

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: P255065

Luminaire Tested: **LXF.LXT-AF24-100-D-U-5WQ-TL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255065  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-33)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-100-D-U-5WQ-TL-7030  
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: 8623.9 lumens  
Efficiency: N/A  
Efficacy: 89.8 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): 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

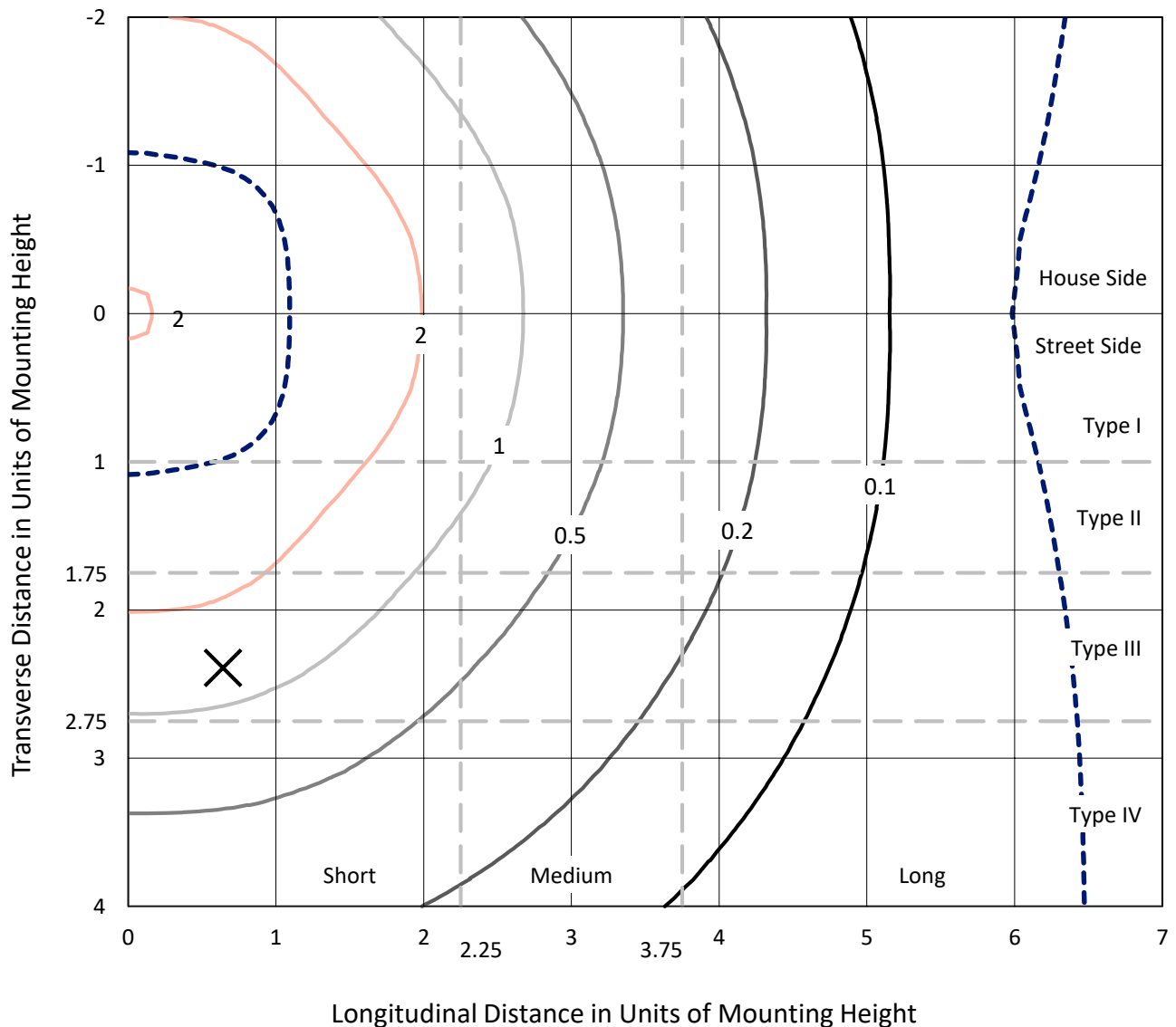


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

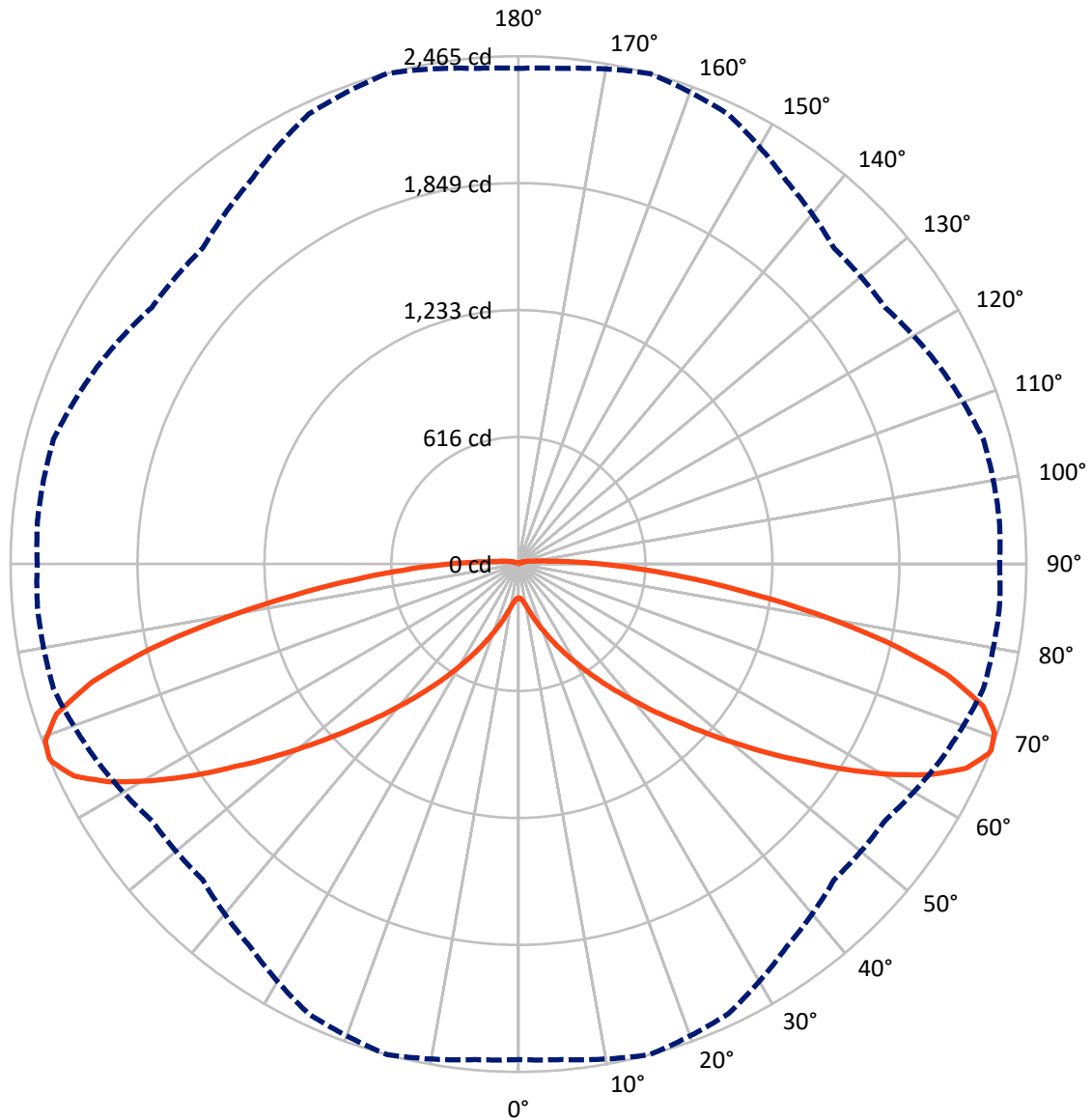


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical



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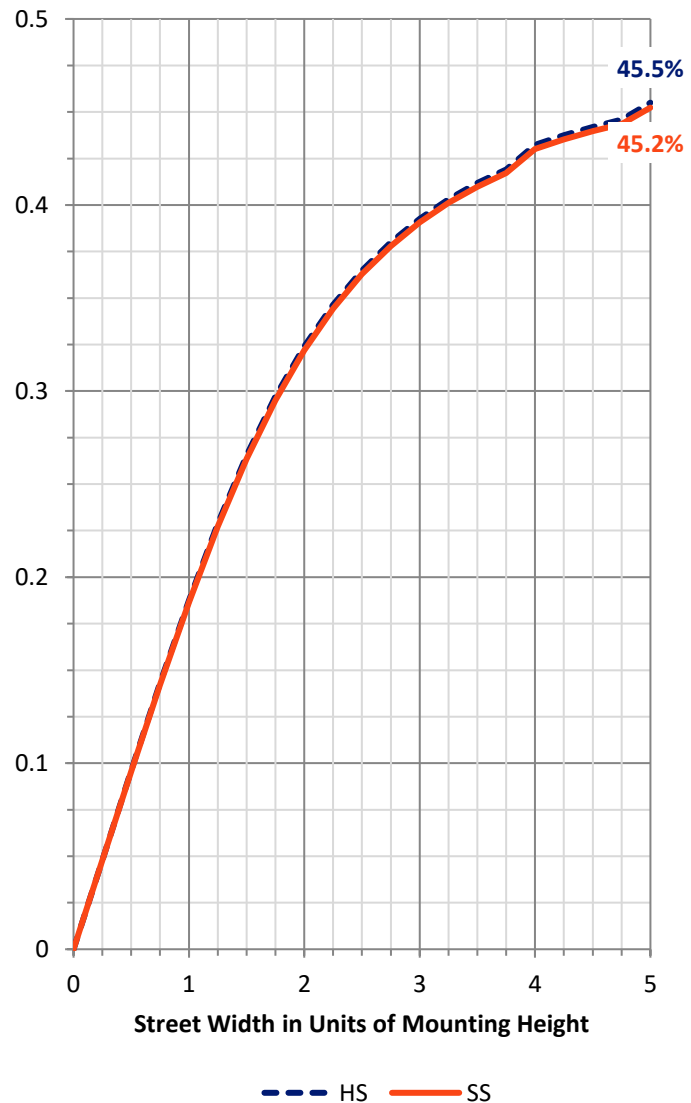
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4139.3	172.6	4311.9
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	4139.3	172.6	4311.9
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	8278.7	345.2	8623.9
	% Fixture	96.0	4.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.7	0.2
10°-20°	78.8	0.9
20°-30°	207.8	2.4
30°-40°	436.2	5.1
40°-50°	818.9	9.5
50°-60°	1446.9	16.8
60°-70°	2182.3	25.3
70°-80°	2115.2	24.5
80°-90°	974.9	11.3
90°-100°	231.9	2.7
100°-110°	64.8	0.8
110°-120°	27.2	0.3
120°-130°	12.2	0.1
130°-140°	5.9	0.1
140°-150°	2.4	0.0
150°-160°	0.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8278.7	96.0
0°-180°	8623.9	100.0

**Coefficient of Utilization**



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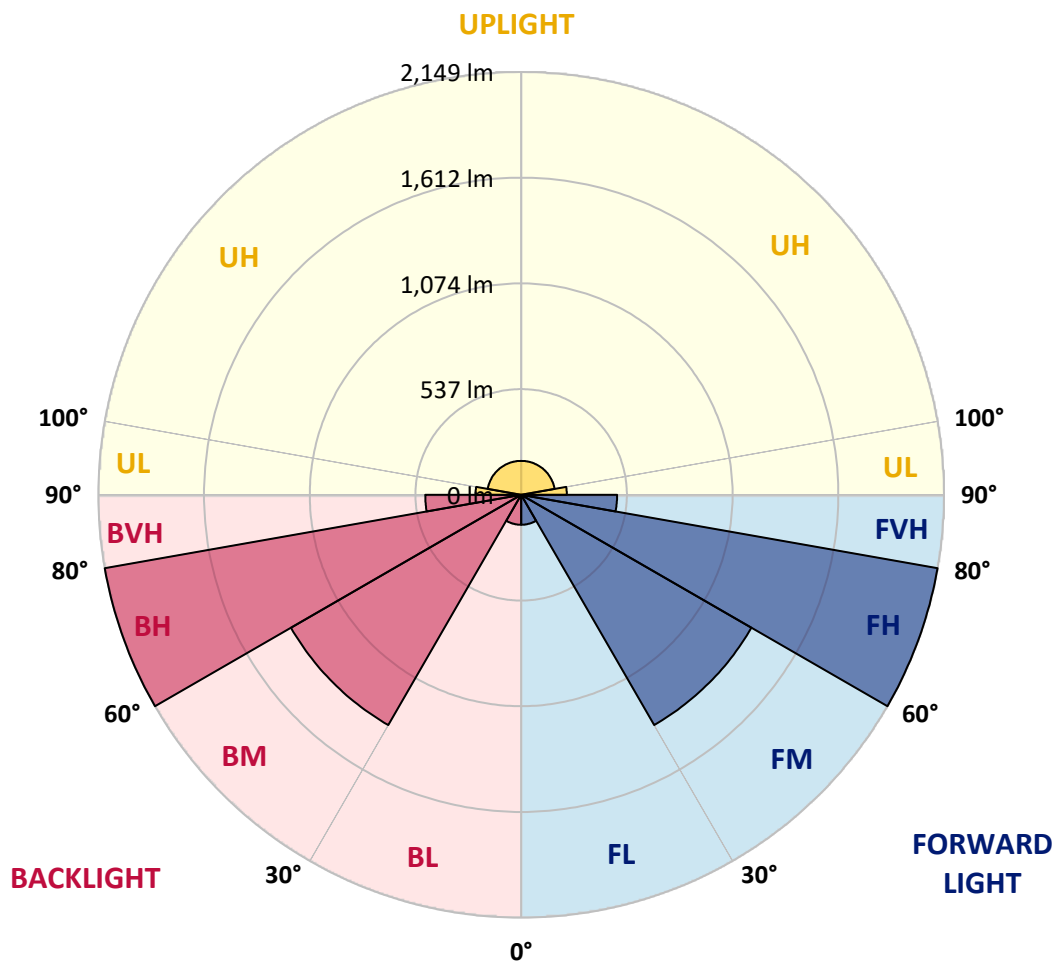
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.2	1.8			
FM (30°-60°)	1351.0	15.7			
FH (60°-80°)	2148.7	24.9			G2/5000
FVH (80°-90°)	487.5	5.7			G3/500
BL (0°-30°)	152.2	1.8	B1/500		
BM (30°-60°)	1351.0	15.7	B2/2500		
BH (60°-80°)	2148.7	24.9	B3/2500		G2/5000
BVH (80°-90°)	487.5	5.7			G3/500
UL (90°-100°)	231.9	2.7		U3/500	
UH (100°-180°)	172.6	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°	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4
2.5°	167.2	167.2	167.2	167.2	167.2	168.3	167.2	167.2	167.2	167.2	167.2
5°	174.0	174.0	174.0	175.1	175.1	175.1	175.1	175.1	175.1	176.0	175.1
7.5°	186.7	186.7	186.7	186.7	186.7	186.7	187.6	188.6	188.6	189.6	189.6
10°	206.0	206.0	205.1	205.1	205.1	206.0	206.0	207.9	208.9	211.9	210.9
12.5°	236.0	236.0	234.1	232.0	231.2	230.2	232.0	236.0	238.8	243.7	242.8
15°	269.9	269.9	267.9	265.0	264.1	263.1	264.1	268.9	273.7	278.5	277.6
17.5°	307.6	306.6	304.7	300.8	300.8	299.8	299.8	304.7	310.6	317.2	317.2
20°	349.2	347.2	344.2	339.5	339.5	338.4	339.5	343.3	352.1	359.8	359.8
22.5°	396.5	394.7	390.7	385.9	383.0	381.1	382.1	387.9	398.5	409.0	410.0
25°	449.7	446.9	442.9	437.1	429.4	425.6	427.5	437.1	450.7	464.3	461.3
27.5°	505.9	504.9	499.1	490.3	478.8	473.0	477.8	489.4	505.9	520.3	521.2
30°	571.7	568.7	560.9	547.4	534.9	523.3	528.0	543.6	565.8	585.2	586.0
32.5°	640.3	639.2	630.7	611.3	590.0	579.3	584.2	606.4	632.5	651.8	655.8
35°	719.6	717.7	708.0	682.9	655.8	641.3	646.0	673.1	705.0	729.2	731.2
37.5°	806.7	801.8	790.2	760.2	725.4	708.0	712.8	743.7	782.4	806.7	812.5
40°	896.6	895.6	882.0	847.2	804.7	780.5	788.2	823.0	867.5	894.7	898.5
42.5°	1001.1	999.0	985.5	944.9	892.6	864.7	873.3	914.9	963.3	990.4	995.3
45°	1111.2	1113.3	1094.9	1055.2	994.3	962.3	968.1	1015.6	1068.8	1102.5	1106.5
47.5°	1238.9	1236.0	1225.5	1176.0	1106.5	1069.6	1076.4	1128.6	1191.6	1223.4	1225.5
50°	1373.4	1370.4	1366.7	1315.4	1235.0	1197.4	1201.2	1258.3	1322.1	1355.1	1363.7
52.5°	1523.3	1524.2	1526.3	1470.1	1380.2	1328.9	1337.6	1402.4	1470.1	1500.1	1507.8
55°	1689.7	1690.6	1694.5	1637.5	1535.8	1478.9	1489.4	1561.0	1633.5	1663.6	1666.4
57.5°	1874.4	1869.5	1885.0	1817.3	1706.1	1640.3	1651.9	1726.4	1803.8	1832.9	1838.7
60°	2059.1	2052.3	2073.6	2005.9	1878.2	1806.7	1812.5	1899.5	1982.7	2001.1	2013.6
62.5°	2215.8	2222.6	2250.6	2181.9	2040.8	1953.7	1963.4	2051.4	2144.2	2162.6	2165.5
65°	2338.5	2348.3	2389.8	2318.3	2178.1	2073.6	2087.2	2178.1	2273.8	2282.5	2280.6
67.5°	2403.3	2412.1	2459.5	2400.5	2258.4	2155.8	2163.6	2251.7	2332.8	2341.5	2332.8
68°	2405.4	2415.0	2465.3	2409.2	2269.0	2167.3	2172.3	2258.4	2336.7	2344.3	2335.8
70°	2376.4	2399.6	2451.8	2410.2	2278.6	2183.9	2184.8	2254.4	2329.0	2323.2	2315.4
72.5°	2264.2	2284.5	2358.0	2340.6	2230.3	2149.0	2137.4	2185.8	2229.3	2212.9	2208.0
75°	2035.9	2055.2	2150.0	2169.4	2107.5	2048.5	2020.4	2035.9	2035.0	2004.9	1993.3
77.5°	1705.1	1732.2	1836.6	1908.2	1887.9	1863.8	1816.3	1793.2	1749.6	1688.7	1669.4
80°	1325.0	1352.1	1465.2	1564.9	1605.4	1608.4	1564.9	1487.4	1400.4	1317.3	1300.8
82.5°	982.7	1010.6	1105.4	1229.2	1282.4	1313.4	1265.1	1165.5	1067.8	975.9	959.4
85°	686.7	707.0	802.7	903.3	980.7	1014.6	961.4	876.3	777.6	698.2	682.9
87.5°	468.0	479.7	555.1	655.8	728.3	761.2	715.7	632.5	541.6	469.0	452.7
90°	296.9	304.7	360.8	444.9	518.4	547.4	511.7	439.1	355.9	296.9	286.3
92.5°	181.8	185.7	227.3	295.0	356.8	389.7	357.9	293.1	225.4	182.8	177.0
95°	119.0	121.9	146.1	189.6	240.8	265.0	243.7	195.3	149.9	121.9	118.0
97.5°	88.1	89.9	104.5	127.7	158.7	177.0	162.5	133.6	107.4	89.9	87.1
100°	68.7	69.6	79.3	93.9	111.2	121.9	114.1	97.7	81.3	68.7	67.7
102.5°	55.1	55.1	63.8	74.6	85.1	90.9	86.1	77.3	63.8	54.2	53.2
105°	43.4	44.5	51.3	60.9	68.7	72.5	69.6	62.9	51.3	42.5	41.6
107.5°	34.9	34.9	41.6	50.3	58.0	60.9	58.0	52.2	40.7	33.9	32.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	27.1	28.1	32.9	41.6	48.4	51.3	48.4	42.5	32.9	27.1	26.1
112.5°	22.3	22.3	26.1	33.9	40.7	42.5	40.7	33.9	26.1	21.3	21.3
115°	18.3	18.3	21.3	28.1	33.9	35.8	33.9	28.1	21.3	17.4	17.4
117.5°	15.6	16.4	18.3	23.2	28.1	29.1	28.1	23.2	17.4	15.6	14.5
120°	13.5	14.5	15.6	19.3	23.2	24.1	22.3	18.3	14.5	13.5	12.6
122.5°	12.6	12.6	13.5	15.6	19.3	20.3	18.3	15.6	12.6	11.6	11.6
125°	11.6	11.6	11.6	13.5	15.6	16.4	15.6	12.6	10.6	10.6	10.6
127.5°	10.6	10.6	10.6	11.6	13.5	13.5	12.6	10.6	9.8	9.8	9.8
130°	9.8	9.8	9.8	9.8	10.6	11.6	10.6	9.8	8.7	8.7	8.7
132.5°	8.7	8.7	8.7	8.7	8.7	9.8	8.7	7.7	7.7	7.7	7.7
135°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	6.8	6.8	6.8	6.8
137.5°	6.8	6.8	6.8	6.8	6.8	6.8	5.8	5.8	5.8	6.8	6.8
140°	5.8	5.8	5.8	5.8	4.8	4.8	4.8	4.8	5.8	5.8	5.8
142.5°	5.8	5.8	4.8	4.8	3.9	3.9	3.9	3.9	4.8	4.8	4.8
145°	4.8	4.8	3.9	3.9	3.9	2.9	2.9	3.9	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
150°	2.9	2.9	2.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9
152.5°	1.9	1.9	1.9	1.9	1.9	1.0	1.9	1.9	1.9	1.9	1.9
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	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)