

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: P255071

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255071
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-AF24-70-D-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA 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: 7643.5 lumens
Efficiency: N/A
Efficacy: 103.3 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

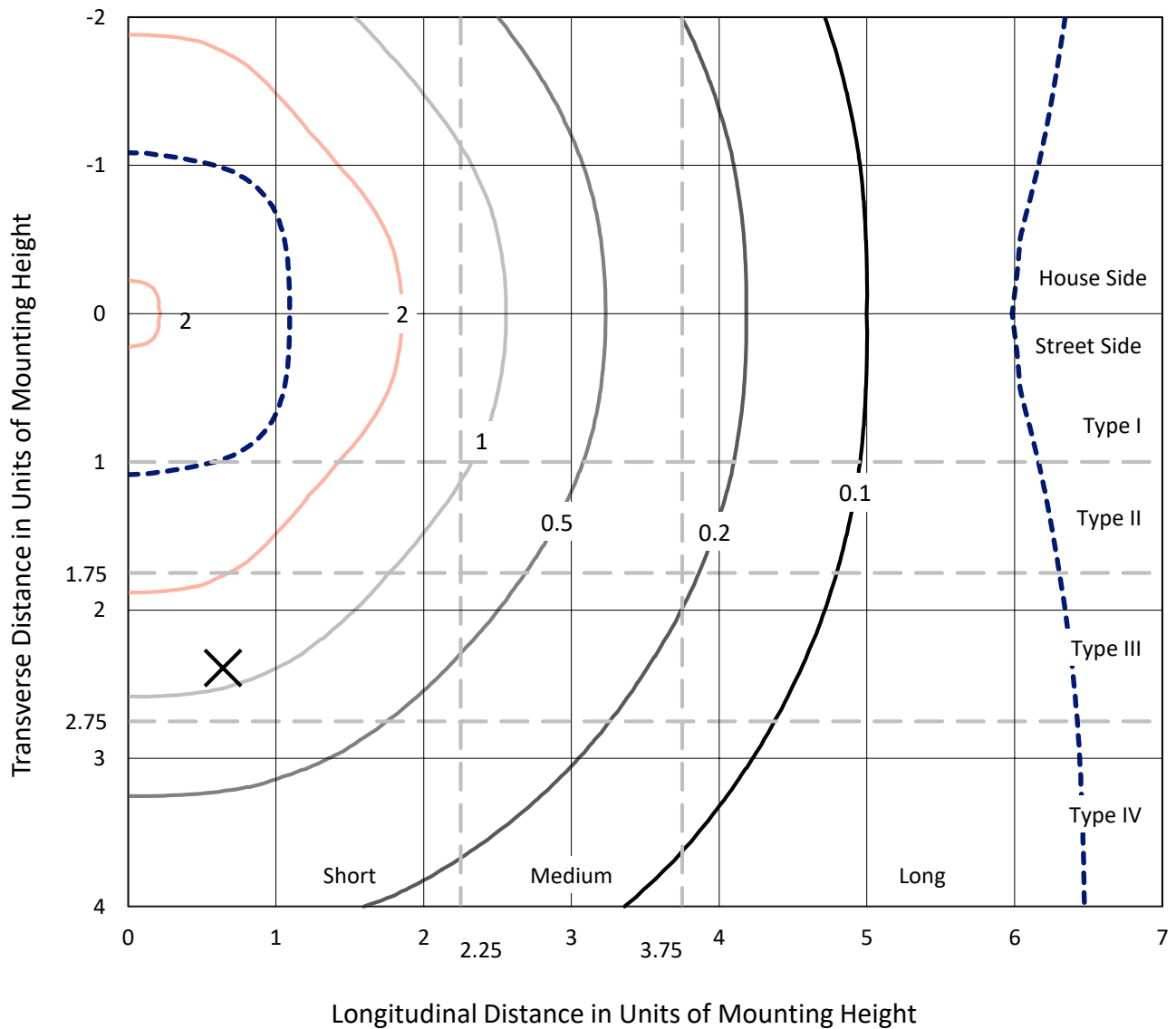


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

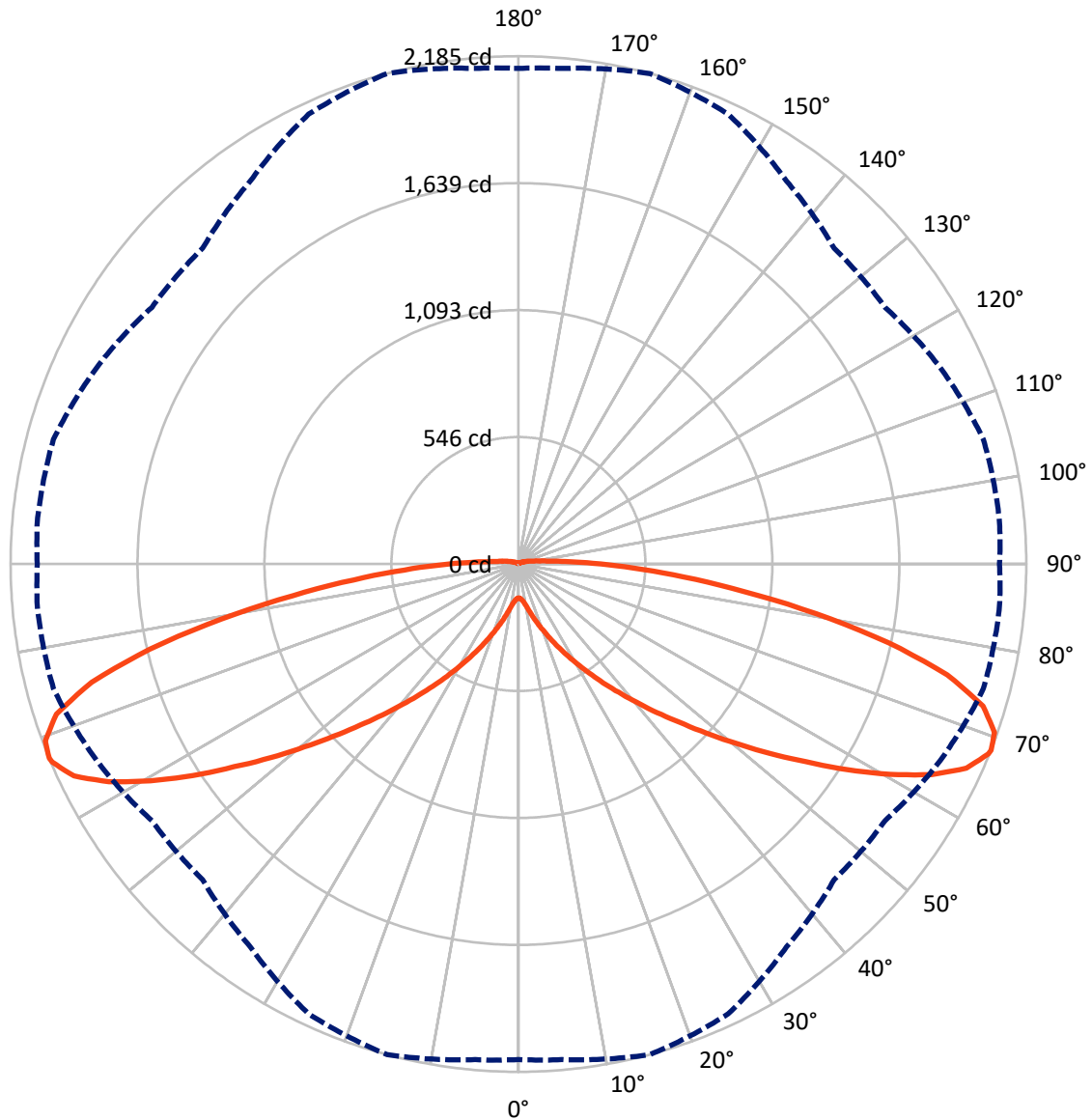


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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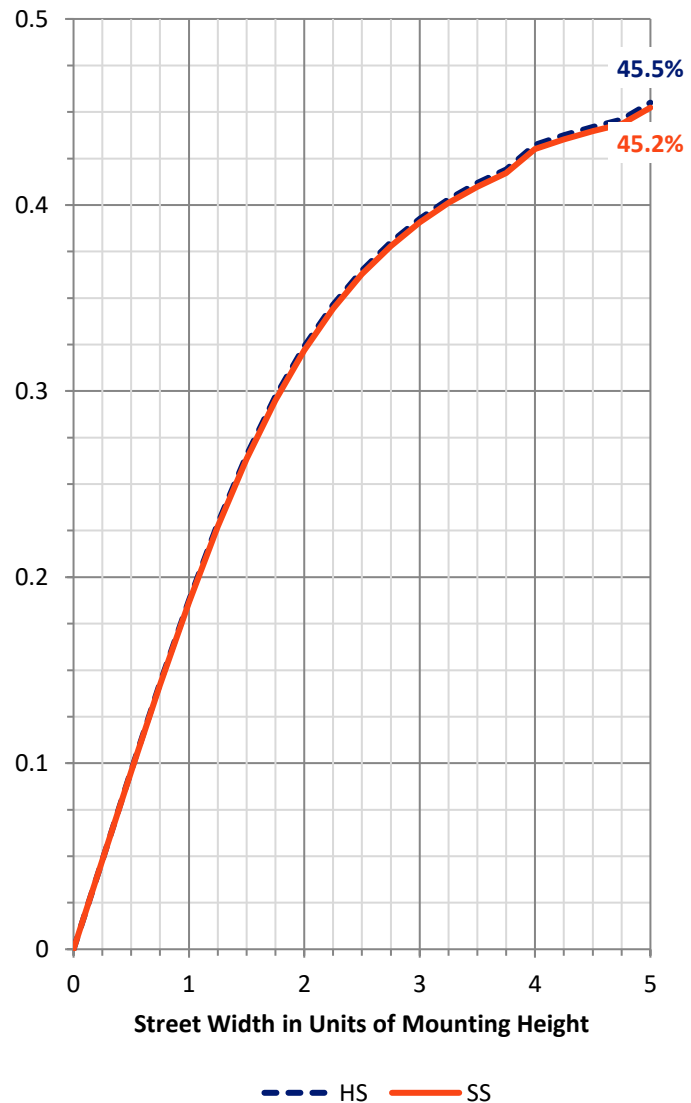
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3668.8	153.0	3821.7
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3668.8	153.0	3821.7
	% Fixture	48.0	2.0	50.0
Total	Lumens	7337.6	305.9	7643.5
	% Fixture	96.0	4.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.2
10°-20°	69.9	0.9
20°-30°	184.2	2.4
30°-40°	386.6	5.1
40°-50°	725.8	9.5
50°-60°	1282.4	16.8
60°-70°	1934.2	25.3
70°-80°	1874.7	24.5
80°-90°	864.1	11.3
90°-100°	205.6	2.7
100°-110°	57.5	0.8
110°-120°	24.1	0.3
120°-130°	10.8	0.1
130°-140°	5.2	0.1
140°-150°	2.2	0.0
150°-160°	0.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7337.6	96.0
0°-180°	7643.5	100.0

Coefficient of Utilization



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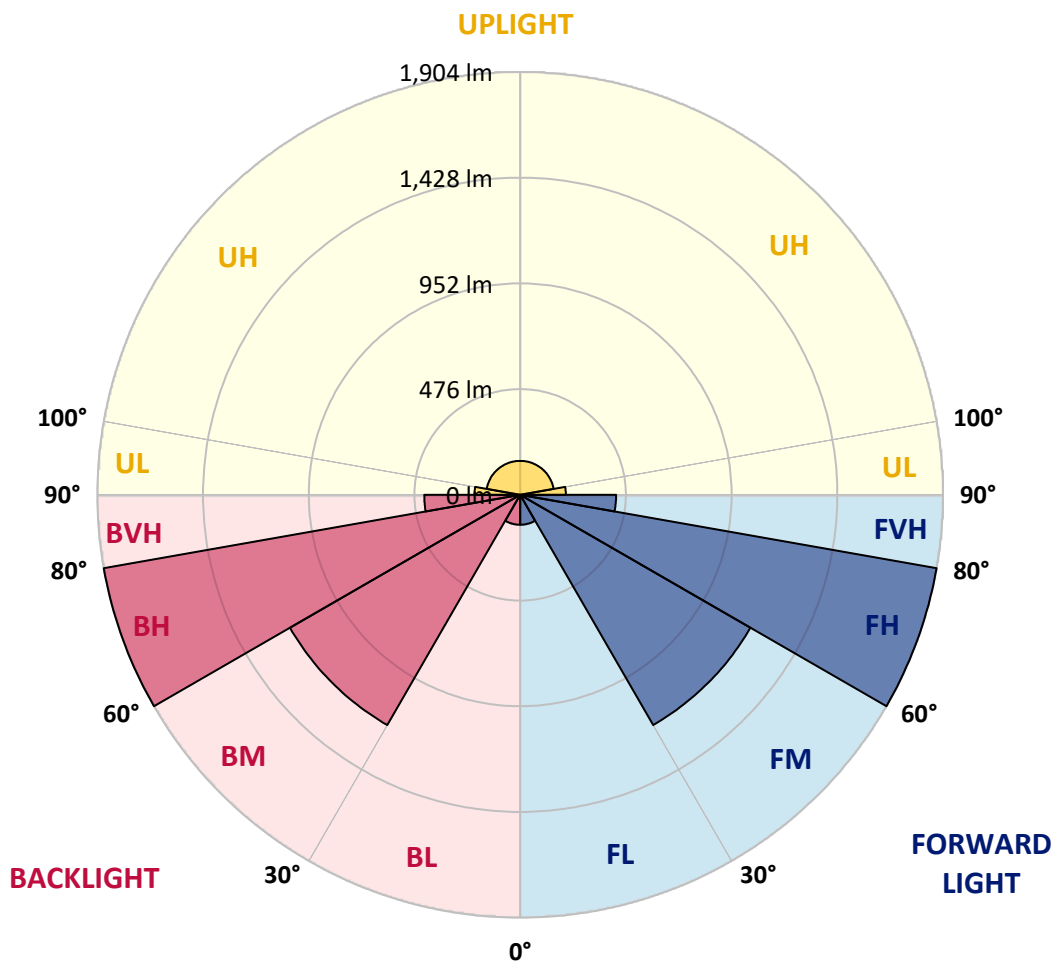
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.9	1.8			
FM (30°-60°)	1197.4	15.7			
FH (60°-80°)	1904.5	24.9			G2/5000
FVH (80°-90°)	432.0	5.7			G3/500
BL (0°-30°)	134.9	1.8	B1/500		
BM (30°-60°)	1197.4	15.7	B2/2500		
BH (60°-80°)	1904.5	24.9	B3/2500		G2/5000
BVH (80°-90°)	432.0	5.7			G3/500
UL (90°-100°)	205.6	2.7		U3/500	
UH (100°-180°)	153.0	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°	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8
2.5°	148.3	148.3	148.3	148.3	148.3	149.1	148.3	148.3	148.3	148.3	148.3
5°	154.3	154.3	154.3	155.2	155.2	155.2	155.2	155.2	155.2	156.0	155.2
7.5°	165.4	165.4	165.4	165.4	165.4	165.4	166.3	167.2	167.2	168.0	168.0
10°	182.6	182.6	181.8	181.8	181.8	182.6	182.6	184.3	185.2	187.7	186.9
12.5°	209.2	209.2	207.5	205.7	204.9	204.0	205.7	209.2	211.8	216.0	215.1
15°	239.2	239.2	237.4	234.9	234.1	233.1	234.1	238.3	242.6	246.8	246.0
17.5°	272.6	271.7	270.1	266.6	266.6	265.8	265.8	270.1	275.2	281.2	281.2
20°	309.4	307.7	305.1	300.8	300.8	300.0	300.8	304.3	312.0	318.9	318.9
22.5°	351.5	349.7	346.3	342.1	339.4	337.8	338.6	343.7	353.2	362.6	363.5
25°	398.6	396.1	392.6	387.5	380.6	377.2	378.9	387.5	399.5	411.4	408.9
27.5°	448.4	447.4	442.3	434.7	424.3	419.2	423.5	433.7	448.4	461.1	462.1
30°	506.7	504.0	497.2	485.2	474.0	463.8	468.0	481.8	501.5	518.6	519.5
32.5°	567.5	566.6	558.9	541.8	522.9	513.5	517.7	537.5	560.6	577.8	581.2
35°	637.8	636.1	627.5	605.2	581.2	568.4	572.6	596.6	624.9	646.3	648.0
37.5°	714.9	710.6	700.3	673.8	642.9	627.5	631.8	659.2	693.5	714.9	720.1
40°	794.6	793.8	781.7	750.9	713.2	691.8	698.7	729.5	769.0	792.9	796.4
42.5°	887.2	885.5	873.5	837.5	791.3	766.4	774.1	810.9	853.8	877.8	882.1
45°	985.0	986.6	970.4	935.2	881.3	852.9	858.1	900.1	947.3	977.2	980.7
47.5°	1098.1	1095.6	1086.1	1042.4	980.7	948.1	954.1	1000.3	1056.1	1084.4	1086.1
50°	1217.2	1214.7	1211.3	1165.9	1094.7	1061.2	1064.7	1115.2	1171.8	1200.9	1208.7
52.5°	1350.1	1351.0	1352.8	1302.9	1223.2	1177.8	1185.5	1243.0	1302.9	1329.5	1336.4
55°	1497.6	1498.4	1501.9	1451.3	1361.2	1310.7	1320.1	1383.5	1447.9	1474.4	1477.0
57.5°	1661.3	1657.0	1670.7	1610.7	1512.1	1453.8	1464.1	1530.1	1598.8	1624.4	1629.6
60°	1825.0	1819.0	1837.9	1777.9	1664.8	1601.3	1606.4	1683.6	1757.3	1773.6	1784.7
62.5°	1963.9	1969.9	1994.8	1933.9	1808.8	1731.5	1740.1	1818.2	1900.4	1916.7	1919.4
65°	2072.8	2081.3	2118.2	2054.8	1930.5	1837.9	1849.9	1930.5	2015.3	2023.1	2021.4
67.5°	2130.2	2138.0	2179.9	2127.6	2001.6	1910.8	1917.6	1995.6	2067.6	2075.4	2067.6
68°	2131.9	2140.5	2185.0	2135.3	2011.0	1921.0	1925.3	2001.6	2071.1	2077.9	2070.1
70°	2106.2	2126.8	2173.1	2136.2	2019.6	1935.6	1936.4	1998.2	2064.2	2059.1	2052.2
72.5°	2006.7	2024.7	2089.9	2074.4	1976.8	1904.7	1894.5	1937.4	1975.9	1961.3	1957.0
75°	1804.5	1821.6	1905.7	1922.7	1867.9	1815.6	1790.8	1804.5	1803.6	1777.1	1766.7
77.5°	1511.3	1535.2	1627.8	1691.3	1673.3	1651.9	1609.8	1589.3	1550.7	1496.7	1479.6
80°	1174.3	1198.4	1298.7	1387.0	1423.0	1425.6	1387.0	1318.4	1241.2	1167.5	1153.0
82.5°	870.9	895.8	979.8	1089.5	1136.7	1164.1	1121.3	1033.0	946.3	864.9	850.4
85°	608.7	626.7	711.5	800.7	869.2	899.3	852.1	776.6	689.2	618.9	605.2
87.5°	414.9	425.1	492.0	581.2	645.5	674.6	634.3	560.6	480.1	415.7	401.2
90°	263.2	270.1	319.8	394.3	459.5	485.2	453.5	389.1	315.5	263.2	253.7
92.5°	161.1	164.6	201.4	261.5	316.3	345.5	317.2	259.7	199.8	162.0	156.9
95°	105.5	108.0	129.4	168.0	213.5	234.9	216.0	173.2	132.9	108.0	104.5
97.5°	78.1	79.7	92.6	113.1	140.6	156.9	144.0	118.3	95.1	79.7	77.1
100°	60.9	61.7	70.3	83.2	98.6	108.0	101.2	86.5	72.0	60.9	60.0
102.5°	48.9	48.9	56.6	66.0	75.4	80.6	76.3	68.5	56.6	48.0	47.2
105°	38.6	39.4	45.4	54.0	60.9	64.2	61.7	55.8	45.4	37.7	36.8
107.5°	30.9	30.9	36.8	44.6	51.5	54.0	51.5	46.3	36.0	30.0	29.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	24.0	24.9	29.2	36.8	42.9	45.4	42.9	37.7	29.2	24.0	23.1
112.5°	19.7	19.7	23.1	30.0	36.0	37.7	36.0	30.0	23.1	18.8	18.8
115°	16.3	16.3	18.8	24.9	30.0	31.7	30.0	24.9	18.8	15.4	15.4
117.5°	13.7	14.5	16.3	20.6	24.9	25.7	24.9	20.6	15.4	13.7	12.9
120°	12.0	12.9	13.7	17.2	20.6	21.4	19.7	16.3	12.9	12.0	11.2
122.5°	11.2	11.2	12.0	13.7	17.2	18.0	16.3	13.7	11.2	10.3	10.3
125°	10.3	10.3	10.3	12.0	13.7	14.5	13.7	11.2	9.4	9.4	9.4
127.5°	9.4	9.4	9.4	10.3	12.0	12.0	11.2	9.4	8.6	8.6	8.6
130°	8.6	8.6	8.6	8.6	9.4	10.3	9.4	8.6	7.7	7.7	7.7
132.5°	7.7	7.7	7.7	7.7	7.7	8.6	7.7	6.9	6.9	6.9	6.9
135°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.0	6.0	6.0	6.0
137.5°	6.0	6.0	6.0	6.0	6.0	6.0	5.1	5.1	5.1	6.0	6.0
140°	5.1	5.1	5.1	5.1	4.3	4.3	4.3	4.3	5.1	5.1	5.1
142.5°	5.1	5.1	4.3	4.3	3.5	3.5	3.5	3.5	4.3	4.3	4.3
145°	4.3	4.3	3.5	3.5	3.5	2.6	2.6	3.5	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	2.6	2.6	2.6	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6
152.5°	1.7	1.7	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7	1.7
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	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)