

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: P414032

Luminaire Tested: **LXF.LXT-PA1-100-830-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-830-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 7960 lumens
Efficiency: N/A
Efficacy: 82.9 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

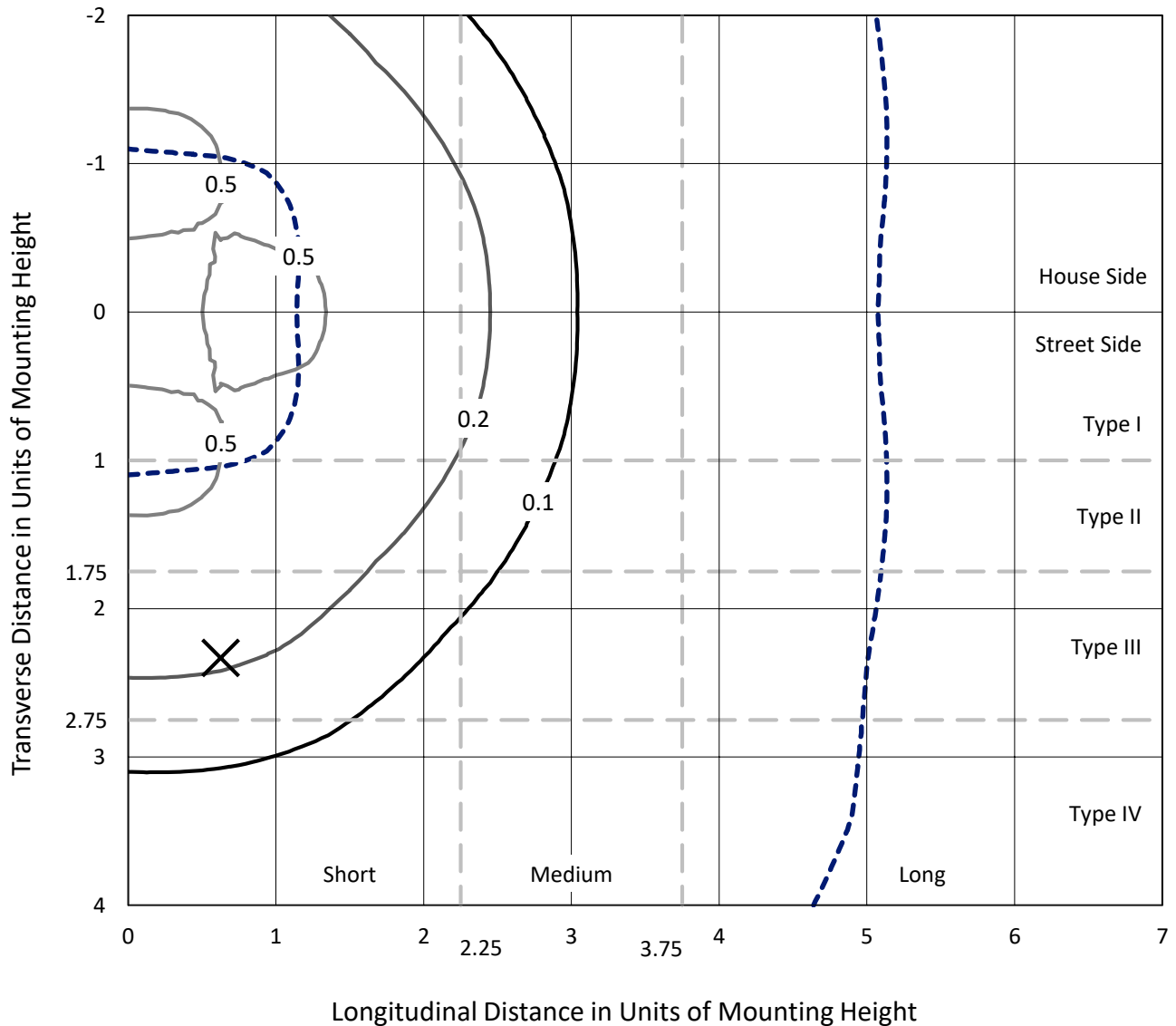
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

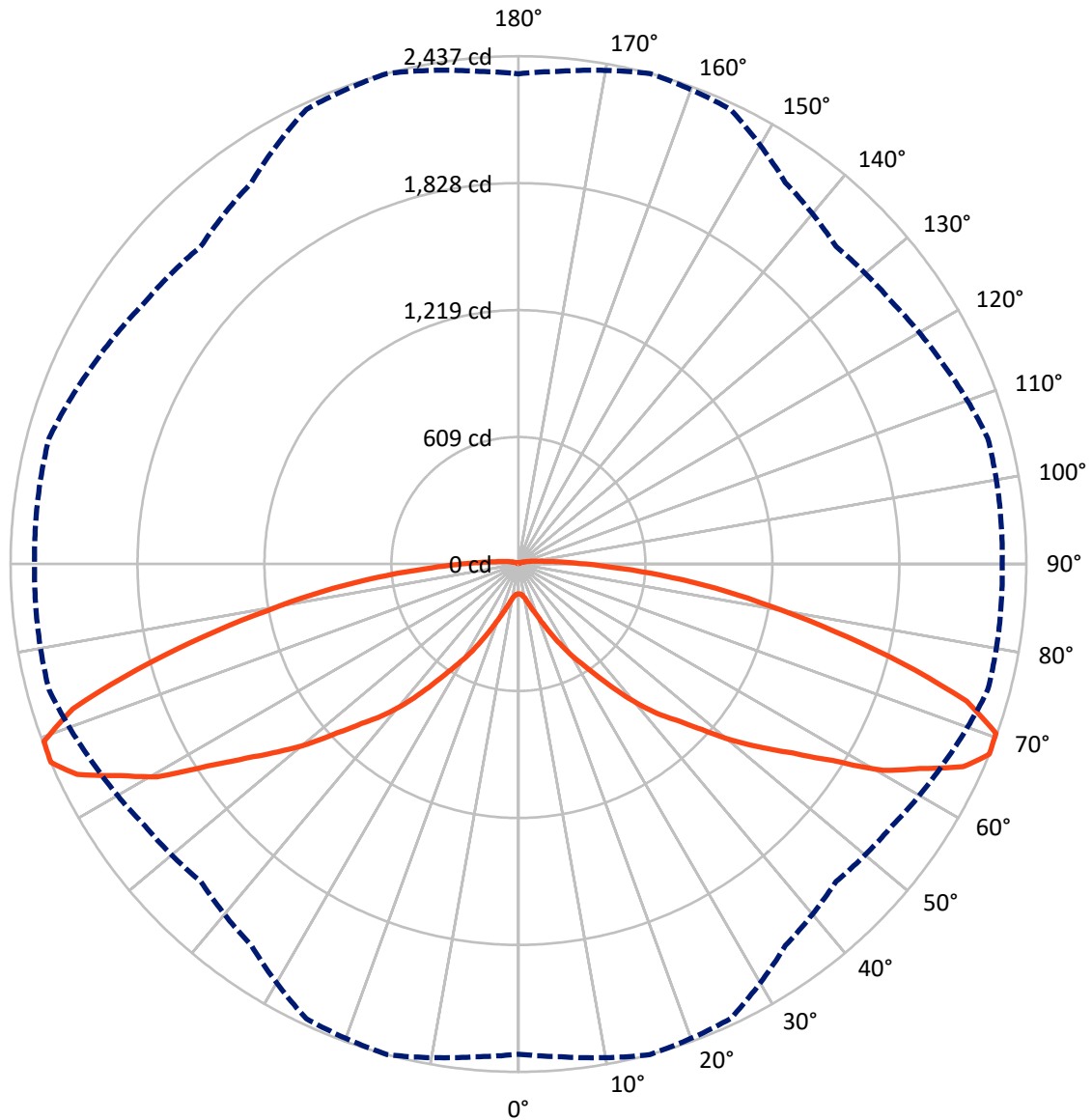
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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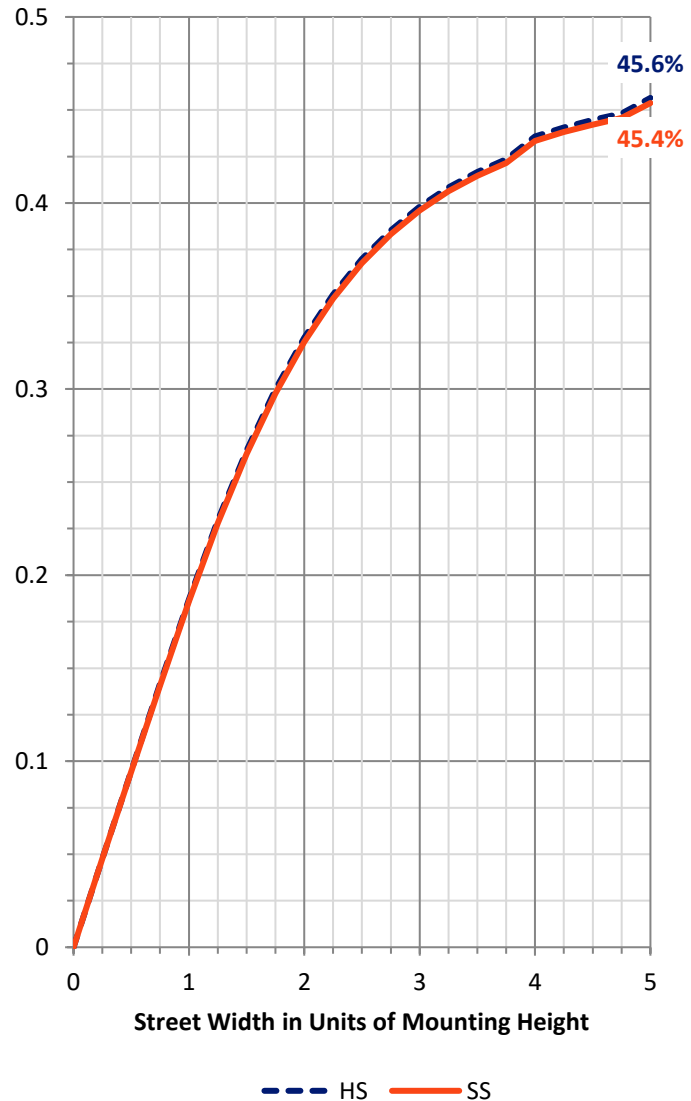
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3822.9	157.1	3980.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3822.9	157.1	3980.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	7645.9	314.2	7960.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.2
10°-20°	59.4	0.7
20°-30°	171.4	2.2
30°-40°	403.6	5.1
40°-50°	760.7	9.6
50°-60°	1356.8	17.0
60°-70°	2145.0	26.9
70°-80°	1889.8	23.7
80°-90°	844.7	10.6
90°-100°	209.8	2.6
100°-110°	57.8	0.7
110°-120°	23.2	0.3
120°-130°	12.3	0.2
130°-140°	7.2	0.1
140°-150°	3.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7645.9	96.1
0°-180°	7960.0	100.0



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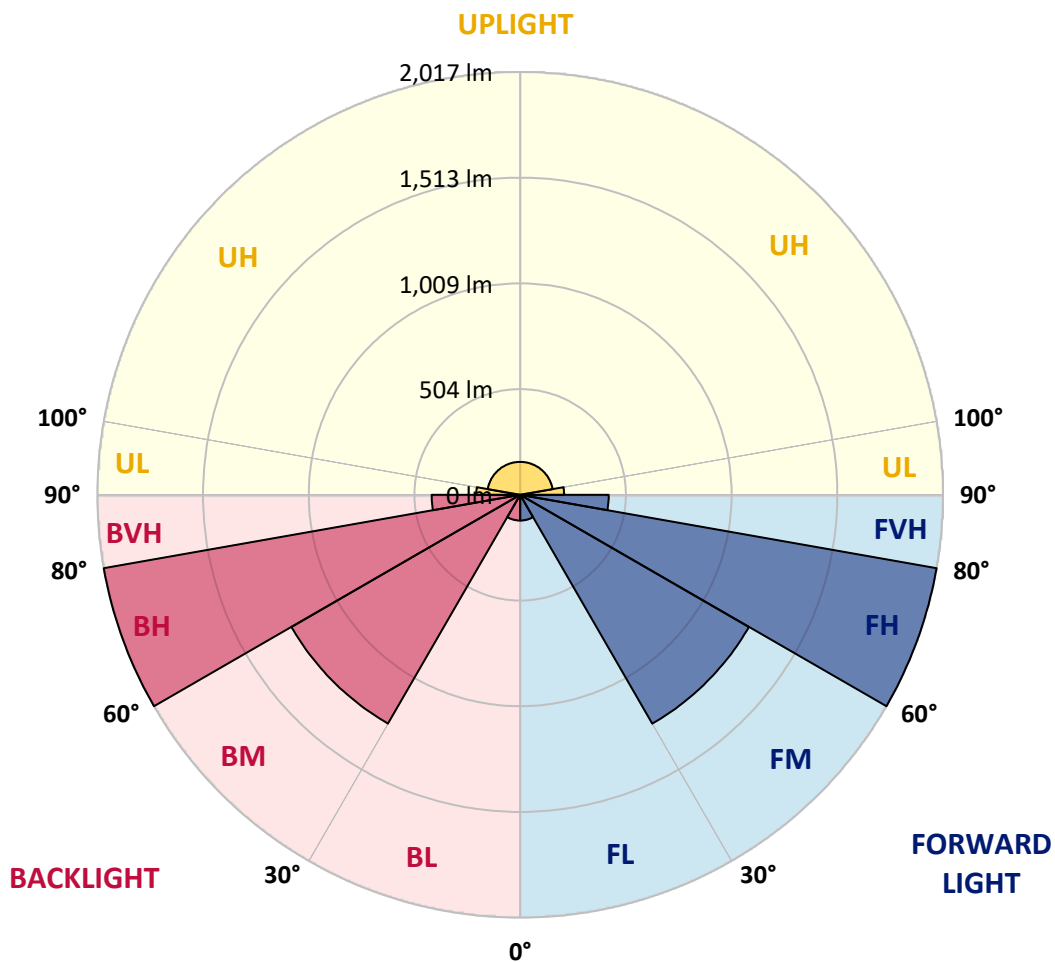
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.7	1.5			
FM (30°-60°)	1260.5	15.8			
FH (60°-80°)	2017.4	25.3			G2/5000
FVH (80°-90°)	422.3	5.3			G3/500
BL (0°-30°)	122.7	1.5	B1/500		
BM (30°-60°)	1260.5	15.8	B2/2500		
BH (60°-80°)	2017.4	25.3	B3/2500		G2/5000
BVH (80°-90°)	422.3	5.3			G3/500
UL (90°-100°)	209.8	2.6		U3/500	
UH (100°-180°)	157.1	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°	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2	143.2
2.5°	143.2	143.2	144.0	144.0	144.9	145.8	144.9	144.0	143.2	142.3	142.3
5°	147.5	147.5	147.5	147.5	148.4	148.4	147.5	145.8	144.9	144.0	144.0
7.5°	154.4	154.4	154.4	154.4	154.4	153.6	151.8	150.1	149.2	148.4	148.4
10°	165.7	165.7	164.0	164.0	163.1	162.2	160.5	158.8	157.0	157.9	157.9
12.5°	184.8	185.7	183.1	178.7	175.3	173.5	172.7	172.7	175.3	175.3	176.1
15°	212.6	212.6	208.2	202.2	195.2	190.0	191.7	196.1	200.4	203.0	203.0
17.5°	242.9	242.9	238.6	230.8	221.2	218.6	217.8	222.1	231.7	235.1	236.0
20°	281.1	281.1	273.3	262.0	253.3	249.9	249.9	256.8	267.2	275.0	274.2
22.5°	333.2	332.3	321.0	301.9	290.6	285.4	284.6	294.1	312.3	324.5	328.0
25°	395.6	394.8	380.0	354.9	337.5	323.6	327.1	343.6	371.3	390.4	390.4
27.5°	466.8	463.3	444.2	416.5	390.4	372.2	377.4	400.8	435.5	461.6	462.4
30°	536.2	536.2	515.4	482.4	447.7	425.1	431.2	464.2	505.8	546.6	547.5
32.5°	609.9	609.1	583.0	550.1	507.6	482.4	491.9	532.7	591.7	638.6	647.2
35°	704.5	705.4	668.9	623.8	570.0	542.3	555.3	608.2	678.5	734.9	740.1
37.5°	806.0	811.2	771.3	713.2	641.2	607.3	626.4	688.0	769.6	828.6	828.6
40°	915.3	917.9	881.5	807.7	721.0	676.7	701.9	767.8	830.3	880.6	883.2
42.5°	1008.2	1010.8	982.1	910.1	813.0	760.0	774.8	825.1	884.1	940.5	945.7
45°	1081.0	1089.7	1072.4	1010.8	911.9	847.7	845.9	897.1	968.3	1027.2	1034.2
47.5°	1212.9	1217.3	1186.9	1114.0	1013.4	943.1	936.2	987.3	1080.2	1143.5	1147.8
50°	1329.2	1342.2	1330.9	1252.8	1133.1	1048.1	1048.9	1116.6	1217.3	1281.5	1287.5
52.5°	1460.2	1466.3	1462.8	1396.0	1279.7	1179.1	1190.4	1266.7	1375.2	1415.1	1422.0
55°	1579.9	1589.5	1601.6	1552.2	1436.8	1348.3	1358.7	1440.2	1513.1	1551.3	1554.8
57.5°	1769.9	1779.5	1778.6	1705.7	1606.8	1520.9	1538.3	1602.5	1697.9	1763.0	1774.3
60°	1976.4	1990.3	2012.0	1917.4	1769.1	1709.2	1730.9	1823.7	1932.2	1941.7	1953.9
62.5°	2114.4	2121.3	2162.1	2130.8	1958.2	1886.2	1943.4	2022.4	2078.8	2087.5	2084.0
65°	2294.8	2317.4	2346.0	2274.0	2135.2	2036.3	2102.2	2161.2	2262.7	2271.4	2269.7
67.5°	2352.1	2373.8	2437.1	2407.6	2234.1	2155.1	2189.0	2254.0	2332.1	2325.2	2321.7
70°	2356.4	2377.3	2431.0	2415.4	2256.7	2147.3	2182.0	2207.2	2279.2	2280.1	2270.5
72.5°	2120.4	2156.9	2248.8	2276.6	2137.8	2025.9	2028.5	2027.6	2032.8	1975.5	1953.0
75°	1786.4	1812.4	1902.7	1969.5	1898.3	1802.0	1800.3	1727.4	1711.8	1668.4	1652.8
77.5°	1430.7	1462.8	1549.6	1622.4	1597.3	1545.2	1518.3	1435.9	1413.3	1363.9	1370.0
80°	1112.3	1137.4	1223.3	1317.9	1324.8	1288.4	1258.9	1191.2	1147.0	1105.3	1087.1
82.5°	856.3	878.0	951.8	1054.1	1096.7	1092.3	1050.7	974.3	934.4	894.5	871.1
85°	591.7	610.8	683.7	807.7	884.1	911.0	864.1	767.8	696.7	640.3	627.3
87.5°	381.7	390.4	448.6	556.1	670.7	734.0	684.5	563.9	474.6	429.5	414.7
90°	238.6	251.6	293.3	360.1	472.0	552.7	502.3	380.0	315.8	269.8	260.3
92.5°	165.7	164.0	192.6	239.5	321.9	387.8	344.4	251.6	199.6	169.2	163.1
95°	109.3	113.7	129.3	158.8	217.8	258.5	227.3	167.4	131.0	109.3	106.7
97.5°	81.6	82.4	94.6	112.8	148.4	170.1	151.0	116.3	92.8	79.0	78.1
100°	64.2	65.1	73.7	84.2	104.1	118.0	105.8	87.6	72.0	61.6	61.6
102.5°	50.3	51.2	57.3	65.9	79.0	87.6	80.7	67.7	56.4	48.6	47.7
105°	39.9	39.9	45.1	52.1	61.6	67.7	63.3	52.9	43.4	38.2	38.2
107.5°	31.2	32.1	35.6	40.8	49.5	55.5	50.3	40.8	33.8	29.5	29.5
110°	25.2	25.2	27.8	33.0	39.9	45.1	40.8	33.0	26.9	24.3	24.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	20.8	20.8	22.6	26.9	33.0	37.3	33.0	26.9	21.7	20.0	20.0
115°	17.4	17.4	19.1	21.7	27.8	30.4	27.8	21.7	18.2	16.5	16.5
117.5°	15.6	15.6	16.5	19.1	23.4	25.2	23.4	18.2	15.6	14.7	14.7
120°	13.9	13.9	14.7	16.5	20.0	21.7	20.0	16.5	13.9	13.0	13.0
122.5°	13.0	13.0	13.0	14.7	18.2	19.1	17.4	14.7	12.1	12.1	12.1
125°	12.1	12.1	12.1	13.0	15.6	16.5	15.6	13.0	11.3	11.3	11.3
127.5°	11.3	11.3	11.3	12.1	13.9	14.7	13.9	12.1	10.4	10.4	10.4
130°	11.3	11.3	10.4	11.3	12.1	13.0	12.1	11.3	10.4	9.5	10.4
132.5°	10.4	10.4	10.4	10.4	11.3	11.3	11.3	10.4	9.5	9.5	9.5
135°	9.5	9.5	8.7	8.7	9.5	10.4	9.5	8.7	8.7	8.7	8.7
137.5°	8.7	7.8	7.8	7.8	8.7	8.7	8.7	7.8	7.8	7.8	7.8
140°	6.9	6.9	6.9	6.9	6.9	7.8	6.9	6.1	6.1	6.9	6.9
142.5°	6.1	6.1	6.1	5.2	6.1	6.1	6.1	5.2	5.2	5.2	5.2
145°	5.2	5.2	5.2	4.3	5.2	5.2	5.2	4.3	4.3	4.3	4.3
147.5°	3.5	4.3	3.5	3.5	4.3	4.3	3.5	3.5	3.5	3.5	3.5
150°	2.6	2.6	2.6	2.6	3.5	3.5	2.6	2.6	2.6	2.6	2.6
152.5°	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	1.7	1.7	1.7
155°	1.7	1.7	1.7	1.7	2.6	2.6	1.7	1.7	1.7	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	1.7	2.6	1.7	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.9	1.7	2.6	1.7	0.9	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)