

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: P266113

Luminaire Tested: **LXF.LXT-AF24-60-D-U-5WQ-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266113
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-5WQ-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5676.9 lumens
Efficiency: N/A
Efficacy: 88.7 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): 64
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

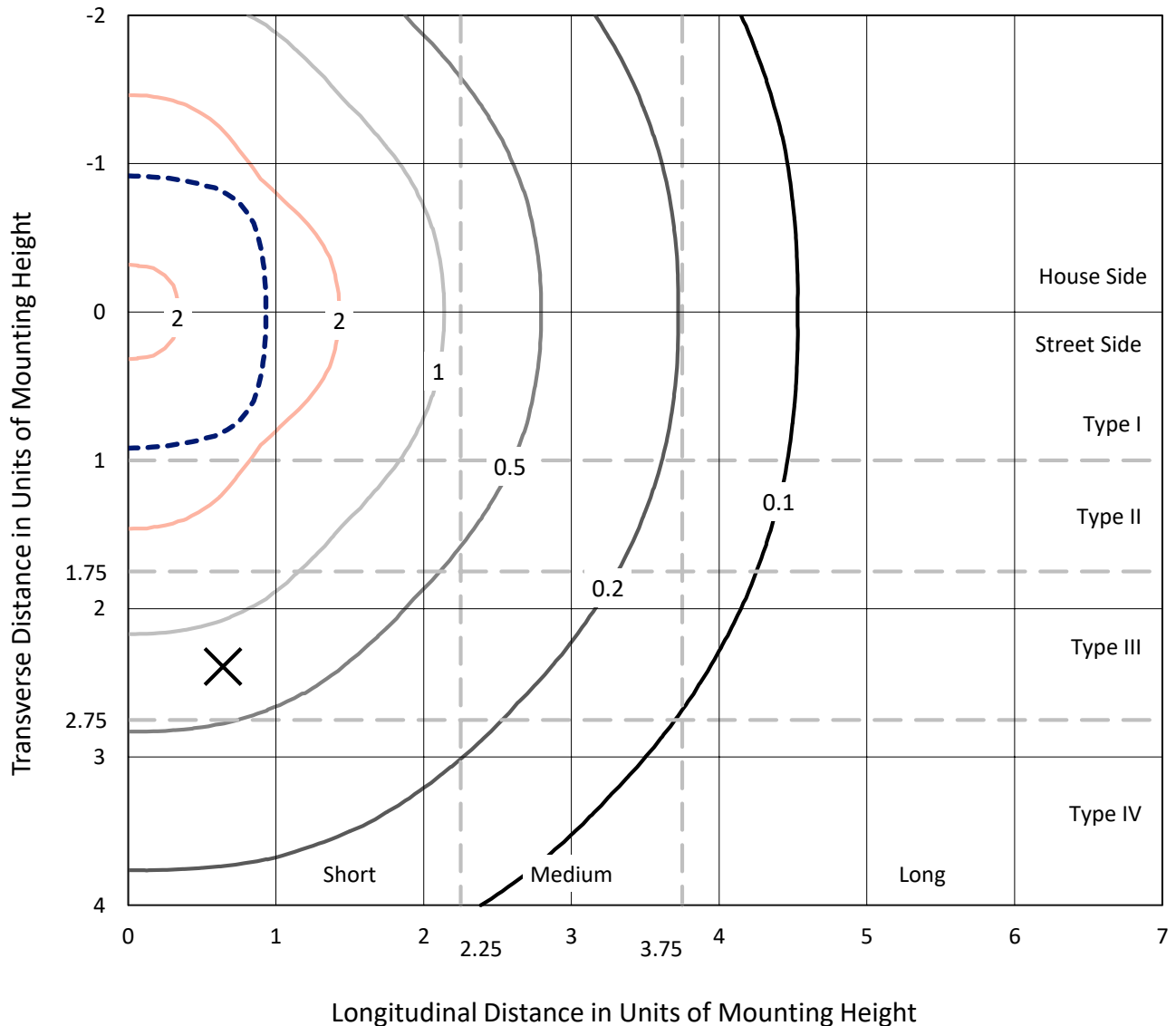


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

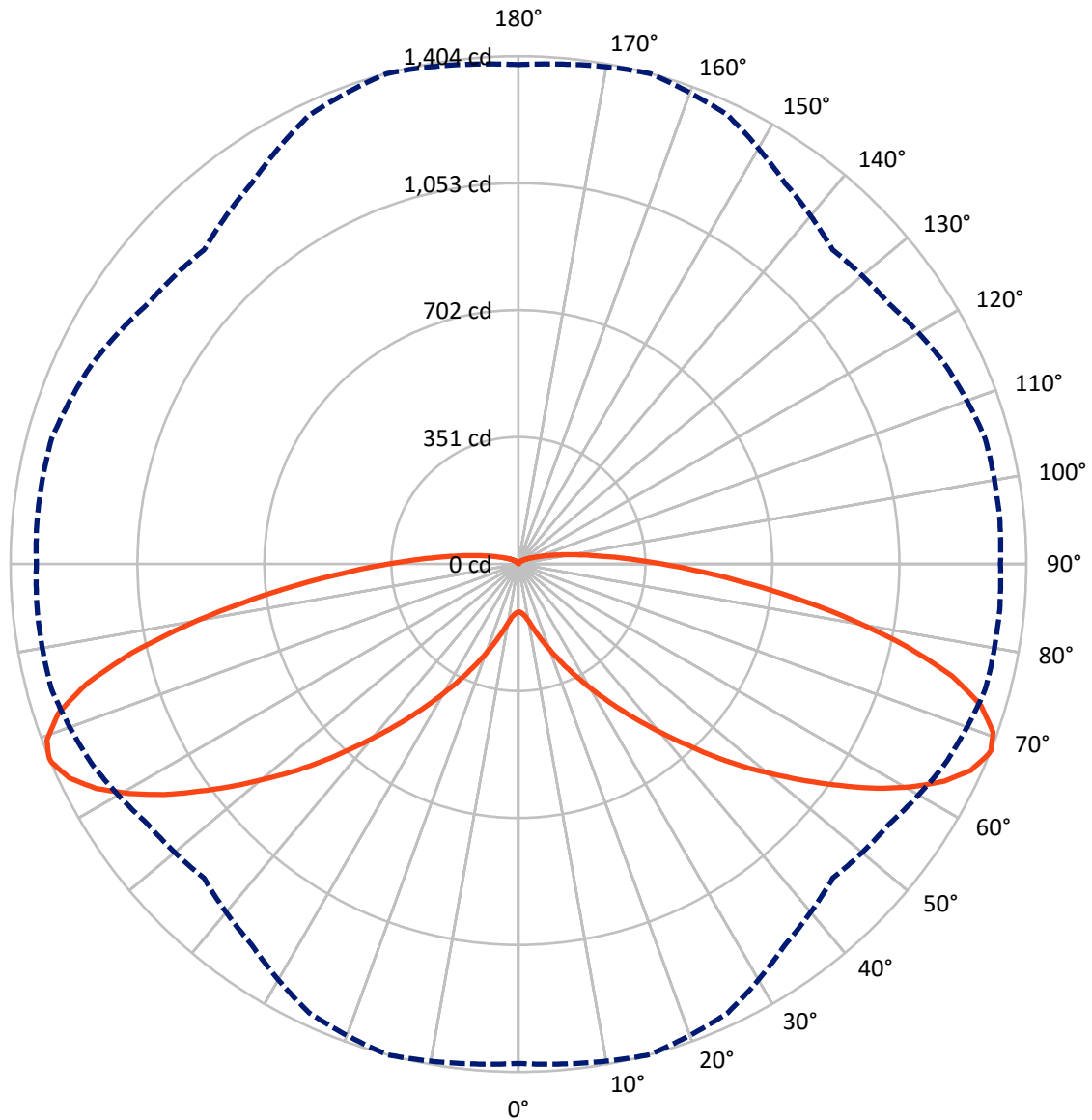


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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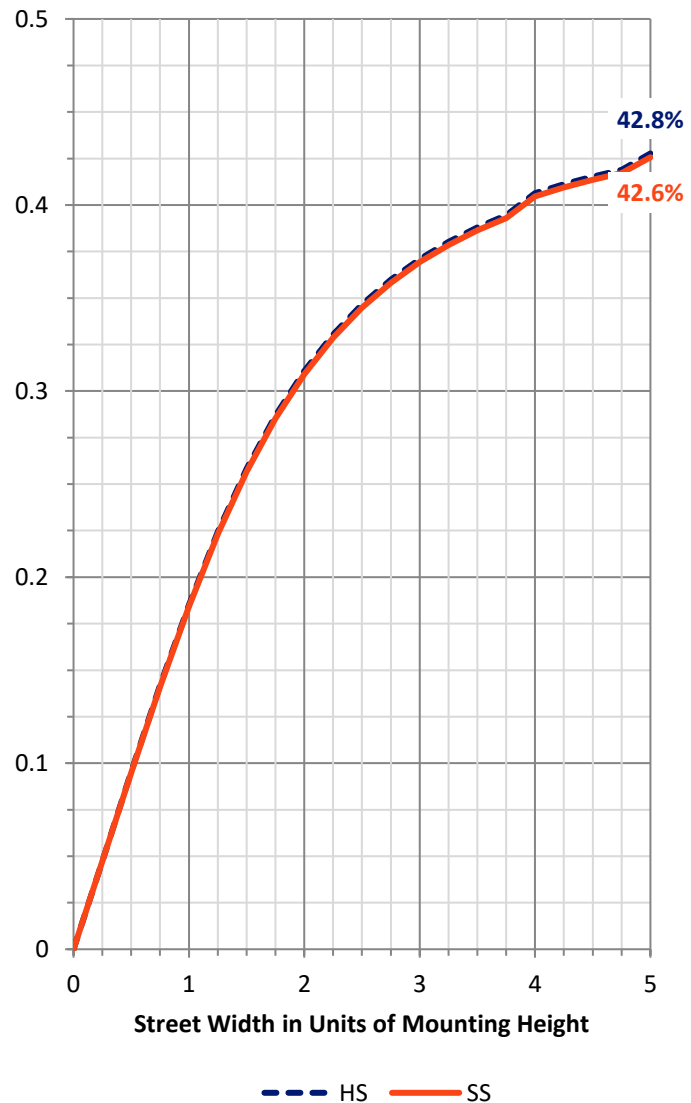
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2601.1	237.4	2838.4
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	2601.1	237.4	2838.4
	% Fixture	45.8	4.2	50.0
Total	Lumens	5202.2	474.7	5676.9
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.2
10°-20°	58.2	1.0
20°-30°	148.4	2.6
30°-40°	308.2	5.4
40°-50°	562.6	9.9
50°-60°	919.0	16.2
60°-70°	1267.8	22.3
70°-80°	1224.9	21.6
80°-90°	699.0	12.3
90°-100°	281.4	5.0
100°-110°	110.5	1.9
110°-120°	47.9	0.8
120°-130°	22.0	0.4
130°-140°	9.6	0.2
140°-150°	3.1	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5202.2	91.6
0°-180°	5676.9	100.0



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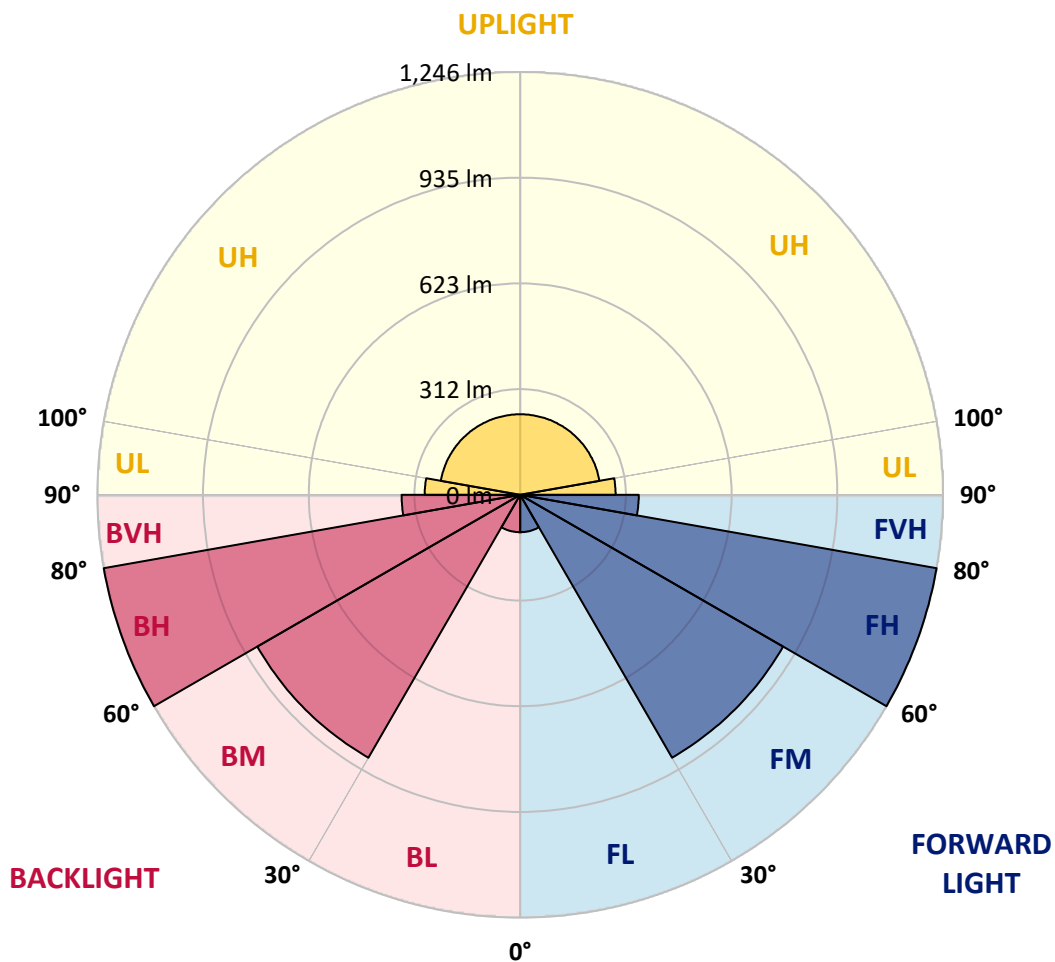
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.3	1.9			
FM (30°-60°)	894.9	15.8			
FH (60°-80°)	1246.3	22.0			G1/1800
FVH (80°-90°)	349.5	6.2			G3/500
BL (0°-30°)	110.3	1.9	B1/500		
BM (30°-60°)	894.9	15.8	B1/1000		
BH (60°-80°)	1246.3	22.0	B3/2500		G1/1800
BVH (80°-90°)	349.5	6.2			G3/500
UL (90°-100°)	281.4	5.0		U3/500	
UH (100°-180°)	237.4	4.2		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°	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4	132.4
2.5°	134.3	134.3	134.3	134.3	134.3	134.3	134.3	134.3	133.8	133.8	133.8
5°	139.0	139.5	139.5	139.5	139.5	139.5	139.5	139.0	139.0	139.0	139.0
7.5°	148.0	148.0	148.0	148.0	148.0	147.4	147.4	147.4	146.8	146.8	146.1
10°	162.4	162.4	162.4	161.7	160.9	160.3	160.3	159.7	159.1	159.1	158.5
12.5°	181.2	181.2	181.2	177.9	177.2	176.0	176.0	176.0	176.5	176.5	177.2
15°	203.8	203.8	203.8	200.0	197.4	194.2	195.4	196.1	197.4	197.4	198.0
17.5°	229.8	229.8	228.4	224.7	220.8	218.7	217.5	219.5	220.8	222.1	222.1
20°	258.4	258.4	256.5	251.3	247.4	246.0	244.8	244.8	248.0	249.3	248.0
22.5°	290.8	289.6	288.3	281.8	277.8	274.6	274.6	274.0	277.8	280.5	279.8
25°	327.9	326.5	322.8	315.6	311.1	307.1	306.4	306.4	312.9	316.8	316.2
27.5°	368.1	366.1	360.9	353.2	346.0	340.8	341.4	344.1	349.9	357.0	357.0
30°	412.2	411.0	402.5	394.7	383.0	376.6	377.8	385.1	392.7	400.6	401.3
32.5°	461.0	458.3	448.7	438.3	424.0	415.6	418.2	426.5	438.3	450.0	450.6
35°	514.9	512.3	500.5	486.3	468.0	457.1	461.0	473.9	489.5	503.2	503.8
37.5°	573.3	569.3	555.2	540.2	515.4	502.5	509.0	525.9	544.1	559.6	561.6
40°	632.9	632.9	617.5	597.4	567.4	551.9	558.9	581.7	605.1	619.4	622.6
42.5°	699.9	700.5	683.0	658.9	624.0	605.7	614.3	640.9	669.3	685.0	688.2
45°	769.9	772.0	759.0	725.2	685.0	662.9	672.7	706.3	738.1	754.3	757.0
47.5°	845.3	847.9	835.6	796.5	750.5	726.5	736.9	775.1	812.2	827.8	830.4
50°	925.2	927.1	912.1	874.0	821.9	792.8	805.7	848.5	886.8	902.4	906.3
52.5°	1007.5	1009.5	995.3	957.0	896.6	864.1	879.7	924.5	967.4	980.9	981.7
55°	1090.7	1093.2	1081.0	1039.3	974.5	937.6	955.0	1002.4	1048.5	1061.4	1065.4
57.5°	1172.5	1175.2	1170.0	1123.2	1053.7	1011.5	1031.7	1083.5	1129.0	1139.4	1140.0
60°	1249.2	1253.7	1249.8	1203.6	1128.5	1082.3	1103.7	1158.3	1203.6	1212.2	1213.4
62.5°	1316.6	1319.3	1321.1	1279.6	1194.6	1144.6	1168.7	1225.1	1269.2	1274.4	1273.7
65°	1362.8	1367.9	1374.4	1334.3	1248.5	1194.6	1219.3	1274.4	1315.4	1319.3	1316.6
67.5°	1380.2	1387.4	1401.6	1366.1	1281.6	1225.1	1249.2	1300.4	1335.5	1337.4	1332.8
68°	1380.2	1386.8	1403.6	1368.6	1284.8	1228.3	1251.7	1302.4	1336.0	1336.0	1332.2
70°	1360.2	1369.2	1391.4	1364.6	1285.5	1230.9	1251.1	1294.5	1323.2	1318.0	1312.2
72.5°	1296.6	1306.9	1336.8	1320.6	1255.7	1207.0	1221.2	1253.0	1266.0	1255.7	1249.8
75°	1186.1	1197.3	1238.1	1235.4	1189.4	1149.1	1157.6	1171.8	1171.8	1152.3	1142.0
77.5°	1047.2	1057.7	1097.9	1114.1	1092.0	1062.2	1062.2	1058.9	1042.7	1010.2	1001.2
80°	882.3	891.4	934.2	968.6	964.8	947.9	940.0	919.3	890.8	855.0	842.0
82.5°	717.3	727.2	768.7	803.8	826.5	820.1	806.4	773.9	731.7	692.1	684.2
85°	568.7	572.0	615.5	660.3	686.2	688.8	674.5	632.9	589.5	550.5	541.5
87.5°	443.5	448.0	483.6	529.1	560.9	563.5	549.3	507.1	464.9	429.7	422.1
90°	340.8	348.1	376.6	417.4	448.0	454.5	440.2	402.5	362.9	331.1	324.6
92.5°	262.9	267.4	292.8	327.9	355.8	364.3	351.2	318.1	283.8	255.7	253.2
95°	206.5	207.8	227.9	257.8	281.1	292.2	279.8	252.0	222.1	199.3	196.6
97.5°	159.7	162.4	178.6	203.8	225.2	232.4	223.4	200.0	175.3	153.9	152.0
100°	124.0	125.9	140.2	163.0	180.5	186.9	179.8	160.3	137.6	120.7	120.7
102.5°	98.6	99.4	111.0	129.8	144.1	149.9	144.7	128.5	109.1	95.4	96.1
105°	79.2	79.2	88.4	105.2	118.8	122.7	118.1	103.8	87.0	76.6	76.6
107.5°	63.6	64.3	71.4	85.7	98.1	102.0	98.1	85.1	70.1	62.3	62.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	52.6	52.6	57.9	70.1	81.1	85.1	81.1	69.4	57.1	50.7	50.7
112.5°	43.5	43.5	47.4	57.9	67.6	71.4	67.6	57.1	46.7	42.2	42.2
115°	37.0	37.0	39.6	48.0	56.5	59.7	56.5	48.0	38.9	36.3	36.3
117.5°	31.8	31.8	33.7	40.2	47.4	50.7	47.4	39.6	33.1	31.3	31.3
120°	27.8	27.8	28.6	33.1	39.6	42.2	39.6	33.1	27.8	26.6	26.6
122.5°	24.1	24.1	24.1	27.8	33.1	35.0	32.5	27.8	24.1	23.4	23.4
125°	21.4	20.8	21.4	23.4	27.3	29.9	27.3	23.4	20.8	20.8	20.8
127.5°	18.9	18.9	18.1	19.5	22.7	24.1	22.7	19.5	18.1	18.1	18.1
130°	16.2	16.2	16.2	16.9	18.1	19.5	18.9	16.9	16.2	16.2	16.2
132.5°	14.4	14.4	13.7	14.4	14.9	15.6	14.9	13.7	13.7	14.4	14.4
135°	12.3	12.3	12.3	11.7	11.7	12.3	11.7	11.7	12.3	12.3	12.3
137.5°	11.0	11.0	10.4	9.7	9.2	9.2	9.2	9.7	10.4	10.4	11.0
140°	9.2	9.2	8.4	7.7	7.1	7.1	7.1	7.7	8.4	9.2	9.2
142.5°	7.7	7.7	7.1	5.8	5.2	4.5	5.2	5.8	6.5	7.1	7.1
145°	5.8	5.8	5.2	4.5	4.0	3.2	3.2	4.5	5.2	5.8	5.8
147.5°	4.5	4.5	4.0	3.2	2.5	1.9	1.9	3.2	4.0	4.5	4.5
150°	3.2	3.2	2.5	1.9	1.3	1.3	1.3	1.9	2.5	2.5	3.2
152.5°	1.9	1.9	1.3	1.3	0.7	0.7	0.7	1.3	1.3	1.9	1.9
155°	0.7	1.3	0.7	0.7	0.7	0.0	0.7	0.7	0.7	1.3	1.3
157.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)