

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: P254250

Luminaire Tested: **LXF.LXT-AF24-50-D-U-5WQ-A-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254250  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-18)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-50-D-U-5WQ-A-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5533.9 lumens  
Efficiency: N/A  
Efficacy: 102.5 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

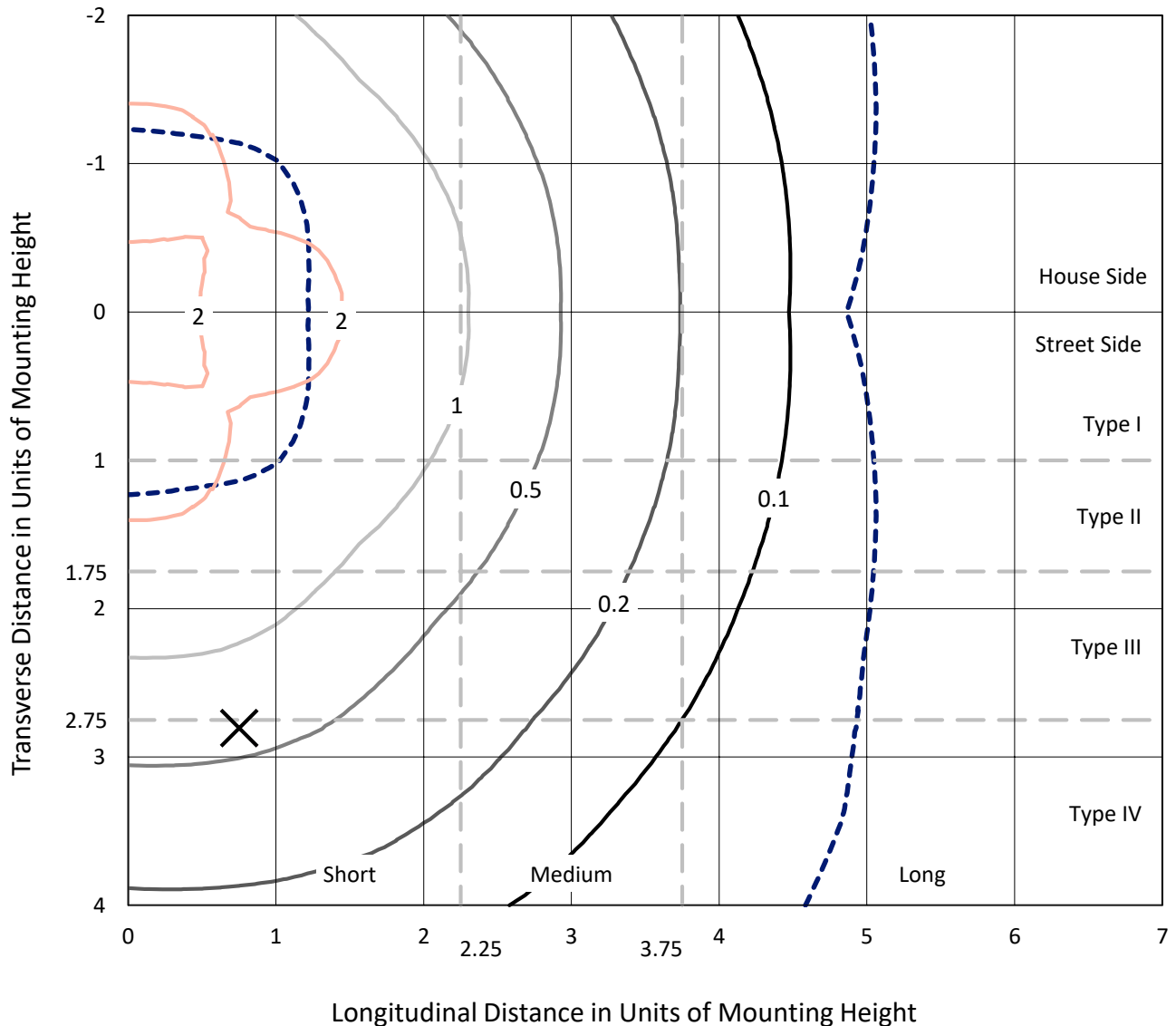
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

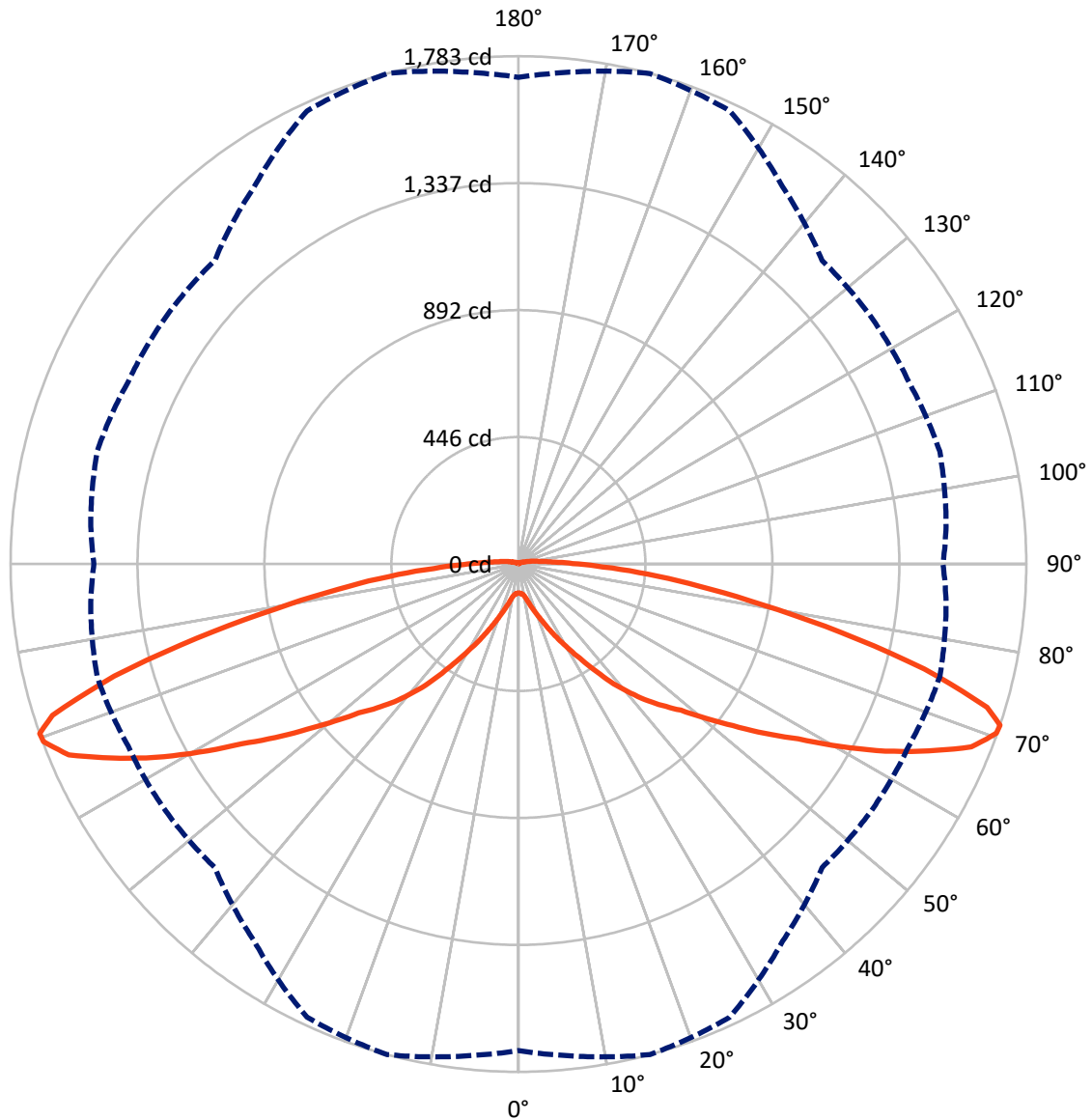
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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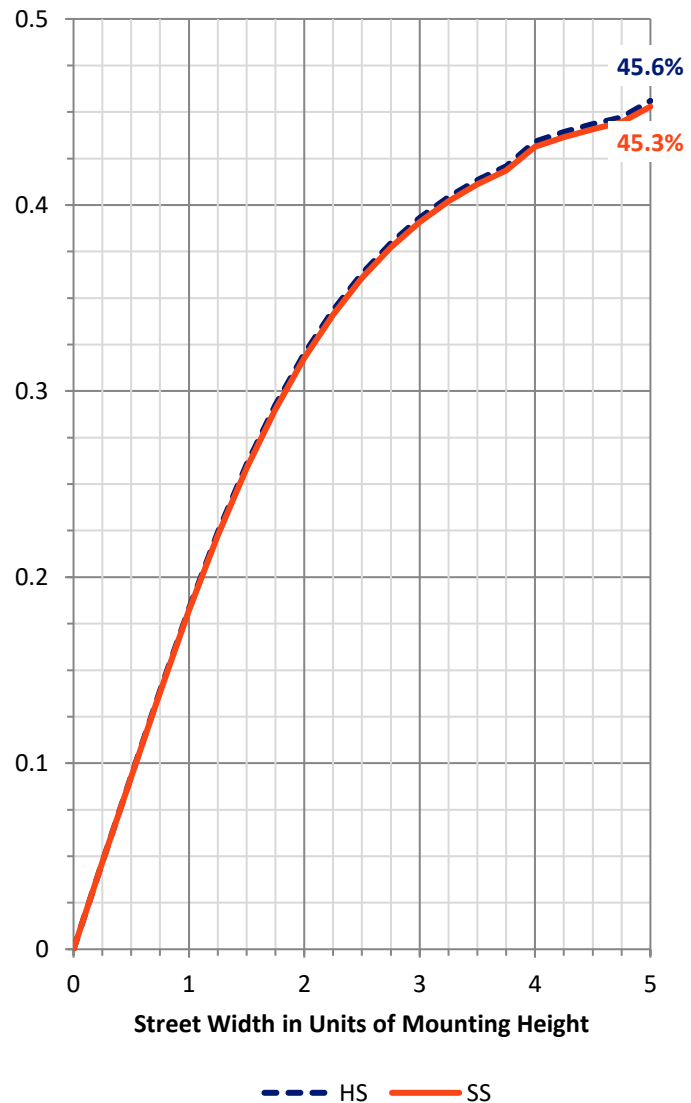
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2651.5	115.4	2767.0
	% Fixture	47.9	2.1	50.0
<b>Street Side</b>	Lumens	2651.5	115.4	2767.0
	% Fixture	47.9	2.1	50.0
<b>Total</b>	Lumens	5303.0	230.9	5533.9
	% Fixture	95.8	4.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.2	0.2
10°-20°	41.0	0.7
20°-30°	116.1	2.1
30°-40°	270.6	4.9
40°-50°	505.1	9.1
50°-60°	901.2	16.3
60°-70°	1477.5	26.7
70°-80°	1382.0	25.0
80°-90°	599.4	10.8
90°-100°	151.4	2.7
100°-110°	44.2	0.8
110°-120°	18.1	0.3
120°-130°	9.6	0.2
130°-140°	5.3	0.1
140°-150°	2.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5303.0	95.8
0°-180°	5533.9	100.0

**Coefficient of Utilization**



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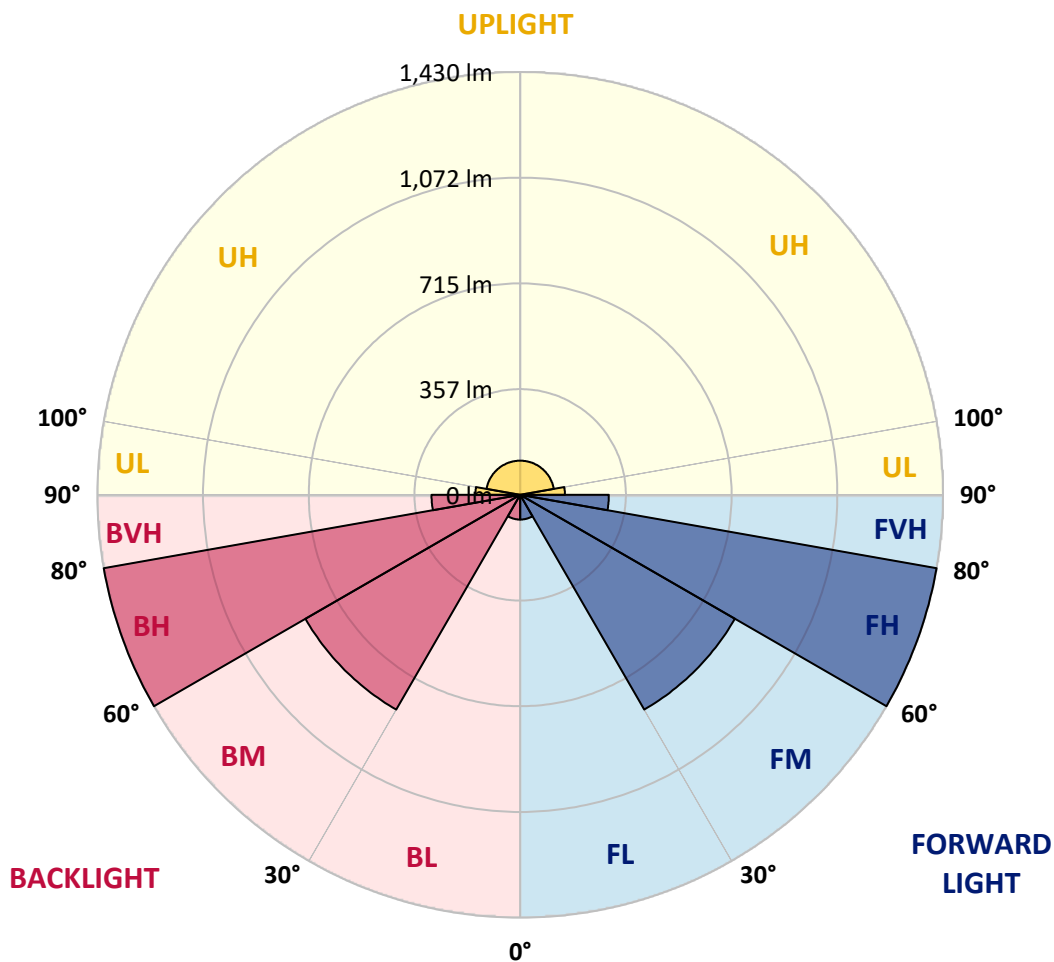
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.7	1.5			
FM (30°-60°)	838.4	15.2			
FH (60°-80°)	1429.7	25.8			G1/1800
FVH (80°-90°)	299.7	5.4			G3/500
BL (0°-30°)	83.7	1.5	B0/110		
BM (30°-60°)	838.4	15.2	B1/1000		
BH (60°-80°)	1429.7	25.8	B3/2500		G1/1800
BVH (80°-90°)	299.7	5.4			G3/500
UL (90°-100°)	151.4	2.7		U3/500	
UH (100°-180°)	115.4	2.1		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°	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9	101.9
2.5°	102.6	102.6	102.6	103.2	103.2	103.2	102.6	102.6	101.9	101.9	101.9
5°	104.5	104.5	104.5	104.5	104.5	104.5	103.8	103.8	103.2	103.2	103.2
7.5°	107.6	107.6	107.6	107.6	107.6	107.0	106.3	105.7	105.7	105.7	105.7
10°	114.5	114.5	113.8	113.2	112.5	111.3	111.3	110.7	110.7	110.7	111.3
12.5°	128.8	128.8	127.0	123.9	120.0	118.9	118.2	119.4	121.4	122.0	123.3
15°	147.6	147.6	145.1	140.1	134.5	129.5	130.7	134.5	137.5	139.6	140.7
17.5°	170.8	170.8	167.0	160.2	152.0	148.8	148.3	153.3	158.2	162.0	164.6
20°	196.4	196.4	191.4	182.0	173.8	172.0	171.4	175.2	182.7	188.3	190.7
22.5°	227.7	228.4	220.8	208.2	200.2	196.4	195.8	200.8	212.6	220.8	223.9
25°	266.5	266.5	258.3	240.8	229.6	223.3	224.5	234.0	250.9	262.1	264.0
27.5°	309.6	308.3	297.7	278.9	262.7	253.4	256.4	270.9	291.5	308.3	310.9
30°	357.9	356.5	341.6	321.6	298.4	287.2	292.0	312.7	340.9	364.7	367.7
32.5°	413.4	412.2	393.5	367.7	337.2	322.1	331.5	360.9	395.3	426.0	430.4
35°	480.4	479.1	454.1	418.5	380.9	362.7	375.3	411.0	451.6	488.5	494.2
37.5°	550.4	550.4	524.1	478.4	429.1	406.6	420.3	461.0	509.1	545.4	551.6
40°	614.2	614.2	588.0	543.6	483.5	453.4	467.8	509.8	553.0	585.4	591.7
42.5°	673.0	674.9	650.5	604.9	540.4	506.0	514.8	551.6	596.1	632.4	638.6
45°	719.9	723.8	708.6	665.5	601.2	560.4	563.6	605.6	658.0	696.2	703.6
47.5°	776.9	777.5	766.9	726.1	665.5	621.1	623.7	673.0	730.6	769.9	773.8
50°	857.5	859.5	850.0	803.7	739.9	689.9	702.4	753.7	825.0	867.0	868.2
52.5°	947.0	948.9	942.1	899.4	826.2	778.2	797.5	856.9	927.6	962.6	961.4
55°	1040.8	1045.2	1048.9	1009.5	932.0	882.6	908.8	970.8	1036.5	1070.8	1067.0
57.5°	1145.2	1148.5	1158.3	1123.4	1054.0	1005.7	1038.9	1100.9	1167.8	1201.0	1195.3
60°	1288.5	1293.5	1301.6	1253.4	1181.5	1143.4	1179.7	1245.3	1313.6	1333.5	1326.1
62.5°	1418.6	1424.2	1446.7	1410.4	1316.7	1276.5	1324.8	1387.9	1444.9	1454.2	1441.7
65°	1545.6	1551.8	1582.5	1551.2	1457.9	1401.1	1451.7	1503.6	1556.8	1563.7	1551.2
67.5°	1661.3	1678.2	1715.1	1671.8	1566.9	1501.8	1530.6	1572.5	1619.3	1611.2	1595.6
70°	1720.8	1742.5	1780.2	1750.2	1620.0	1521.8	1537.5	1550.0	1572.5	1561.2	1547.4
71°	1708.9	1731.3	1783.2	1755.7	1616.9	1507.4	1511.8	1512.4	1531.2	1507.4	1490.6
72.5°	1623.8	1647.5	1720.8	1724.4	1585.6	1466.1	1446.7	1431.1	1421.1	1378.6	1365.4
75°	1359.1	1390.5	1472.4	1519.4	1441.7	1325.5	1291.7	1239.1	1210.3	1161.5	1158.3
77.5°	1057.7	1078.4	1158.3	1229.7	1208.4	1133.3	1095.3	1044.0	1013.9	975.8	953.3
80°	788.1	795.0	867.5	948.3	972.6	942.6	914.5	868.2	832.5	795.6	776.2
82.5°	560.4	573.6	639.2	726.8	784.4	785.6	765.6	713.7	673.7	634.9	619.8
85°	379.0	392.1	455.9	548.6	623.0	654.9	634.9	566.7	506.6	461.6	452.3
87.5°	237.6	250.2	296.5	379.0	477.3	526.1	502.9	418.5	350.2	308.9	300.9
90°	155.7	163.3	190.7	244.5	329.0	396.6	370.3	291.5	233.3	196.4	192.7
92.5°	107.6	110.2	127.0	158.2	218.9	273.3	253.9	196.4	153.3	127.0	123.3
95°	76.9	79.4	90.0	108.8	146.4	179.5	169.0	133.2	104.5	86.4	83.8
97.5°	57.0	58.8	68.2	80.7	103.2	120.7	113.2	94.4	76.3	62.5	60.6
100°	44.4	45.1	53.2	62.5	76.9	86.4	80.7	70.7	58.8	48.8	47.5
102.5°	35.1	35.6	41.9	49.3	59.4	66.3	62.0	54.4	45.7	38.8	38.1
105°	27.6	28.2	32.6	39.5	47.5	51.9	48.8	42.5	35.1	30.0	30.0
107.5°	21.9	22.5	25.6	31.2	38.1	41.9	39.5	33.1	27.6	23.8	23.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	18.1	18.1	20.6	25.0	31.2	34.4	31.9	26.2	21.9	19.3	18.8
112.5°	15.0	15.0	16.9	20.6	25.6	28.2	26.2	21.3	17.5	15.7	15.7
115°	12.4	13.1	13.7	17.5	21.9	23.8	21.9	18.1	14.4	13.1	13.1
117.5°	11.3	11.3	12.4	15.0	18.8	20.6	18.8	15.7	12.4	11.9	11.9
120°	10.1	10.1	10.6	12.4	16.3	17.5	16.3	13.1	11.3	10.6	10.6
122.5°	9.4	9.4	9.4	11.3	13.7	15.7	14.4	11.9	10.1	9.4	9.4
125°	8.7	8.7	8.7	10.1	12.4	13.1	12.4	10.6	8.7	8.7	8.7
127.5°	8.7	8.7	8.7	9.4	10.6	11.9	11.3	9.4	8.0	8.0	8.0
130°	8.0	8.0	8.0	8.7	9.4	10.1	9.4	8.7	8.0	8.0	8.0
132.5°	7.5	7.5	7.5	7.5	8.0	8.7	8.0	7.5	7.5	7.5	7.5
135°	6.9	6.9	6.9	6.2	6.9	7.5	6.9	6.2	6.2	6.9	6.9
137.5°	6.2	6.2	5.7	5.7	5.7	6.2	5.7	5.7	5.7	5.7	6.2
140°	5.7	5.7	5.0	5.0	5.0	5.0	4.4	4.4	4.4	5.0	5.0
142.5°	5.0	4.4	4.4	3.8	3.8	3.8	3.8	3.2	3.8	4.4	4.4
145°	3.8	3.8	3.8	3.2	3.2	3.2	2.5	2.5	3.2	3.2	3.2
147.5°	3.2	3.2	2.5	2.5	1.8	1.8	1.8	1.8	2.5	2.5	2.5
150°	2.5	2.5	1.8	1.8	1.2	1.2	1.2	1.2	1.8	1.8	1.8
152.5°	1.8	1.8	1.2	1.2	1.2	0.6	0.6	0.6	1.2	1.2	1.2
155°	1.2	1.2	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6
157.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)