

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: P254530

Luminaire Tested: **LXF.LXT-AF24-60-D-U-5WQ-CL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254530  
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-AF24-60-D-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 800mA 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: 6794.4 lumens  
Efficiency: N/A  
Efficacy: 106.2 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): 64  
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

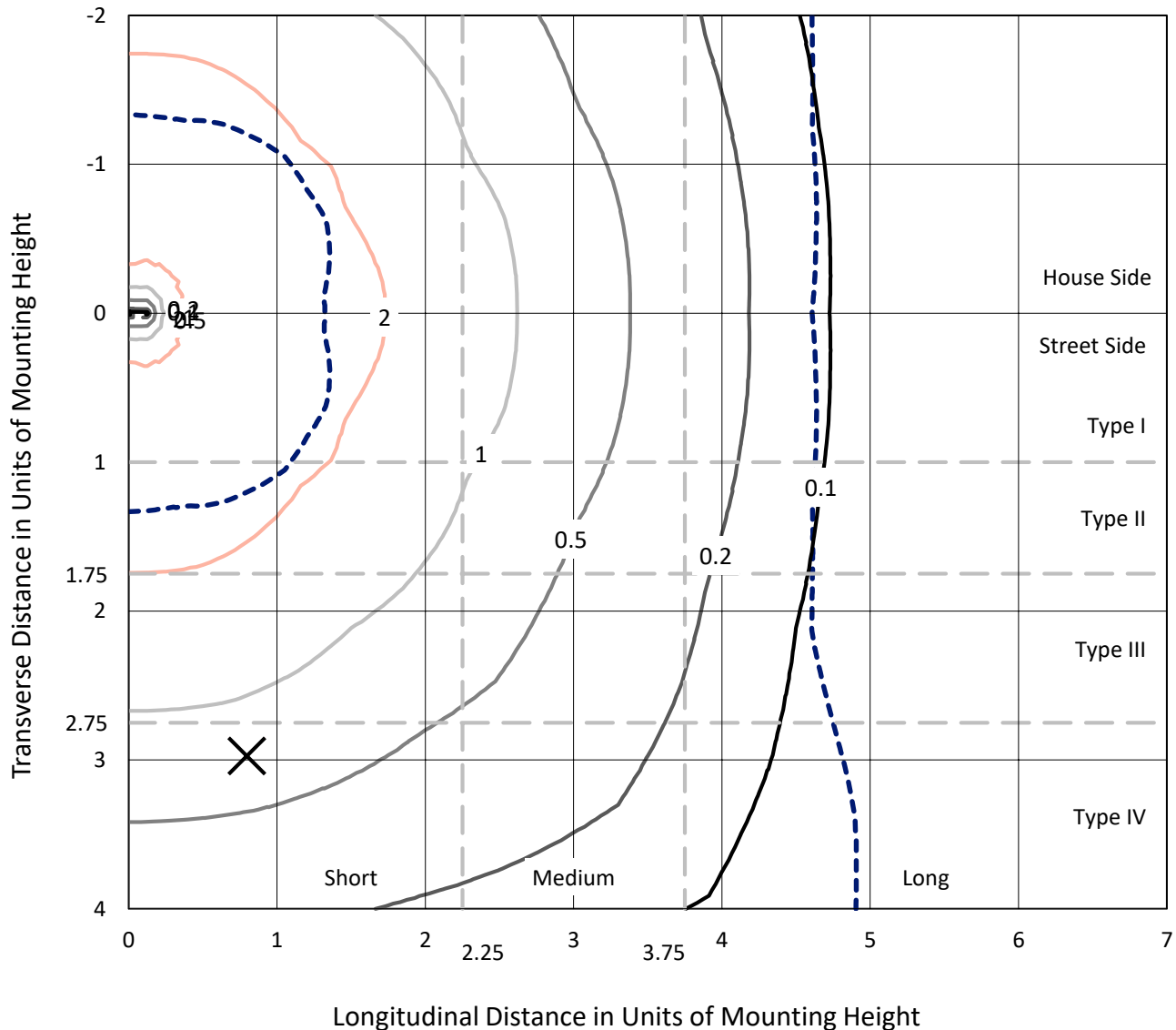


REPORT NUMBER: P254530

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-5WQ-CL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

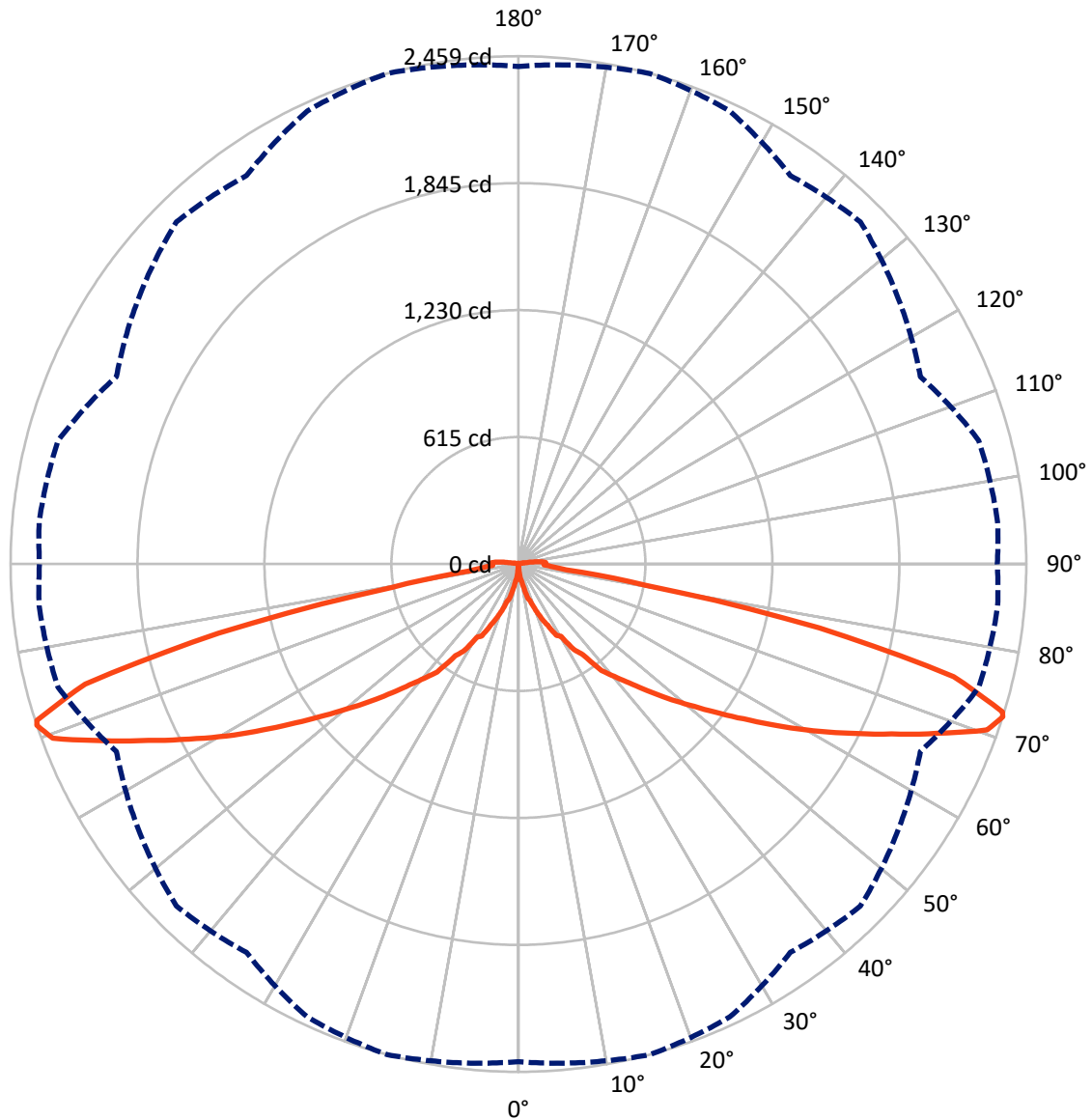


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc  
Type V - Short - Non-Cutoff

REPORT NUMBER: P254530

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-5WQ-CL

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-5WQ-CL

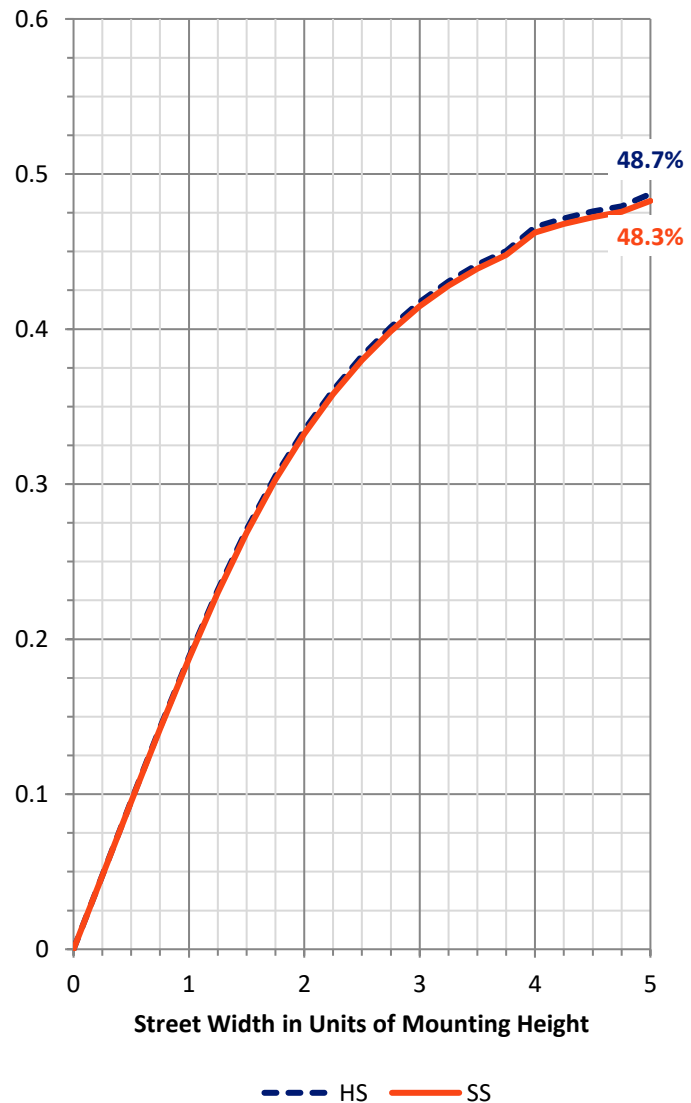
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3320.6	76.6	3397.2
	% Fixture	48.9	1.1	50.0
<b>Street Side</b>	Lumens	3320.6	76.6	3397.2
	% Fixture	48.9	1.1	50.0
<b>Total</b>	Lumens	6641.2	153.2	6794.4
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.0	0.0
10°-20°	40.9	0.6
20°-30°	153.8	2.3
30°-40°	347.7	5.1
40°-50°	631.7	9.3
50°-60°	1132.6	16.7
60°-70°	1914.4	28.2
70°-80°	2056.6	30.3
80°-90°	360.6	5.3
90°-100°	125.3	1.8
100°-110°	16.6	0.2
110°-120°	4.7	0.1
120°-130°	3.0	0.0
130°-140°	1.8	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°	6641.2	97.7
0°-180°	6794.4	100.0



REPORT NUMBER: P254530

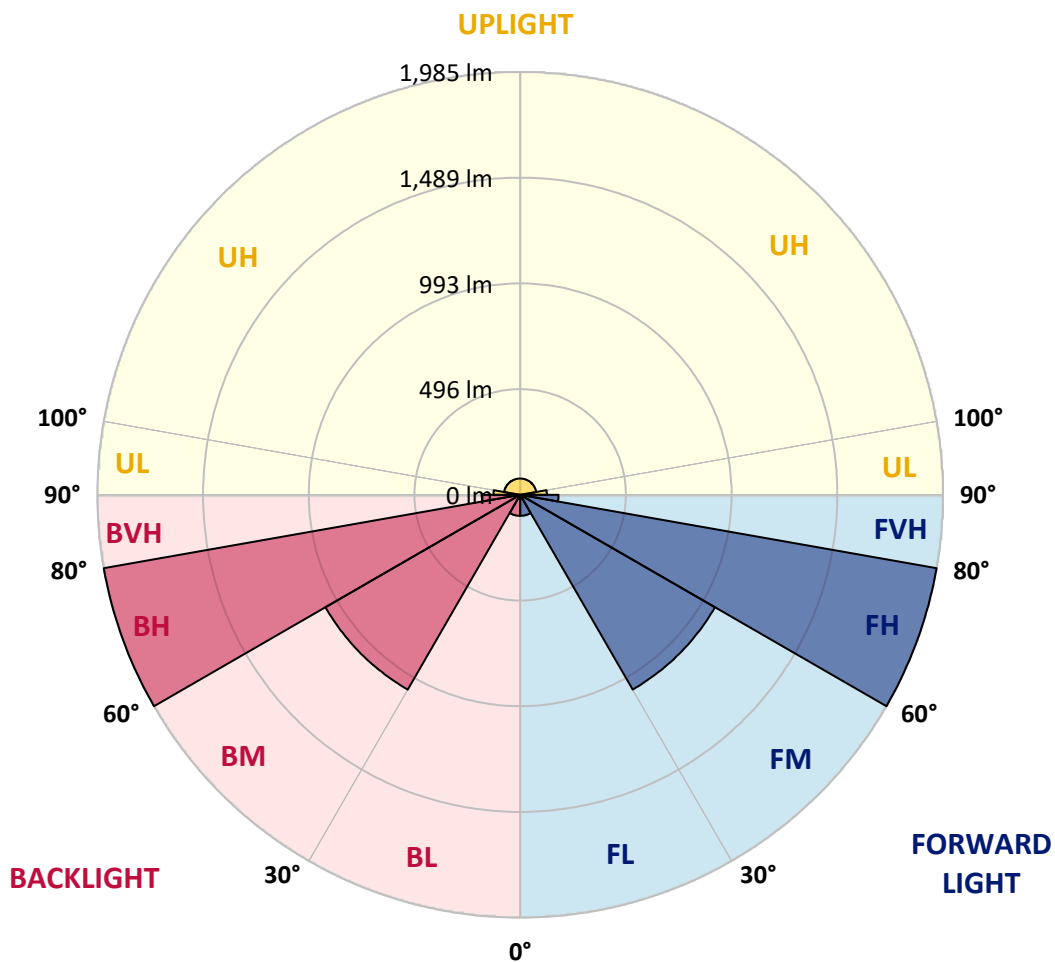
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	98.8	1.5			
FM (30°-60°)	1056.0	15.5			
FH (60°-80°)	1985.5	29.2			G2/5000
FVH (80°-90°)	180.3	2.7			G2/225
BL (0°-30°)	98.8	1.5	B0/110		
BM (30°-60°)	1056.0	15.5	B2/2500		
BH (60°-80°)	1985.5	29.2	B3/2500		G2/5000
BVH (80°-90°)	180.3	2.7			G2/225
UL (90°-100°)	125.3	1.8		U3/500	
UH (100°-180°)	76.6	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°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	6.1	6.1	6.1	5.3	5.3	5.3	5.3	4.6	5.3	5.3	5.3
5°	34.4	35.9	32.1	31.3	14.5	11.5	6.9	5.3	5.3	5.3	5.3
7.5°	77.2	77.2	74.9	67.3	49.7	41.3	22.9	8.4	6.1	5.3	5.3
10°	88.7	87.2	83.4	83.4	80.3	73.3	43.6	20.7	9.2	8.4	8.4
12.5°	134.5	134.5	123.1	113.1	89.4	81.0	68.8	48.9	50.4	81.0	92.5
15°	179.6	179.6	172.8	160.5	127.7	94.8	123.9	145.3	123.1	132.3	133.0
17.5°	199.6	198.8	189.6	178.9	165.1	182.0	172.1	166.6	145.3	146.0	149.0
20°	276.7	273.6	239.3	219.4	192.6	233.1	204.9	191.9	245.4	263.7	269.9
22.5°	295.8	293.6	284.4	266.1	278.2	250.0	252.3	277.5	282.1	291.2	293.6
25°	350.2	349.3	328.0	295.1	320.3	285.9	324.9	296.7	315.0	366.9	386.9
27.5°	399.9	398.3	390.7	353.2	337.9	370.8	346.3	385.3	425.9	437.3	446.4
30°	448.0	445.7	406.7	412.0	376.9	392.9	422.0	428.9	444.2	474.0	475.5
32.5°	525.2	519.9	493.9	458.7	448.8	420.4	453.4	454.9	561.1	616.2	629.2
35°	602.4	597.1	539.0	522.9	488.5	499.2	485.5	555.1	598.6	650.6	659.8
37.5°	703.4	698.0	654.4	578.7	545.1	529.8	565.0	593.2	630.8	700.3	699.5
40°	758.4	756.1	716.4	656.7	600.2	582.6	600.9	626.1	684.3	747.0	753.8
42.5°	824.1	818.8	787.5	717.9	670.4	643.7	639.9	689.6	751.5	818.1	819.5
45°	903.7	896.0	873.8	782.0	735.4	714.0	713.3	765.3	837.1	903.7	911.2
47.5°	993.1	986.2	971.7	864.6	819.5	792.0	809.6	842.5	915.8	995.3	1003.8
50°	1089.4	1085.6	1073.4	970.9	933.4	889.1	909.0	929.7	1017.5	1093.9	1096.3
52.5°	1192.6	1194.9	1189.6	1090.2	1048.8	1016.8	1038.9	1035.1	1120.7	1209.4	1207.1
55°	1321.9	1321.9	1324.1	1243.1	1202.6	1146.7	1185.0	1175.8	1253.7	1332.5	1330.2
57.5°	1467.0	1467.8	1474.7	1410.4	1376.1	1330.2	1355.4	1337.8	1387.5	1456.4	1449.5
60°	1613.1	1619.2	1640.6	1613.1	1568.7	1529.7	1564.9	1477.0	1537.4	1600.8	1590.9
62.5°	1763.7	1772.9	1805.0	1799.6	1752.2	1735.4	1764.5	1649.8	1730.0	1744.5	1734.6
65°	1938.0	1940.2	1985.3	1987.7	1916.6	1949.4	1939.5	1811.9	1925.0	1912.0	1910.5
67.5°	2131.4	2147.5	2188.7	2169.6	2074.9	2102.4	2086.3	1964.8	2083.2	2079.5	2072.5
70°	2368.4	2375.3	2408.1	2337.9	2201.7	2239.2	2194.1	2091.6	2254.5	2282.0	2275.1
72°	2409.7	2426.5	2459.4	2420.4	2295.8	2342.4	2245.3	2147.5	2308.0	2329.4	2319.4
72.5°	2399.0	2412.7	2451.0	2418.1	2307.3	2357.7	2251.4	2145.9	2294.3	2316.4	2304.2
75°	2090.9	2089.4	2177.2	2238.4	2278.2	2427.3	2221.6	2026.7	2046.5	2042.7	2023.6
77.5°	1331.0	1372.3	1490.0	1691.0	1986.9	2258.3	1968.6	1623.7	1454.8	1356.2	1314.2
80°	464.0	496.1	623.1	892.1	1386.0	1723.2	1379.1	896.0	596.3	463.3	457.2
82.5°	184.2	211.0	232.4	308.1	649.1	1008.3	644.5	333.3	267.6	241.6	233.9
85°	146.0	149.9	165.1	175.8	235.5	325.7	285.9	201.8	188.0	169.0	165.1
87.5°	128.5	131.4	123.9	126.9	164.4	182.7	179.6	129.9	116.2	127.7	123.1
90°	134.5	136.1	124.6	126.1	166.6	187.3	173.5	122.3	120.8	133.8	129.2
92.5°	143.7	146.0	133.8	134.5	172.1	194.2	174.3	121.5	131.4	143.7	139.1
95°	117.7	120.8	112.4	115.4	149.9	173.5	155.2	108.5	116.9	139.9	135.3
97.5°	69.6	72.6	71.8	91.8	98.6	108.5	100.9	74.9	71.8	78.8	74.2
100°	12.3	15.2	32.1	60.4	55.9	47.4	52.0	46.6	30.6	16.1	11.5
102.5°	11.5	12.3	23.7	32.8	23.7	16.8	22.9	27.5	17.6	10.7	10.7
105°	11.5	12.3	13.0	13.8	7.7	6.9	9.9	16.1	10.7	10.7	10.7
107.5°	10.7	10.7	6.9	6.1	6.1	6.9	6.1	6.9	7.7	9.9	10.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	9.2	9.2	6.1	5.3	5.3	6.1	5.3	6.1	6.1	7.7	7.7
112.5°	6.9	6.9	4.6	4.6	4.6	5.3	4.6	4.6	5.3	6.1	6.1
115°	6.9	6.9	4.6	3.8	3.8	4.6	3.8	3.8	4.6	6.1	6.1
117.5°	6.1	6.1	3.8	3.1	3.1	3.1	3.1	3.1	4.6	6.1	6.1
120°	6.1	6.1	3.8	3.1	3.1	2.3	3.1	3.1	3.8	6.1	6.1
122.5°	6.1	6.1	3.8	2.3	2.3	2.3	2.3	3.1	3.8	5.3	6.1
125°	6.1	5.3	3.8	2.3	2.3	2.3	2.3	2.3	3.8	5.3	5.3
127.5°	5.3	5.3	3.8	2.3	2.3	1.5	1.5	2.3	3.1	4.6	5.3
130°	5.3	5.3	3.8	2.3	2.3	1.5	1.5	1.5	3.1	4.6	4.6
132.5°	4.6	4.6	3.1	1.5	1.5	1.5	1.5	1.5	2.3	3.8	3.8
135°	3.8	3.8	3.1	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1
137.5°	3.8	3.8	3.1	2.3	1.5	1.5	1.5	1.5	1.5	2.3	2.3
140°	3.8	3.8	3.1	2.3	1.5	1.5	1.5	1.5	2.3	2.3	2.3
142.5°	3.8	3.8	3.1	2.3	1.5	1.5	1.5	1.5	2.3	2.3	2.3
145°	3.8	3.8	3.1	2.3	1.5	1.5	1.5	2.3	2.3	3.1	3.1
147.5°	3.8	3.8	3.1	2.3	1.5	0.7	1.5	2.3	3.1	3.1	3.1
150°	3.8	3.8	3.1	1.5	0.7	0.0	0.7	1.5	2.3	3.1	3.1
152.5°	3.1	3.1	2.3	0.7	0.7	0.0	0.0	0.7	2.3	2.3	2.3
155°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
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)