

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: P416216

Luminaire Tested: **LXF.LXT-PA1-70-727-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416216
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-PA1-70-727-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA 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: 7020 lumens
Efficiency: N/A
Efficacy: 94.9 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): 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

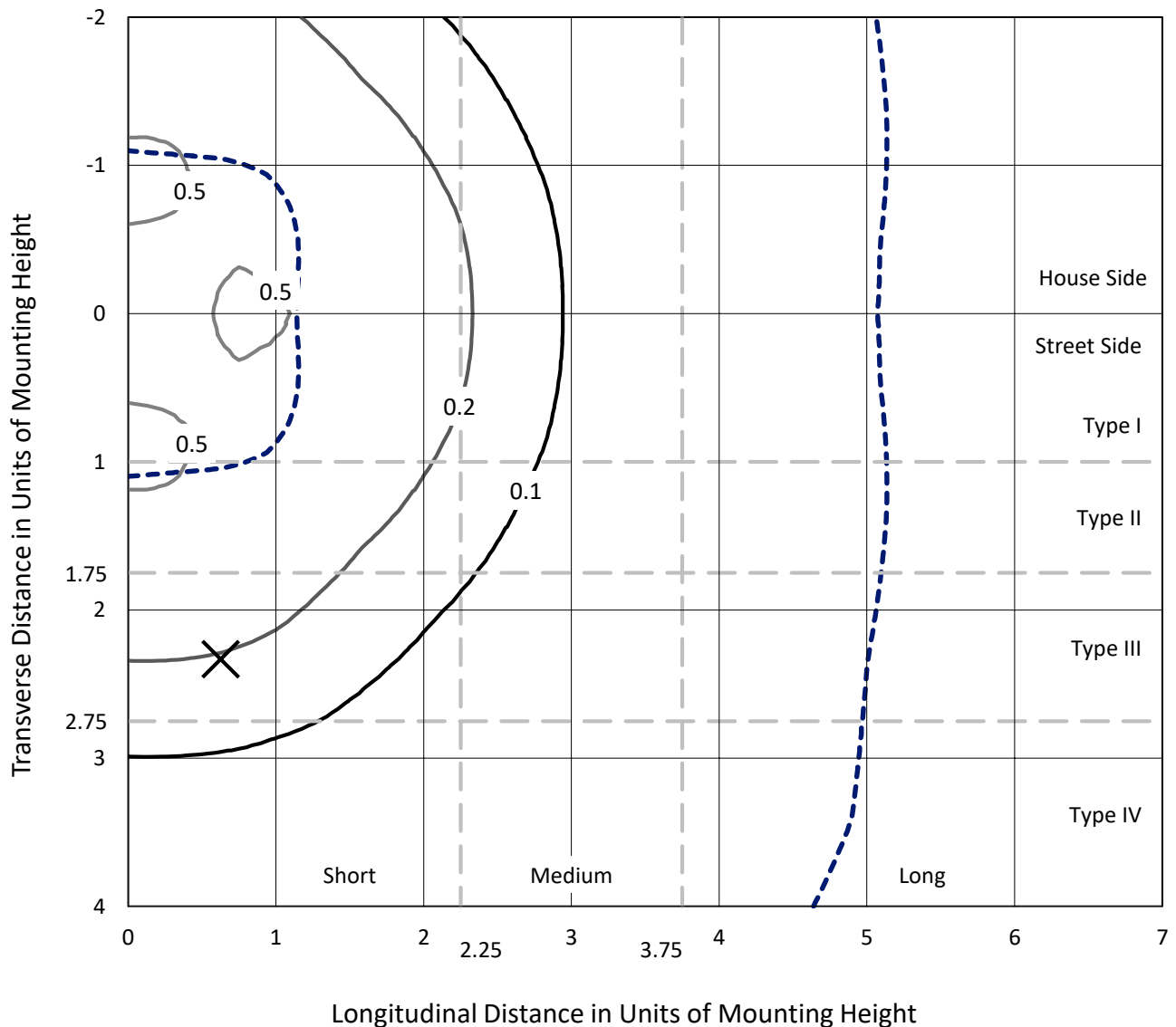


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

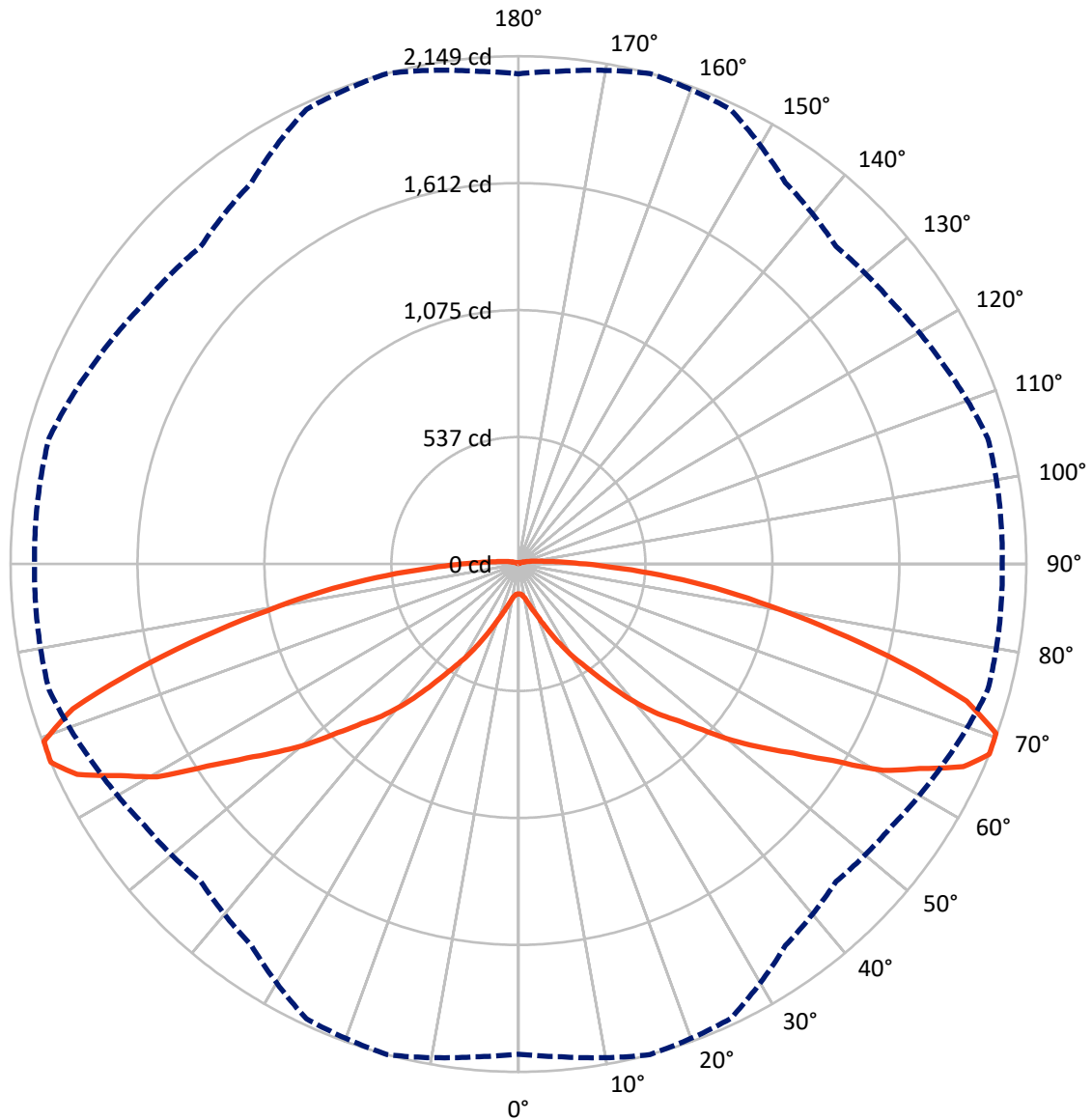


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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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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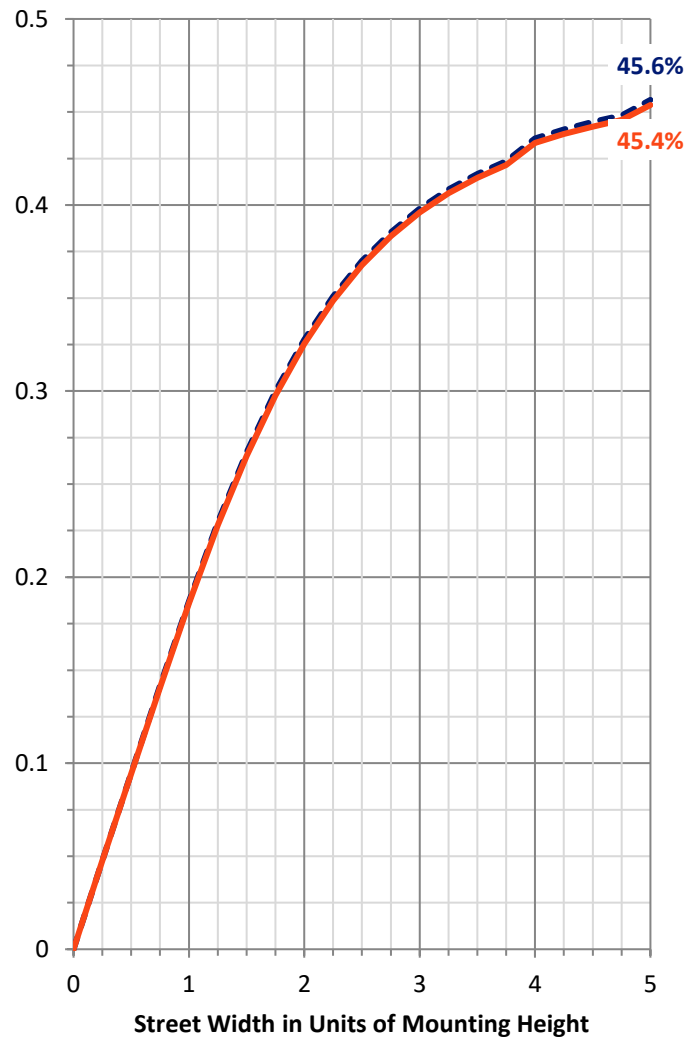
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3371.5	138.5	3510.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3371.5	138.5	3510.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	6743.0	277.1	7020.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.2
10°-20°	52.4	0.7
20°-30°	151.2	2.2
30°-40°	355.9	5.1
40°-50°	670.9	9.6
50°-60°	1196.5	17.0
60°-70°	1891.7	26.9
70°-80°	1666.7	23.7
80°-90°	744.9	10.6
90°-100°	185.0	2.6
100°-110°	51.0	0.7
110°-120°	20.4	0.3
120°-130°	10.8	0.2
130°-140°	6.3	0.1
140°-150°	2.7	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6743.0	96.1
0°-180°	7020.0	100.0



--- HS — SS

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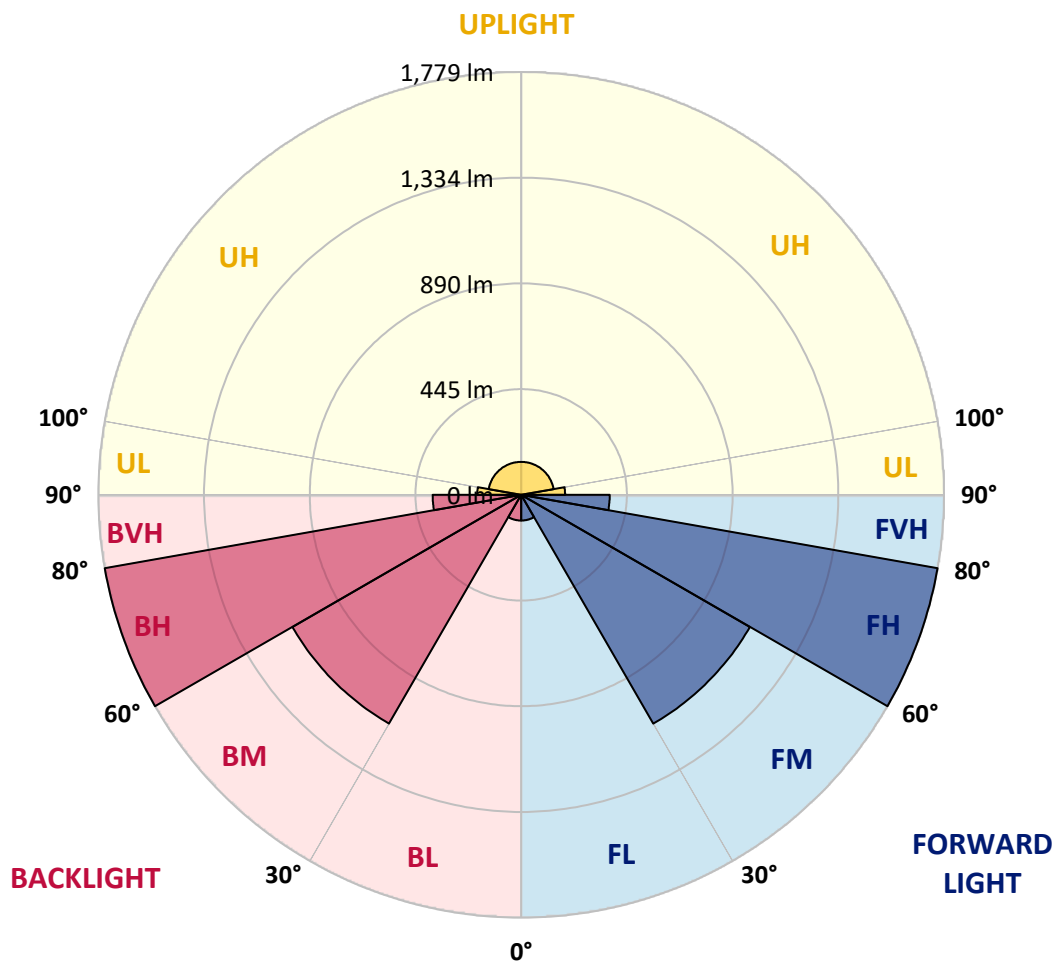
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.2	1.5			
FM	(30°-60°)	1111.7	15.8			
FH	(60°-80°)	1779.2	25.3			G1/1800
FVH	(80°-90°)	372.5	5.3			G3/500
BL	(0°-30°)	108.2	1.5	B0/110		
BM	(30°-60°)	1111.7	15.8	B2/2500		
BH	(60°-80°)	1779.2	25.3	B3/2500		G1/1800
BVH	(80°-90°)	372.5	5.3			G3/500
UL	(90°-100°)	185.0	2.6		U3/500	
UH	(100°-180°)	138.5	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°	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3
2.5°	126.3	126.3	127.0	127.0	127.8	128.5	127.8	127.0	126.3	125.5	125.5
5°	130.1	130.1	130.1	130.1	130.8	130.8	130.1	128.5	127.8	127.0	127.0
7.5°	136.2	136.2	136.2	136.2	136.2	135.4	133.9	132.4	131.6	130.8	130.8
10°	146.1	146.1	144.6	144.6	143.8	143.1	141.6	140.0	138.5	139.3	139.3
12.5°	163.0	163.7	161.4	157.6	154.6	153.0	152.3	152.3	154.6	154.6	155.3
15°	187.5	187.5	183.6	178.3	172.2	167.6	169.1	172.9	176.8	179.0	179.0
17.5°	214.2	214.2	210.4	203.5	195.1	192.8	192.1	195.9	204.3	207.4	208.1
20°	247.9	247.9	241.0	231.1	223.4	220.4	220.4	226.5	235.7	242.6	241.8
22.5°	293.8	293.1	283.1	266.3	256.3	251.7	251.0	259.4	275.5	286.2	289.2
25°	348.9	348.1	335.1	312.9	297.6	285.4	288.5	303.0	327.5	344.3	344.3
27.5°	411.7	408.6	391.8	367.3	344.3	328.3	332.8	353.5	384.1	407.1	407.8
30°	472.9	472.9	454.5	425.4	394.8	374.9	380.3	409.4	446.1	482.0	482.8
32.5°	537.9	537.1	514.2	485.1	447.6	425.4	433.8	469.8	521.8	563.2	570.8
35°	621.3	622.1	589.9	550.1	502.7	478.2	489.7	536.4	598.3	648.1	652.7
37.5°	710.8	715.4	680.2	629.0	565.4	535.6	552.4	606.8	678.7	730.7	730.7
40°	807.2	809.5	777.4	712.4	635.8	596.8	619.0	677.2	732.3	776.6	778.9
42.5°	889.1	891.4	866.2	802.6	716.9	670.3	683.3	727.7	779.7	829.4	834.0
45°	953.4	961.0	945.7	891.4	804.2	747.6	746.0	791.2	853.9	905.9	912.1
47.5°	1069.7	1073.5	1046.7	982.5	893.7	831.7	825.6	870.7	952.6	1008.5	1012.3
50°	1172.2	1183.7	1173.7	1104.9	999.3	924.3	925.1	984.8	1073.5	1130.1	1135.5
52.5°	1287.8	1293.1	1290.0	1231.1	1128.6	1039.8	1049.8	1117.1	1212.8	1248.0	1254.1
55°	1393.3	1401.8	1412.5	1368.9	1267.1	1189.0	1198.2	1270.2	1334.4	1368.1	1371.2
57.5°	1560.9	1569.3	1568.6	1504.3	1417.1	1341.3	1356.6	1413.2	1497.4	1554.8	1564.7
60°	1743.0	1755.3	1774.4	1691.0	1560.1	1507.4	1526.5	1608.4	1704.0	1712.4	1723.1
62.5°	1864.7	1870.8	1906.8	1879.2	1727.0	1663.4	1713.9	1783.6	1833.3	1841.0	1837.9
65°	2023.8	2043.7	2069.0	2005.5	1883.0	1795.8	1854.0	1906.0	1995.5	2003.2	2001.6
67.5°	2074.3	2093.5	2149.3	2123.3	1970.3	1900.6	1930.5	1987.9	2056.7	2050.6	2047.6
70°	2078.2	2096.5	2144.0	2130.2	1990.2	1893.8	1924.4	1946.5	2010.1	2010.8	2002.4
72.5°	1870.0	1902.2	1983.3	2007.8	1885.3	1786.6	1788.9	1788.2	1792.8	1742.3	1722.4
75°	1575.5	1598.4	1678.0	1736.9	1674.2	1589.2	1587.7	1523.4	1509.6	1471.4	1457.6
77.5°	1261.7	1290.0	1366.6	1430.8	1408.6	1362.7	1339.0	1266.3	1246.4	1202.8	1208.2
80°	980.9	1003.1	1078.9	1162.3	1168.4	1136.3	1110.2	1050.6	1011.5	974.8	958.7
82.5°	755.2	774.3	839.4	929.7	967.2	963.3	926.6	859.3	824.1	788.9	768.2
85°	521.8	538.7	602.9	712.4	779.7	803.4	762.1	677.2	614.4	564.7	553.2
87.5°	336.7	344.3	395.6	490.5	591.5	647.3	603.7	497.3	418.5	378.8	365.7
90°	210.4	221.9	258.6	317.5	416.2	487.4	443.0	335.1	278.5	238.0	229.5
92.5°	146.1	144.6	169.9	211.2	283.9	342.0	303.8	221.9	176.0	149.2	143.8
95°	96.4	100.2	114.0	140.0	192.1	228.0	200.5	147.7	115.5	96.4	94.1
97.5°	71.9	72.7	83.4	99.5	130.8	150.0	133.1	102.5	81.9	69.6	68.9
100°	56.6	57.4	65.0	74.2	91.8	104.1	93.3	77.3	63.5	54.3	54.3
102.5°	44.4	45.1	50.5	58.2	69.6	77.3	71.2	59.7	49.7	42.8	42.1
105°	35.2	35.2	39.8	45.9	54.3	59.7	55.9	46.7	38.3	33.7	33.7
107.5°	27.5	28.3	31.4	36.0	43.6	49.0	44.4	36.0	29.8	26.0	26.0
110°	22.2	22.2	24.5	29.1	35.2	39.8	36.0	29.1	23.7	21.4	21.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	18.4	18.4	19.9	23.7	29.1	32.9	29.1	23.7	19.1	17.6	17.6
115°	15.3	15.3	16.8	19.1	24.5	26.8	24.5	19.1	16.1	14.5	14.5
117.5°	13.8	13.8	14.5	16.8	20.7	22.2	20.7	16.1	13.8	13.0	13.0
120°	12.2	12.2	13.0	14.5	17.6	19.1	17.6	14.5	12.2	11.5	11.5
122.5°	11.5	11.5	11.5	13.0	16.1	16.8	15.3	13.0	10.7	10.7	10.7
125°	10.7	10.7	10.7	11.5	13.8	14.5	13.8	11.5	9.9	9.9	9.9
127.5°	9.9	9.9	9.9	10.7	12.2	13.0	12.2	10.7	9.2	9.2	9.2
130°	9.9	9.9	9.2	9.9	10.7	11.5	10.7	9.9	9.2	8.4	9.2
132.5°	9.2	9.2	9.2	9.2	9.9	9.9	9.9	9.2	8.4	8.4	8.4
135°	8.4	8.4	7.7	7.7	8.4	9.2	8.4	7.7	7.7	7.7	7.7
137.5°	7.7	6.9	6.9	6.9	7.7	7.7	7.7	6.9	6.9	6.9	6.9
140°	6.1	6.1	6.1	6.1	6.1	6.9	6.1	5.4	5.4	6.1	6.1
142.5°	5.4	5.4	5.4	4.6	5.4	5.4	5.4	4.6	4.6	4.6	4.6
145°	4.6	4.6	4.6	3.8	4.6	4.6	4.6	3.8	3.8	3.8	3.8
147.5°	3.1	3.8	3.1	3.1	3.8	3.8	3.1	3.1	3.1	3.1	3.1
150°	2.3	2.3	2.3	2.3	3.1	3.1	2.3	2.3	2.3	2.3	2.3
152.5°	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	1.5	1.5	1.5
155°	1.5	1.5	1.5	1.5	2.3	2.3	1.5	1.5	1.5	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	1.5	2.3	1.5	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.8	1.5	2.3	1.5	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)