

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: P266141

Luminaire Tested: **LXF.LXT-AF24-70-D-U-5WQ-CL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266141  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-70-D-U-5WQ-CL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6470.9 lumens  
Efficiency: N/A  
Efficacy: 87.4 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G2

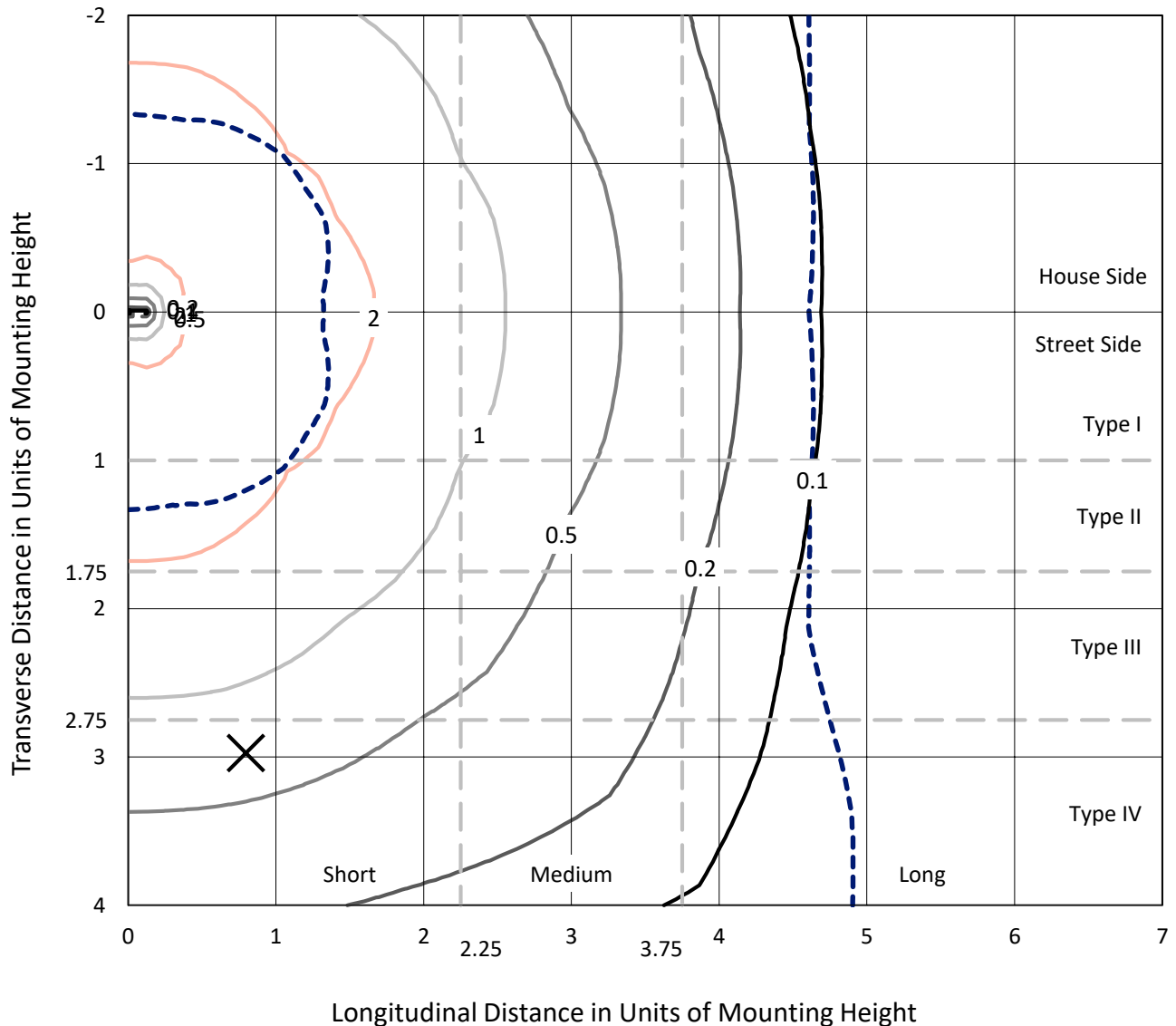
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

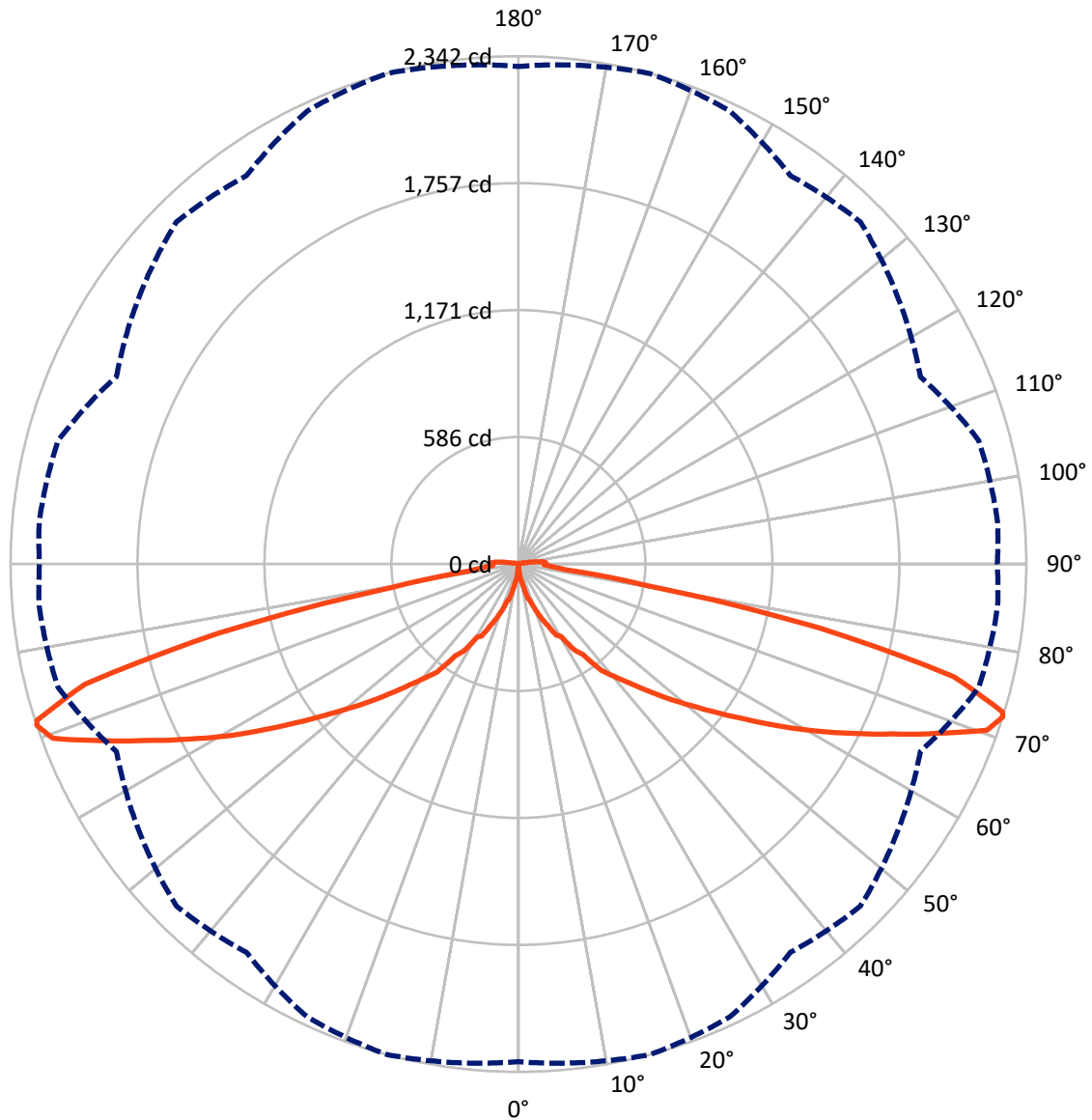


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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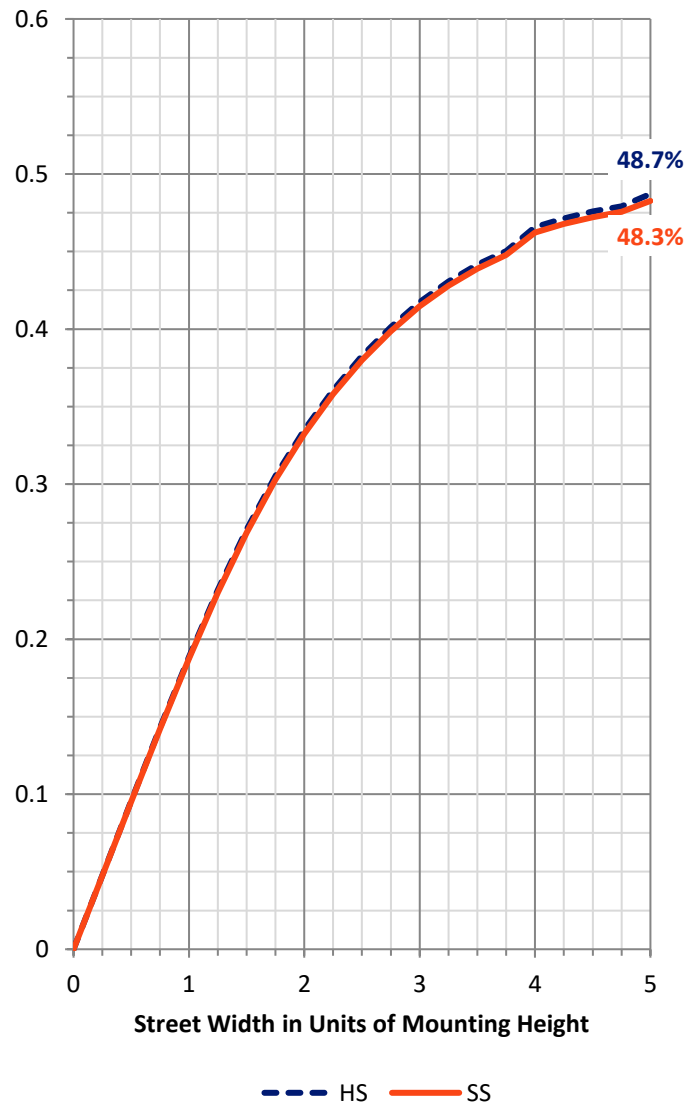
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3162.5	73.0	3235.5
	% Fixture	48.9	1.1	50.0
<b>Street Side</b>	Lumens	3162.5	73.0	3235.5
	% Fixture	48.9	1.1	50.0
<b>Total</b>	Lumens	6325.0	146.0	6470.9
	% Fixture	97.7	2.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.9	0.0
10°-20°	38.9	0.6
20°-30°	146.5	2.3
30°-40°	331.1	5.1
40°-50°	601.6	9.3
50°-60°	1078.7	16.7
60°-70°	1823.2	28.2
70°-80°	1958.7	30.3
80°-90°	343.4	5.3
90°-100°	119.4	1.8
100°-110°	15.8	0.2
110°-120°	4.5	0.1
120°-130°	2.8	0.0
130°-140°	1.7	0.0
140°-150°	1.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6325.0	97.7
0°-180°	6470.9	100.0

**Coefficient of Utilization**



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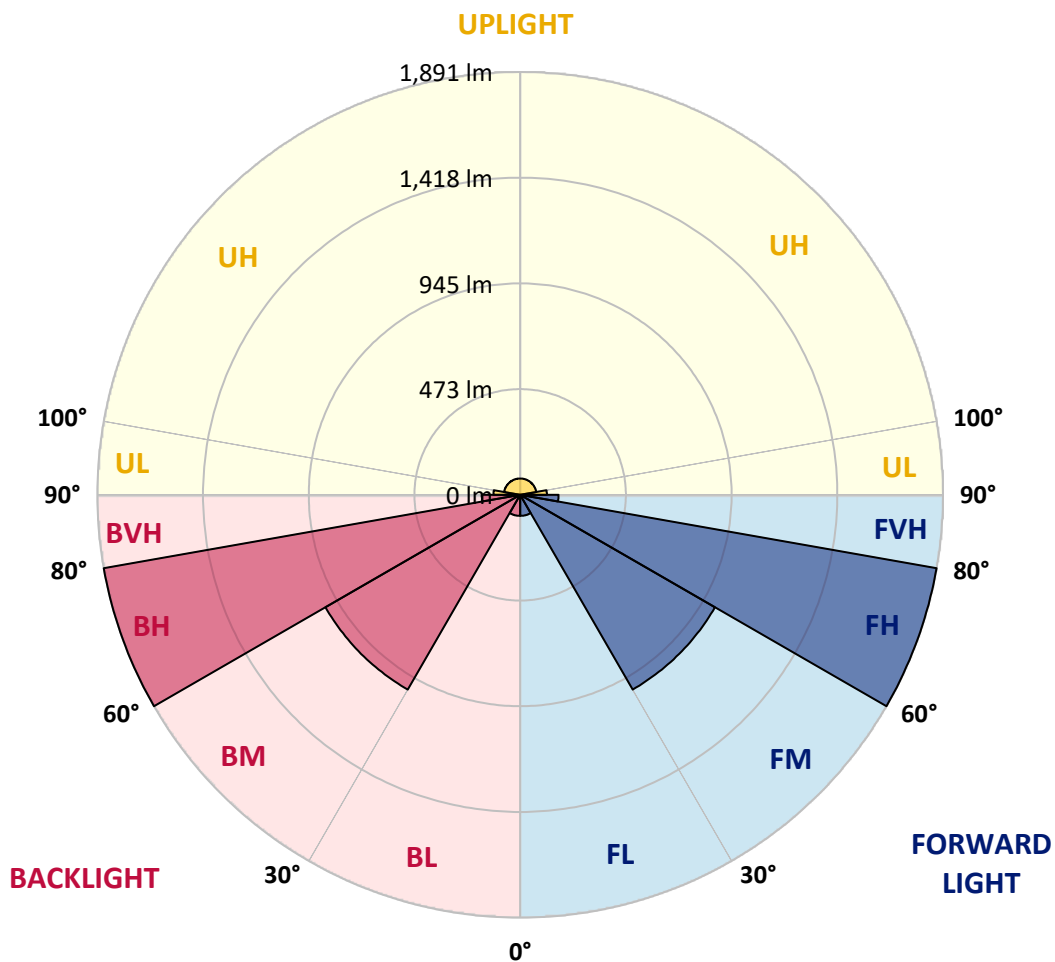
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.1	1.5			
FM (30°-60°)	1005.7	15.5			
FH (60°-80°)	1891.0	29.2			G2/5000
FVH (80°-90°)	171.7	2.7			G2/225
BL (0°-30°)	94.1	1.5	B0/110		
BM (30°-60°)	1005.7	15.5	B2/2500		
BH (60°-80°)	1891.0	29.2	B3/2500		G2/5000
BVH (80°-90°)	171.7	2.7			G2/225
UL (90°-100°)	119.4	1.8		U3/500	
UH (100°-180°)	73.0	1.1		U3/500	

**BUG Rating: B3-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2.5°	5.7	5.7	5.7	5.1	5.1	5.1	5.1	4.4	5.1	5.1	5.1
5°	32.8	34.2	30.6	29.9	13.8	10.9	6.6	5.1	5.1	5.1	5.1
7.5°	73.5	73.5	71.3	64.0	47.3	39.3	21.9	8.1	5.7	5.1	5.1
10°	84.5	83.1	79.4	79.4	76.4	69.9	41.5	19.7	8.8	8.1	8.1
12.5°	128.2	128.2	117.1	107.7	85.2	77.2	65.5	46.6	48.1	77.2	88.2
15°	171.0	171.0	164.6	152.9	121.6	90.3	117.9	138.2	117.1	125.9	126.8
17.5°	190.0	189.4	180.6	170.4	157.3	173.4	163.9	158.7	138.2	139.1	142.0
20°	263.6	260.7	227.9	208.9	183.4	222.2	195.1	182.7	233.6	251.2	257.1
22.5°	281.8	279.6	270.8	253.4	265.0	238.1	240.2	264.3	268.7	277.3	279.6
25°	333.5	332.7	312.3	281.0	305.1	272.2	309.5	282.4	299.9	349.5	368.5
27.5°	380.8	379.4	372.1	336.3	321.9	353.2	329.8	367.0	405.6	416.5	425.2
30°	426.6	424.4	387.3	392.4	359.0	374.2	401.9	408.5	423.0	451.4	452.8
32.5°	500.1	495.1	470.4	436.8	427.5	400.5	431.7	433.3	534.4	586.9	599.2
35°	573.7	568.6	513.3	498.0	465.2	475.5	462.4	528.7	570.1	619.7	628.4
37.5°	669.9	664.7	623.2	551.2	519.1	504.6	538.1	565.0	600.6	666.9	666.3
40°	722.2	720.1	682.3	625.4	571.5	554.9	572.3	596.4	651.6	711.4	717.8
42.5°	784.8	779.8	749.9	683.7	638.5	613.1	609.4	656.8	715.7	779.1	780.4
45°	860.5	853.3	832.2	744.9	700.4	680.0	679.3	728.9	797.2	860.5	867.9
47.5°	945.7	939.3	925.4	823.4	780.4	754.2	771.0	802.4	872.3	948.0	955.9
50°	1037.5	1033.9	1022.2	924.6	889.1	846.7	865.6	885.4	969.1	1041.9	1044.1
52.5°	1135.7	1138.1	1132.9	1038.3	998.9	968.4	989.5	985.8	1067.4	1151.8	1149.7
55°	1258.9	1258.9	1261.0	1183.8	1145.2	1092.1	1128.5	1119.7	1194.0	1269.0	1266.9
57.5°	1397.3	1397.9	1404.5	1343.3	1310.5	1266.9	1291.0	1274.2	1321.4	1387.1	1380.4
60°	1536.3	1542.1	1562.5	1536.3	1494.1	1457.0	1490.4	1406.7	1464.1	1524.7	1515.1
62.5°	1679.7	1688.5	1719.0	1714.0	1668.8	1652.7	1680.4	1571.2	1647.8	1661.4	1652.1
65°	1845.7	1848.0	1890.8	1893.0	1825.4	1856.6	1847.2	1725.6	1833.4	1821.0	1819.4
67.5°	2029.9	2045.3	2084.4	2066.3	1976.0	2002.2	1987.0	1871.2	1984.0	1980.5	1973.8
70°	2255.6	2262.2	2293.6	2226.4	2097.0	2132.5	2089.5	1992.0	2147.0	2173.4	2166.8
72°	2294.9	2311.0	2342.3	2305.1	2186.5	2230.9	2138.3	2045.3	2198.2	2218.5	2209.0
72.5°	2284.7	2297.9	2334.2	2303.0	2197.3	2245.5	2144.3	2043.7	2184.9	2206.1	2194.5
75°	1991.4	1989.8	2073.6	2131.9	2169.6	2311.7	2115.8	1930.2	1949.1	1945.5	1927.3
77.5°	1267.6	1306.9	1419.1	1610.5	1892.3	2150.8	1874.9	1546.4	1385.5	1291.7	1251.6
80°	442.0	472.5	593.4	849.6	1320.0	1641.2	1313.5	853.3	567.9	441.2	435.4
82.5°	175.4	201.0	221.3	293.4	618.2	960.4	613.8	317.5	254.8	230.1	222.8
85°	139.1	142.7	157.3	167.4	224.2	310.2	272.2	192.1	179.1	160.8	157.3
87.5°	122.3	125.3	117.9	120.8	156.6	174.0	171.0	123.7	110.8	121.6	117.1
90°	128.2	129.5	118.7	120.2	158.7	178.4	165.3	116.5	115.1	127.4	123.1
92.5°	136.9	139.1	127.4	128.2	163.9	185.0	165.9	115.8	125.3	136.9	132.5
95°	112.1	115.1	107.0	110.0	142.7	165.3	147.9	103.3	111.4	133.3	128.8
97.5°	66.3	69.2	68.5	87.3	94.0	103.3	96.1	71.3	68.5	75.0	70.6
100°	11.7	14.6	30.6	57.5	53.2	45.2	49.4	44.5	29.1	15.4	10.9
102.5°	10.9	11.7	22.5	31.4	22.5	16.0	21.9	26.2	16.8	10.2	10.2
105°	10.9	11.7	12.3	13.1	7.2	6.6	9.4	15.4	10.2	10.2	10.2
107.5°	10.2	10.2	6.6	5.7	5.7	6.6	5.7	6.6	7.2	9.4	10.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	8.8	8.8	5.7	5.1	5.1	5.7	5.1	5.7	5.7	7.2	7.2
112.5°	6.6	6.6	4.4	4.4	4.4	5.1	4.4	4.4	5.1	5.7	5.7
115°	6.6	6.6	4.4	3.7	3.7	4.4	3.7	3.7	4.4	5.7	5.7
117.5°	5.7	5.7	3.7	3.0	3.0	3.0	3.0	3.0	4.4	5.7	5.7
120°	5.7	5.7	3.7	3.0	3.0	2.2	3.0	3.0	3.7	5.7	5.7
122.5°	5.7	5.7	3.7	2.2	2.2	2.2	2.2	3.0	3.7	5.1	5.7
125°	5.7	5.1	3.7	2.2	2.2	2.2	2.2	2.2	3.7	5.1	5.1
127.5°	5.1	5.1	3.7	2.2	2.2	1.4	1.4	2.2	3.0	4.4	5.1
130°	5.1	5.1	3.7	2.2	2.2	1.4	1.4	1.4	3.0	4.4	4.4
132.5°	4.4	4.4	3.0	1.4	1.4	1.4	1.4	1.4	2.2	3.7	3.7
135°	3.7	3.7	3.0	1.4	1.4	1.4	1.4	1.4	1.4	3.0	3.0
137.5°	3.7	3.7	3.0	2.2	1.4	1.4	1.4	1.4	1.4	2.2	2.2
140°	3.7	3.7	3.0	2.2	1.4	1.4	1.4	1.4	2.2	2.2	2.2
142.5°	3.7	3.7	3.0	2.2	1.4	1.4	1.4	1.4	2.2	2.2	2.2
145°	3.7	3.7	3.0	2.2	1.4	1.4	1.4	2.2	2.2	3.0	3.0
147.5°	3.7	3.7	3.0	2.2	1.4	0.7	1.4	2.2	3.0	3.0	3.0
150°	3.7	3.7	3.0	1.4	0.7	0.0	0.7	1.4	2.2	3.0	3.0
152.5°	3.0	3.0	2.2	0.7	0.7	0.0	0.0	0.7	2.2	2.2	2.2
155°	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
157.5°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)