

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: P416476

Luminaire Tested: **LXF.LXT-PA1-70-827-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416476
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-PA1-70-827-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 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: 6171 lumens
Efficiency: N/A
Efficacy: 83.4 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 (A_{in}): 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

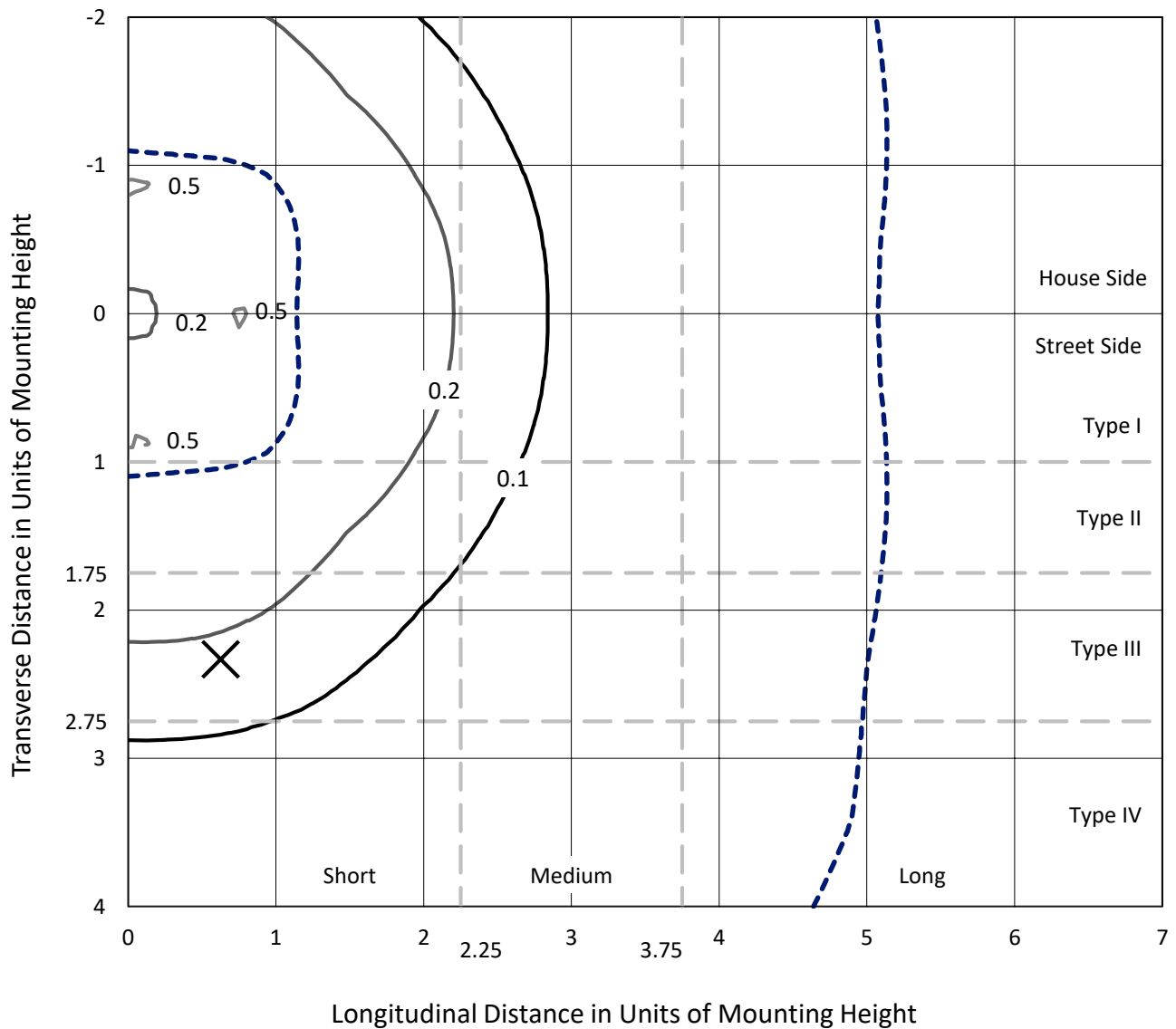


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

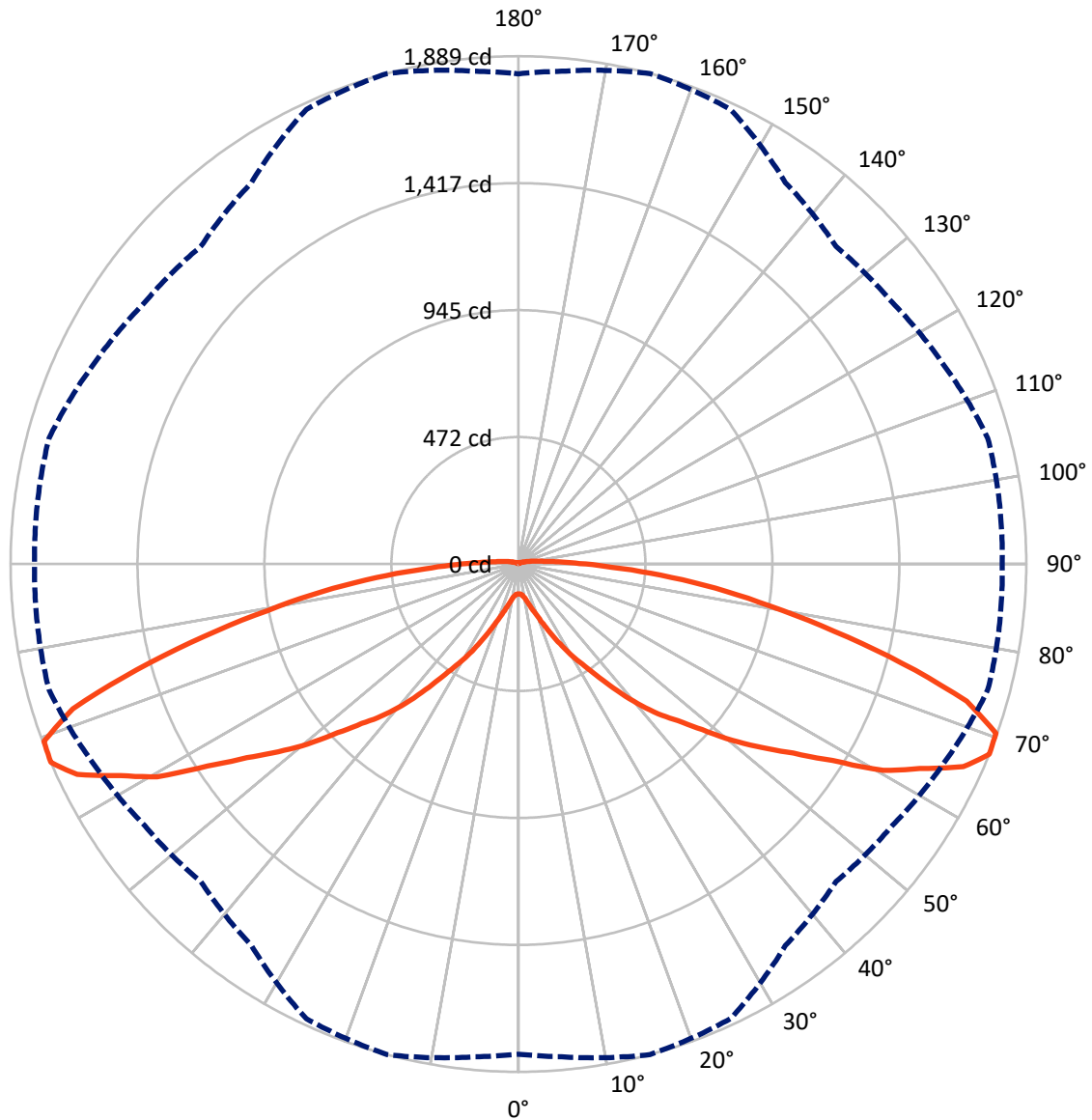


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - Non-Cutoff

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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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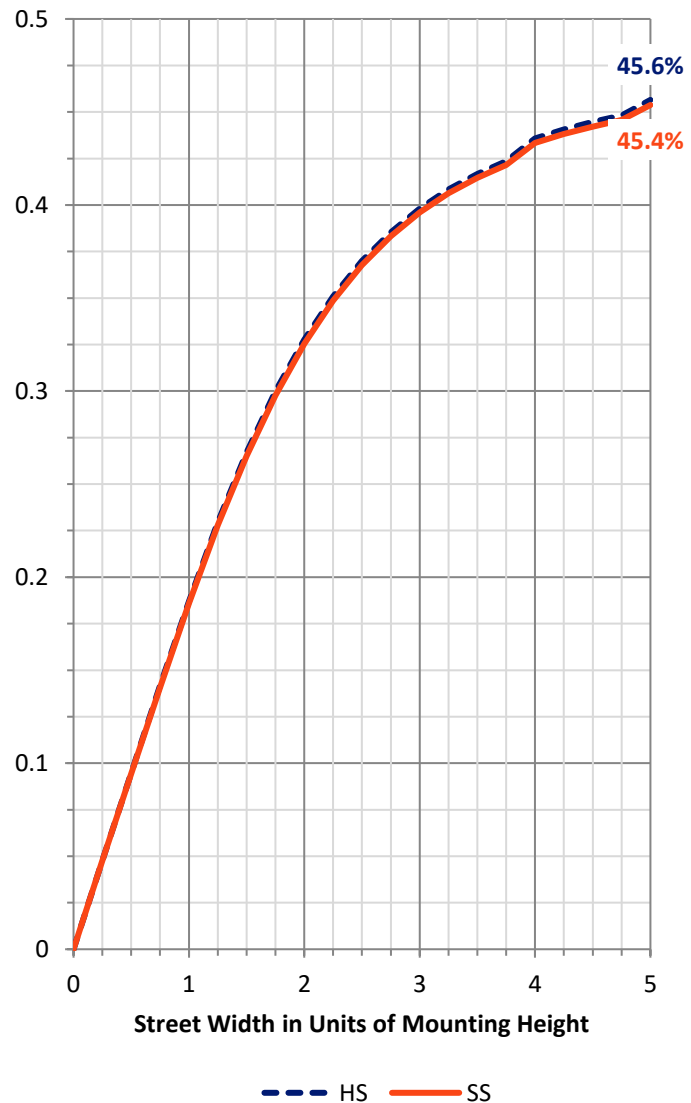
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2963.7	121.8	3085.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	2963.7	121.8	3085.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	5927.4	243.5	6171.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.2
10°-20°	46.1	0.7
20°-30°	132.9	2.2
30°-40°	312.9	5.1
40°-50°	589.8	9.6
50°-60°	1051.8	17.0
60°-70°	1662.9	26.9
70°-80°	1465.1	23.7
80°-90°	654.8	10.6
90°-100°	162.6	2.6
100°-110°	44.8	0.7
110°-120°	18.0	0.3
120°-130°	9.5	0.2
130°-140°	5.6	0.1
140°-150°	2.4	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5927.4	96.1
0°-180°	6171.0	100.0



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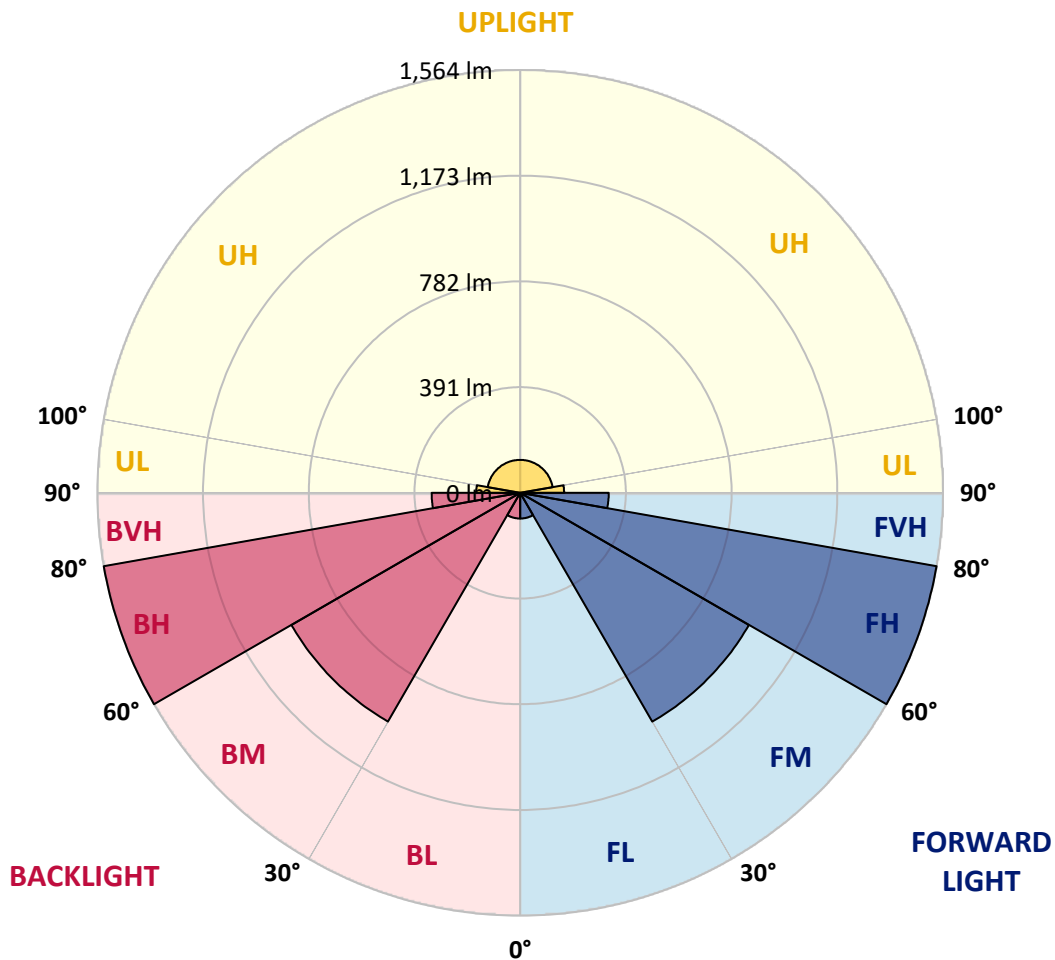
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.1	1.5			
FM (30°-60°)	977.2	15.8			
FH (60°-80°)	1564.0	25.3			G1/1800
FVH (80°-90°)	327.4	5.3			G3/500
BL (0°-30°)	95.1	1.5	B0/110		
BM (30°-60°)	977.2	15.8	B1/1000		
BH (60°-80°)	1564.0	25.3	B3/2500		G1/1800
BVH (80°-90°)	327.4	5.3			G3/500
UL (90°-100°)	162.6	2.6		U3/500	
UH (100°-180°)	121.8	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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	111.0	111.0	111.7	111.7	112.3	113.0	112.3	111.7	111.0	110.3	110.3
5°	114.3	114.3	114.3	114.3	115.0	115.0	114.3	113.0	112.3	111.7	111.7
7.5°	119.7	119.7	119.7	119.7	119.7	119.1	117.7	116.4	115.7	115.0	115.0
10°	128.5	128.5	127.1	127.1	126.5	125.8	124.4	123.1	121.7	122.4	122.4
12.5°	143.3	143.9	141.9	138.6	135.9	134.5	133.9	133.9	135.9	135.9	136.5
15°	164.8	164.8	161.4	156.7	151.3	147.3	148.6	152.0	155.4	157.4	157.4
17.5°	188.3	188.3	185.0	178.9	171.5	169.5	168.8	172.2	179.6	182.3	183.0
20°	217.9	217.9	211.9	203.1	196.4	193.7	193.7	199.1	207.2	213.2	212.5
22.5°	258.3	257.6	248.9	234.1	225.3	221.3	220.6	228.0	242.1	251.6	254.2
25°	306.7	306.0	294.6	275.1	261.6	250.9	253.6	266.4	287.9	302.7	302.7
27.5°	361.9	359.2	344.4	322.9	302.7	288.6	292.6	310.7	337.7	357.8	358.5
30°	415.7	415.7	399.5	374.0	347.1	329.6	334.3	359.8	392.1	423.7	424.4
32.5°	472.8	472.2	452.0	426.4	393.5	374.0	381.4	413.0	458.7	495.0	501.8
35°	546.2	546.8	518.6	483.6	441.9	420.4	430.5	471.5	526.0	569.7	573.7
37.5°	624.9	628.9	598.0	552.9	497.1	470.8	485.6	533.4	596.6	642.3	642.3
40°	709.6	711.6	683.4	626.2	558.9	524.6	544.1	595.3	643.7	682.7	684.7
42.5°	781.6	783.6	761.4	705.6	630.2	589.2	600.6	639.7	685.4	729.1	733.2
45°	838.1	844.8	831.4	783.6	706.9	657.1	655.8	695.5	750.6	796.4	801.8
47.5°	940.3	943.7	920.1	863.6	785.6	731.1	725.8	765.4	837.4	886.5	889.9
50°	1030.4	1040.5	1031.8	971.3	878.4	812.5	813.2	865.7	943.7	993.5	998.2
52.5°	1132.0	1136.7	1134.0	1082.2	992.1	914.1	922.8	982.0	1066.1	1097.0	1102.4
55°	1224.8	1232.2	1241.6	1203.3	1113.9	1045.2	1053.3	1116.5	1173.0	1202.6	1205.3
57.5°	1372.1	1379.5	1378.9	1322.4	1245.7	1179.1	1192.5	1242.3	1316.3	1366.8	1375.5
60°	1532.2	1543.0	1559.8	1486.5	1371.5	1325.1	1341.9	1413.8	1497.9	1505.3	1514.7
62.5°	1639.2	1644.5	1676.2	1651.9	1518.1	1462.3	1506.7	1567.9	1611.6	1618.3	1615.6
65°	1779.1	1796.6	1818.8	1762.9	1655.3	1578.6	1629.7	1675.5	1754.2	1760.9	1759.6
67.5°	1823.5	1840.3	1889.4	1866.5	1732.0	1670.8	1697.0	1747.5	1808.0	1802.6	1799.9
70°	1826.8	1843.0	1884.7	1872.6	1749.5	1664.7	1691.6	1711.1	1767.0	1767.6	1760.2
72.5°	1643.9	1672.1	1743.4	1764.9	1657.3	1570.6	1572.6	1571.9	1575.9	1531.5	1514.1
75°	1384.9	1405.1	1475.0	1526.8	1471.7	1397.0	1395.7	1339.2	1327.1	1293.4	1281.3
77.5°	1109.1	1134.0	1201.3	1257.8	1238.3	1197.9	1177.1	1113.2	1095.7	1057.4	1062.1
80°	862.3	881.8	948.4	1021.7	1027.1	998.8	976.0	923.5	889.2	856.9	842.8
82.5°	663.9	680.7	737.9	817.2	850.2	846.8	814.5	755.3	724.4	693.5	675.3
85°	458.7	473.5	530.0	626.2	685.4	706.2	669.9	595.3	540.1	496.4	486.3
87.5°	296.0	302.7	347.7	431.1	519.9	569.0	530.7	437.2	367.9	332.9	321.5
90°	185.0	195.1	227.3	279.1	365.9	428.5	389.4	294.6	244.8	209.2	201.8
92.5°	128.5	127.1	149.3	185.6	249.5	300.7	267.0	195.1	154.7	131.2	126.5
95°	84.7	88.1	100.2	123.1	168.8	200.4	176.2	129.8	101.6	84.7	82.7
97.5°	63.2	63.9	73.3	87.4	115.0	131.8	117.0	90.1	72.0	61.2	60.5
100°	49.8	50.4	57.2	65.2	80.7	91.5	82.1	67.9	55.8	47.8	47.8
102.5°	39.0	39.7	44.4	51.1	61.2	67.9	62.6	52.5	43.7	37.7	37.0
105°	30.9	30.9	35.0	40.4	47.8	52.5	49.1	41.0	33.6	29.6	29.6
107.5°	24.2	24.9	27.6	31.6	38.3	43.0	39.0	31.6	26.2	22.9	22.9
110°	19.5	19.5	21.5	25.6	30.9	35.0	31.6	25.6	20.9	18.8	18.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.1	16.1	17.5	20.9	25.6	28.9	25.6	20.9	16.8	15.5	15.5
115°	13.5	13.5	14.8	16.8	21.5	23.5	21.5	16.8	14.1	12.8	12.8
117.5°	12.1	12.1	12.8	14.8	18.2	19.5	18.2	14.1	12.1	11.4	11.4
120°	10.8	10.8	11.4	12.8	15.5	16.8	15.5	12.8	10.8	10.1	10.1
122.5°	10.1	10.1	10.1	11.4	14.1	14.8	13.5	11.4	9.4	9.4	9.4
125°	9.4	9.4	9.4	10.1	12.1	12.8	12.1	10.1	8.7	8.7	8.7
127.5°	8.7	8.7	8.7	9.4	10.8	11.4	10.8	9.4	8.1	8.1	8.1
130°	8.7	8.7	8.1	8.7	9.4	10.1	9.4	8.7	8.1	7.4	8.1
132.5°	8.1	8.1	8.1	8.1	8.7	8.7	8.7	8.1	7.4	7.4	7.4
135°	7.4	7.4	6.7	6.7	7.4	8.1	7.4	6.7	6.7	6.7	6.7
137.5°	6.7	6.1	6.1	6.1	6.7	6.7	6.7	6.1	6.1	6.1	6.1
140°	5.4	5.4	5.4	5.4	5.4	6.1	5.4	4.7	4.7	5.4	5.4
142.5°	4.7	4.7	4.7	4.0	4.7	4.7	4.7	4.0	4.0	4.0	4.0
145°	4.0	4.0	4.0	3.4	4.0	4.0	4.0	3.4	3.4	3.4	3.4
147.5°	2.7	3.4	2.7	2.7	3.4	3.4	2.7	2.7	2.7	2.7	2.7
150°	2.0	2.0	2.0	2.0	2.7	2.7	2.0	2.0	2.0	2.0	2.0
152.5°	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0	1.3	1.3	1.3
155°	1.3	1.3	1.3	1.3	2.0	2.0	1.3	1.3	1.3	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	1.3	2.0	1.3	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.7	1.3	2.0	1.3	0.7	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)