

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: P416948

Luminaire Tested: **LXF.LXT-PA1-80-830-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-830-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 7260 lumens
Efficiency: N/A
Efficacy: 87.5 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): 83
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

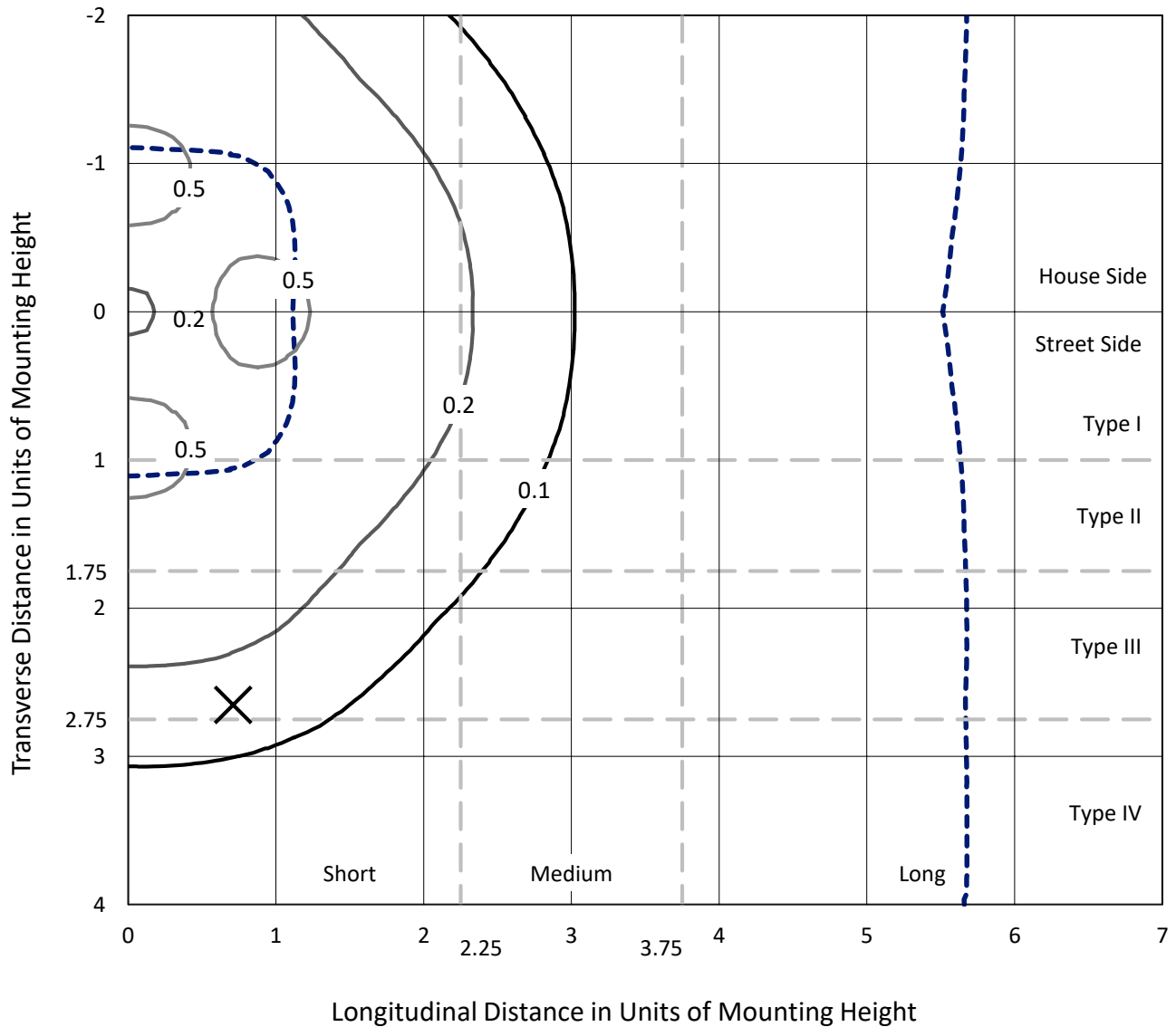


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Iso-Footcandle Lines of Horizontal Illumination

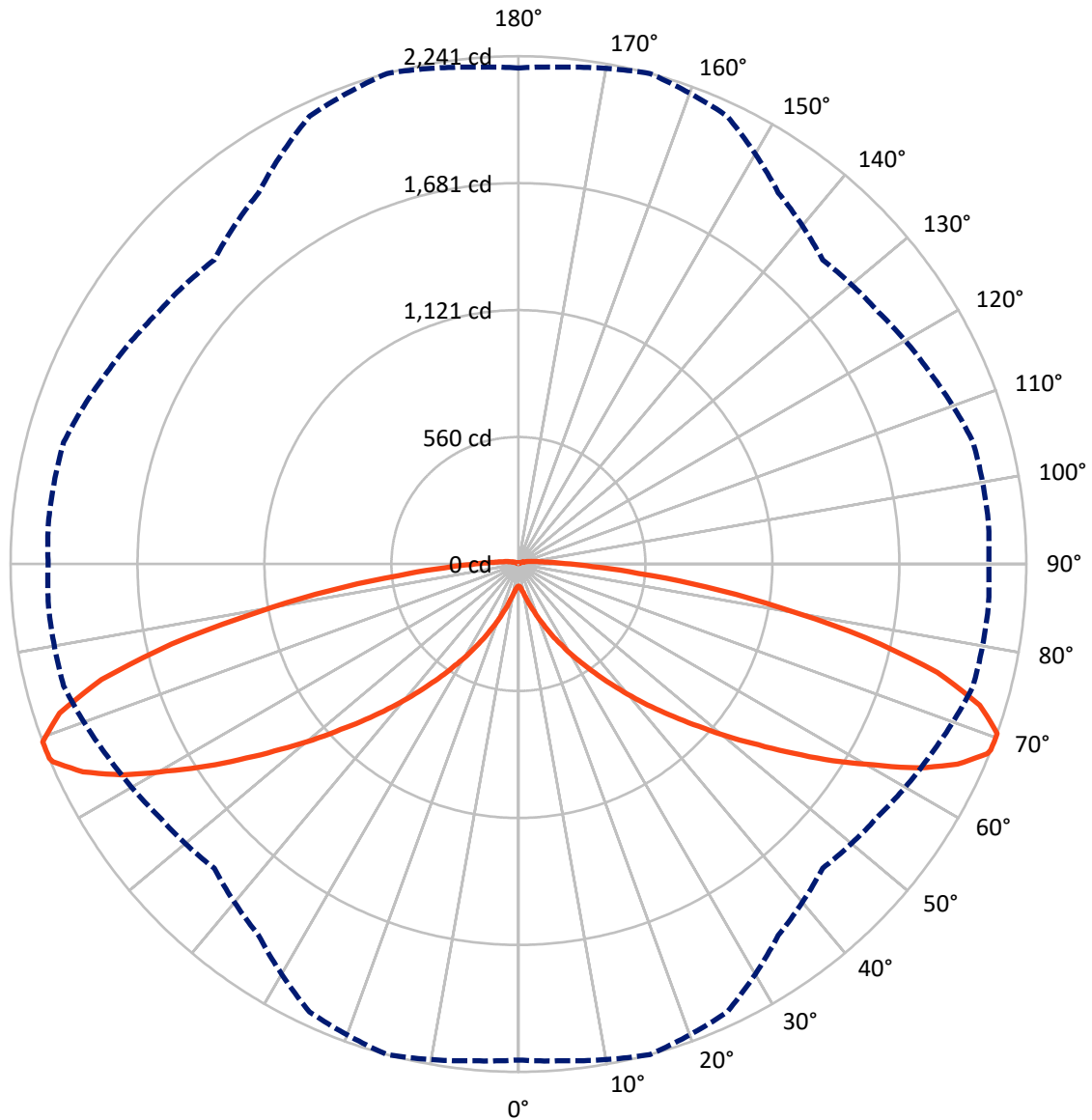
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical



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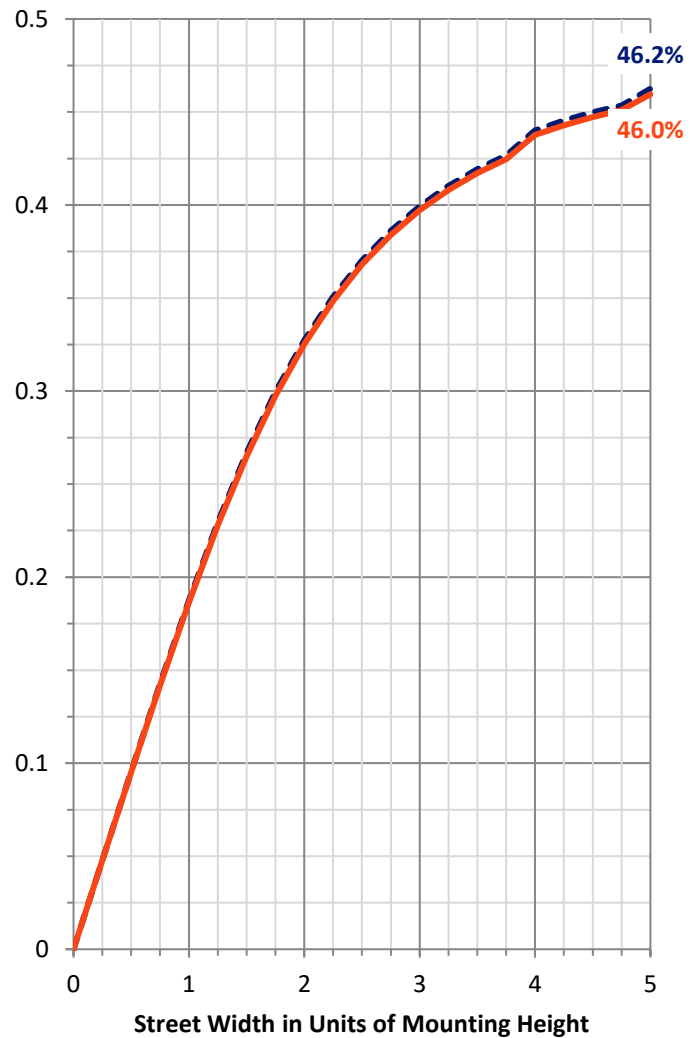
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3502.2	127.8	3630.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3502.2	127.8	3630.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	7004.3	255.7	7260.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.1
10°-20°	52.4	0.7
20°-30°	157.7	2.2
30°-40°	362.5	5.0
40°-50°	697.1	9.6
50°-60°	1232.6	17.0
60°-70°	1910.1	26.3
70°-80°	1853.8	25.5
80°-90°	727.1	10.0
90°-100°	156.5	2.2
100°-110°	53.5	0.7
110°-120°	23.5	0.3
120°-130°	11.9	0.2
130°-140°	6.4	0.1
140°-150°	3.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7004.3	96.5
0°-180°	7260.0	100.0



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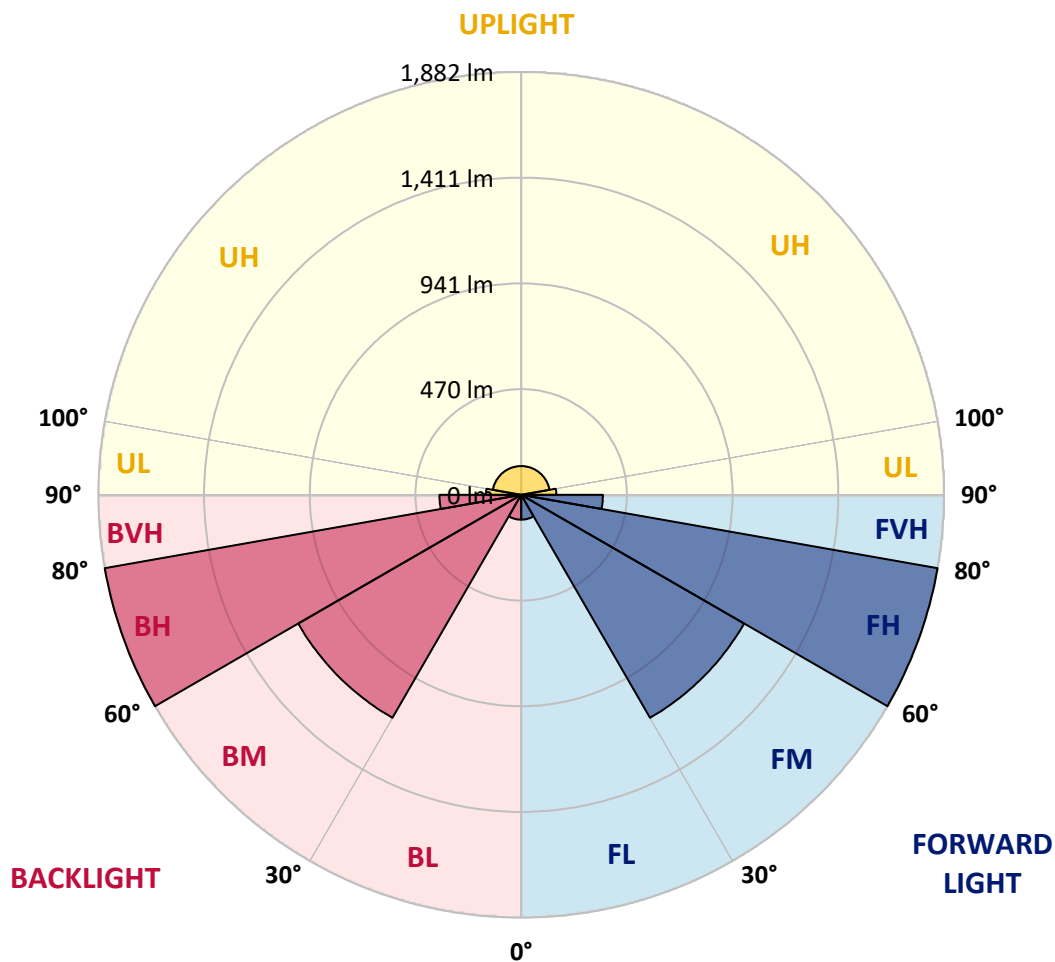
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.5	1.5			
FM (30°-60°)	1146.1	15.8			
FH (60°-80°)	1882.0	25.9			G2/5000
FVH (80°-90°)	363.6	5.0			G3/500
BL (0°-30°)	110.5	1.5	B1/500		
BM (30°-60°)	1146.1	15.8	B2/2500		
BH (60°-80°)	1882.0	25.9	B3/2500		G2/5000
BVH (80°-90°)	363.6	5.0			G3/500
UL (90°-100°)	156.5	2.2		U3/500	
UH (100°-180°)	127.8	1.8		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°	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2.5°	99.3	99.3	99.3	100.1	100.1	100.9	100.1	99.3	99.3	98.5	98.5
5°	106.5	106.5	106.5	106.5	107.3	107.3	105.7	104.9	104.1	104.1	104.1
7.5°	117.6	117.6	118.4	117.6	117.6	116.8	115.2	113.6	113.6	112.8	112.8
10°	135.1	133.5	133.5	132.7	131.9	130.3	128.7	127.9	126.4	126.4	124.8
12.5°	158.9	158.1	155.8	153.4	150.2	147.8	146.2	145.4	145.4	145.4	147.0
15°	186.8	187.5	186.0	180.4	174.0	169.3	168.5	168.5	170.1	171.7	171.7
17.5°	223.3	221.7	217.7	211.4	203.4	198.7	195.5	197.9	201.9	204.2	205.8
20°	263.0	262.2	256.7	246.4	237.6	231.3	228.9	232.1	239.2	245.6	244.8
22.5°	309.1	308.3	299.6	286.1	274.2	267.0	264.6	271.0	286.1	294.0	295.6
25°	361.6	359.2	351.3	333.0	316.3	305.2	306.8	317.9	337.7	353.6	352.8
27.5°	421.2	418.0	402.9	382.2	360.0	348.9	352.0	370.3	397.3	415.6	418.0
30°	486.4	481.6	465.7	435.5	410.1	394.2	402.1	427.5	461.7	487.9	491.1
32.5°	549.1	554.7	527.7	497.5	462.5	441.8	452.2	487.1	529.3	565.8	569.0
35°	628.6	623.8	600.8	561.1	518.1	496.7	510.2	553.1	600.8	643.7	645.3
37.5°	713.6	708.9	678.7	630.2	580.1	554.7	572.2	618.3	679.5	722.4	731.9
40°	805.0	795.5	767.7	708.1	646.9	620.7	637.3	695.4	761.3	808.2	814.6
42.5°	894.8	889.3	860.7	792.3	722.4	689.0	713.6	770.9	847.1	893.2	901.2
45°	992.6	991.8	960.8	886.1	807.4	770.1	795.5	859.1	932.2	985.4	990.2
47.5°	1095.9	1096.7	1069.7	995.0	899.6	857.5	882.1	953.6	1039.5	1087.1	1091.9
50°	1218.3	1213.5	1195.2	1107.8	1007.7	960.0	991.8	1066.5	1145.9	1196.8	1201.6
52.5°	1347.0	1347.0	1325.5	1245.3	1128.5	1079.2	1106.2	1182.5	1271.5	1317.6	1327.1
55°	1490.0	1483.7	1474.9	1387.5	1268.3	1211.1	1238.1	1324.8	1406.6	1446.3	1447.1
57.5°	1645.0	1638.7	1637.1	1558.4	1422.5	1347.8	1378.8	1460.6	1553.6	1579.8	1587.8
60°	1795.2	1806.3	1800.0	1730.8	1577.5	1493.2	1528.2	1614.0	1703.8	1727.7	1735.6
62.5°	1958.9	1964.5	1982.0	1897.7	1732.4	1642.6	1677.6	1753.9	1845.3	1865.1	1868.3
65°	2100.4	2105.9	2129.0	2049.5	1862.0	1767.4	1807.1	1887.4	1978.8	1996.3	1985.9
67.5°	2184.6	2197.3	2232.3	2156.8	1963.7	1859.6	1900.1	1975.6	2055.1	2071.0	2057.5
68°	2197.3	2207.7	2240.2	2171.9	1976.4	1870.7	1913.6	1988.3	2069.4	2082.1	2071.8
70°	2188.6	2200.5	2241.0	2180.6	1999.4	1898.5	1939.0	2002.6	2077.3	2082.1	2074.9
72.5°	2067.8	2089.2	2129.0	2107.5	1960.5	1869.1	1903.3	1942.2	1993.9	1993.1	1984.3
75°	1836.5	1827.0	1908.9	1919.2	1822.2	1769.8	1786.5	1787.3	1797.6	1783.3	1754.7
77.5°	1468.6	1490.8	1570.3	1639.5	1606.9	1586.2	1589.4	1542.5	1521.8	1460.6	1441.6
80°	1071.2	1088.7	1173.8	1278.7	1325.5	1349.4	1322.4	1234.2	1161.8	1099.1	1077.6
82.5°	731.1	737.5	837.6	938.5	1032.3	1060.9	1037.1	917.1	816.9	750.2	720.8
85°	449.8	460.1	531.6	631.8	742.2	807.4	751.8	631.8	530.9	478.4	466.5
87.5°	264.6	280.5	328.2	403.7	509.4	565.0	521.3	417.2	336.2	298.0	283.7
90°	165.3	174.8	205.0	259.9	341.7	382.2	352.8	271.0	217.0	184.4	174.0
92.5°	115.2	118.4	139.1	174.0	232.8	260.7	236.0	186.0	148.6	124.0	120.0
95°	85.8	88.2	100.9	123.2	160.5	182.0	165.3	131.1	105.7	89.0	86.6
97.5°	67.5	69.1	79.5	93.8	117.6	132.7	122.4	100.1	81.9	68.3	66.0
100°	52.4	54.0	63.6	74.7	92.2	100.1	93.8	78.7	64.4	52.4	50.9
102.5°	41.3	42.1	50.9	61.2	73.9	79.5	74.7	63.6	50.9	40.5	39.7
105°	32.6	33.4	41.3	50.9	61.2	65.2	62.0	52.4	40.5	31.0	30.2
107.5°	25.4	26.2	32.6	42.1	50.9	54.0	50.9	42.9	31.8	24.6	23.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	20.7	20.7	27.0	35.0	42.9	45.3	42.9	35.0	25.4	19.9	19.1
112.5°	17.5	17.5	22.3	29.4	35.8	38.9	35.8	28.6	20.7	15.9	15.9
115°	14.3	15.1	18.3	24.6	30.2	32.6	30.2	23.8	17.5	13.5	13.5
117.5°	12.7	13.5	15.9	20.7	26.2	27.8	25.4	19.9	14.3	11.9	11.9
120°	11.9	11.9	13.5	17.5	22.3	23.8	21.5	17.5	12.7	11.1	11.1
122.5°	11.1	11.1	11.9	15.1	19.1	20.7	18.3	14.3	11.1	10.3	9.5
125°	10.3	10.3	11.1	13.5	16.7	17.5	15.9	12.7	9.5	8.7	8.7
127.5°	9.5	9.5	10.3	11.9	14.3	15.1	14.3	11.1	8.7	8.7	8.7
130°	8.7	8.7	9.5	10.3	12.7	13.5	11.9	9.5	7.9	7.9	7.9
132.5°	7.9	7.9	7.9	9.5	11.1	11.1	10.3	8.7	7.9	7.2	7.2
135°	7.9	7.9	7.9	7.9	9.5	10.3	8.7	7.9	7.2	7.2	7.2
137.5°	7.2	7.2	7.2	7.2	7.9	8.7	7.9	7.2	6.4	6.4	6.4
140°	6.4	6.4	6.4	6.4	7.2	7.2	7.2	5.6	5.6	5.6	5.6
142.5°	5.6	5.6	5.6	5.6	5.6	6.4	5.6	4.8	4.8	4.8	4.8
145°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
147.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
150°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
152.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
155°	1.6	1.6	1.6	1.6	2.4	1.6	2.4	1.6	1.6	1.6	1.6
157.5°	0.8	0.8	1.6	1.6	1.6	2.4	1.6	1.6	0.8	0.8	0.8
160°	0.0	0.8	0.8	0.8	1.6	1.6	1.6	0.8	0.8	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)