

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: P417048

Luminaire Tested: **LXF.LXT-PA1-90-727-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417048
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-PA1-90-727-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA 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: 8272.9 lumens
Efficiency: N/A
Efficacy: 88.0 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

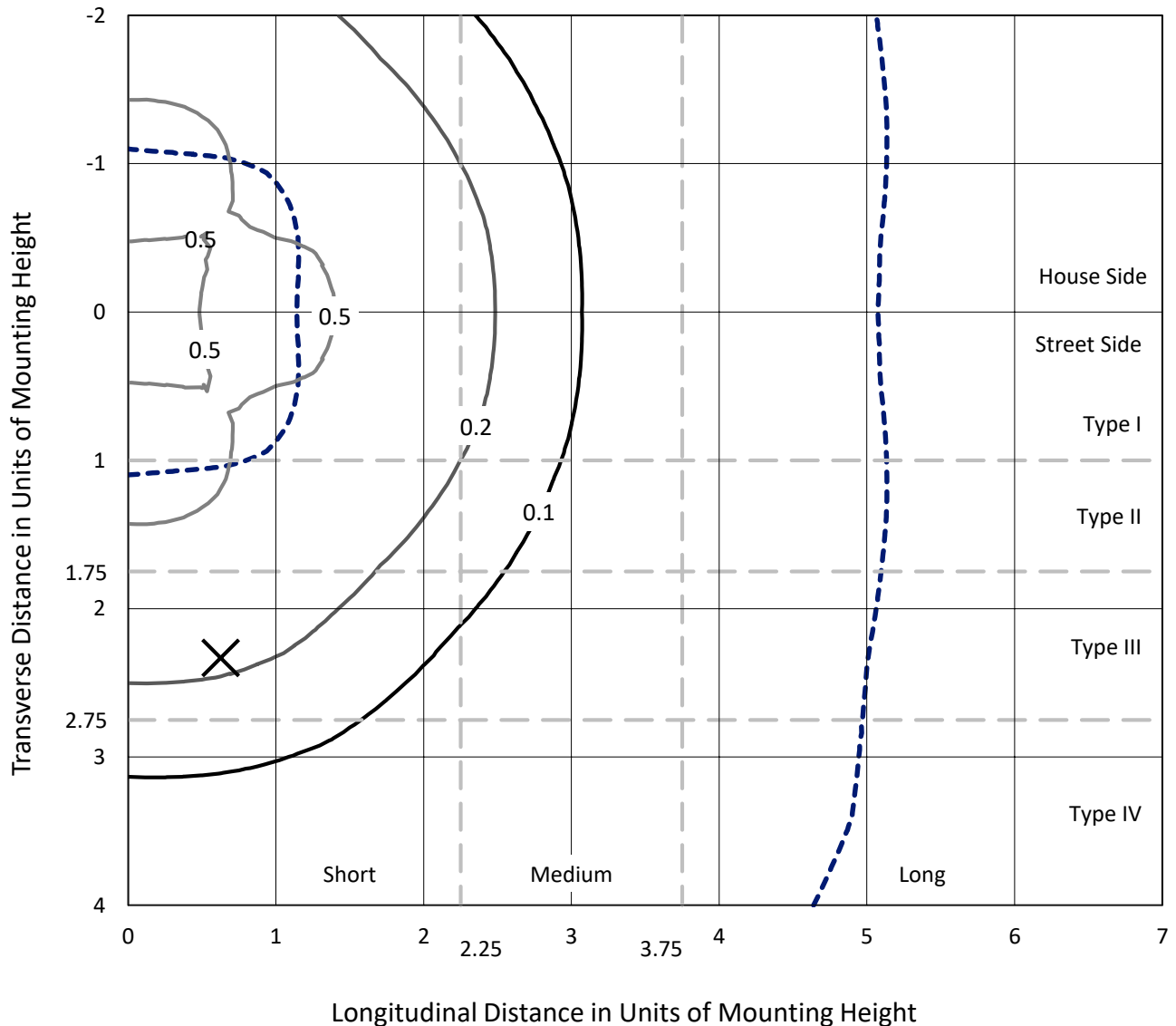


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

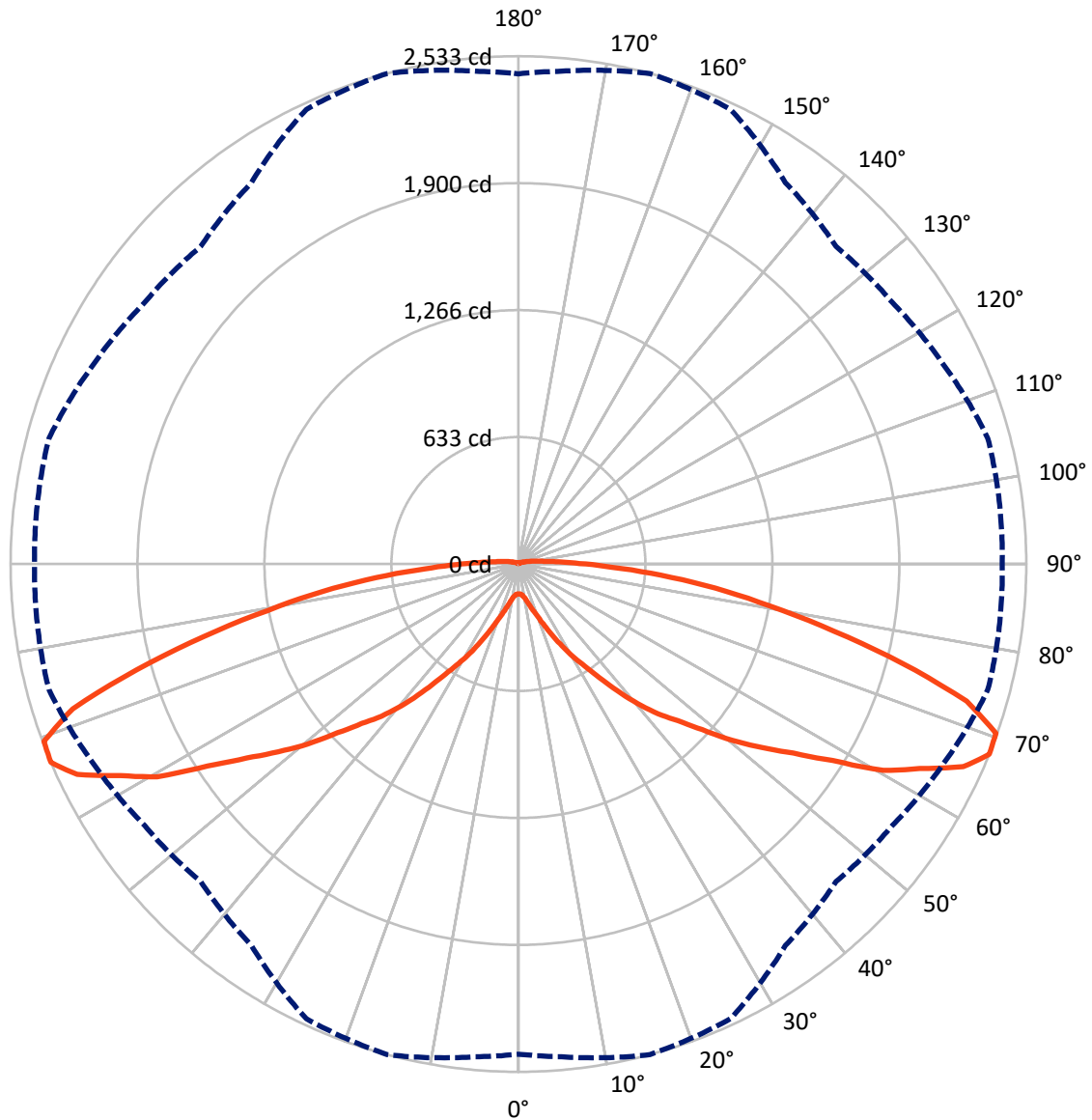


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - Non-Cutoff

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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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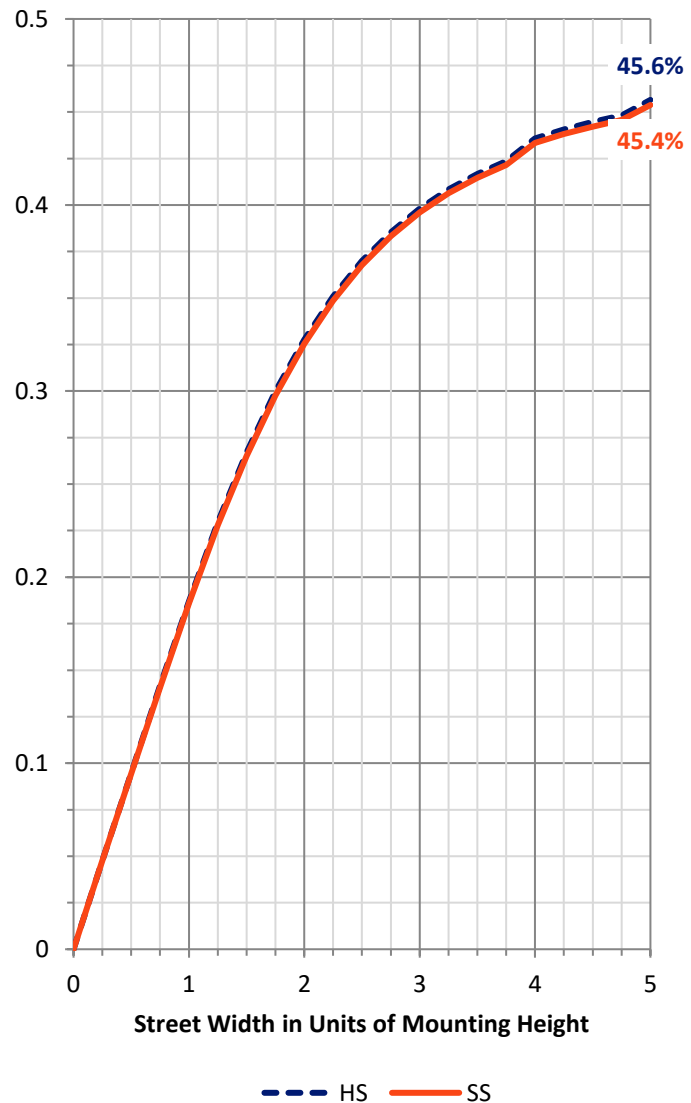
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3973.2	163.2	4136.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3973.2	163.2	4136.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	7946.5	326.4	8272.9
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	0.2
10°-20°	61.8	0.7
20°-30°	178.1	2.2
30°-40°	419.4	5.1
40°-50°	790.7	9.6
50°-60°	1410.1	17.0
60°-70°	2229.3	26.9
70°-80°	1964.1	23.7
80°-90°	877.9	10.6
90°-100°	218.0	2.6
100°-110°	60.1	0.7
110°-120°	24.1	0.3
120°-130°	12.7	0.2
130°-140°	7.5	0.1
140°-150°	3.2	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7946.5	96.1
0°-180°	8272.9	100.0



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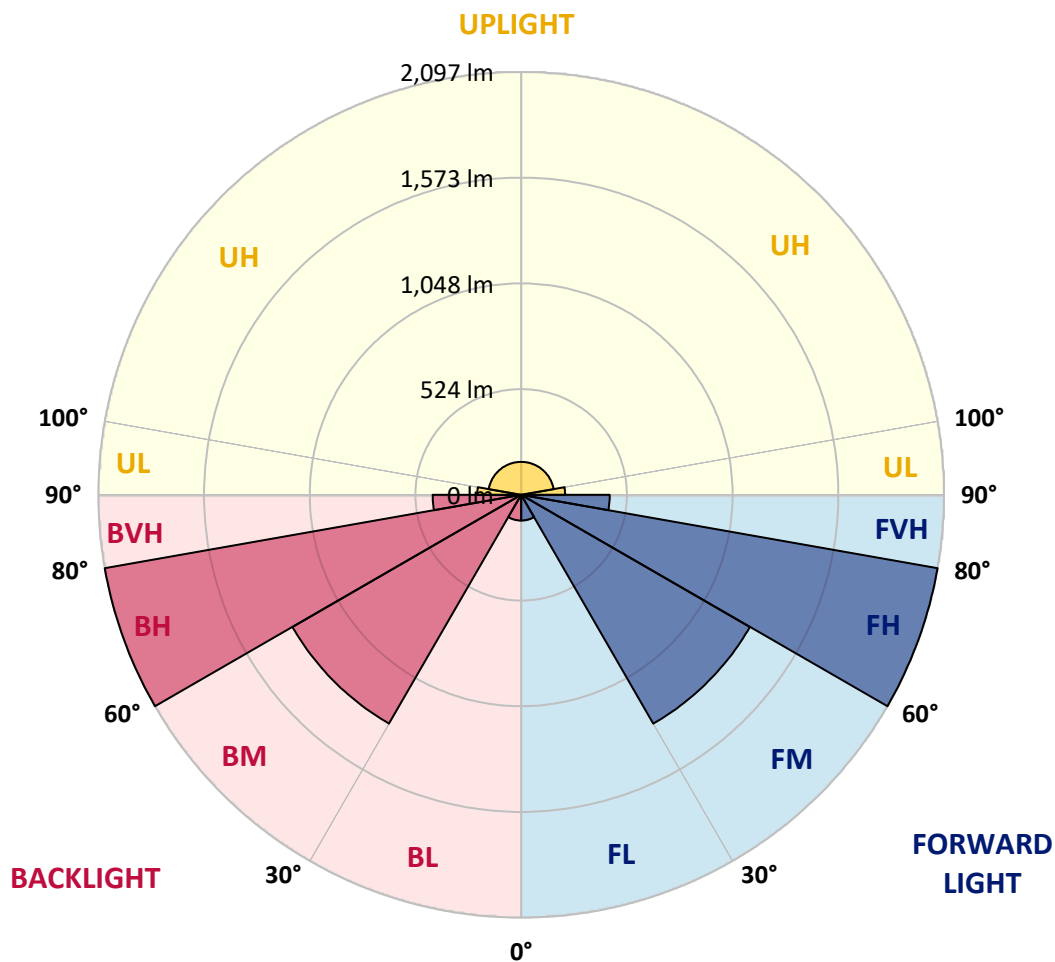
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	127.5	1.5			
FM	(30°-60°)	1310.1	15.8			
FH	(60°-80°)	2096.7	25.3			G2/5000
FVH	(80°-90°)	439.0	5.3			G3/500
BL	(0°-30°)	127.5	1.5	B1/500		
BM	(30°-60°)	1310.1	15.8	B2/2500		
BH	(60°-80°)	2096.7	25.3	B3/2500		G2/5000
BVH	(80°-90°)	439.0	5.3			G3/500
UL	(90°-100°)	218.0	2.6		U3/500	
UH	(100°-180°)	163.2	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°	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8	148.8
2.5°	148.8	148.8	149.7	149.7	150.6	151.5	150.6	149.7	148.8	147.9	147.9
5°	153.3	153.3	153.3	153.3	154.2	154.2	153.3	151.5	150.6	149.7	149.7
7.5°	160.5	160.5	160.5	160.5	160.5	159.6	157.8	156.0	155.1	154.2	154.2
10°	172.2	172.2	170.4	170.4	169.5	168.6	166.8	165.0	163.2	164.1	164.1
12.5°	192.1	193.0	190.3	185.8	182.1	180.3	179.4	179.4	182.1	182.1	183.1
15°	220.9	220.9	216.4	210.1	202.9	197.5	199.3	203.8	208.3	211.0	211.0
17.5°	252.5	252.5	248.0	239.9	229.9	227.2	226.3	230.8	240.8	244.4	245.3
20°	292.2	292.2	284.0	272.3	263.3	259.7	259.7	266.9	277.7	285.8	284.9
22.5°	346.3	345.4	333.6	313.8	302.1	296.7	295.8	305.7	324.6	337.2	340.9
25°	411.2	410.3	395.0	368.8	350.8	336.3	340.0	357.1	385.9	405.8	405.8
27.5°	485.1	481.5	461.7	432.8	405.8	386.8	392.3	416.6	452.7	479.7	480.6
30°	557.3	557.3	535.6	501.4	465.3	441.8	448.2	482.4	525.7	568.1	569.0
32.5°	633.9	633.0	606.0	571.7	527.5	501.4	511.3	553.7	615.0	663.7	672.7
35°	732.2	733.1	695.2	648.3	592.4	563.6	577.1	632.1	705.1	763.8	769.2
37.5°	837.7	843.1	801.6	741.2	666.4	631.2	651.0	715.1	799.8	861.1	861.1
40°	951.3	954.0	916.2	839.5	749.3	703.3	729.5	798.0	863.0	915.3	918.0
42.5°	1047.8	1050.5	1020.8	945.9	844.9	789.9	805.2	857.5	918.9	977.5	982.9
45°	1123.5	1132.6	1114.5	1050.5	947.7	881.0	879.2	932.4	1006.3	1067.6	1074.9
47.5°	1260.6	1265.1	1233.6	1157.8	1053.2	980.2	973.0	1026.2	1122.6	1188.5	1193.0
50°	1381.4	1395.0	1383.2	1302.1	1177.7	1089.3	1090.2	1160.5	1265.1	1331.8	1338.2
52.5°	1517.6	1523.9	1520.3	1450.9	1330.0	1225.4	1237.2	1316.5	1429.2	1470.7	1477.9
55°	1642.0	1652.0	1664.6	1613.2	1493.3	1401.3	1412.1	1496.9	1572.6	1612.3	1615.9
57.5°	1839.5	1849.4	1848.5	1772.8	1670.0	1580.7	1598.8	1665.5	1764.7	1832.3	1844.0
60°	2054.1	2068.6	2091.1	1992.8	1838.6	1776.4	1798.9	1895.4	2008.1	2018.1	2030.7
62.5°	2197.5	2204.7	2247.1	2214.6	2035.2	1960.4	2019.9	2101.9	2160.5	2169.6	2165.9
65°	2385.1	2408.5	2438.3	2363.4	2219.1	2116.3	2184.9	2246.2	2351.7	2360.7	2358.9
67.5°	2444.6	2467.1	2532.9	2502.3	2321.9	2239.9	2275.1	2342.7	2423.8	2416.6	2413.0
70°	2449.1	2470.7	2526.6	2510.4	2345.4	2231.8	2267.8	2294.0	2368.8	2369.7	2359.8
72.5°	2203.8	2241.7	2337.3	2366.1	2221.9	2105.5	2108.2	2107.3	2112.7	2053.2	2029.8
75°	1856.7	1883.7	1977.5	2046.9	1973.0	1872.9	1871.1	1795.3	1779.1	1734.0	1717.8
77.5°	1486.9	1520.3	1610.5	1686.2	1660.1	1606.0	1578.0	1492.4	1468.9	1417.5	1423.8
80°	1156.0	1182.2	1271.4	1369.7	1376.9	1339.1	1308.4	1238.1	1192.1	1148.8	1129.9
82.5°	890.0	912.5	989.2	1095.6	1139.8	1135.3	1092.0	1012.6	971.2	929.7	905.3
85°	615.0	634.8	710.6	839.5	918.9	946.8	898.1	798.0	724.1	665.5	651.9
87.5°	396.8	405.8	466.2	578.0	697.0	762.9	711.5	586.1	493.2	446.4	431.0
90°	248.0	261.5	304.8	374.2	490.5	574.4	522.1	395.0	328.2	280.4	270.5
92.5°	172.2	170.4	200.2	248.9	334.5	403.1	358.0	261.5	207.4	175.8	169.5
95°	113.6	118.1	134.4	165.0	226.3	268.7	236.3	174.0	136.2	113.6	110.9
97.5°	84.8	85.7	98.3	117.2	154.2	176.7	156.9	120.8	96.5	82.1	81.2
100°	66.7	67.6	76.6	87.5	108.2	122.6	110.0	91.1	74.8	64.0	64.0
102.5°	52.3	53.2	59.5	68.5	82.1	91.1	83.9	70.3	58.6	50.5	49.6
105°	41.5	41.5	46.9	54.1	64.0	70.3	65.8	55.0	45.1	39.7	39.7
107.5°	32.5	33.4	37.0	42.4	51.4	57.7	52.3	42.4	35.2	30.7	30.7
110°	26.2	26.2	28.9	34.3	41.5	46.9	42.4	34.3	28.0	25.2	25.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	21.6	21.6	23.4	28.0	34.3	38.8	34.3	28.0	22.5	20.7	20.7
115°	18.0	18.0	19.8	22.5	28.9	31.6	28.9	22.5	18.9	17.1	17.1
117.5°	16.2	16.2	17.1	19.8	24.3	26.2	24.3	18.9	16.2	15.3	15.3
120°	14.4	14.4	15.3	17.1	20.7	22.5	20.7	17.1	14.4	13.5	13.5
122.5°	13.5	13.5	13.5	15.3	18.9	19.8	18.0	15.3	12.6	12.6	12.6
125°	12.6	12.6	12.6	13.5	16.2	17.1	16.2	13.5	11.7	11.7	11.7
127.5°	11.7	11.7	11.7	12.6	14.4	15.3	14.4	12.6	10.8	10.8	10.8
130°	11.7	11.7	10.8	11.7	12.6	13.5	12.6	11.7	10.8	9.9	10.8
132.5°	10.8	10.8	10.8	10.8	11.7	11.7	11.7	10.8	9.9	9.9	9.9
135°	9.9	9.9	9.0	9.0	9.9	10.8	9.9	9.0	9.0	9.0	9.0
137.5°	9.0	8.1	8.1	8.1	9.0	9.0	9.0	8.1	8.1	8.1	8.1
140°	7.2	7.2	7.2	7.2	7.2	8.1	7.2	6.3	6.3	7.2	7.2
142.5°	6.3	6.3	6.3	5.4	6.3	6.3	6.3	5.4	5.4	5.4	5.4
145°	5.4	5.4	5.4	4.5	5.4	5.4	5.4	4.5	4.5	4.5	4.5
147.5°	3.6	4.5	3.6	3.6	4.5	4.5	3.6	3.6	3.6	3.6	3.6
150°	2.7	2.7	2.7	2.7	3.6	3.6	2.7	2.7	2.7	2.7	2.7
152.5°	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.8	2.7	2.7	1.8	1.8	1.8	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	1.8	2.7	1.8	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.9	1.8	2.7	1.8	0.9	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)