

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: P416012

Luminaire Tested: **LXF.LXT-PA1-60-760-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416012  
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-PA1-60-760-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5700K, 800mA 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: 7453 lumens  
Efficiency: N/A  
Efficacy: 116.5 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

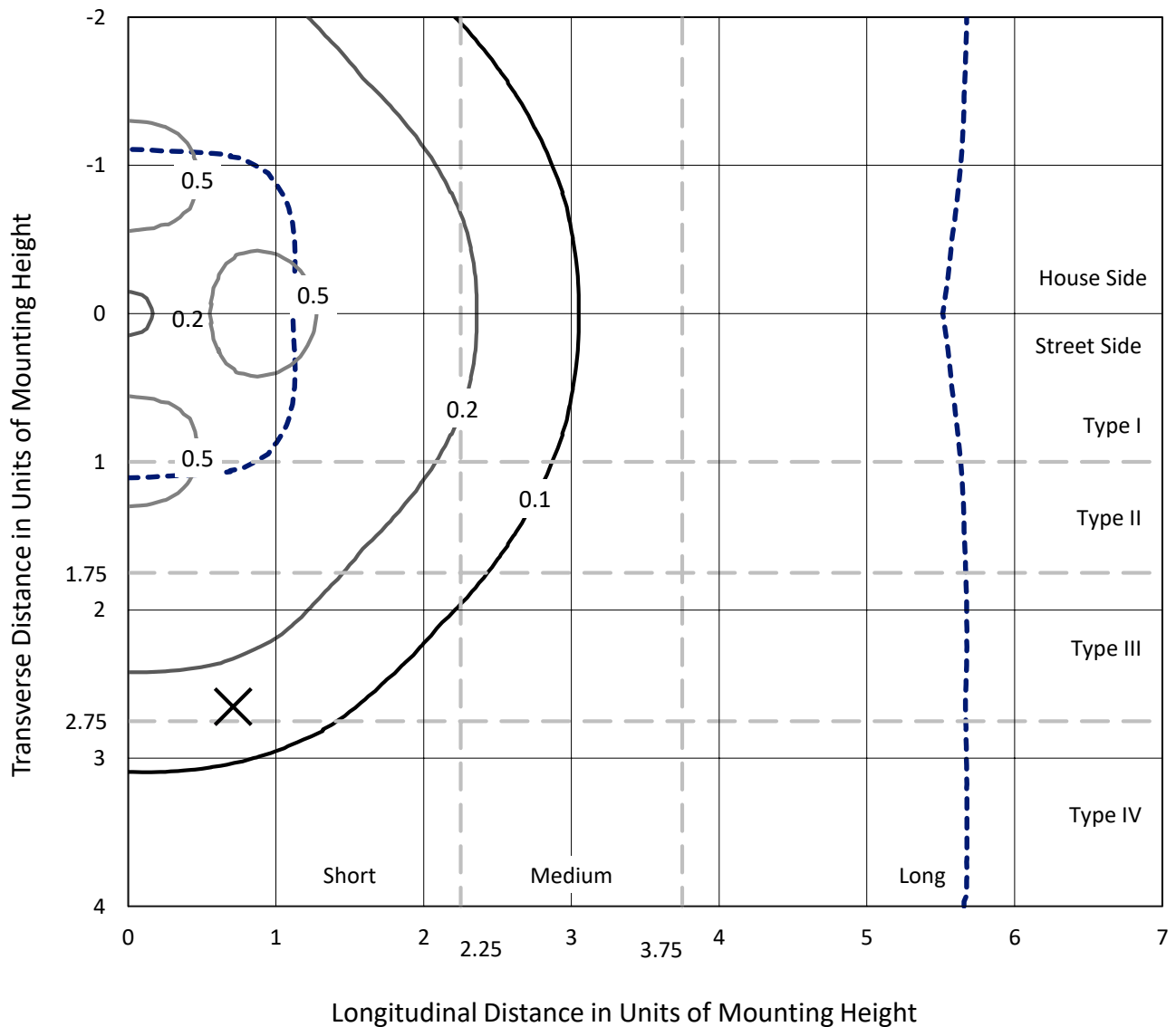
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

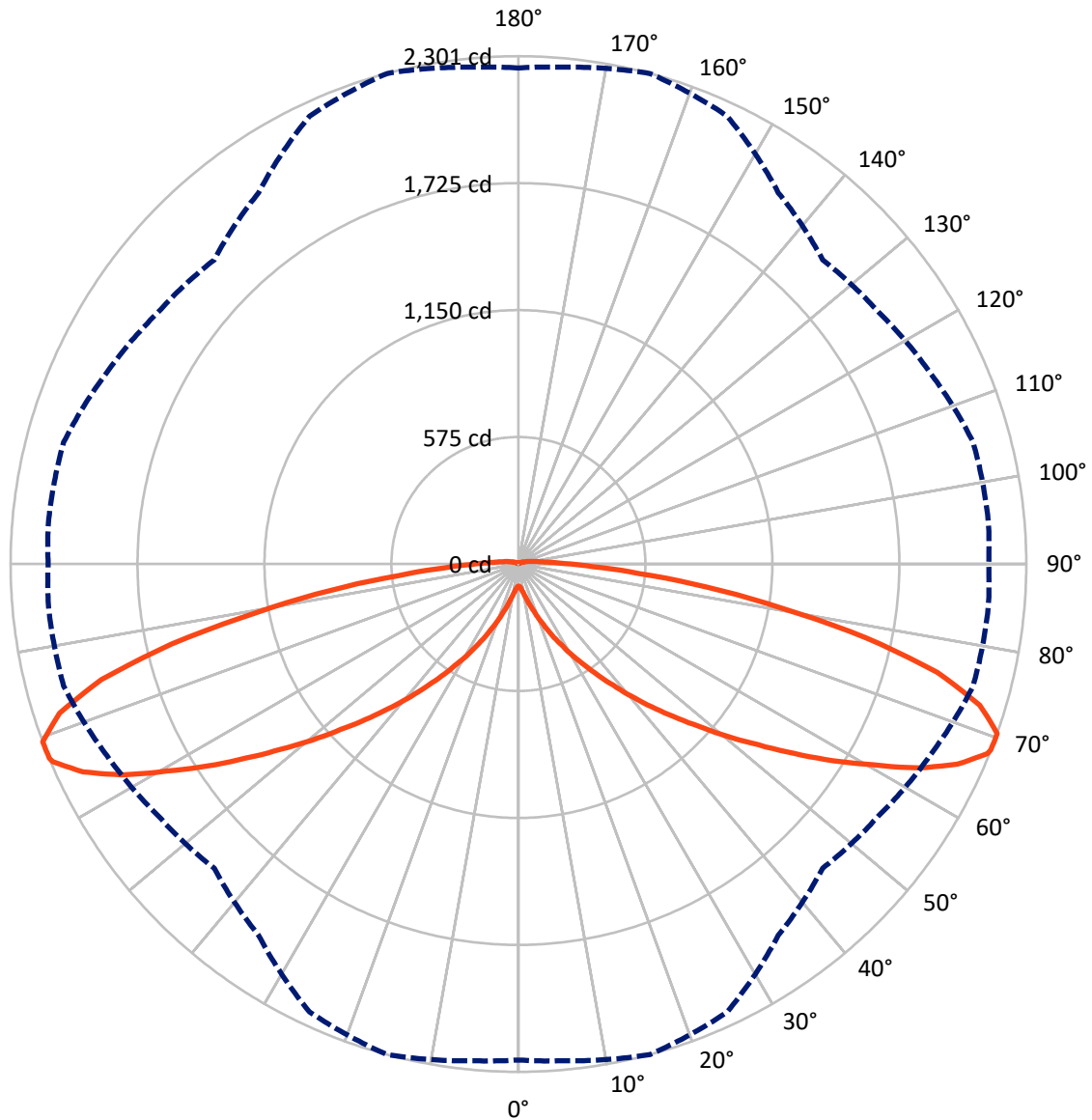
× Max cd  
 - - - 1/2 Max cd



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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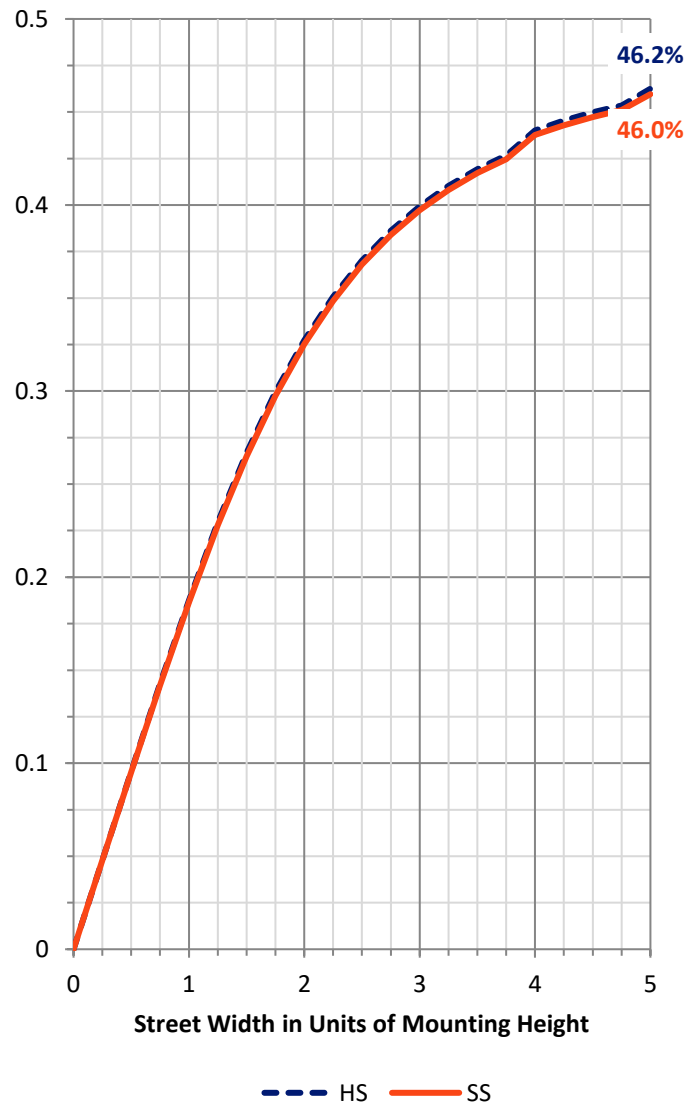
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3595.3	131.2	3726.5
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	3595.3	131.2	3726.5
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	7190.5	262.5	7453.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.2	0.1
10°-20°	53.8	0.7
20°-30°	161.9	2.2
30°-40°	372.2	5.0
40°-50°	715.7	9.6
50°-60°	1265.3	17.0
60°-70°	1960.9	26.3
70°-80°	1903.1	25.5
80°-90°	746.5	10.0
90°-100°	160.6	2.2
100°-110°	54.9	0.7
110°-120°	24.1	0.3
120°-130°	12.2	0.2
130°-140°	6.6	0.1
140°-150°	3.1	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7190.5	96.5
0°-180°	7453.0	100.0



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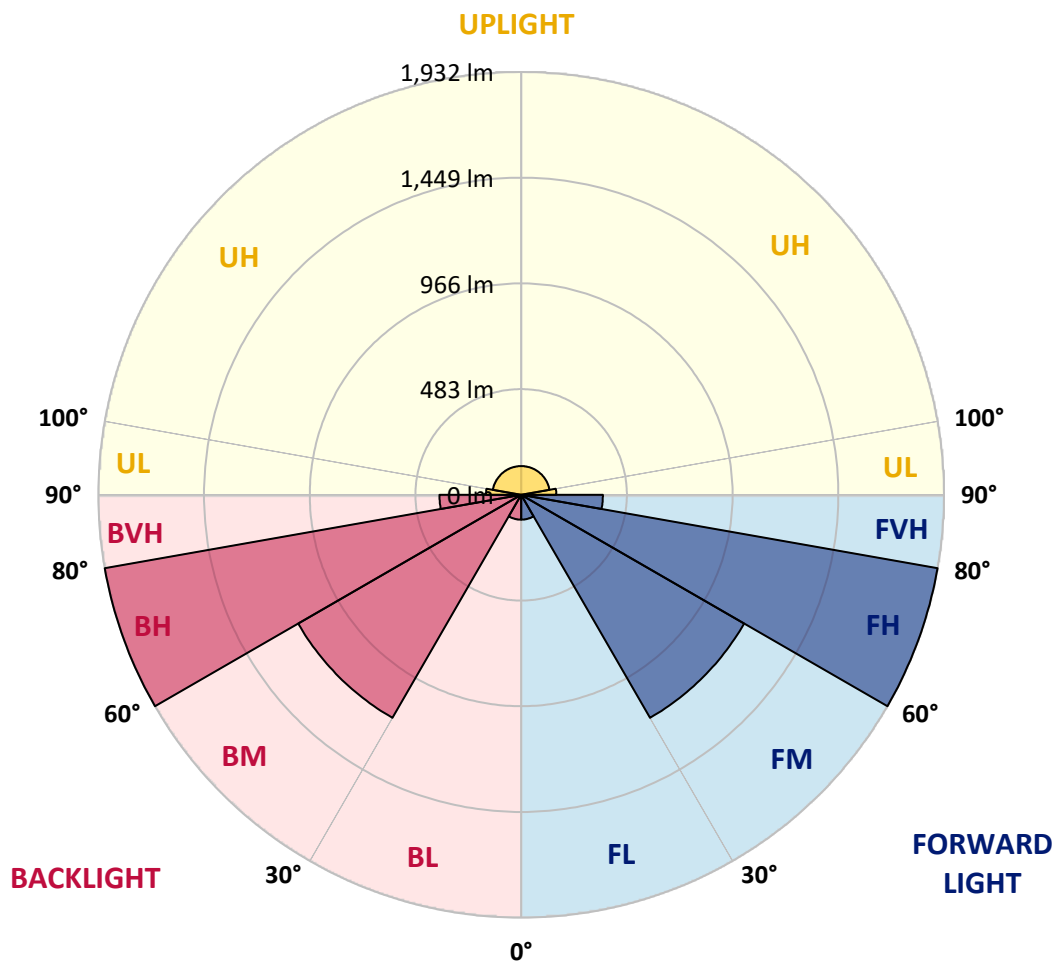
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.4	1.5			
FM (30°-60°)	1176.6	15.8			
FH (60°-80°)	1932.0	25.9			G2/5000
FVH (80°-90°)	373.2	5.0			G3/500
BL (0°-30°)	113.4	1.5	B1/500		
BM (30°-60°)	1176.6	15.8	B2/2500		
BH (60°-80°)	1932.0	25.9	B3/2500		G2/5000
BVH (80°-90°)	373.2	5.0			G3/500
UL (90°-100°)	160.6	2.2		U3/500	
UH (100°-180°)	131.2	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°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	102.0	102.0	102.0	102.8	102.8	103.6	102.8	102.0	102.0	101.2	101.2
5°	109.3	109.3	109.3	109.3	110.1	110.1	108.5	107.7	106.9	106.9	106.9
7.5°	120.7	120.7	121.6	120.7	120.7	119.9	118.3	116.7	116.7	115.8	115.8
10°	138.7	137.1	137.1	136.2	135.4	133.8	132.2	131.3	129.7	129.7	128.1
12.5°	163.2	162.3	159.9	157.5	154.2	151.7	150.1	149.3	149.3	149.3	150.9
15°	191.7	192.5	190.9	185.2	178.7	173.8	173.0	173.0	174.6	176.2	176.2
17.5°	229.2	227.6	223.5	217.0	208.8	204.0	200.7	203.1	207.2	209.7	211.3
20°	270.0	269.2	263.5	252.9	243.9	237.4	235.0	238.2	245.6	252.1	251.3
22.5°	317.4	316.5	307.6	293.7	281.5	274.1	271.7	278.2	293.7	301.9	303.5
25°	371.2	368.7	360.6	341.8	324.7	313.3	314.9	326.3	346.7	363.0	362.2
27.5°	432.4	429.1	413.6	392.4	369.6	358.1	361.4	380.2	407.9	426.7	429.1
30°	499.3	494.4	478.1	447.1	421.0	404.6	412.8	438.9	474.0	500.9	504.2
32.5°	563.7	569.4	541.7	510.7	474.8	453.6	464.2	500.1	543.3	580.9	584.1
35°	645.3	640.4	616.8	576.0	531.9	509.9	523.8	567.8	616.8	660.8	662.4
37.5°	732.6	727.7	696.7	646.9	595.5	569.4	587.4	634.7	697.5	741.6	751.4
40°	826.4	816.6	788.1	726.9	664.1	637.2	654.3	713.8	781.6	829.7	836.2
42.5°	918.6	912.9	883.5	813.4	741.6	707.3	732.6	791.3	869.7	917.0	925.1
45°	1019.0	1018.1	986.3	909.6	828.9	790.5	816.6	881.9	957.0	1011.6	1016.5
47.5°	1125.0	1125.8	1098.1	1021.4	923.5	880.3	905.6	979.0	1067.1	1116.0	1120.9
50°	1250.6	1245.8	1227.0	1137.3	1034.5	985.5	1018.1	1094.8	1176.4	1228.6	1233.5
52.5°	1382.8	1382.8	1360.8	1278.4	1158.5	1107.9	1135.6	1213.9	1305.3	1352.6	1362.4
55°	1529.7	1523.1	1514.2	1424.4	1302.0	1243.3	1271.0	1360.0	1444.0	1484.8	1485.6
57.5°	1688.7	1682.2	1680.6	1599.8	1460.3	1383.6	1415.4	1499.5	1594.9	1621.8	1630.0
60°	1842.9	1854.4	1847.8	1776.9	1619.4	1532.9	1568.8	1656.9	1749.1	1773.6	1781.7
62.5°	2011.0	2016.7	2034.7	1948.2	1778.5	1686.3	1722.2	1800.5	1894.3	1914.7	1918.0
65°	2156.2	2161.9	2185.6	2104.0	1911.5	1814.4	1855.2	1937.6	2031.4	2049.3	2038.7
67.5°	2242.7	2255.7	2291.6	2214.1	2015.9	1909.0	1950.6	2028.1	2109.7	2126.0	2112.2
68°	2255.7	2266.3	2299.8	2229.6	2028.9	1920.4	1964.5	2041.2	2124.4	2137.4	2126.8
70°	2246.8	2259.0	2300.6	2238.6	2052.6	1949.0	1990.6	2055.9	2132.5	2137.4	2130.1
72.5°	2122.8	2144.8	2185.6	2163.6	2012.6	1918.8	1953.9	1993.9	2046.9	2046.1	2037.1
75°	1885.4	1875.6	1959.6	1970.2	1870.7	1816.8	1834.0	1834.8	1845.4	1830.7	1801.3
77.5°	1507.6	1530.5	1612.1	1683.0	1649.6	1628.4	1631.6	1583.5	1562.3	1499.5	1479.9
80°	1099.7	1117.7	1205.0	1312.7	1360.8	1385.3	1357.5	1267.0	1192.7	1128.3	1106.2
82.5°	750.6	757.1	859.9	963.5	1059.7	1089.1	1064.6	941.5	838.7	770.1	739.9
85°	461.8	472.4	545.8	648.6	762.0	828.9	771.8	648.6	545.0	491.1	478.9
87.5°	271.7	288.0	336.9	414.4	522.9	580.0	535.2	428.3	345.1	305.9	291.2
90°	169.7	179.5	210.5	266.8	350.8	392.4	362.2	278.2	222.7	189.3	178.7
92.5°	118.3	121.6	142.8	178.7	239.0	267.6	242.3	190.9	152.6	127.3	123.2
95°	88.1	90.6	103.6	126.5	164.8	186.8	169.7	134.6	108.5	91.4	88.9
97.5°	69.3	71.0	81.6	96.3	120.7	136.2	125.6	102.8	84.0	70.2	67.7
100°	53.8	55.5	65.3	76.7	94.6	102.8	96.3	80.8	66.1	53.8	52.2
102.5°	42.4	43.2	52.2	62.8	75.9	81.6	76.7	65.3	52.2	41.6	40.8
105°	33.4	34.3	42.4	52.2	62.8	66.9	63.6	53.8	41.6	31.8	31.0
107.5°	26.1	26.9	33.4	43.2	52.2	55.5	52.2	44.1	32.6	25.3	24.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	21.2	21.2	27.7	35.9	44.1	46.5	44.1	35.9	26.1	20.4	19.6
112.5°	17.9	17.9	22.8	30.2	36.7	40.0	36.7	29.4	21.2	16.3	16.3
115°	14.7	15.5	18.8	25.3	31.0	33.4	31.0	24.5	17.9	13.9	13.9
117.5°	13.1	13.9	16.3	21.2	26.9	28.6	26.1	20.4	14.7	12.2	12.2
120°	12.2	12.2	13.9	17.9	22.8	24.5	22.0	17.9	13.1	11.4	11.4
122.5°	11.4	11.4	12.2	15.5	19.6	21.2	18.8	14.7	11.4	10.6	9.8
125°	10.6	10.6	11.4	13.9	17.1	17.9	16.3	13.1	9.8	9.0	9.0
127.5°	9.8	9.8	10.6	12.2	14.7	15.5	14.7	11.4	9.0	9.0	9.0
130°	9.0	9.0	9.8	10.6	13.1	13.9	12.2	9.8	8.2	8.2	8.2
132.5°	8.2	8.2	8.2	9.8	11.4	11.4	10.6	9.0	8.2	7.3	7.3
135°	8.2	8.2	8.2	8.2	9.8	10.6	9.0	8.2	7.3	7.3	7.3
137.5°	7.3	7.3	7.3	7.3	8.2	9.0	8.2	7.3	6.5	6.5	6.5
140°	6.5	6.5	6.5	6.5	7.3	7.3	7.3	5.7	5.7	5.7	5.7
142.5°	5.7	5.7	5.7	5.7	5.7	6.5	5.7	4.9	4.9	4.9	4.9
145°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
152.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
155°	1.6	1.6	1.6	1.6	2.4	1.6	2.4	1.6	1.6	1.6	1.6
157.5°	0.8	0.8	1.6	1.6	1.6	2.4	1.6	1.6	0.8	0.8	0.8
160°	0.0	0.8	0.8	0.8	1.6	1.6	1.6	0.8	0.8	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)