

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: P266114

Luminaire Tested: **LXF.LXT-AF24-60-D-U-5WQ-TL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266114  
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-AF24-60-D-U-5WQ-TL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 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: 5789.7 lumens  
Efficiency: N/A  
Efficacy: 90.5 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 (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

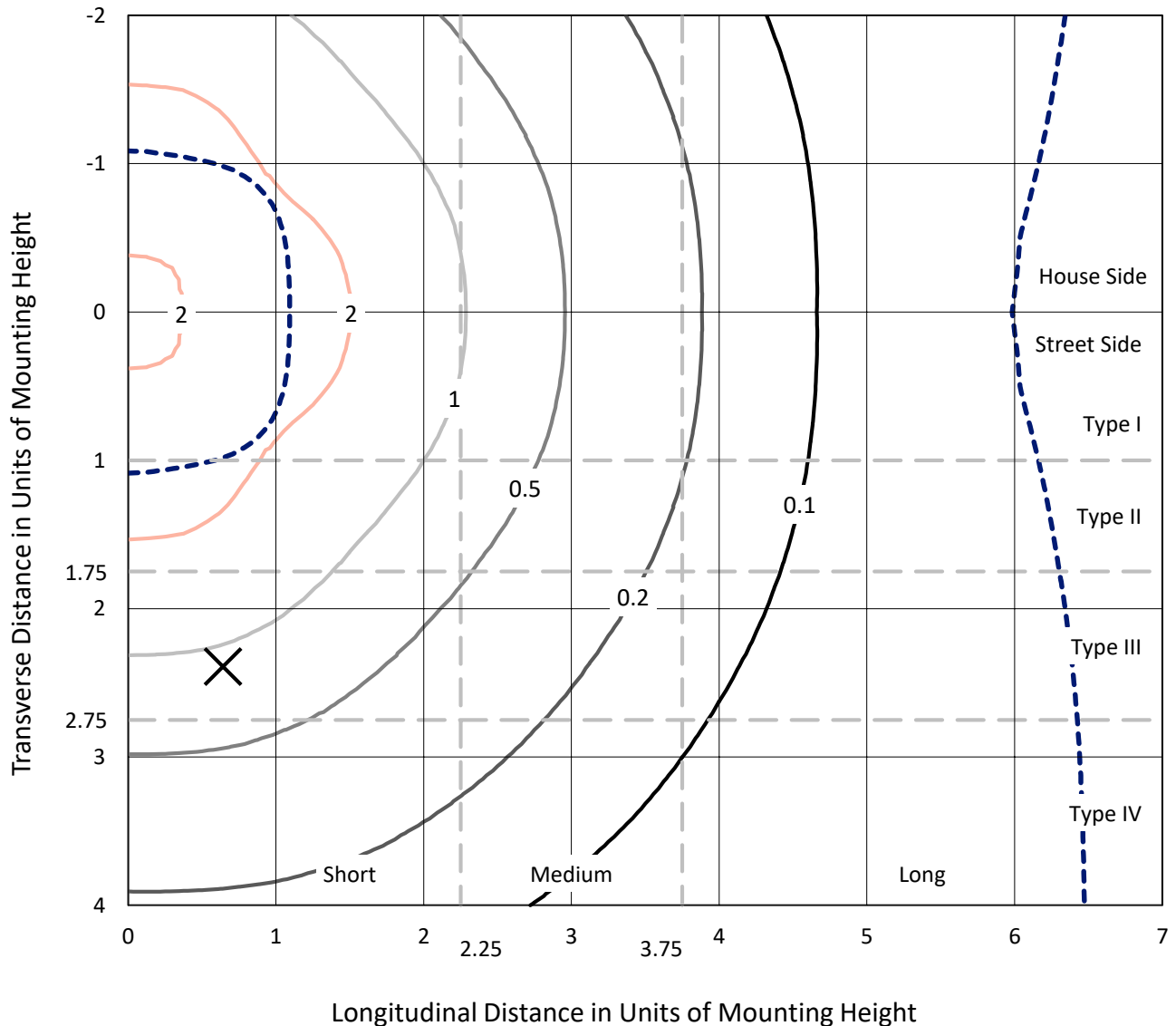


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

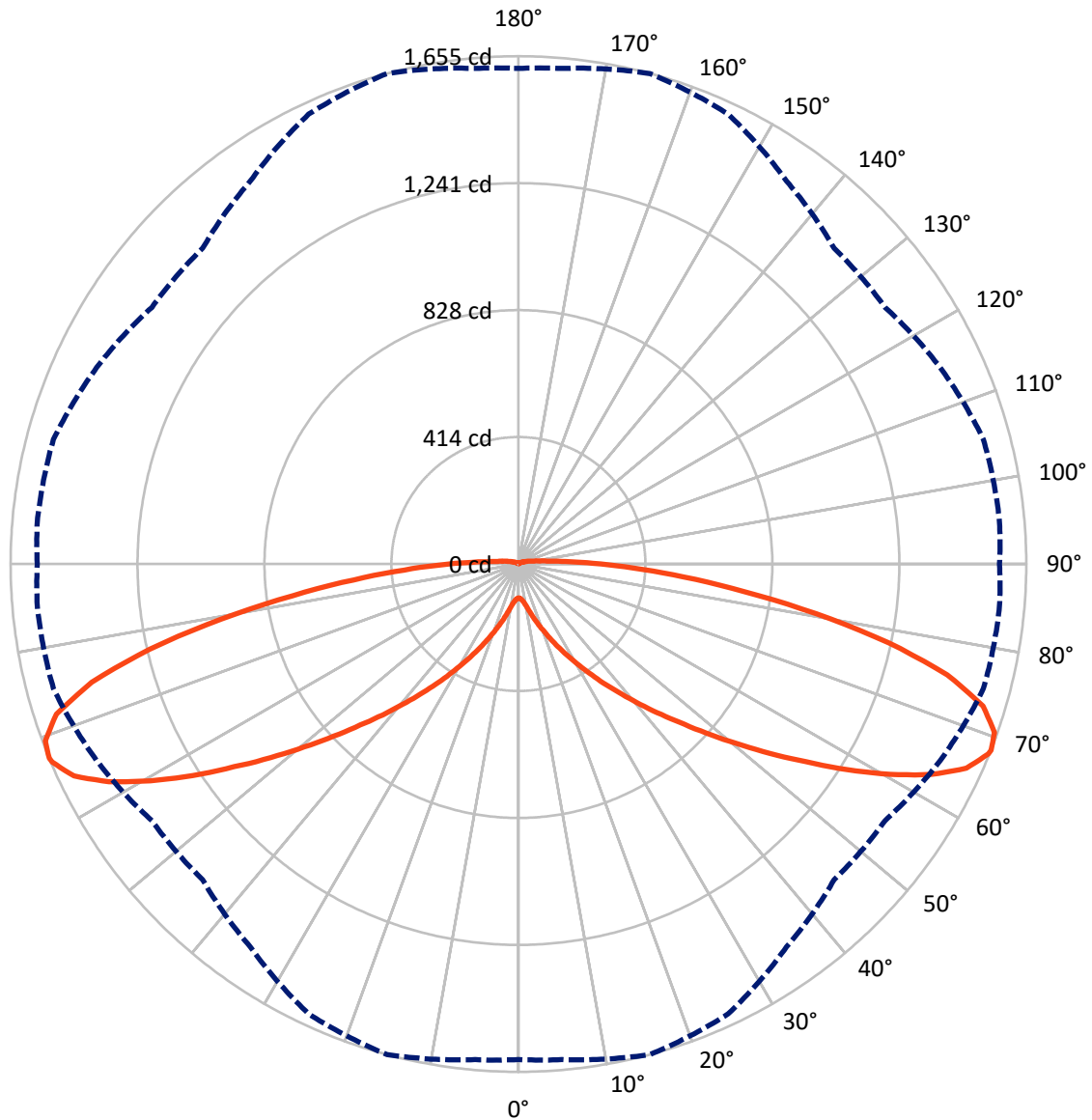


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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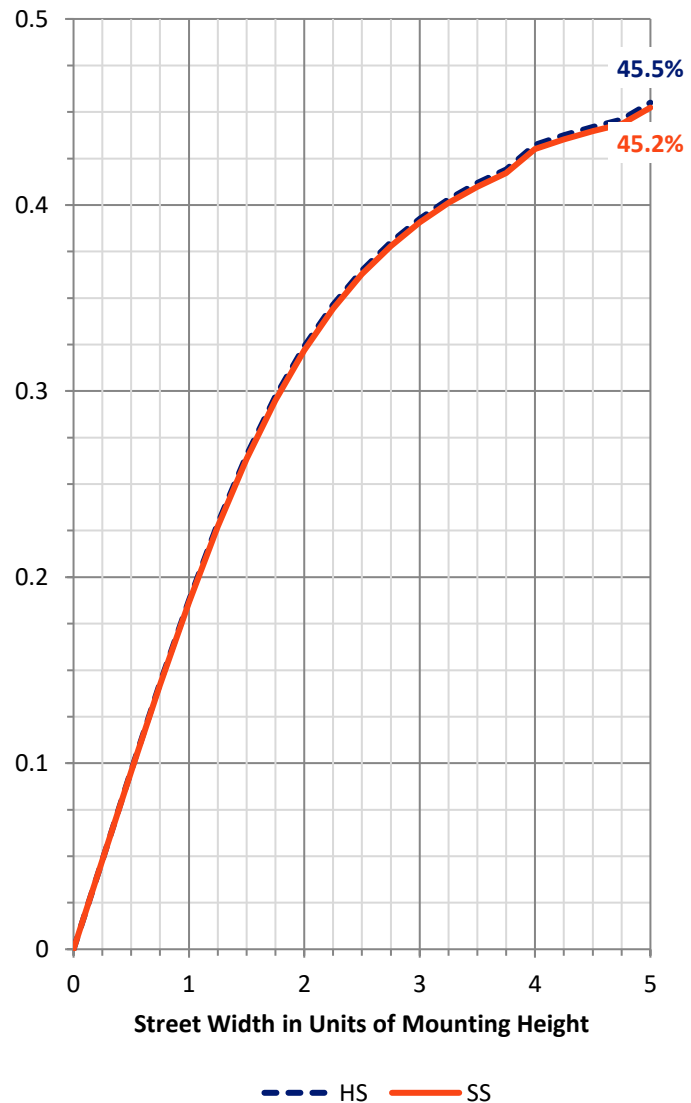
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2779.0	115.9	2894.9
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	2779.0	115.9	2894.9
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	5558.0	231.7	5789.7
	% Fixture	96.0	4.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.9	0.2
10°-20°	52.9	0.9
20°-30°	139.5	2.4
30°-40°	292.8	5.1
40°-50°	549.8	9.5
50°-60°	971.4	16.8
60°-70°	1465.1	25.3
70°-80°	1420.1	24.5
80°-90°	654.5	11.3
90°-100°	155.7	2.7
100°-110°	43.5	0.8
110°-120°	18.3	0.3
120°-130°	8.2	0.1
130°-140°	3.9	0.1
140°-150°	1.6	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5558.0	96.0
0°-180°	5789.7	100.0



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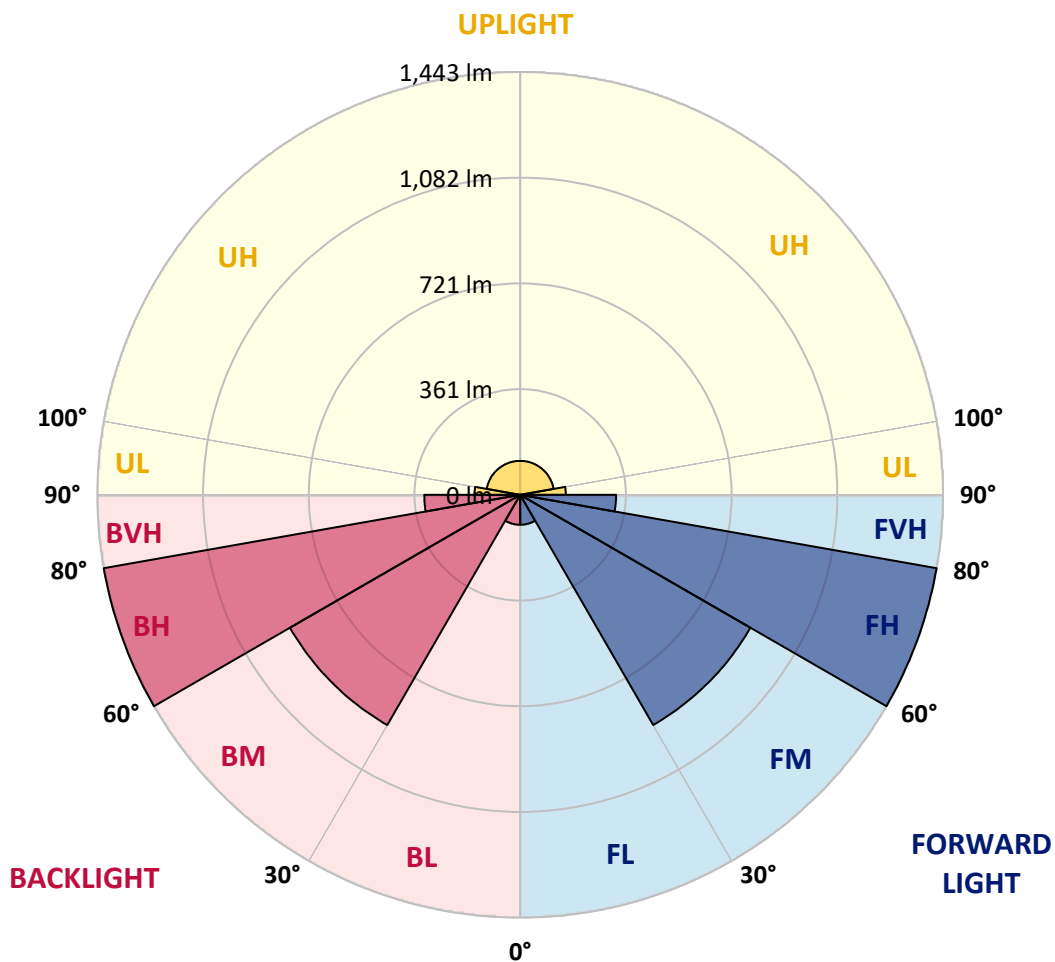
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.2	1.8			
FM (30°-60°)	907.0	15.7			
FH (60°-80°)	1442.6	24.9			G1/1800
FVH (80°-90°)	327.3	5.7			G3/500
BL (0°-30°)	102.2	1.8	B0/110		
BM (30°-60°)	907.0	15.7	B1/1000		
BH (60°-80°)	1442.6	24.9	B3/2500		G1/1800
BVH (80°-90°)	327.3	5.7			G3/500
UL (90°-100°)	155.7	2.7		U3/500	
UH (100°-180°)	115.9	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°	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4
2.5°	112.4	112.4	112.4	112.4	112.4	112.9	112.4	112.4	112.4	112.4	112.4
5°	116.9	116.9	116.9	117.5	117.5	117.5	117.5	117.5	117.5	118.1	117.5
7.5°	125.4	125.4	125.4	125.4	125.4	125.4	125.9	126.7	126.7	127.3	127.3
10°	138.2	138.2	137.7	137.7	137.7	138.2	138.2	139.5	140.2	142.2	141.6
12.5°	158.5	158.5	157.2	155.9	155.1	154.6	155.9	158.5	160.3	163.6	163.0
15°	181.2	181.2	179.9	178.0	177.2	176.5	177.2	180.5	183.8	186.9	186.4
17.5°	206.5	205.8	204.5	201.9	201.9	201.3	201.3	204.5	208.4	213.0	213.0
20°	234.4	233.1	231.1	227.9	227.9	227.4	227.9	230.5	236.3	241.6	241.6
22.5°	266.2	264.9	262.3	259.2	257.2	255.8	256.5	260.4	267.5	274.6	275.3
25°	301.9	299.9	297.3	293.4	288.3	285.8	287.0	293.4	302.5	311.7	309.7
27.5°	339.6	338.9	335.1	329.1	321.5	317.6	320.8	328.6	339.6	349.4	350.0
30°	383.8	381.8	376.6	367.5	359.1	351.2	354.6	364.9	379.9	392.9	393.5
32.5°	429.8	429.2	423.3	410.3	396.2	389.0	392.2	407.1	424.7	437.7	440.2
35°	483.1	481.9	475.4	458.5	440.2	430.5	433.7	451.9	473.3	489.5	491.0
37.5°	541.6	538.3	530.4	510.3	487.1	475.4	478.5	499.4	525.2	541.6	545.5
40°	602.0	601.2	592.3	568.7	540.2	524.0	529.2	552.5	582.5	600.6	603.2
42.5°	672.0	670.8	661.6	634.5	599.3	580.6	586.4	614.4	646.7	664.9	668.2
45°	746.1	747.4	735.1	708.5	667.5	646.2	650.0	681.9	717.4	740.3	742.8
47.5°	831.8	829.9	822.7	789.6	742.8	718.1	722.6	757.8	800.0	821.4	822.7
50°	922.0	920.1	917.4	883.0	829.1	803.9	806.5	844.8	887.6	909.8	915.6
52.5°	1022.7	1023.3	1024.6	987.0	926.6	892.1	898.0	941.6	987.0	1007.1	1012.3
55°	1134.4	1135.0	1137.7	1099.3	1031.2	992.8	1000.0	1048.1	1096.7	1116.9	1118.7
57.5°	1258.3	1255.1	1265.5	1220.1	1145.3	1101.2	1109.0	1159.1	1210.9	1230.5	1234.5
60°	1382.4	1377.9	1392.2	1346.6	1261.0	1212.9	1216.8	1275.2	1331.1	1343.4	1351.9
62.5°	1487.7	1492.2	1510.9	1464.9	1370.0	1311.6	1318.2	1377.2	1439.5	1451.9	1453.8
65°	1570.1	1576.5	1604.6	1556.5	1462.4	1392.2	1401.3	1462.4	1526.6	1532.4	1531.2
67.5°	1613.5	1619.5	1651.3	1611.6	1516.2	1447.3	1452.5	1511.7	1566.1	1572.0	1566.1
68°	1614.9	1621.4	1655.1	1617.5	1523.3	1455.2	1458.4	1516.2	1568.8	1574.0	1568.1
70°	1595.4	1611.0	1646.1	1618.1	1529.9	1466.2	1466.8	1513.6	1563.6	1559.6	1554.4
72.5°	1520.1	1533.6	1583.1	1571.3	1497.4	1442.8	1435.0	1467.6	1496.7	1485.6	1482.5
75°	1366.9	1379.8	1443.4	1456.4	1414.9	1375.2	1356.4	1366.9	1366.2	1346.1	1338.3
77.5°	1144.8	1162.9	1233.1	1281.2	1267.5	1251.2	1219.4	1203.9	1174.7	1133.8	1120.7
80°	889.6	907.7	983.7	1050.6	1077.8	1079.9	1050.6	998.6	940.3	884.4	873.3
82.5°	659.7	678.5	742.2	825.4	861.0	881.7	849.3	782.5	716.8	655.1	644.2
85°	461.0	474.7	539.0	606.4	658.4	681.2	645.4	588.3	522.0	468.8	458.5
87.5°	314.2	322.0	372.6	440.2	488.9	511.0	480.6	424.7	363.6	314.9	303.8
90°	199.3	204.5	242.3	298.6	348.1	367.5	343.5	294.9	238.9	199.3	192.1
92.5°	122.1	124.7	152.6	198.0	239.6	261.6	240.2	196.8	151.3	122.7	118.8
95°	79.9	81.8	98.1	127.3	161.7	178.0	163.6	131.2	100.6	81.8	79.2
97.5°	59.1	60.4	70.2	85.7	106.4	118.8	109.1	89.7	72.0	60.4	58.4
100°	46.2	46.7	53.2	63.1	74.6	81.8	76.6	65.5	54.5	46.2	45.5
102.5°	37.0	37.0	42.8	49.9	57.1	61.1	57.9	51.9	42.8	36.3	35.8
105°	29.3	29.9	34.5	41.0	46.2	48.7	46.7	42.2	34.5	28.6	27.8
107.5°	23.4	23.4	27.8	33.7	38.9	41.0	38.9	35.0	27.3	22.7	22.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	18.1	18.9	22.1	27.8	32.5	34.5	32.5	28.6	22.1	18.1	17.5
112.5°	14.9	14.9	17.5	22.7	27.3	28.6	27.3	22.7	17.5	14.4	14.4
115°	12.3	12.3	14.4	18.9	22.7	24.1	22.7	18.9	14.4	11.7	11.7
117.5°	10.4	11.0	12.3	15.6	18.9	19.5	18.9	15.6	11.7	10.4	9.7
120°	9.2	9.7	10.4	12.9	15.6	16.2	14.9	12.3	9.7	9.2	8.4
122.5°	8.4	8.4	9.2	10.4	12.9	13.7	12.3	10.4	8.4	7.7	7.7
125°	7.7	7.7	7.7	9.2	10.4	11.0	10.4	8.4	7.1	7.1	7.1
127.5°	7.1	7.1	7.1	7.7	9.2	9.2	8.4	7.1	6.5	6.5	6.5
130°	6.5	6.5	6.5	6.5	7.1	7.7	7.1	6.5	5.8	5.8	5.8
132.5°	5.8	5.8	5.8	5.8	5.8	6.5	5.8	5.2	5.2	5.2	5.2
135°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.5	4.5	4.5	4.5
137.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.5	4.5
140°	4.0	4.0	4.0	4.0	3.2	3.2	3.2	3.2	4.0	4.0	4.0
142.5°	4.0	4.0	3.2	3.2	2.5	2.5	2.5	2.5	3.2	3.2	3.2
145°	3.2	3.2	2.5	2.5	2.5	1.9	1.9	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	1.9	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.9
152.5°	1.3	1.3	1.3	1.3	1.3	0.7	1.3	1.3	1.3	1.3	1.3
155°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	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)