

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: P254792

Luminaire Tested: **LXF.LXT-AF24-70-D-U-5WQ-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254792  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)  
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-FL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7086.6 lumens  
Efficiency: N/A  
Efficacy: 95.8 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): 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

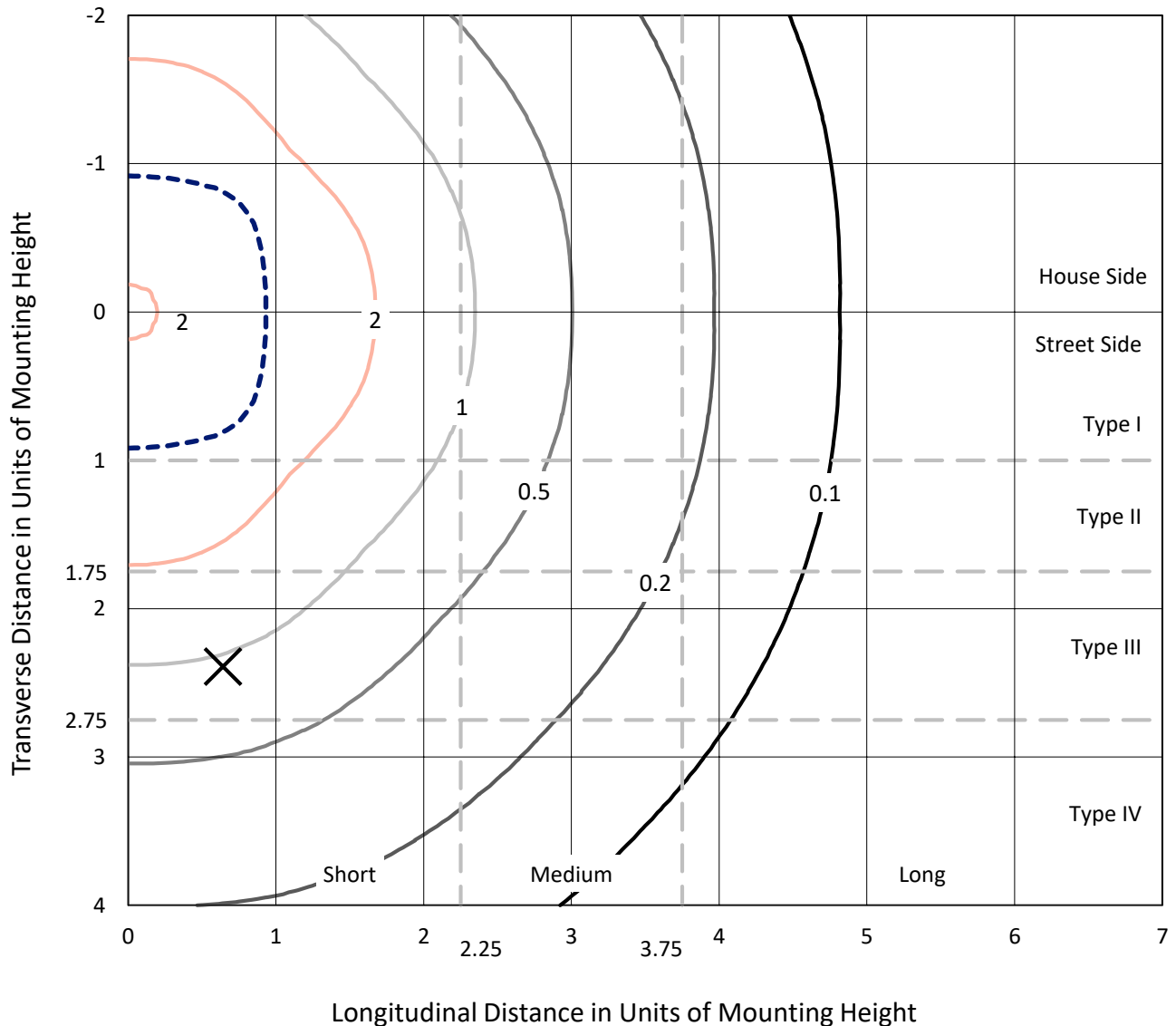


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

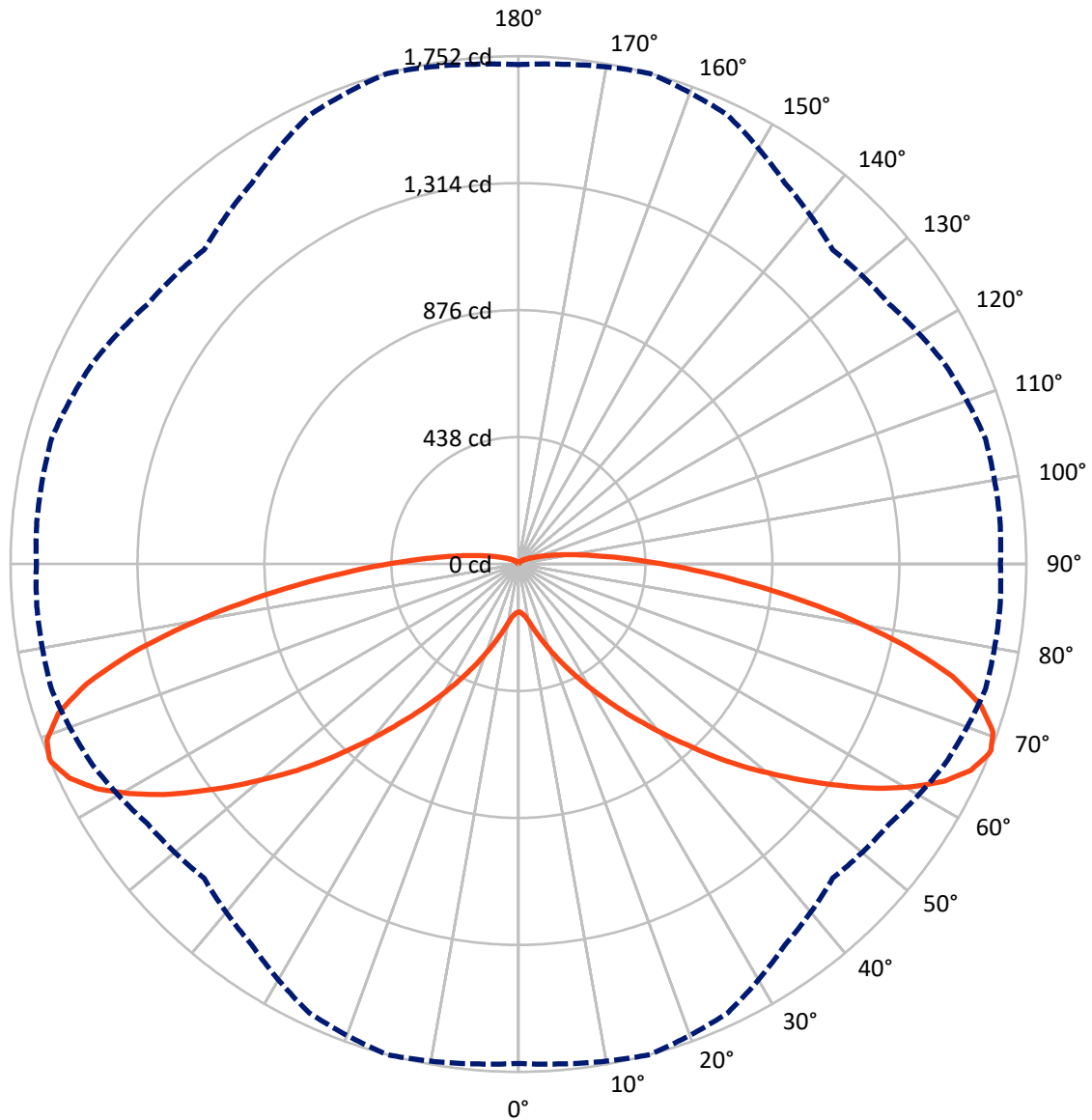


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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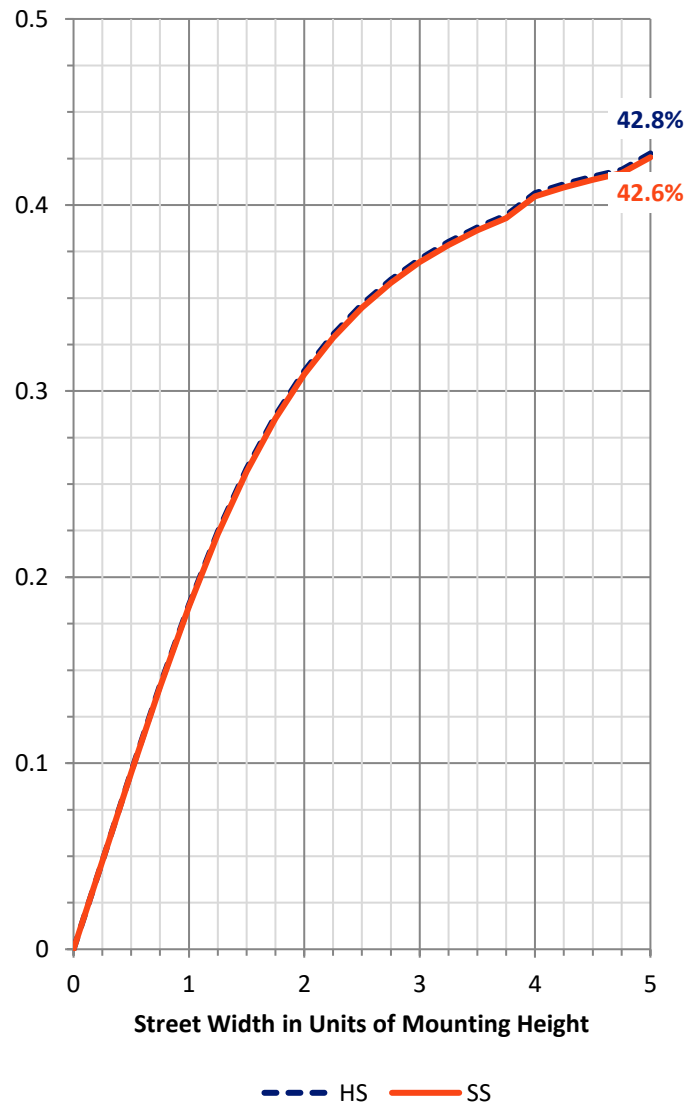
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3247.0	296.3	3543.3
	% Fixture	45.8	4.2	50.0
<b>Street Side</b>	Lumens	3247.0	296.3	3543.3
	% Fixture	45.8	4.2	50.0
<b>Total</b>	Lumens	6494.0	592.6	7086.6
	% Fixture	91.6	8.4	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.4	0.2
10°-20°	72.7	1.0
20°-30°	185.2	2.6
30°-40°	384.8	5.4
40°-50°	702.3	9.9
50°-60°	1147.2	16.2
60°-70°	1582.6	22.3
70°-80°	1529.1	21.6
80°-90°	872.6	12.3
90°-100°	351.3	5.0
100°-110°	137.9	1.9
110°-120°	59.8	0.8
120°-130°	27.4	0.4
130°-140°	12.0	0.2
140°-150°	3.8	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6494.0	91.6
0°-180°	7086.6	100.0



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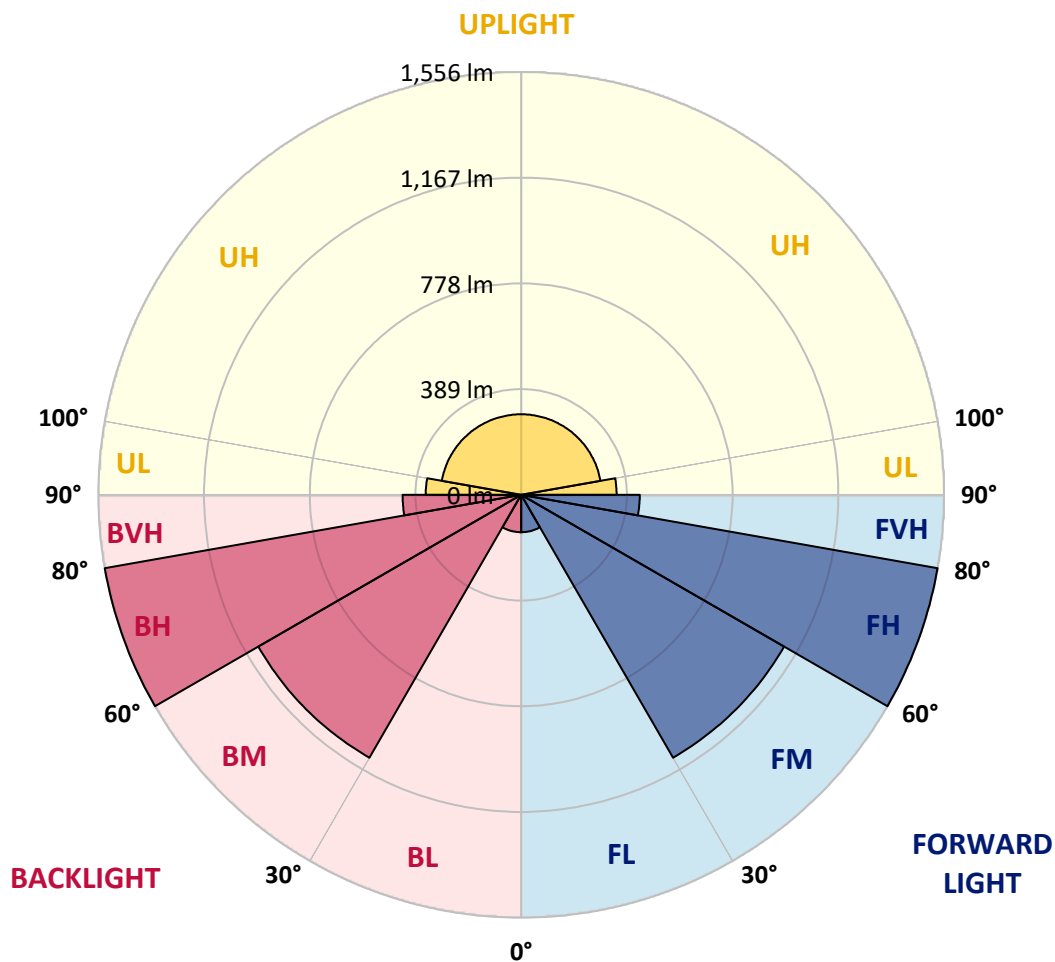
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.7	1.9			
FM (30°-60°)	1117.2	15.8			
FH (60°-80°)	1555.8	22.0			G1/1800
FVH (80°-90°)	436.3	6.2			G3/500
BL (0°-30°)	137.7	1.9	B1/500		
BM (30°-60°)	1117.2	15.8	B2/2500		
BH (60°-80°)	1555.8	22.0	B3/2500		G1/1800
BVH (80°-90°)	436.3	6.2			G3/500
UL (90°-100°)	351.3	5.0		U3/500	
UH (100°-180°)	296.3	4.2		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°	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3	165.3
2.5°	167.7	167.7	167.7	167.7	167.7	167.7	167.7	167.7	166.9	166.9	166.9
5°	173.4	174.3	174.3	174.3	174.3	174.3	174.3	173.4	173.4	173.4	173.4
7.5°	184.7	184.7	184.7	184.7	184.7	184.0	184.0	184.0	183.1	183.1	182.4
10°	202.5	202.5	202.5	201.8	201.0	200.2	200.2	199.4	198.6	198.6	197.8
12.5°	226.1	226.1	226.1	222.1	221.2	219.6	219.6	219.6	220.4	220.4	221.2
15°	254.5	254.5	254.5	249.6	246.4	242.3	243.9	244.7	246.4	246.4	247.2
17.5°	287.0	287.0	285.2	280.5	275.6	273.1	271.5	273.9	275.6	277.2	277.2
20°	322.6	322.6	320.1	313.7	308.7	307.1	305.5	305.5	309.6	311.2	309.6
22.5°	363.1	361.4	359.8	351.7	346.9	342.8	342.8	342.0	346.9	350.0	349.3
25°	409.2	407.6	402.8	393.9	388.2	383.4	382.5	382.5	390.6	395.5	394.7
27.5°	459.6	457.1	450.5	440.9	432.0	425.4	426.3	429.5	436.8	445.8	445.8
30°	514.6	513.0	502.5	492.8	478.1	470.1	471.7	480.6	490.3	500.1	500.9
32.5°	575.5	572.2	560.1	547.1	529.3	518.7	521.9	532.4	547.1	561.6	562.4
35°	642.7	639.5	624.9	607.1	584.3	570.6	575.5	591.6	611.1	628.1	628.9
37.5°	715.6	710.7	692.9	674.3	643.5	627.2	635.4	656.4	679.1	698.6	701.0
40°	790.2	790.2	770.8	745.5	708.3	688.9	697.8	726.1	755.3	773.1	777.3
42.5°	873.6	874.5	852.6	822.6	778.8	756.2	766.7	799.9	835.7	855.1	859.1
45°	961.2	963.6	947.4	905.3	855.1	827.4	839.6	881.7	921.5	941.7	945.0
47.5°	1055.2	1058.5	1043.1	994.5	936.9	906.9	919.9	967.7	1013.9	1033.4	1036.6
50°	1154.9	1157.3	1138.7	1090.9	1026.1	989.6	1005.7	1059.3	1107.2	1126.6	1131.4
52.5°	1257.8	1260.3	1242.4	1194.6	1119.3	1078.7	1098.2	1154.1	1207.6	1224.6	1225.5
55°	1361.6	1364.7	1349.4	1297.6	1216.5	1170.2	1192.1	1251.3	1308.9	1325.1	1329.9
57.5°	1463.6	1467.0	1460.5	1402.2	1315.4	1262.7	1287.8	1352.6	1409.3	1422.3	1423.1
60°	1559.3	1565.0	1560.1	1502.6	1408.6	1351.0	1377.8	1445.8	1502.6	1513.1	1514.8
62.5°	1643.6	1646.9	1649.3	1597.4	1491.3	1428.8	1458.8	1529.3	1584.5	1591.0	1590.2
65°	1701.1	1707.6	1715.7	1665.4	1558.5	1491.3	1522.0	1591.0	1641.9	1646.9	1643.6
67.5°	1723.0	1732.0	1749.8	1705.2	1599.9	1529.3	1559.3	1623.4	1667.1	1669.5	1663.9
68°	1723.0	1731.1	1752.2	1708.5	1603.9	1533.4	1562.5	1625.8	1668.0	1668.0	1663.0
70°	1697.9	1709.3	1736.7	1703.6	1604.7	1536.6	1561.8	1616.1	1651.7	1645.2	1637.9
72.5°	1618.4	1631.5	1668.7	1648.5	1567.5	1506.6	1524.5	1564.1	1580.4	1567.5	1560.1
75°	1480.7	1494.4	1545.6	1542.3	1484.8	1434.5	1445.1	1462.9	1462.9	1438.5	1425.7
77.5°	1307.3	1320.2	1370.4	1390.8	1363.2	1325.9	1325.9	1321.8	1301.6	1261.1	1249.7
80°	1101.5	1112.8	1166.3	1209.2	1204.4	1183.3	1173.6	1147.5	1111.9	1067.4	1051.2
82.5°	895.6	907.7	959.7	1003.3	1031.7	1023.6	1006.6	966.1	913.4	863.9	854.2
85°	709.9	714.0	768.3	824.3	856.7	859.9	842.1	790.2	735.9	687.2	675.9
87.5°	553.5	559.2	603.7	660.5	700.3	703.5	685.6	632.9	580.2	536.6	526.8
90°	425.4	434.5	470.1	521.1	559.2	567.3	549.5	502.5	453.0	413.3	405.3
92.5°	328.3	333.9	365.5	409.2	444.1	454.6	438.4	397.1	354.2	319.4	316.1
95°	257.8	259.4	284.5	321.8	350.9	364.7	349.3	314.4	277.2	248.8	245.7
97.5°	199.4	202.5	222.9	254.5	281.3	290.2	278.8	249.6	218.8	192.1	189.7
100°	154.8	157.3	175.1	203.4	225.3	233.4	224.5	200.2	171.9	150.8	150.8
102.5°	123.1	124.0	138.5	162.1	180.0	187.2	180.8	160.5	136.1	119.1	119.9
105°	98.9	98.9	110.3	131.3	148.3	153.2	147.5	129.7	108.6	95.6	95.6
107.5°	79.4	80.2	89.1	107.0	122.4	127.3	122.4	106.2	87.5	77.8	77.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	65.7	65.7	72.1	87.5	101.3	106.2	101.3	86.8	71.3	63.3	63.3
112.5°	54.3	54.3	59.1	72.1	84.2	89.1	84.2	71.3	58.4	52.7	52.7
115°	46.2	46.2	49.3	60.0	70.5	74.6	70.5	60.0	48.6	45.4	45.4
117.5°	39.7	39.7	42.2	50.3	59.1	63.3	59.1	49.3	41.3	38.9	38.9
120°	34.9	34.9	35.6	41.3	49.3	52.7	49.3	41.3	34.9	33.3	33.3
122.5°	29.9	29.9	29.9	34.9	41.3	43.8	40.5	34.9	29.9	29.2	29.2
125°	26.8	25.9	26.8	29.2	34.1	37.2	34.1	29.2	25.9	25.9	25.9
127.5°	23.5	23.5	22.7	24.4	28.4	29.9	28.4	24.4	22.7	22.7	22.7
130°	20.2	20.2	20.2	21.1	22.7	24.4	23.5	21.1	20.2	20.2	20.2
132.5°	17.8	17.8	17.1	17.8	18.7	19.4	18.7	17.1	17.1	17.8	17.8
135°	15.4	15.4	15.4	14.6	14.6	15.4	14.6	14.6	15.4	15.4	15.4
137.5°	13.7	13.7	13.0	12.1	11.4	11.4	11.4	12.1	13.0	13.0	13.7
140°	11.4	11.4	10.5	9.8	9.0	9.0	9.0	9.8	10.5	11.4	11.4
142.5°	9.8	9.8	9.0	7.3	6.4	5.7	6.4	7.3	8.0	9.0	9.0
145°	7.3	7.3	6.4	5.7	4.9	4.1	4.1	5.7	6.4	7.3	7.3
147.5°	5.7	5.7	4.9	4.1	3.3	2.4	2.4	4.1	4.9	5.7	5.7
150°	4.1	4.1	3.3	2.4	1.6	1.6	1.6	2.4	3.3	3.3	4.1
152.5°	2.4	2.4	1.6	1.6	0.8	0.8	0.8	1.6	1.6	2.4	2.4
155°	0.8	1.6	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.6	1.6
157.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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)