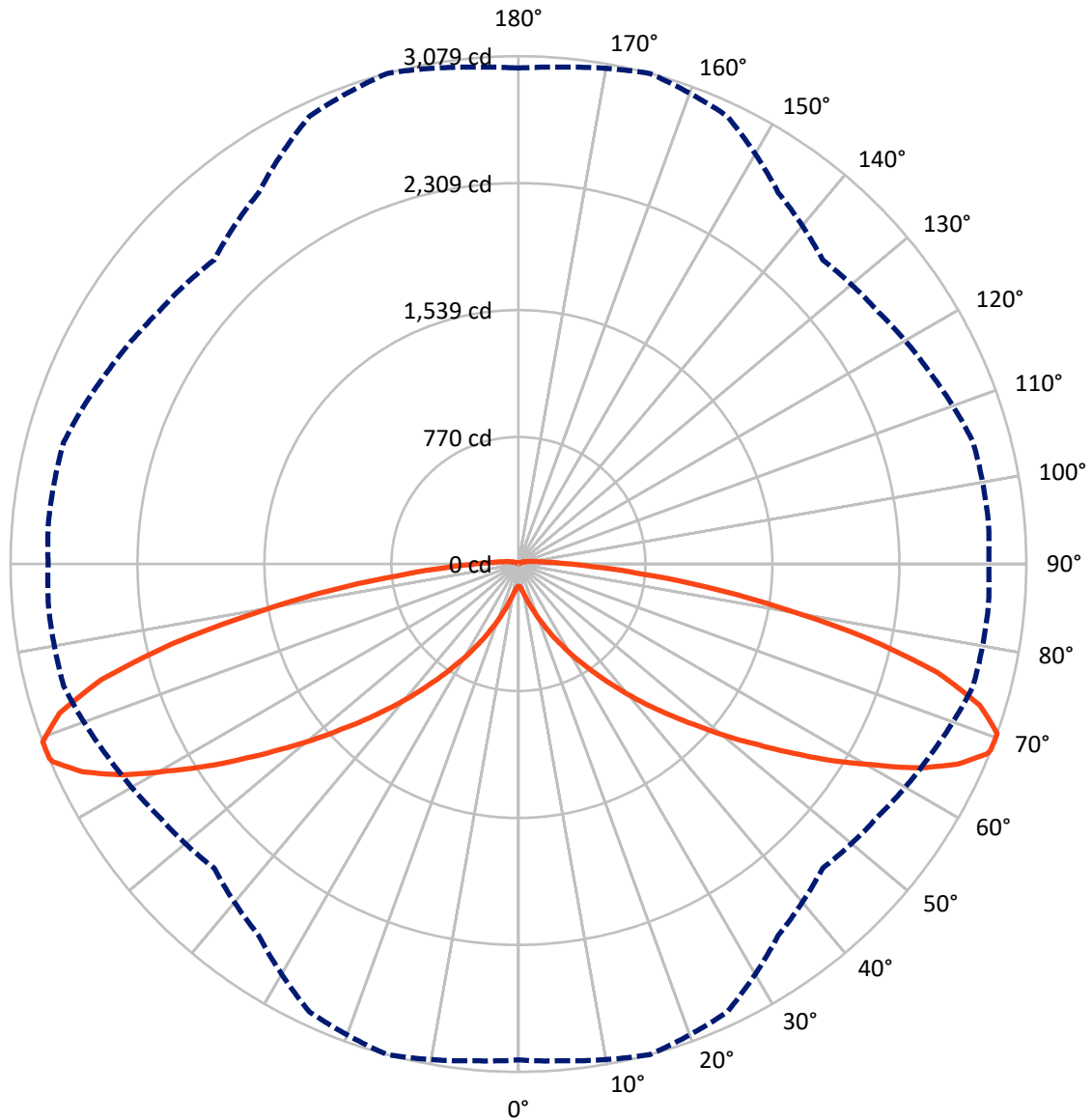
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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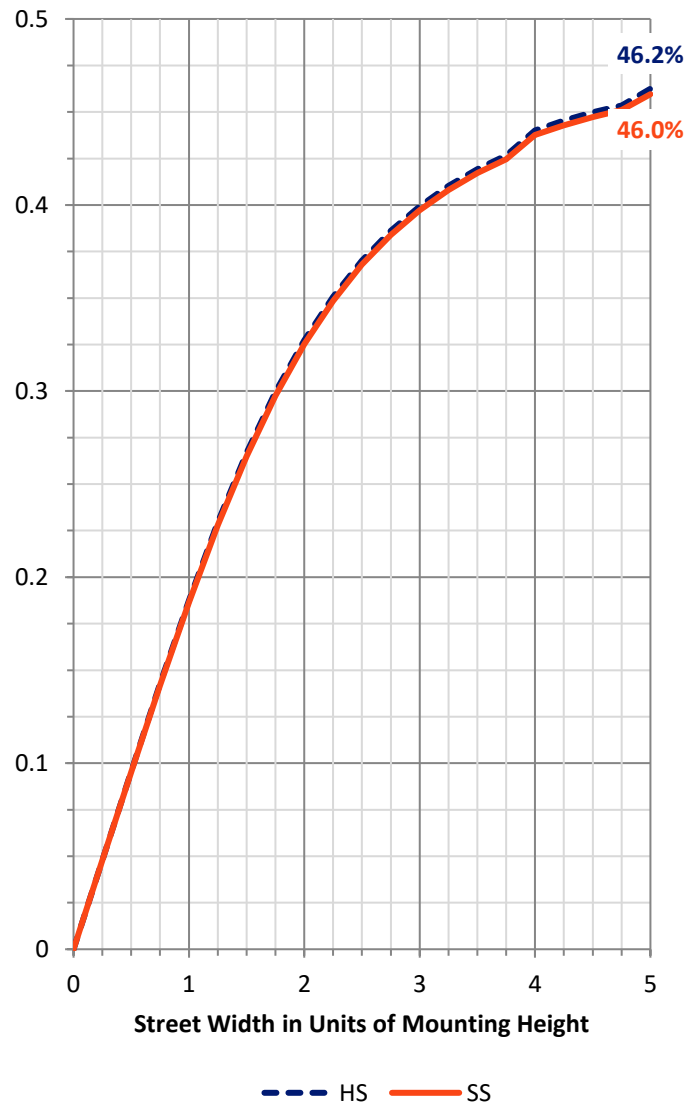
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4811.4	175.6	4987.0
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	4811.4	175.6	4987.0
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	9622.7	351.3	9974.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.9	0.1
10°-20°	72.0	0.7
20°-30°	216.6	2.2
30°-40°	498.1	5.0
40°-50°	957.7	9.6
50°-60°	1693.4	17.0
60°-70°	2624.2	26.3
70°-80°	2546.8	25.5
80°-90°	999.0	10.0
90°-100°	215.0	2.2
100°-110°	73.4	0.7
110°-120°	32.3	0.3
120°-130°	16.3	0.2
130°-140°	8.8	0.1
140°-150°	4.1	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9622.7	96.5
0°-180°	9974.0	100.0



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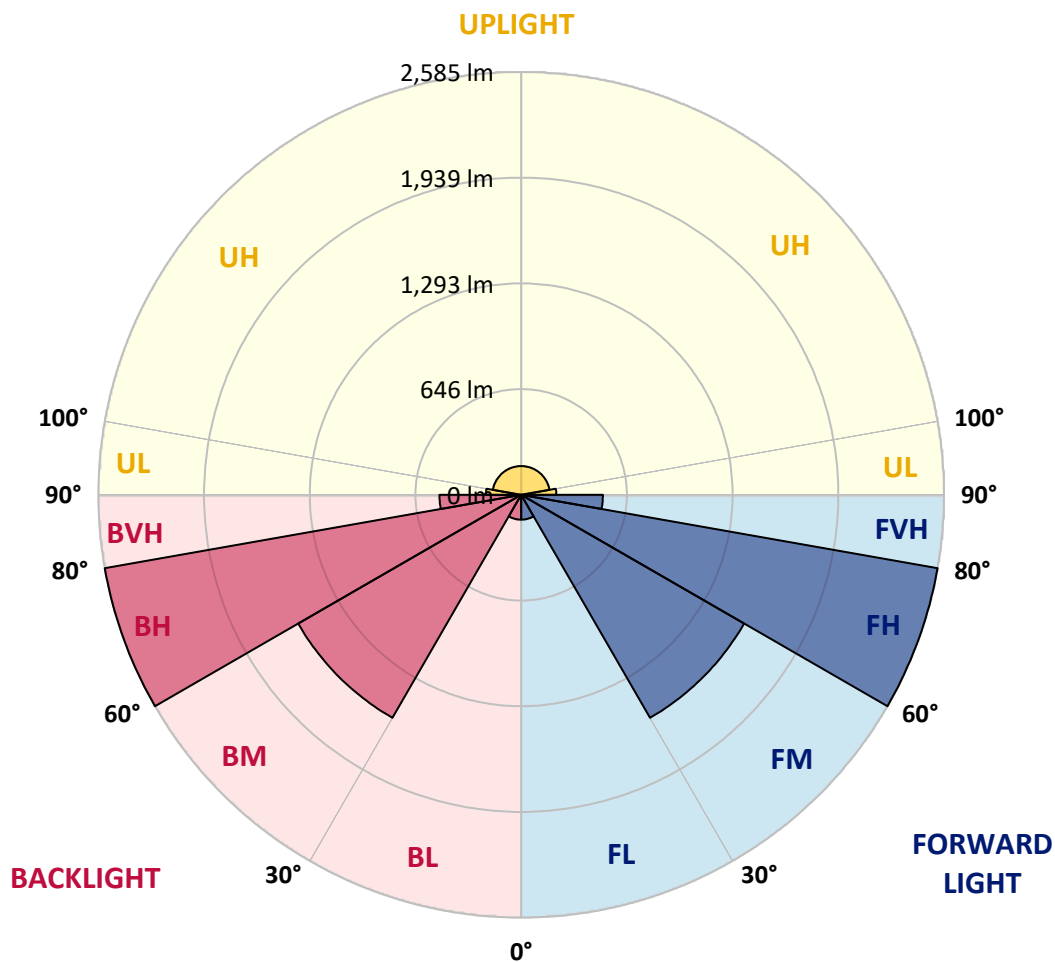
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.8	1.5			
FM (30°-60°)	1574.6	15.8			
FH (60°-80°)	2585.5	25.9			G2/5000
FVH (80°-90°)	499.5	5.0			G3/500
BL (0°-30°)	151.8	1.5	B1/500		
BM (30°-60°)	1574.6	15.8	B2/2500		
BH (60°-80°)	2585.5	25.9	B4/5000		G2/5000
BVH (80°-90°)	499.5	5.0			G3/500
UL (90°-100°)	215.0	2.2		U3/500	
UH (100°-180°)	175.6	1.8		U3/500	

**BUG Rating: B4-U3-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3
2.5°	136.5	136.5	136.5	137.6	137.6	138.7	137.6	136.5	136.5	135.4	135.4
5°	146.3	146.3	146.3	146.3	147.4	147.4	145.2	144.1	143.0	143.0	143.0
7.5°	161.6	161.6	162.7	161.6	161.6	160.5	158.3	156.1	156.1	155.0	155.0
10°	185.6	183.4	183.4	182.3	181.2	179.1	176.9	175.8	173.6	173.6	171.4
12.5°	218.4	217.3	214.0	210.7	206.3	203.1	200.9	199.8	199.8	199.8	202.0
15°	256.6	257.7	255.5	247.8	239.1	232.5	231.5	231.5	233.6	235.8	235.8
17.5°	306.8	304.6	299.1	290.4	279.5	272.9	268.6	271.9	277.3	280.6	282.8
20°	361.4	360.3	352.6	338.4	326.4	317.7	314.4	318.8	328.6	337.4	336.3
22.5°	424.7	423.6	411.6	393.0	376.7	366.8	363.6	372.3	393.0	404.0	406.1
25°	496.8	493.5	482.6	457.5	434.5	419.2	421.4	436.7	464.0	485.8	484.7
27.5°	578.6	574.3	553.5	525.1	494.6	479.3	483.7	508.8	545.9	571.0	574.3
30°	668.2	661.6	639.8	598.3	563.4	541.5	552.4	587.4	634.3	670.3	674.7
32.5°	754.4	762.1	724.9	683.4	635.4	607.0	621.2	669.3	727.1	777.3	781.7
35°	863.6	857.0	825.4	770.8	711.8	682.4	700.9	759.9	825.4	884.3	886.5
37.5°	980.4	973.9	932.4	865.8	797.0	762.1	786.1	849.4	933.5	992.4	1005.5
40°	1106.0	1092.9	1054.7	972.8	888.7	852.7	875.6	955.3	1045.9	1110.3	1119.1
42.5°	1229.3	1221.7	1182.4	1088.5	992.4	946.6	980.4	1059.0	1163.8	1227.2	1238.1
45°	1363.6	1362.5	1320.0	1217.3	1109.2	1057.9	1092.9	1180.2	1280.6	1353.8	1360.3
47.5°	1505.6	1506.6	1469.5	1366.9	1235.9	1178.0	1211.9	1310.1	1428.0	1493.5	1500.1
50°	1673.7	1667.1	1642.0	1521.9	1384.4	1318.9	1362.5	1465.2	1574.3	1644.2	1650.8
52.5°	1850.6	1850.6	1821.1	1710.8	1550.3	1482.6	1519.7	1624.6	1746.8	1810.2	1823.3
55°	2047.1	2038.3	2026.3	1906.2	1742.5	1663.9	1701.0	1820.0	1932.4	1987.0	1988.1
57.5°	2260.0	2251.2	2249.0	2141.0	1954.3	1851.6	1894.2	2006.7	2134.4	2170.4	2181.4
60°	2466.3	2481.6	2472.9	2377.9	2167.2	2051.4	2099.5	2217.4	2340.8	2373.5	2384.4
62.5°	2691.2	2698.9	2722.9	2607.2	2380.1	2256.7	2304.7	2409.5	2535.1	2562.4	2566.8
65°	2885.6	2893.2	2924.9	2815.7	2558.0	2428.1	2482.7	2593.0	2718.5	2742.5	2728.3
67.5°	3001.3	3018.7	3066.8	2963.1	2697.8	2554.7	2610.4	2714.1	2823.3	2845.2	2826.6
68°	3018.7	3032.9	3077.7	2983.8	2715.2	2570.0	2629.0	2731.6	2843.0	2860.4	2846.2
70°	3006.7	3023.1	3078.8	2995.8	2746.9	2608.2	2663.9	2751.3	2853.9	2860.4	2850.6
72.5°	2840.8	2870.3	2924.9	2895.4	2693.4	2567.8	2614.8	2668.3	2739.3	2738.2	2726.2
75°	2523.1	2510.0	2622.4	2636.6	2503.4	2431.4	2454.3	2455.4	2469.6	2449.9	2410.6
77.5°	2017.6	2048.2	2157.3	2252.3	2207.6	2179.2	2183.5	2119.1	2090.7	2006.7	1980.5
80°	1471.7	1495.7	1612.5	1756.7	1821.1	1853.8	1816.7	1695.5	1596.2	1509.9	1480.4
82.5°	1004.4	1013.2	1150.7	1289.4	1418.2	1457.5	1424.8	1259.9	1122.3	1030.6	990.2
85°	617.9	632.1	730.4	868.0	1019.7	1109.2	1032.8	868.0	729.3	657.2	640.9
87.5°	363.6	385.4	450.9	554.6	699.8	776.2	716.2	573.2	461.8	409.4	389.8
90°	227.1	240.2	281.7	357.0	469.5	525.1	484.7	372.3	298.1	253.3	239.1
92.5°	158.3	162.7	191.1	239.1	319.9	358.1	324.3	255.5	204.2	170.3	164.9
95°	117.9	121.2	138.7	169.2	220.5	250.0	227.1	180.1	145.2	122.3	119.0
97.5°	92.8	95.0	109.2	128.8	161.6	182.3	168.1	137.6	112.5	93.9	90.6
100°	72.1	74.2	87.3	102.6	126.6	137.6	128.8	108.1	88.4	72.1	69.9
102.5°	56.8	57.9	69.9	84.1	101.5	109.2	102.6	87.3	69.9	55.7	54.6
105°	44.8	45.9	56.8	69.9	84.1	89.5	85.2	72.1	55.7	42.6	41.5
107.5°	34.9	36.0	44.8	57.9	69.9	74.2	69.9	59.0	43.7	33.8	32.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	28.4	28.4	37.1	48.0	59.0	62.2	59.0	48.0	34.9	27.3	26.2
112.5°	24.0	24.0	30.6	40.4	49.1	53.5	49.1	39.3	28.4	21.8	21.8
115°	19.7	20.7	25.1	33.8	41.5	44.8	41.5	32.8	24.0	18.6	18.6
117.5°	17.5	18.6	21.8	28.4	36.0	38.2	34.9	27.3	19.7	16.4	16.4
120°	16.4	16.4	18.6	24.0	30.6	32.8	29.5	24.0	17.5	15.3	15.3
122.5°	15.3	15.3	16.4	20.7	26.2	28.4	25.1	19.7	15.3	14.2	13.1
125°	14.2	14.2	15.3	18.6	22.9	24.0	21.8	17.5	13.1	12.0	12.0
127.5°	13.1	13.1	14.2	16.4	19.7	20.7	19.7	15.3	12.0	12.0	12.0
130°	12.0	12.0	13.1	14.2	17.5	18.6	16.4	13.1	10.9	10.9	10.9
132.5°	10.9	10.9	10.9	13.1	15.3	15.3	14.2	12.0	10.9	9.8	9.8
135°	10.9	10.9	10.9	10.9	13.1	14.2	12.0	10.9	9.8	9.8	9.8
137.5°	9.8	9.8	9.8	9.8	10.9	12.0	10.9	9.8	8.7	8.7	8.7
140°	8.7	8.7	8.7	8.7	9.8	9.8	9.8	7.6	7.6	7.6	7.6
142.5°	7.6	7.6	7.6	7.6	7.6	8.7	7.6	6.6	6.6	6.6	6.6
145°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
147.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
150°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
152.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
155°	2.2	2.2	2.2	2.2	3.3	2.2	3.3	2.2	2.2	2.2	2.2
157.5°	1.1	1.1	2.2	2.2	2.2	3.3	2.2	2.2	1.1	1.1	1.1
160°	0.0	1.1	1.1	1.1	2.2	2.2	2.2	1.1	1.1	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)