

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: P415440

Luminaire Tested: **LXF.LXT-PA1-50-730-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415440
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-PA1-50-730-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA 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: 5875 lumens
Efficiency: N/A
Efficacy: 108.8 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

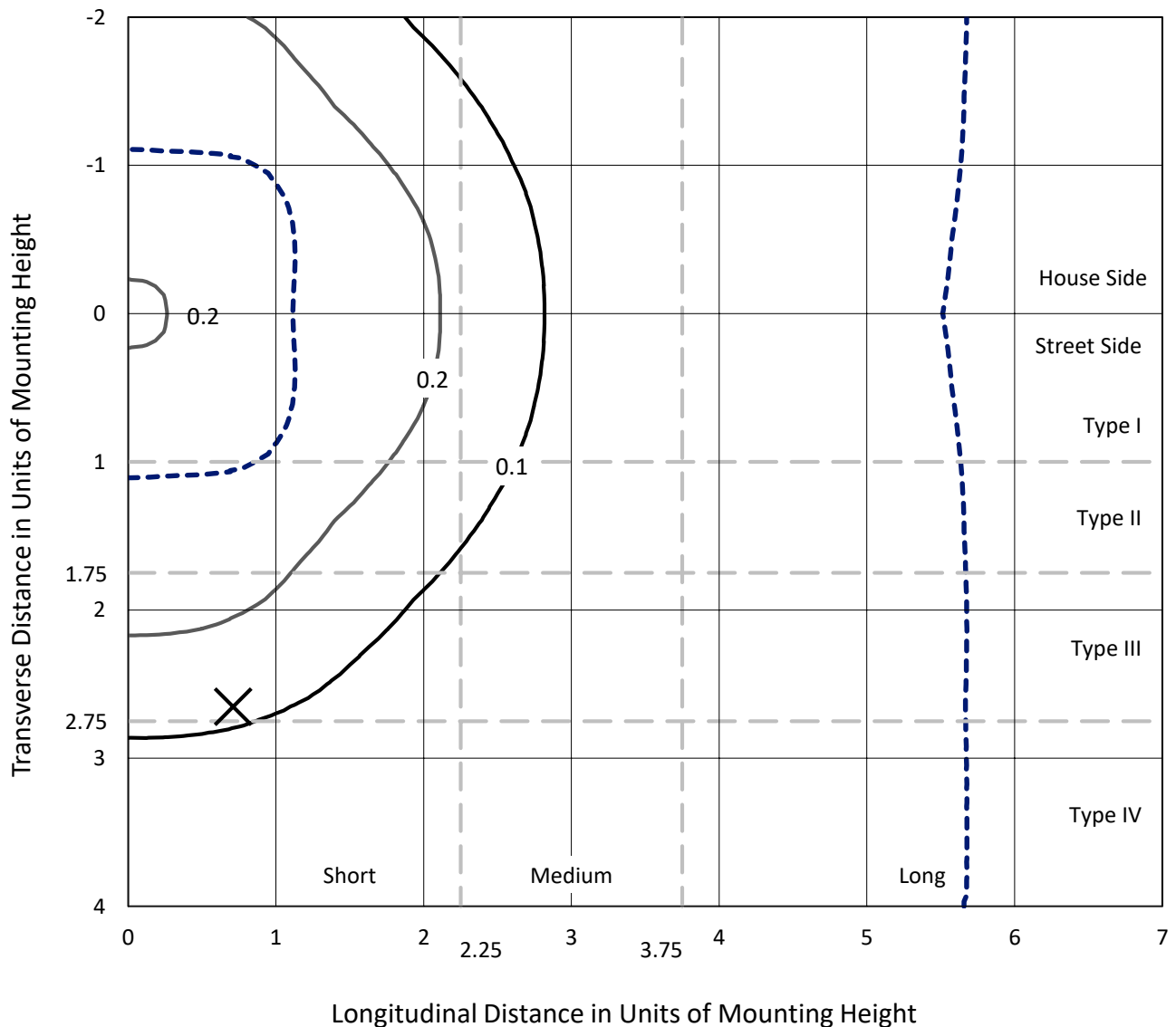
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

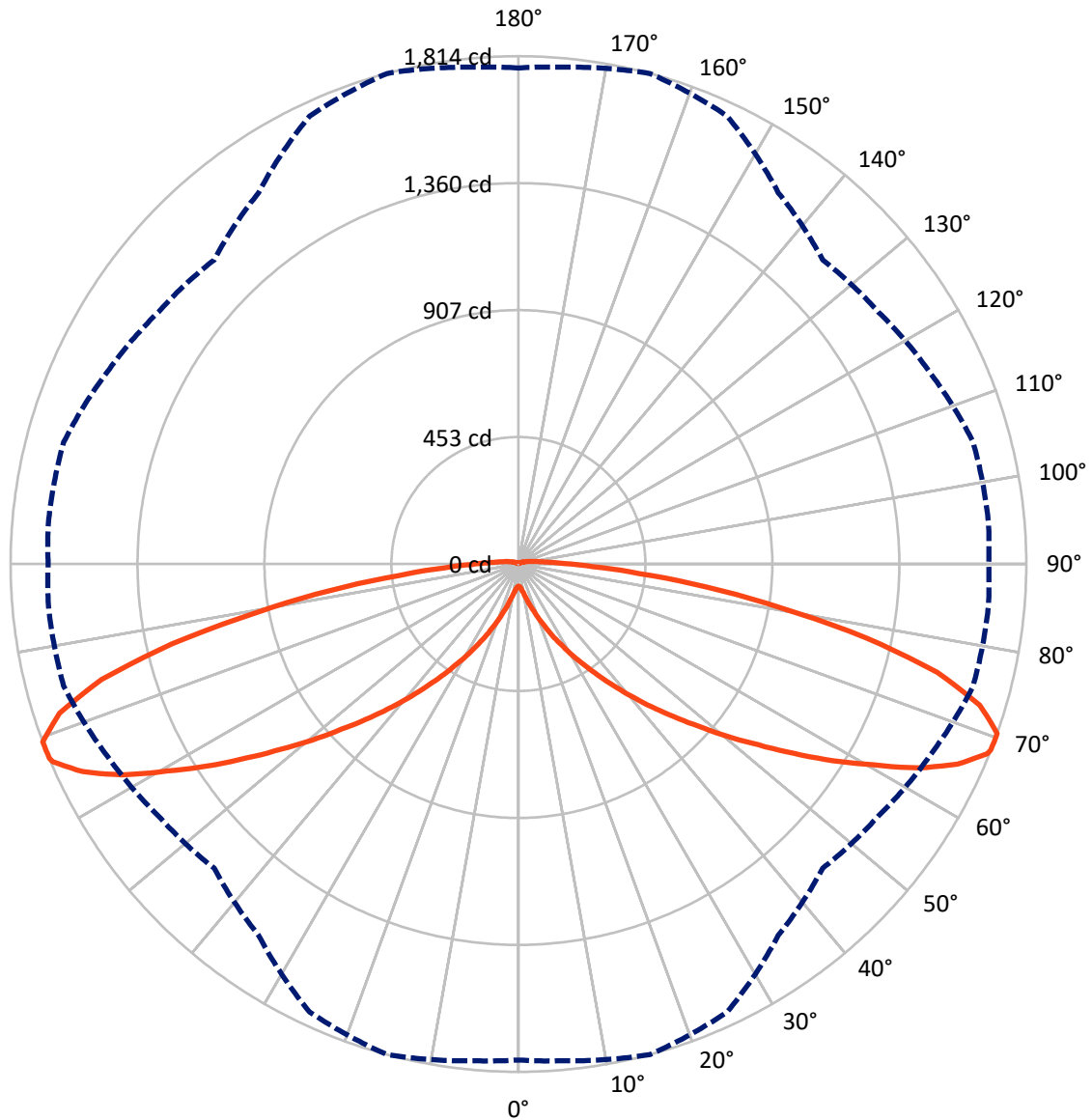
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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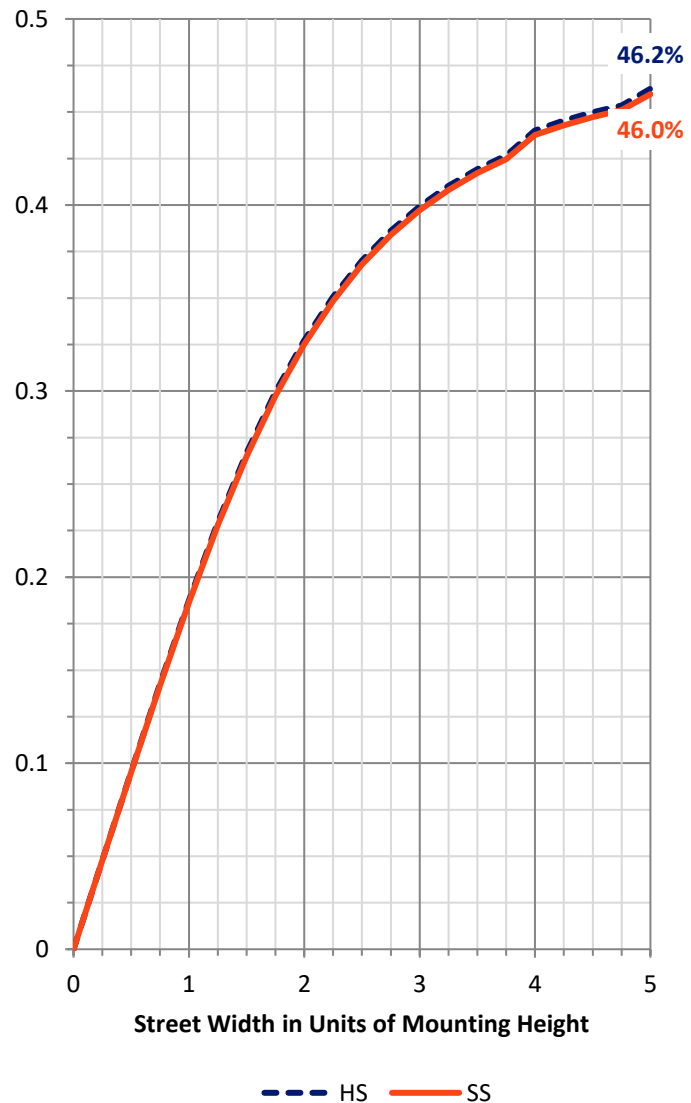
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2834.0	103.4	2937.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2834.0	103.4	2937.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	5668.1	206.9	5875.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.1
10°-20°	42.4	0.7
20°-30°	127.6	2.2
30°-40°	293.4	5.0
40°-50°	564.1	9.6
50°-60°	997.4	17.0
60°-70°	1545.7	26.3
70°-80°	1500.1	25.5
80°-90°	588.4	10.0
90°-100°	126.6	2.2
100°-110°	43.3	0.7
110°-120°	19.0	0.3
120°-130°	9.6	0.2
130°-140°	5.2	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°	5668.1	96.5
0°-180°	5875.0	100.0

Coefficient of Utilization



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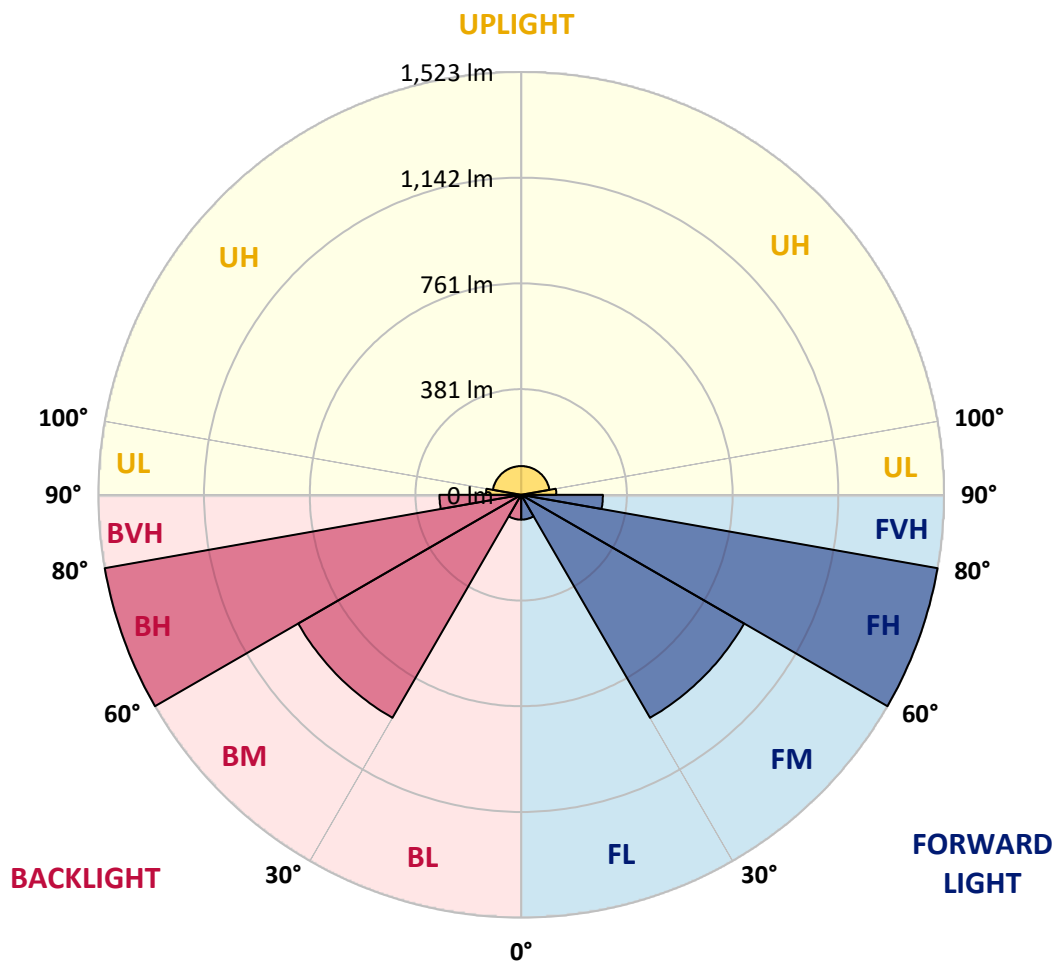
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.4	1.5			
FM (30°-60°)	927.5	15.8			
FH (60°-80°)	1522.9	25.9			G1/1800
FVH (80°-90°)	294.2	5.0			G3/500
BL (0°-30°)	89.4	1.5	B0/110		
BM (30°-60°)	927.5	15.8	B1/1000		
BH (60°-80°)	1522.9	25.9	B3/2500		G1/1800
BVH (80°-90°)	294.2	5.0			G3/500
UL (90°-100°)	126.6	2.2		U3/500	
UH (100°-180°)	103.4	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°	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
2.5°	80.4	80.4	80.4	81.0	81.0	81.7	81.0	80.4	80.4	79.7	79.7
5°	86.2	86.2	86.2	86.2	86.8	86.8	85.5	84.9	84.2	84.2	84.2
7.5°	95.2	95.2	95.8	95.2	95.2	94.5	93.2	92.0	92.0	91.3	91.3
10°	109.3	108.0	108.0	107.4	106.8	105.5	104.2	103.5	102.3	102.3	101.0
12.5°	128.6	128.0	126.0	124.1	121.5	119.6	118.3	117.7	117.7	117.7	119.0
15°	151.1	151.8	150.5	146.0	140.8	137.0	136.3	136.3	137.6	138.9	138.9
17.5°	180.7	179.4	176.2	171.1	164.6	160.8	158.2	160.1	163.3	165.3	166.6
20°	212.9	212.2	207.7	199.4	192.3	187.1	185.2	187.8	193.6	198.7	198.1
22.5°	250.2	249.5	242.4	231.5	221.9	216.1	214.1	219.3	231.5	237.9	239.2
25°	292.6	290.7	284.2	269.5	255.9	246.9	248.2	257.2	273.3	286.2	285.5
27.5°	340.8	338.3	326.0	309.3	291.3	282.3	284.9	299.7	321.5	336.3	338.3
30°	393.6	389.7	376.8	352.4	331.8	319.0	325.4	346.0	373.6	394.9	397.4
32.5°	444.4	448.9	427.0	402.6	374.3	357.6	365.9	394.2	428.3	457.9	460.5
35°	508.7	504.8	486.2	454.0	419.3	401.9	412.9	447.6	486.2	520.9	522.2
37.5°	577.5	573.6	549.2	510.0	469.5	448.9	463.0	500.3	549.8	584.6	592.3
40°	651.4	643.7	621.2	573.0	523.5	502.3	515.8	562.7	616.1	654.0	659.2
42.5°	724.1	719.6	696.5	641.2	584.6	557.6	577.5	623.8	685.5	722.8	729.3
45°	803.2	802.6	777.5	717.0	653.4	623.2	643.7	695.2	754.3	797.4	801.3
47.5°	886.8	887.5	865.6	805.1	728.0	693.9	713.8	771.7	841.2	879.7	883.6
50°	985.9	982.0	967.2	896.5	815.4	776.9	802.6	863.0	927.3	968.5	972.3
52.5°	1090.0	1090.0	1072.7	1007.7	913.2	873.3	895.2	956.9	1028.9	1066.2	1074.0
55°	1205.8	1200.6	1193.6	1122.8	1026.4	980.1	1001.9	1072.0	1138.3	1170.4	1171.1
57.5°	1331.2	1326.0	1324.8	1261.1	1151.1	1090.7	1115.8	1182.0	1257.2	1278.5	1284.9
60°	1452.7	1461.7	1456.6	1400.6	1276.5	1208.4	1236.7	1306.1	1378.8	1398.1	1404.5
62.5°	1585.2	1589.7	1603.9	1535.7	1401.9	1329.3	1357.6	1419.3	1493.2	1509.3	1511.9
65°	1699.7	1704.2	1722.8	1658.5	1506.8	1430.2	1462.4	1527.3	1601.3	1615.4	1607.1
67.5°	1767.8	1778.1	1806.4	1745.3	1589.1	1504.8	1537.6	1598.7	1663.0	1675.9	1665.0
68°	1778.1	1786.5	1812.9	1757.6	1599.4	1513.8	1548.6	1609.0	1674.6	1684.9	1676.5
70°	1771.1	1780.7	1813.5	1764.6	1618.0	1536.3	1569.1	1620.6	1681.0	1684.9	1679.1
72.5°	1673.3	1690.7	1722.8	1705.5	1586.5	1512.5	1540.2	1571.7	1613.5	1612.9	1605.8
75°	1486.2	1478.5	1544.7	1553.1	1474.6	1432.2	1445.7	1446.3	1454.7	1443.1	1419.9
77.5°	1188.4	1206.4	1270.7	1326.7	1300.3	1283.6	1286.2	1248.2	1231.5	1182.0	1166.6
80°	866.9	881.0	949.8	1034.7	1072.7	1092.0	1070.1	998.7	940.2	889.4	872.0
82.5°	591.6	596.8	677.8	759.5	835.4	858.5	839.2	742.1	661.1	607.1	583.3
85°	364.0	372.3	430.2	511.3	600.6	653.4	608.4	511.3	429.6	387.1	377.5
87.5°	214.1	227.0	265.6	326.7	412.2	457.2	421.9	337.6	272.0	241.2	229.6
90°	133.8	141.5	165.9	210.3	276.5	309.3	285.5	219.3	175.6	149.2	140.8
92.5°	93.2	95.8	112.5	140.8	188.4	210.9	191.0	150.5	120.3	100.3	97.1
95°	69.5	71.4	81.7	99.7	129.9	147.3	133.8	106.1	85.5	72.0	70.1
97.5°	54.7	55.9	64.3	75.9	95.2	107.4	99.0	81.0	66.2	55.3	53.4
100°	42.4	43.7	51.4	60.5	74.6	81.0	75.9	63.7	52.1	42.4	41.2
102.5°	33.4	34.1	41.2	49.5	59.8	64.3	60.5	51.4	41.2	32.8	32.2
105°	26.4	27.0	33.4	41.2	49.5	52.7	50.2	42.4	32.8	25.1	24.4
107.5°	20.6	21.2	26.4	34.1	41.2	43.7	41.2	34.7	25.7	19.9	19.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	16.7	16.7	21.9	28.3	34.7	36.7	34.7	28.3	20.6	16.1	15.4
112.5°	14.1	14.1	18.0	23.8	28.9	31.5	28.9	23.2	16.7	12.9	12.9
115°	11.6	12.2	14.8	19.9	24.4	26.4	24.4	19.3	14.1	10.9	10.9
117.5°	10.3	10.9	12.9	16.7	21.2	22.5	20.6	16.1	11.6	9.6	9.6
120°	9.6	9.6	10.9	14.1	18.0	19.3	17.4	14.1	10.3	9.0	9.0
122.5°	9.0	9.0	9.6	12.2	15.4	16.7	14.8	11.6	9.0	8.4	7.7
125°	8.4	8.4	9.0	10.9	13.5	14.1	12.9	10.3	7.7	7.1	7.1
127.5°	7.7	7.7	8.4	9.6	11.6	12.2	11.6	9.0	7.1	7.1	7.1
130°	7.1	7.1	7.7	8.4	10.3	10.9	9.6	7.7	6.4	6.4	6.4
132.5°	6.4	6.4	6.4	7.7	9.0	9.0	8.4	7.1	6.4	5.8	5.8
135°	6.4	6.4	6.4	6.4	7.7	8.4	7.1	6.4	5.8	5.8	5.8
137.5°	5.8	5.8	5.8	5.8	6.4	7.1	6.4	5.8	5.1	5.1	5.1
140°	5.1	5.1	5.1	5.1	5.8	5.8	5.8	4.5	4.5	4.5	4.5
142.5°	4.5	4.5	4.5	4.5	4.5	5.1	4.5	3.9	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
150°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
155°	1.3	1.3	1.3	1.3	1.9	1.3	1.9	1.3	1.3	1.3	1.3
157.5°	0.6	0.6	1.3	1.3	1.3	1.9	1.3	1.3	0.6	0.6	0.6
160°	0.0	0.6	0.6	0.6	1.3	1.3	1.3	0.6	0.6	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)