

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: P255064

Luminaire Tested: **LXF.LXT-AF24-90-D-U-5WQ-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255064
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-AF24-90-D-U-5WQ-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA 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: 8516.8 lumens
Efficiency: N/A
Efficacy: 90.6 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): 94
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

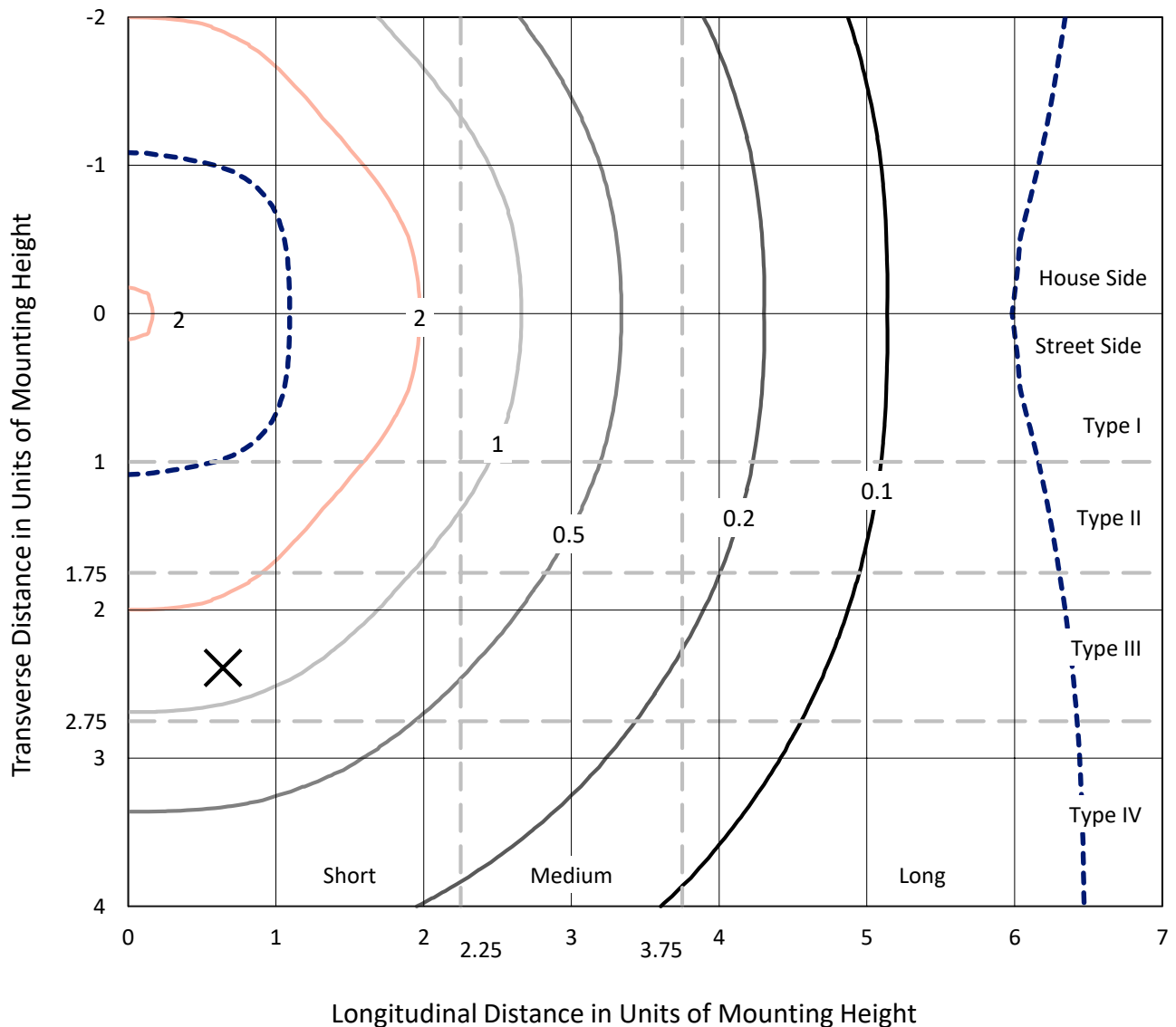


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

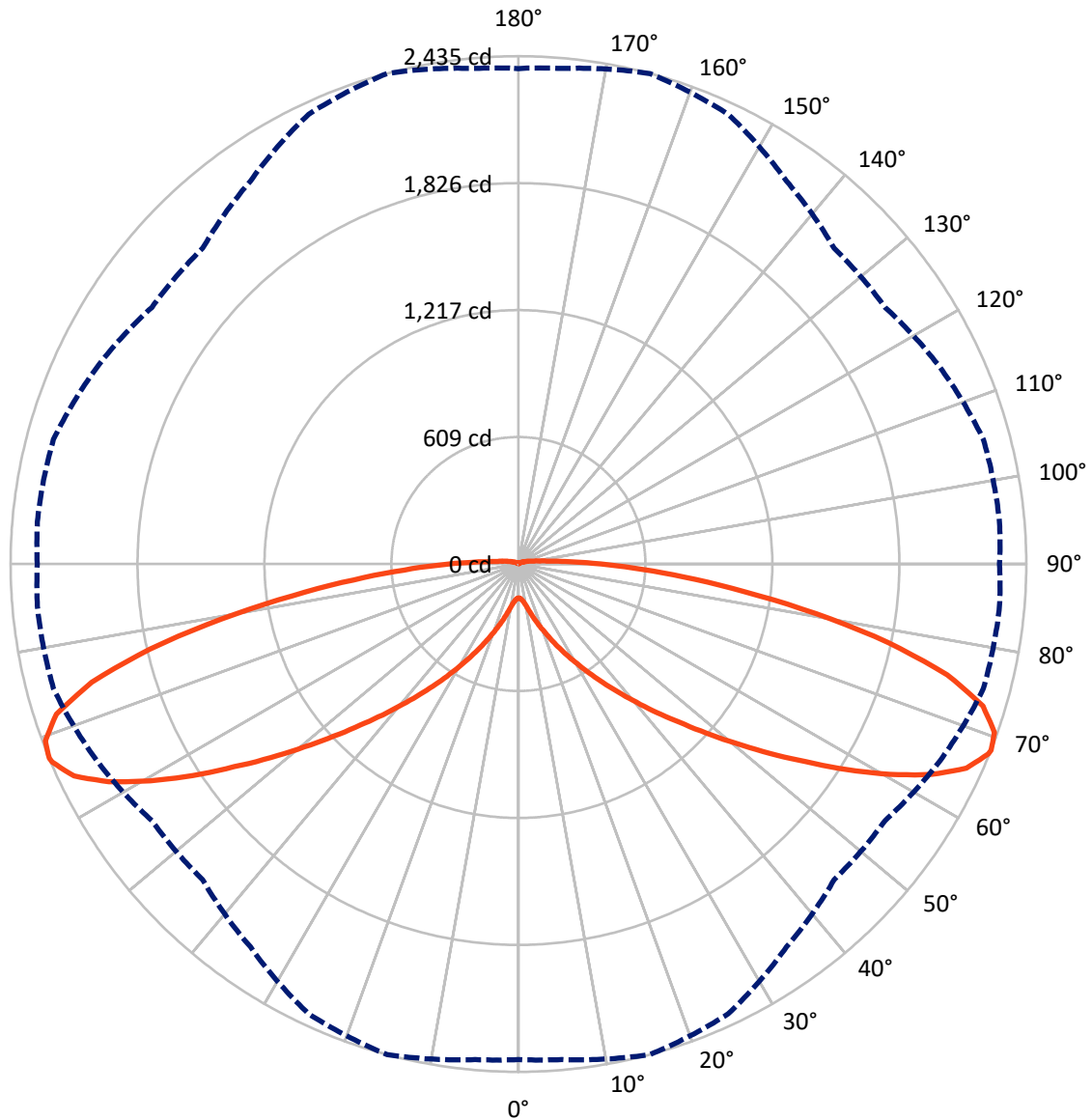


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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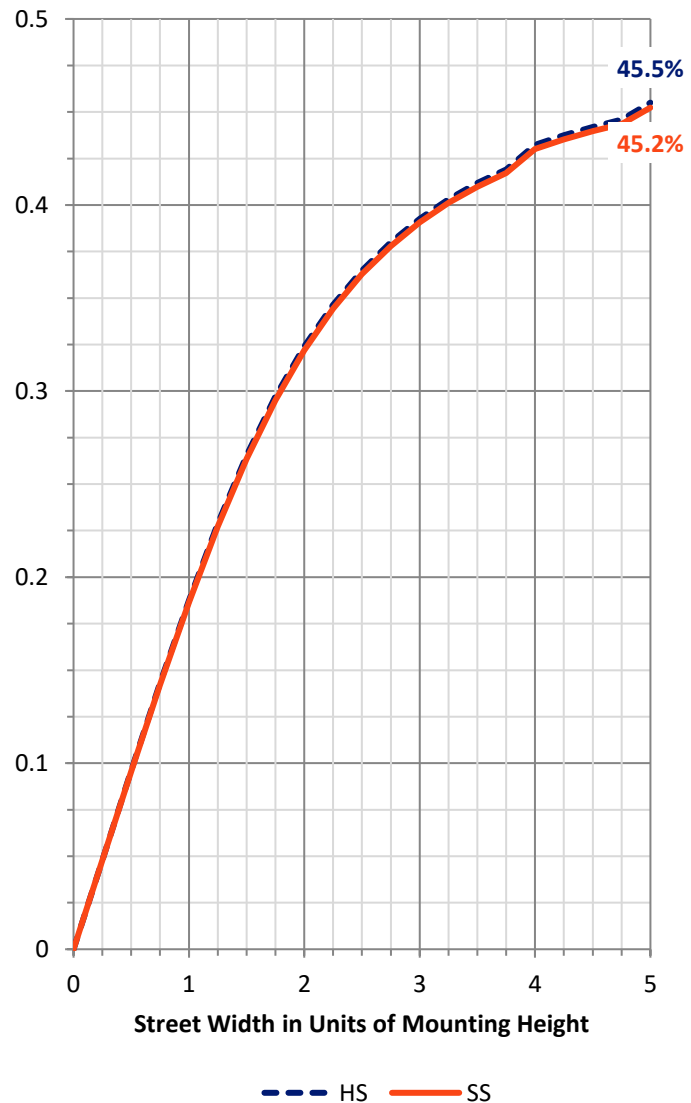
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4088.0	170.4	4258.4
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	4088.0	170.4	4258.4
	% Fixture	48.0	2.0	50.0
Total	Lumens	8175.9	340.9	8516.8
	% Fixture	96.0	4.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	0.2
10°-20°	77.8	0.9
20°-30°	205.2	2.4
30°-40°	430.8	5.1
40°-50°	808.7	9.5
50°-60°	1429.0	16.8
60°-70°	2155.2	25.3
70°-80°	2088.9	24.5
80°-90°	962.8	11.3
90°-100°	229.0	2.7
100°-110°	64.0	0.8
110°-120°	26.9	0.3
120°-130°	12.0	0.1
130°-140°	5.8	0.1
140°-150°	2.4	0.0
150°-160°	0.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8175.9	96.0
0°-180°	8516.8	100.0



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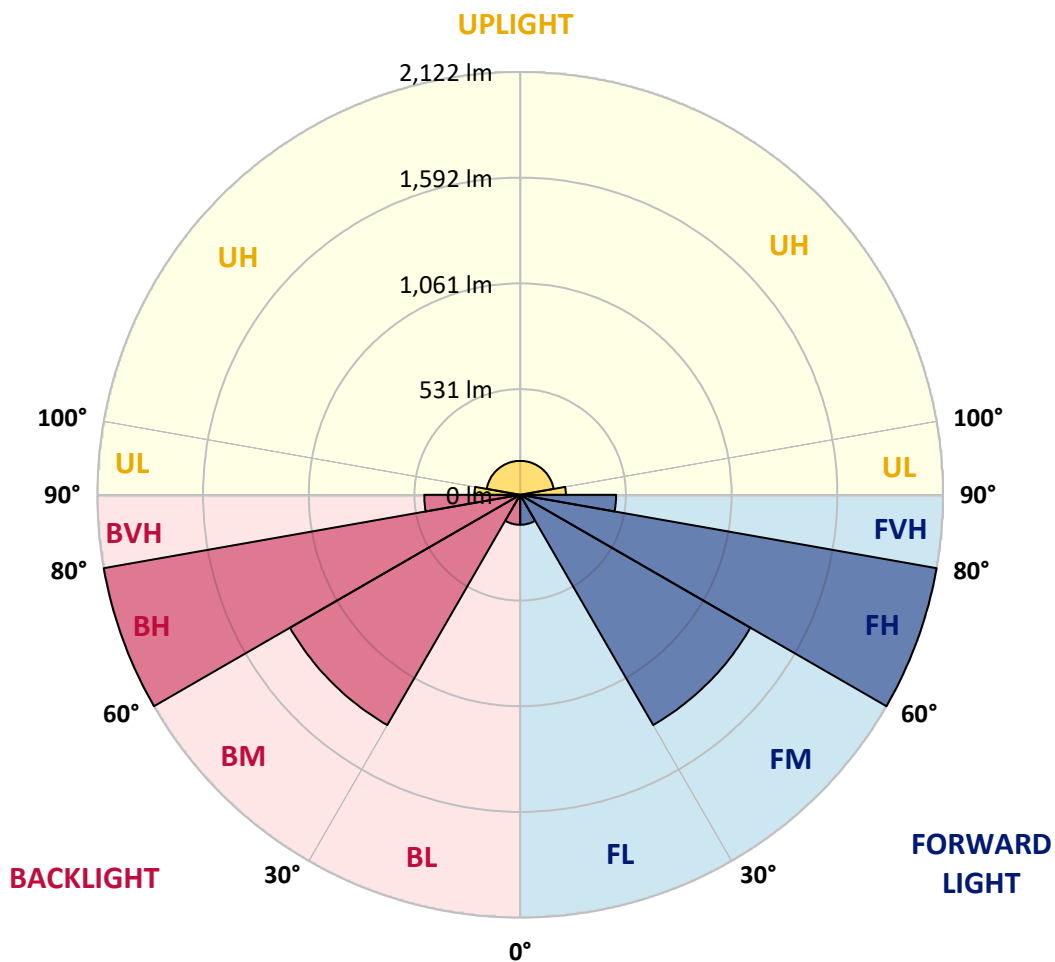
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.3	1.8			
FM (30°-60°)	1334.2	15.7			
FH (60°-80°)	2122.1	24.9			G2/5000
FVH (80°-90°)	481.4	5.7			G3/500
BL (0°-30°)	150.3	1.8	B1/500		
BM (30°-60°)	1334.2	15.7	B2/2500		
BH (60°-80°)	2122.1	24.9	B3/2500		G2/5000
BVH (80°-90°)	481.4	5.7			G3/500
UL (90°-100°)	229.0	2.7		U3/500	
UH (100°-180°)	170.4	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°	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4
2.5°	165.2	165.2	165.2	165.2	165.2	166.2	165.2	165.2	165.2	165.2	165.2
5°	172.0	172.0	172.0	172.8	172.8	172.8	172.8	172.8	172.8	173.8	172.8
7.5°	184.3	184.3	184.3	184.3	184.3	184.3	185.3	186.3	186.3	187.2	187.2
10°	203.4	203.4	202.4	202.4	202.4	203.4	203.4	205.4	206.3	209.2	208.2
12.5°	233.0	233.0	231.2	229.2	228.3	227.4	229.2	233.0	235.9	240.7	239.8
15°	266.5	266.5	264.6	261.6	260.8	259.8	260.8	265.5	270.3	275.2	274.1
17.5°	303.7	302.7	300.9	297.0	297.0	296.1	296.1	300.9	306.6	313.2	313.2
20°	344.8	342.8	340.1	335.2	335.2	334.4	335.2	339.0	347.7	355.3	355.3
22.5°	391.5	389.7	385.9	381.1	378.2	376.3	377.3	383.1	393.6	404.0	405.1
25°	444.1	441.3	437.5	431.7	424.2	420.3	422.2	431.7	445.1	458.5	455.6
27.5°	499.6	498.6	492.9	484.2	472.8	467.1	471.9	483.4	499.6	513.8	514.8
30°	564.6	561.6	554.0	540.7	528.2	516.8	521.5	536.8	558.8	577.9	578.8
32.5°	632.3	631.4	622.8	603.6	582.7	572.2	576.9	598.8	624.6	643.7	647.6
35°	710.6	708.8	699.1	674.3	647.6	633.2	638.1	664.9	696.3	720.2	722.1
37.5°	796.6	791.8	780.3	750.7	716.4	699.1	703.9	734.6	772.7	796.6	802.3
40°	885.4	884.5	871.2	836.7	794.7	770.9	778.5	812.9	856.8	883.5	887.3
42.5°	988.6	986.7	973.3	933.2	881.6	853.9	862.5	903.6	951.3	978.1	982.9
45°	1097.5	1099.3	1081.2	1042.2	981.9	950.3	956.1	1002.9	1055.5	1088.9	1092.7
47.5°	1223.6	1220.7	1210.1	1161.4	1092.7	1056.4	1063.1	1114.7	1176.7	1208.3	1210.1
50°	1356.4	1353.5	1349.7	1299.0	1219.8	1182.5	1186.3	1242.8	1305.7	1338.2	1346.7
52.5°	1504.4	1505.4	1507.2	1451.8	1363.0	1312.4	1321.0	1385.0	1451.8	1481.4	1489.1
55°	1668.7	1669.6	1673.5	1617.0	1516.8	1460.5	1470.9	1541.6	1613.3	1642.9	1645.8
57.5°	1851.1	1846.4	1861.6	1794.8	1684.9	1620.0	1631.5	1705.0	1781.4	1810.0	1815.8
60°	2033.6	2026.9	2047.8	1981.0	1854.9	1784.2	1790.0	1876.0	1958.0	1976.3	1988.6
62.5°	2188.3	2194.9	2222.7	2154.8	2015.4	1929.4	1939.1	2025.8	2117.6	2135.7	2138.6
65°	2309.6	2319.1	2360.2	2289.5	2151.0	2047.8	2061.2	2151.0	2245.6	2254.1	2252.3
67.5°	2373.5	2382.2	2429.0	2370.7	2230.3	2129.0	2136.7	2223.7	2303.8	2312.5	2303.8
68°	2375.6	2385.0	2434.8	2379.3	2240.8	2140.5	2145.3	2230.3	2307.7	2315.3	2306.7
70°	2346.8	2369.8	2421.3	2380.2	2250.4	2156.8	2157.8	2226.4	2300.0	2294.3	2286.7
72.5°	2236.0	2256.1	2328.7	2311.5	2202.5	2122.4	2110.9	2158.6	2201.7	2185.4	2180.6
75°	2010.6	2029.7	2123.4	2142.5	2081.3	2023.1	1995.3	2010.6	2009.8	1980.0	1968.7
77.5°	1683.9	1710.7	1813.8	1884.5	1864.5	1840.6	1793.8	1770.9	1727.9	1667.8	1648.6
80°	1308.6	1335.3	1447.0	1545.5	1585.6	1588.4	1545.5	1469.0	1383.1	1301.0	1284.7
82.5°	970.4	998.2	1091.7	1214.0	1266.6	1297.1	1249.4	1150.9	1054.5	963.7	947.5
85°	678.2	698.2	792.7	892.1	968.6	1002.0	949.5	865.4	768.0	689.7	674.3
87.5°	462.2	473.7	548.3	647.6	719.3	751.7	706.8	624.6	535.0	463.3	447.0
90°	293.3	300.9	356.3	439.3	512.0	540.7	505.4	433.6	351.5	293.3	282.8
92.5°	179.6	183.3	224.4	291.2	352.5	384.9	353.5	289.4	222.6	180.5	174.9
95°	117.5	120.4	144.2	187.2	237.8	261.6	240.7	193.0	148.0	120.4	116.6
97.5°	87.0	88.8	103.1	126.0	156.7	174.9	160.5	131.7	106.0	88.8	86.0
100°	67.8	68.8	78.3	92.7	109.8	120.4	112.7	96.4	80.2	67.8	66.8
102.5°	54.4	54.4	63.1	73.5	84.0	89.8	85.0	76.4	63.1	53.5	52.6
105°	42.9	43.9	50.6	60.2	67.8	71.7	68.8	62.1	50.6	42.1	41.1
107.5°	34.4	34.4	41.1	49.7	57.4	60.2	57.4	51.6	40.1	33.5	32.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	26.8	27.8	32.4	41.1	47.7	50.6	47.7	42.1	32.4	26.8	25.7
112.5°	22.0	22.0	25.7	33.5	40.1	42.1	40.1	33.5	25.7	21.0	21.0
115°	18.1	18.1	21.0	27.8	33.5	35.3	33.5	27.8	21.0	17.2	17.2
117.5°	15.3	16.3	18.1	23.0	27.8	28.6	27.8	23.0	17.2	15.3	14.3
120°	13.3	14.3	15.3	19.1	23.0	23.9	22.0	18.1	14.3	13.3	12.4
122.5°	12.4	12.4	13.3	15.3	19.1	20.1	18.1	15.3	12.4	11.5	11.5
125°	11.5	11.5	11.5	13.3	15.3	16.3	15.3	12.4	10.5	10.5	10.5
127.5°	10.5	10.5	10.5	11.5	13.3	13.3	12.4	10.5	9.5	9.5	9.5
130°	9.5	9.5	9.5	9.5	10.5	11.5	10.5	9.5	8.6	8.6	8.6
132.5°	8.6	8.6	8.6	8.6	8.6	9.5	8.6	7.6	7.6	7.6	7.6
135°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	6.7	6.7	6.7	6.7
137.5°	6.7	6.7	6.7	6.7	6.7	6.7	5.7	5.7	5.7	6.7	6.7
140°	5.7	5.7	5.7	5.7	4.8	4.8	4.8	4.8	5.7	5.7	5.7
142.5°	5.7	5.7	4.8	4.8	3.9	3.9	3.9	3.9	4.8	4.8	4.8
145°	4.8	4.8	3.9	3.9	3.9	2.8	2.8	3.9	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	2.8
152.5°	1.8	1.8	1.8	1.8	1.8	1.0	1.8	1.8	1.8	1.8	1.8
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	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)