

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: P415956

Luminaire Tested: **LXF.LXT-PA1-60-750-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415956
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-PA1-60-750-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA 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: 7485 lumens
Efficiency: N/A
Efficacy: 117.0 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

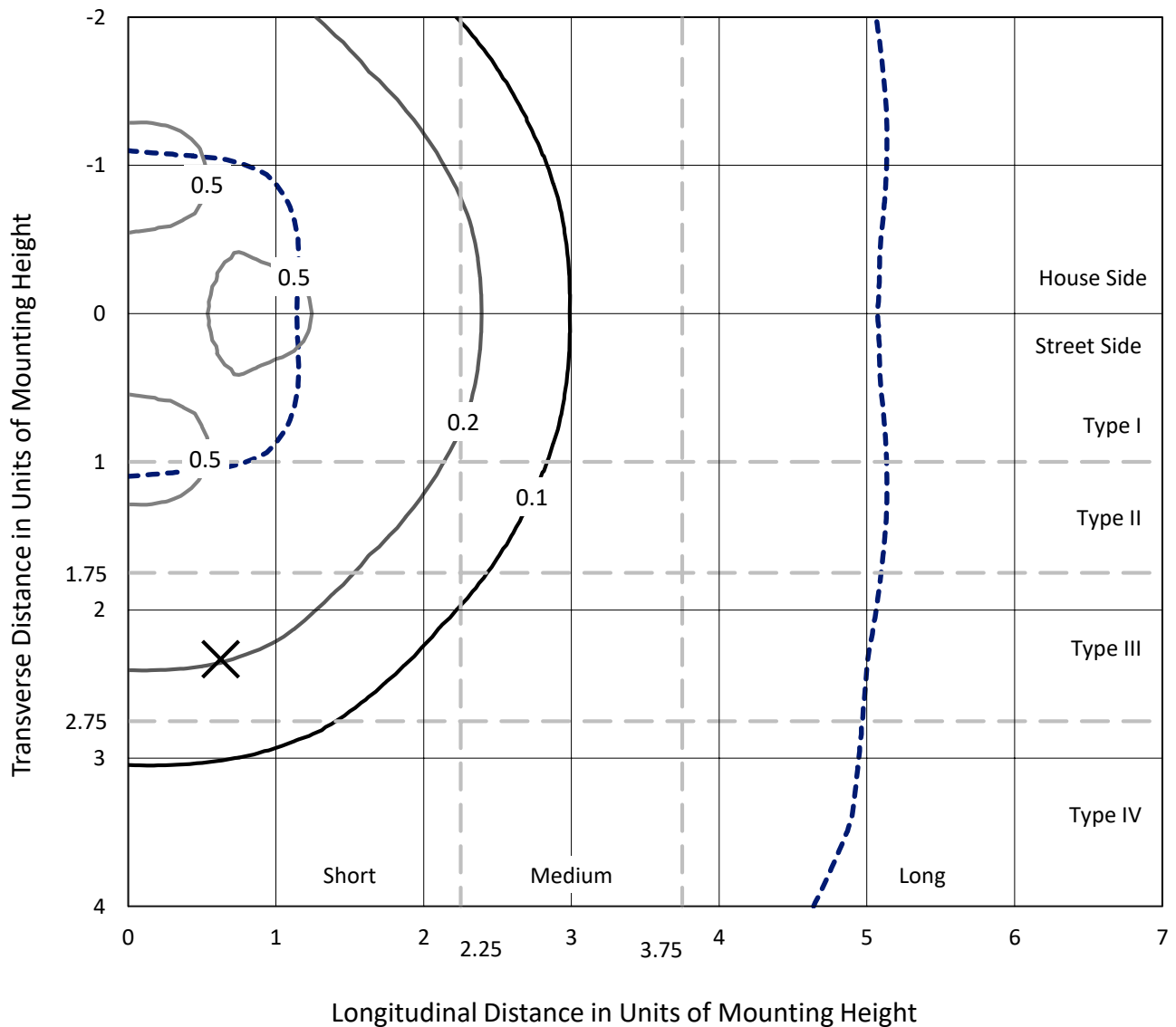


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

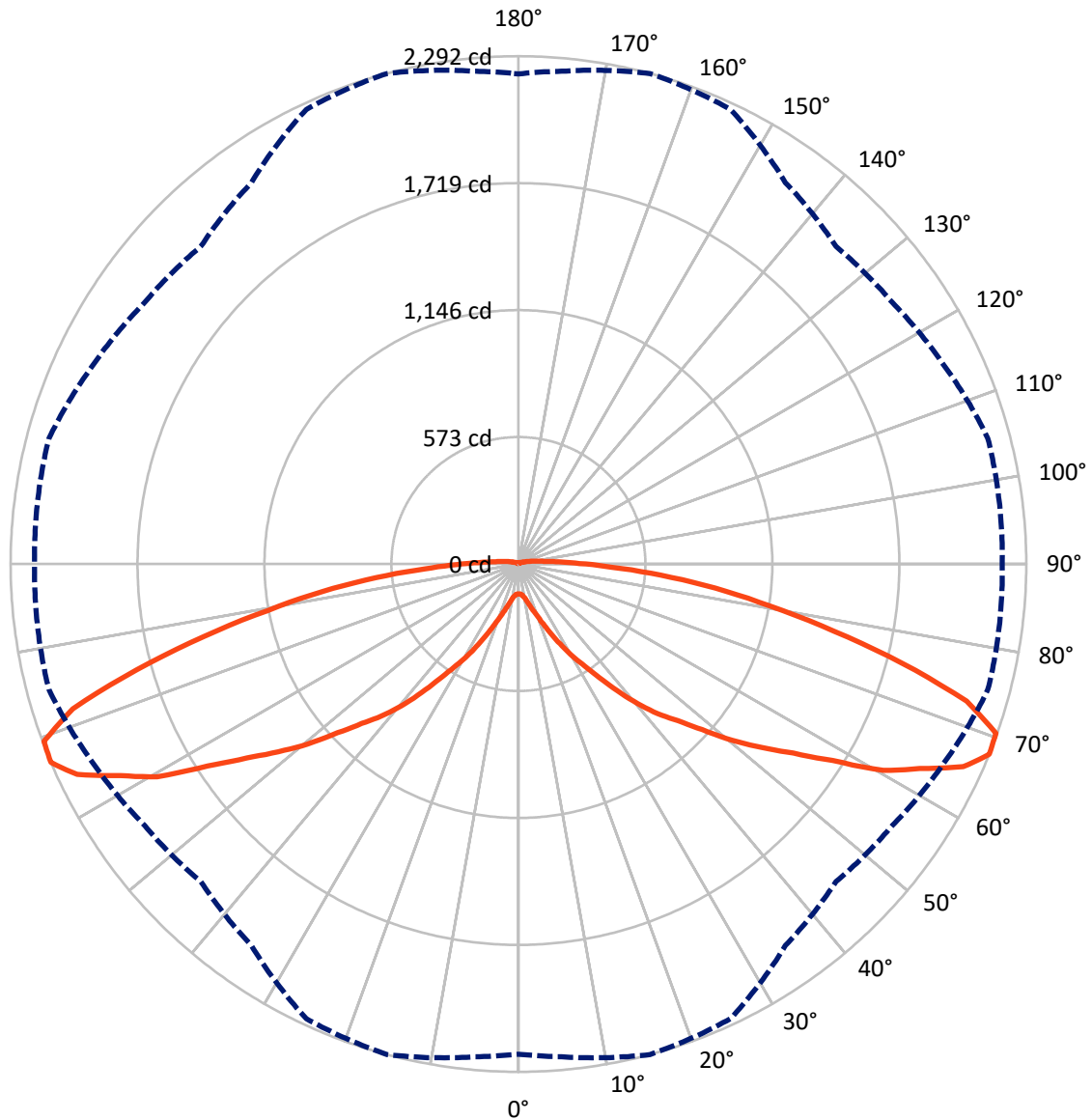


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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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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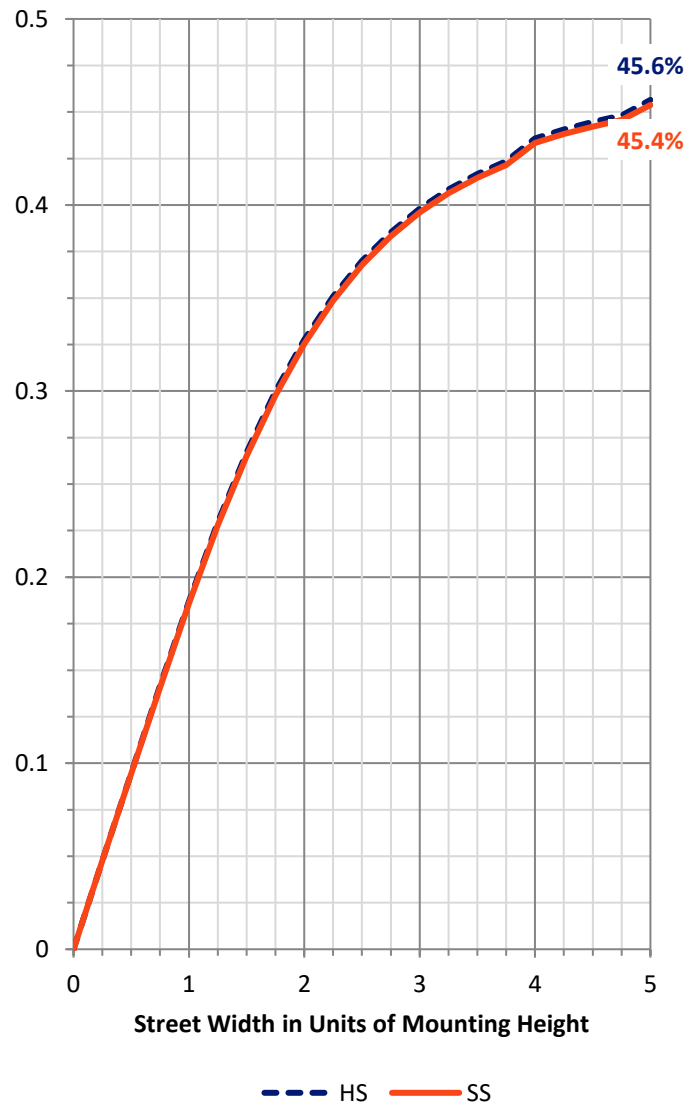
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3594.8	147.7	3742.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3594.8	147.7	3742.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	7189.6	295.4	7485.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.2
10°-20°	55.9	0.7
20°-30°	161.2	2.2
30°-40°	379.5	5.1
40°-50°	715.3	9.6
50°-60°	1275.8	17.0
60°-70°	2017.0	26.9
70°-80°	1777.1	23.7
80°-90°	794.3	10.6
90°-100°	197.2	2.6
100°-110°	54.3	0.7
110°-120°	21.8	0.3
120°-130°	11.6	0.2
130°-140°	6.8	0.1
140°-150°	2.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7189.6	96.1
0°-180°	7485.0	100.0



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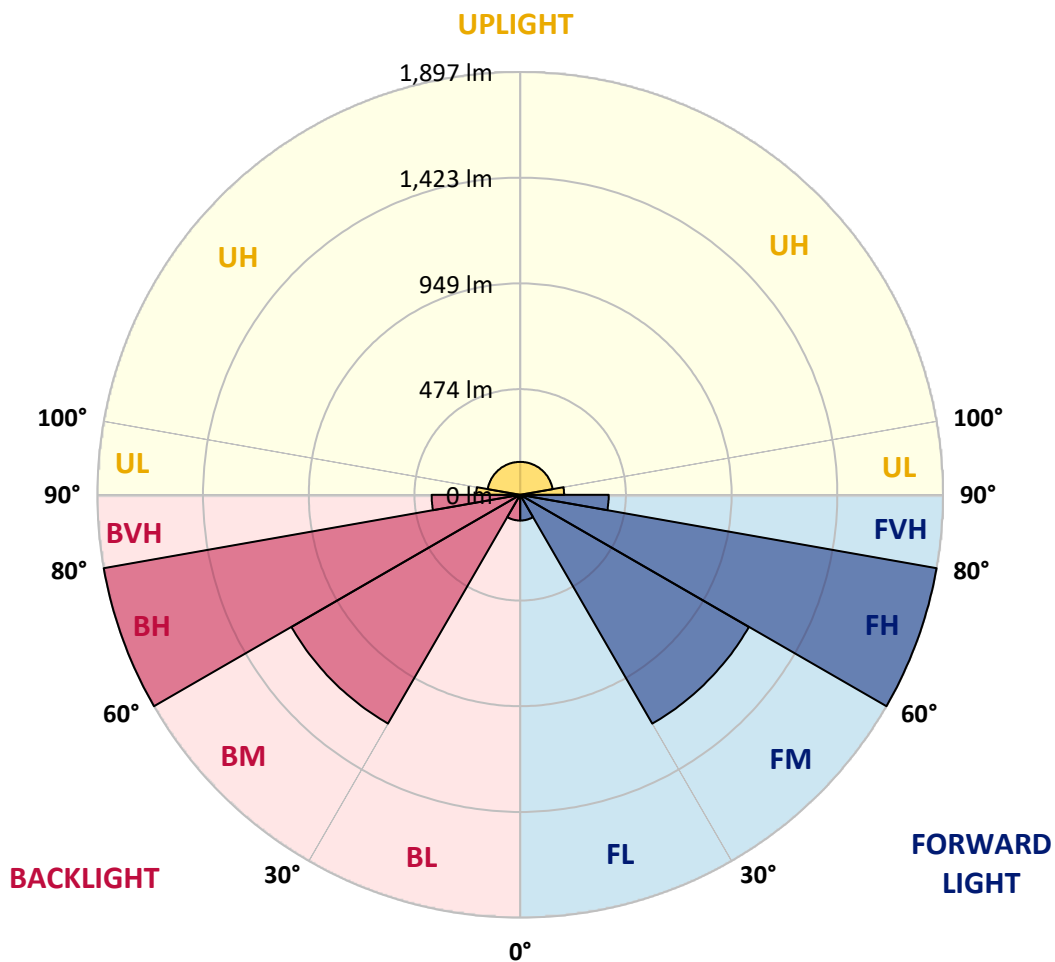
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.3	1.5			
FM (30°-60°)	1185.3	15.8			
FH (60°-80°)	1897.0	25.3			G2/5000
FVH (80°-90°)	397.1	5.3			G3/500
BL (0°-30°)	115.3	1.5	B1/500		
BM (30°-60°)	1185.3	15.8	B2/2500		
BH (60°-80°)	1897.0	25.3	B3/2500		G2/5000
BVH (80°-90°)	397.1	5.3			G3/500
UL (90°-100°)	197.2	2.6		U3/500	
UH (100°-180°)	147.7	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°	134.6	134.6	134.6	134.6	134.6	134.6	134.6	134.6	134.6	134.6	134.6
2.5°	134.6	134.6	135.4	135.4	136.2	137.1	136.2	135.4	134.6	133.8	133.8
5°	138.7	138.7	138.7	138.7	139.5	139.5	138.7	137.1	136.2	135.4	135.4
7.5°	145.2	145.2	145.2	145.2	145.2	144.4	142.8	141.1	140.3	139.5	139.5
10°	155.8	155.8	154.2	154.2	153.4	152.6	150.9	149.3	147.7	148.5	148.5
12.5°	173.8	174.6	172.1	168.1	164.8	163.2	162.4	162.4	164.8	164.8	165.6
15°	199.9	199.9	195.8	190.1	183.6	178.7	180.3	184.4	188.5	190.9	190.9
17.5°	228.4	228.4	224.4	217.0	208.0	205.6	204.8	208.9	217.8	221.1	221.9
20°	264.3	264.3	257.0	246.4	238.2	235.0	235.0	241.5	251.3	258.6	257.8
22.5°	313.3	312.5	301.9	283.9	273.3	268.4	267.6	276.6	293.7	305.1	308.4
25°	372.0	371.2	357.3	333.7	317.4	304.3	307.6	323.1	349.2	367.1	367.1
27.5°	438.9	435.7	417.7	391.6	367.1	350.0	354.9	376.9	409.5	434.0	434.8
30°	504.2	504.2	484.6	453.6	421.0	399.8	405.5	436.5	475.6	514.0	514.8
32.5°	573.5	572.7	548.2	517.2	477.3	453.6	462.6	500.9	556.4	600.5	608.6
35°	662.5	663.3	629.0	586.6	536.0	509.9	522.1	571.9	638.0	691.0	695.9
37.5°	757.9	762.8	725.3	670.6	602.9	571.1	589.0	647.0	723.6	779.1	779.1
40°	860.7	863.2	828.9	759.5	678.0	636.4	660.0	722.0	780.8	828.1	830.5
42.5°	948.0	950.4	923.5	855.8	764.4	714.7	728.5	775.9	831.3	884.4	889.3
45°	1016.5	1024.7	1008.4	950.4	857.4	797.1	795.4	843.6	910.5	966.0	972.5
47.5°	1140.5	1144.6	1116.1	1047.5	952.9	886.8	880.3	928.4	1015.7	1075.3	1079.4
50°	1249.9	1262.1	1251.5	1178.1	1065.5	985.5	986.3	1050.0	1144.6	1205.0	1210.7
52.5°	1373.1	1378.8	1375.5	1312.7	1203.4	1108.7	1119.3	1191.1	1293.1	1330.6	1337.2
55°	1485.6	1494.6	1506.0	1459.5	1351.0	1267.8	1277.6	1354.3	1422.8	1458.7	1462.0
57.5°	1664.3	1673.3	1672.5	1603.9	1510.9	1430.2	1446.5	1506.9	1596.6	1657.8	1668.4
60°	1858.5	1871.5	1891.9	1803.0	1663.5	1607.2	1627.6	1714.9	1816.9	1825.8	1837.3
62.5°	1988.2	1994.7	2033.1	2003.7	1841.3	1773.6	1827.5	1901.7	1954.7	1962.9	1959.6
65°	2157.9	2179.1	2206.0	2138.3	2007.8	1914.8	1976.8	2032.2	2127.7	2135.9	2134.2
67.5°	2211.7	2232.1	2291.7	2263.9	2100.8	2026.5	2058.4	2119.5	2193.0	2186.4	2183.2
70°	2215.8	2235.4	2286.0	2271.3	2122.0	2019.2	2051.8	2075.5	2143.2	2144.0	2135.0
72.5°	1993.9	2028.2	2114.6	2140.8	2010.2	1905.0	1907.4	1906.6	1911.5	1857.7	1836.4
75°	1679.8	1704.3	1789.1	1851.9	1785.1	1694.5	1692.9	1624.3	1609.6	1568.9	1554.2
77.5°	1345.3	1375.5	1457.1	1525.6	1502.0	1453.0	1427.7	1350.2	1329.0	1282.5	1288.2
80°	1045.9	1069.6	1150.3	1239.3	1245.8	1211.5	1183.8	1120.1	1078.5	1039.4	1022.2
82.5°	805.2	825.6	895.0	991.2	1031.2	1027.1	988.0	916.2	878.7	841.1	819.1
85°	556.4	574.3	642.9	759.5	831.3	856.6	812.6	722.0	655.1	602.1	589.8
87.5°	359.0	367.1	421.8	523.0	630.6	690.2	643.7	530.3	446.3	403.8	390.0
90°	224.4	236.6	275.8	338.6	443.8	519.7	472.4	357.3	297.0	253.7	244.8
92.5°	155.8	154.2	181.1	225.2	302.7	364.7	323.9	236.6	187.6	159.1	153.4
95°	102.8	106.9	121.6	149.3	204.8	243.1	213.7	157.5	123.2	102.8	100.3
97.5°	76.7	77.5	88.9	106.1	139.5	159.9	142.0	109.3	87.3	74.2	73.4
100°	60.4	61.2	69.3	79.1	97.9	111.0	99.5	82.4	67.7	57.9	57.9
102.5°	47.3	48.1	53.8	62.0	74.2	82.4	75.9	63.6	53.0	45.7	44.9
105°	37.5	37.5	42.4	49.0	57.9	63.6	59.6	49.8	40.8	35.9	35.9
107.5°	29.4	30.2	33.4	38.3	46.5	52.2	47.3	38.3	31.8	27.7	27.7
110°	23.7	23.7	26.1	31.0	37.5	42.4	38.3	31.0	25.3	22.8	22.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	19.6	19.6	21.2	25.3	31.0	35.1	31.0	25.3	20.4	18.8	18.8
115°	16.3	16.3	17.9	20.4	26.1	28.6	26.1	20.4	17.1	15.5	15.5
117.5°	14.7	14.7	15.5	17.9	22.0	23.7	22.0	17.1	14.7	13.9	13.9
120°	13.1	13.1	13.9	15.5	18.8	20.4	18.8	15.5	13.1	12.2	12.2
122.5°	12.2	12.2	12.2	13.9	17.1	17.9	16.3	13.9	11.4	11.4	11.4
125°	11.4	11.4	11.4	12.2	14.7	15.5	14.7	12.2	10.6	10.6	10.6
127.5°	10.6	10.6	10.6	11.4	13.1	13.9	13.1	11.4	9.8	9.8	9.8
130°	10.6	10.6	9.8	10.6	11.4	12.2	11.4	10.6	9.8	9.0	9.8
132.5°	9.8	9.8	9.8	9.8	10.6	10.6	10.6	9.8	9.0	9.0	9.0
135°	9.0	9.0	8.2	8.2	9.0	9.8	9.0	8.2	8.2	8.2	8.2
137.5°	8.2	7.3	7.3	7.3	8.2	8.2	8.2	7.3	7.3	7.3	7.3
140°	6.5	6.5	6.5	6.5	6.5	7.3	6.5	5.7	5.7	6.5	6.5
142.5°	5.7	5.7	5.7	4.9	5.7	5.7	5.7	4.9	4.9	4.9	4.9
145°	4.9	4.9	4.9	4.1	4.9	4.9	4.9	4.1	4.1	4.1	4.1
147.5°	3.3	4.1	3.3	3.3	4.1	4.1	3.3	3.3	3.3	3.3	3.3
150°	2.4	2.4	2.4	2.4	3.3	3.3	2.4	2.4	2.4	2.4	2.4
152.5°	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	1.6	1.6	1.6
155°	1.6	1.6	1.6	1.6	2.4	2.4	1.6	1.6	1.6	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	1.6	2.4	1.6	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.8	1.6	2.4	1.6	0.8	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)