

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: P254791

Luminaire Tested: **LXF.LXT-AF24-60-D-U-5WQ-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254791
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-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 6319.5 lumens
Efficiency: N/A
Efficacy: 98.7 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



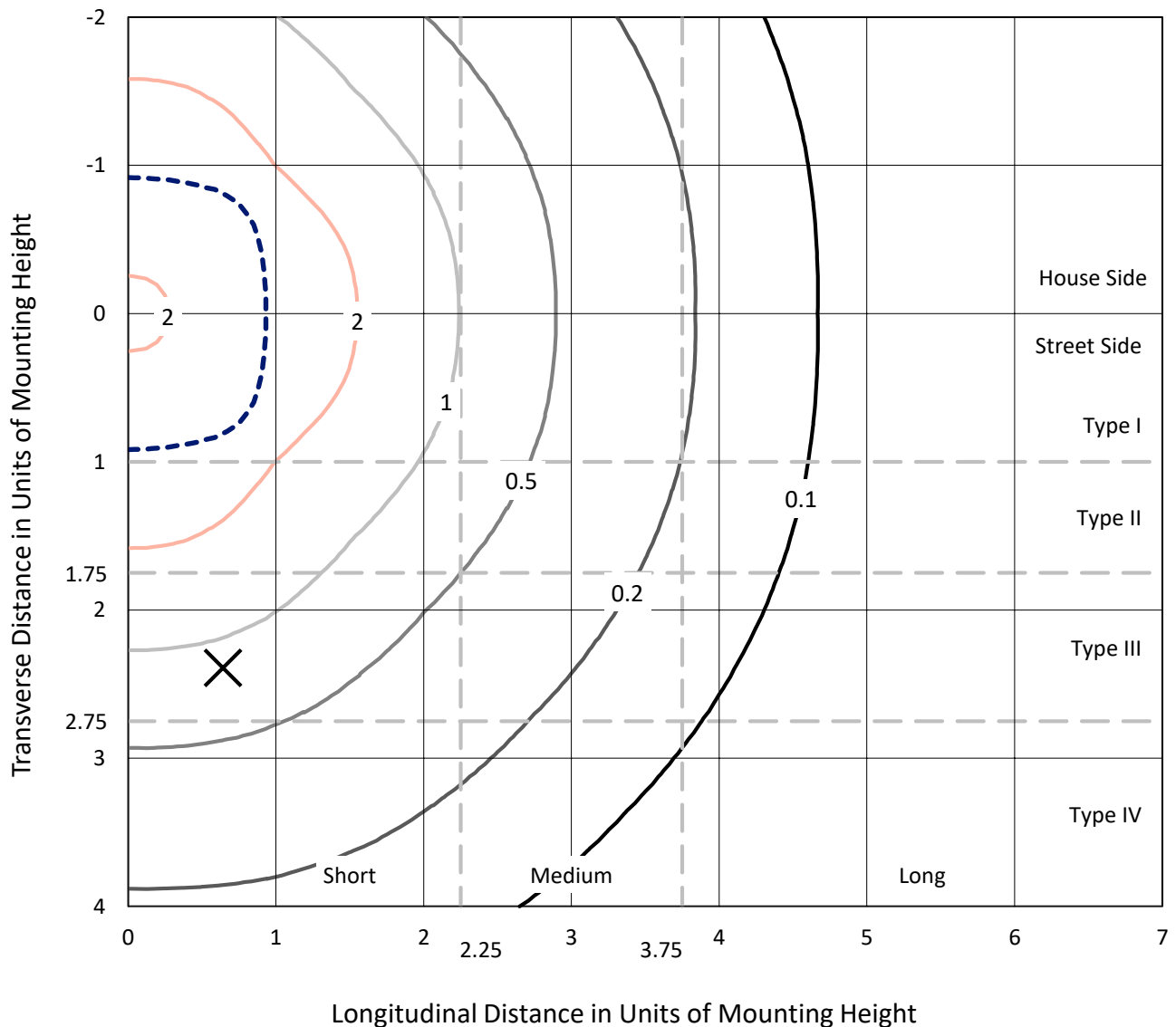


REPORT NUMBER: P254791

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-5WQ-FL-7030

Iso-Footcandle Lines of Horizontal Illumination

Max cd
 1/2 Max cd

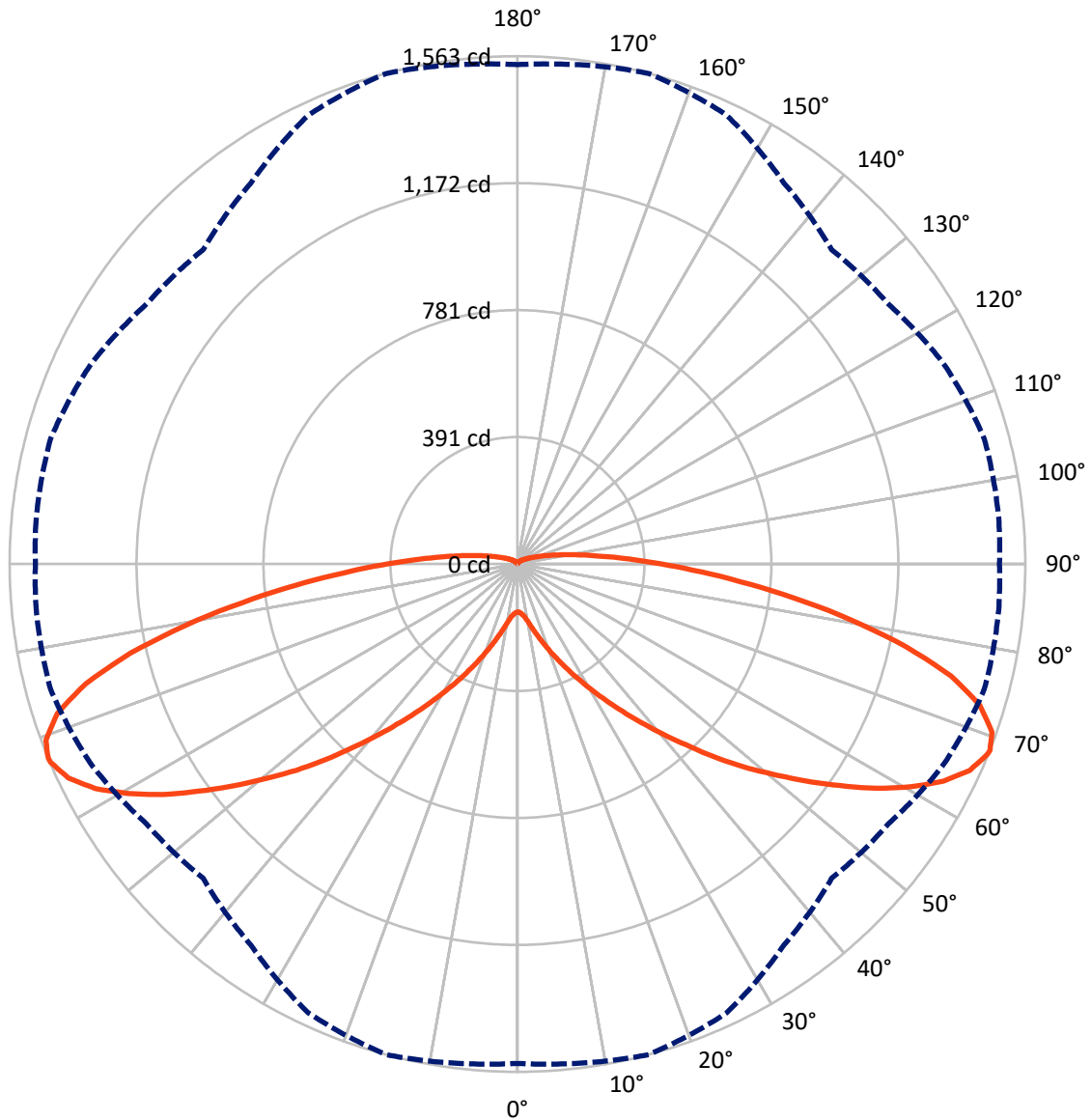


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P254791

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Luminous Intensity Polar Plot



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

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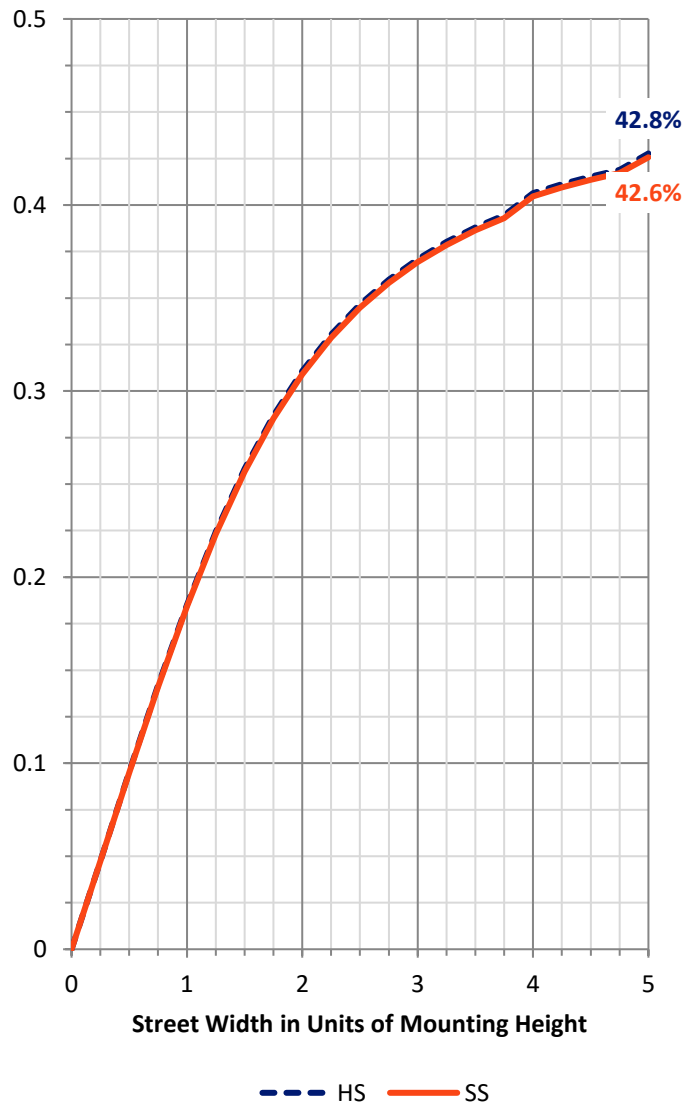
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2895.5	264.2	3159.8
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	2895.5	264.2	3159.8
	% Fixture	45.8	4.2	50.0
Total	Lumens	5791.1	528.5	6319.5
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.2
10°-20°	64.8	1.0
20°-30°	165.2	2.6
30°-40°	343.1	5.4
40°-50°	626.3	9.9
50°-60°	1023.1	16.2
60°-70°	1411.3	22.3
70°-80°	1363.6	21.6
80°-90°	778.2	12.3
90°-100°	313.2	5.0
100°-110°	123.0	1.9
110°-120°	53.3	0.8
120°-130°	24.4	0.4
130°-140°	10.7	0.2
140°-150°	3.4	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5791.1	91.6
0°-180°	6319.5	100.0

Coefficient of Utilization



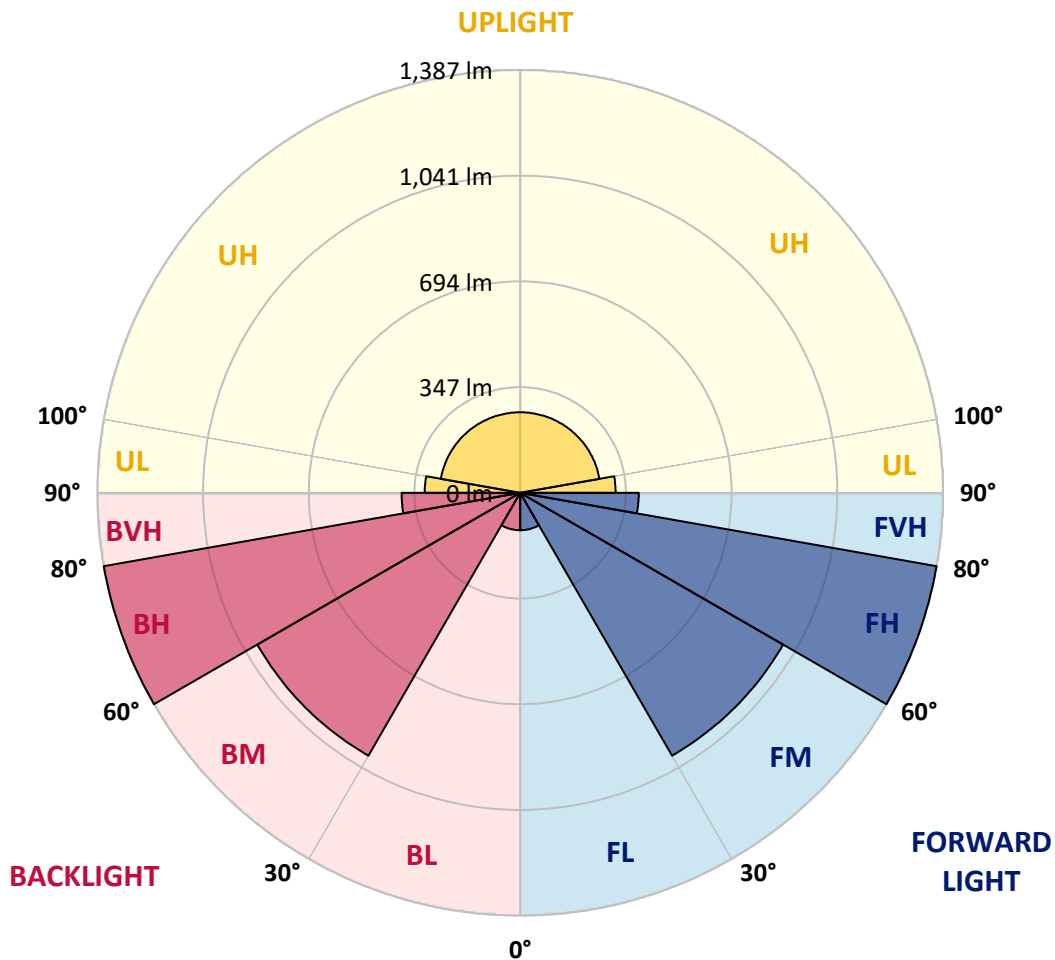
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 CATALOG NUMBER: LXF.LXT-AF24-60-D-U-5WQ-FL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.8	1.9			
FM (30°-60°)	996.2	15.8			
FH (60°-80°)	1387.4	22.0			G1/1800
FVH (80°-90°)	389.1	6.2			G3/500
BL (0°-30°)	122.8	1.9	B1/500		
BM (30°-60°)	996.2	15.8	B1/1000		
BH (60°-80°)	1387.4	22.0	B3/2500		G1/1800
BVH (80°-90°)	389.1	6.2			G3/500
UL (90°-100°)	313.2	5.0		U3/500	
UH (100°-180°)	264.2	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°	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4
2.5°	149.5	149.5	149.5	149.5	149.5	149.5	149.5	149.5	148.9	148.9	148.9
5°	154.7	155.3	155.3	155.3	155.3	155.3	155.3	154.7	154.7	154.7	154.7
7.5°	164.8	164.8	164.8	164.8	164.8	164.1	164.1	164.1	163.4	163.4	162.6
10°	180.8	180.8	180.8	180.0	179.1	178.5	178.5	177.8	177.1	177.1	176.4
12.5°	201.7	201.7	201.7	198.0	197.3	195.9	195.9	195.9	196.5	196.5	197.3
15°	226.9	226.9	226.9	222.6	219.7	216.2	217.5	218.3	219.7	219.7	220.4
17.5°	255.8	255.8	254.3	250.1	245.8	243.5	242.1	244.3	245.8	247.2	247.2
20°	287.7	287.7	285.5	279.7	275.4	273.9	272.5	272.5	276.1	277.5	276.1
22.5°	323.7	322.4	320.9	313.7	309.3	305.7	305.7	305.0	309.3	312.3	311.5
25°	365.0	363.5	359.3	351.3	346.3	341.9	341.1	341.1	348.3	352.7	352.0
27.5°	409.8	407.6	401.8	393.2	385.2	379.4	380.1	383.1	389.5	397.4	397.4
30°	458.9	457.5	448.1	439.4	426.4	419.2	420.6	428.7	437.2	445.9	446.7
32.5°	513.2	510.2	499.5	487.9	472.0	462.6	465.5	474.8	487.9	500.9	501.6
35°	573.2	570.3	557.2	541.4	521.0	508.8	513.2	527.6	544.9	560.2	560.8
37.5°	638.2	633.8	618.0	601.4	573.8	559.4	566.6	585.4	605.7	623.0	625.2
40°	704.6	704.6	687.4	665.0	631.6	614.4	622.2	647.6	673.6	689.5	693.1
42.5°	779.1	779.8	760.3	733.5	694.6	674.3	683.8	713.4	745.1	762.5	766.1
45°	857.1	859.4	844.9	807.3	762.5	737.9	748.8	786.3	821.7	839.7	842.7
47.5°	941.0	943.9	930.2	886.7	835.5	808.7	820.3	862.9	904.1	921.5	924.4
50°	1029.9	1032.1	1015.4	972.9	914.9	882.5	896.9	944.6	987.2	1004.6	1008.9
52.5°	1121.6	1123.8	1108.0	1065.3	998.1	961.9	979.3	1029.2	1076.9	1092.0	1092.8
55°	1214.2	1217.0	1203.4	1157.0	1084.8	1043.7	1063.1	1115.9	1167.2	1181.6	1186.0
57.5°	1305.2	1308.2	1302.4	1250.4	1173.0	1126.0	1148.5	1206.2	1256.8	1268.4	1269.1
60°	1390.6	1395.6	1391.3	1339.9	1256.2	1204.8	1228.6	1289.4	1339.9	1349.4	1350.8
62.5°	1465.7	1468.6	1470.7	1424.5	1329.8	1274.2	1301.0	1363.8	1412.9	1418.7	1417.9
65°	1517.1	1522.8	1530.0	1485.3	1389.8	1329.8	1357.3	1418.7	1464.3	1468.6	1465.7
67.5°	1536.5	1544.5	1560.3	1520.7	1426.7	1363.8	1390.6	1447.6	1486.7	1488.8	1483.7
68°	1536.5	1543.8	1562.5	1523.5	1430.3	1367.4	1393.4	1449.8	1487.3	1487.3	1483.0
70°	1514.2	1524.2	1548.9	1519.1	1431.0	1370.3	1392.7	1441.1	1473.0	1467.2	1460.7
72.5°	1443.4	1454.9	1488.1	1470.1	1397.8	1343.6	1359.5	1394.9	1409.3	1397.8	1391.3
75°	1320.4	1332.8	1378.3	1375.3	1324.0	1279.2	1288.6	1304.5	1304.5	1282.8	1271.3
77.5°	1165.8	1177.4	1222.2	1240.2	1215.6	1182.4	1182.4	1178.8	1160.7	1124.6	1114.5
80°	982.2	992.3	1040.0	1078.3	1074.0	1055.2	1046.4	1023.4	991.6	951.8	937.3
82.5°	798.5	809.5	855.7	894.8	920.1	912.9	897.7	861.5	814.5	770.4	761.7
85°	633.1	636.8	685.2	735.0	763.9	766.8	750.9	704.6	656.2	612.8	602.8
87.5°	493.7	498.7	538.4	589.0	624.4	627.3	611.5	564.5	517.5	478.4	469.9
90°	379.4	387.5	419.2	464.7	498.7	505.9	490.0	448.1	404.0	368.6	361.3
92.5°	292.7	297.7	325.9	365.0	396.1	405.5	391.0	354.1	315.9	284.7	281.9
95°	229.9	231.3	253.7	287.0	312.9	325.3	311.5	280.5	247.2	221.9	218.9
97.5°	177.8	180.8	198.8	226.9	250.7	258.7	248.7	222.6	195.1	171.3	169.2
100°	138.0	140.2	156.1	181.4	200.9	208.1	200.2	178.5	153.2	134.4	134.4
102.5°	109.8	110.6	123.6	144.5	160.4	166.9	161.1	143.1	121.4	106.2	107.0
105°	88.2	88.2	98.4	117.1	132.3	136.6	131.5	115.6	96.8	85.3	85.3
107.5°	70.8	71.6	79.5	95.4	109.2	113.5	109.2	94.7	78.0	69.4	69.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	58.6	58.6	64.4	78.0	90.3	94.7	90.3	77.3	63.6	56.4	56.4
112.5°	48.4	48.4	52.8	64.4	75.2	79.5	75.2	63.6	52.0	47.0	47.0
115°	41.2	41.2	44.1	53.4	62.9	66.5	62.9	53.4	43.3	40.4	40.4
117.5°	35.4	35.4	37.5	44.8	52.8	56.4	52.8	44.1	36.8	34.8	34.8
120°	31.0	31.0	31.8	36.8	44.1	47.0	44.1	36.8	31.0	29.6	29.6
122.5°	26.8	26.8	26.8	31.0	36.8	39.0	36.2	31.0	26.8	26.0	26.0
125°	23.8	23.2	23.8	26.0	30.4	33.3	30.4	26.0	23.2	23.2	23.2
127.5°	21.0	21.0	20.2	21.7	25.3	26.8	25.3	21.7	20.2	20.2	20.2
130°	18.0	18.0	18.0	18.8	20.2	21.7	21.0	18.8	18.0	18.0	18.0
132.5°	16.0	16.0	15.2	16.0	16.6	17.4	16.6	15.2	15.2	16.0	16.0
135°	13.7	13.7	13.7	13.0	13.0	13.7	13.0	13.0	13.7	13.7	13.7
137.5°	12.2	12.2	11.6	10.8	10.2	10.2	10.2	10.8	11.6	11.6	12.2
140°	10.2	10.2	9.4	8.6	7.9	7.9	7.9	8.6	9.4	10.2	10.2
142.5°	8.6	8.6	7.9	6.5	5.8	5.0	5.8	6.5	7.2	7.9	7.9
145°	6.5	6.5	5.8	5.0	4.4	3.6	3.6	5.0	5.8	6.5	6.5
147.5°	5.0	5.0	4.4	3.6	2.8	2.1	2.1	3.6	4.4	5.0	5.0
150°	3.6	3.6	2.8	2.1	1.4	1.4	1.4	2.1	2.8	2.8	3.6
152.5°	2.1	2.1	1.4	1.4	0.8	0.8	0.8	1.4	1.4	2.1	2.1
155°	0.8	1.4	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.4	1.4
157.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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)