

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: P416946

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 7127 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - 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

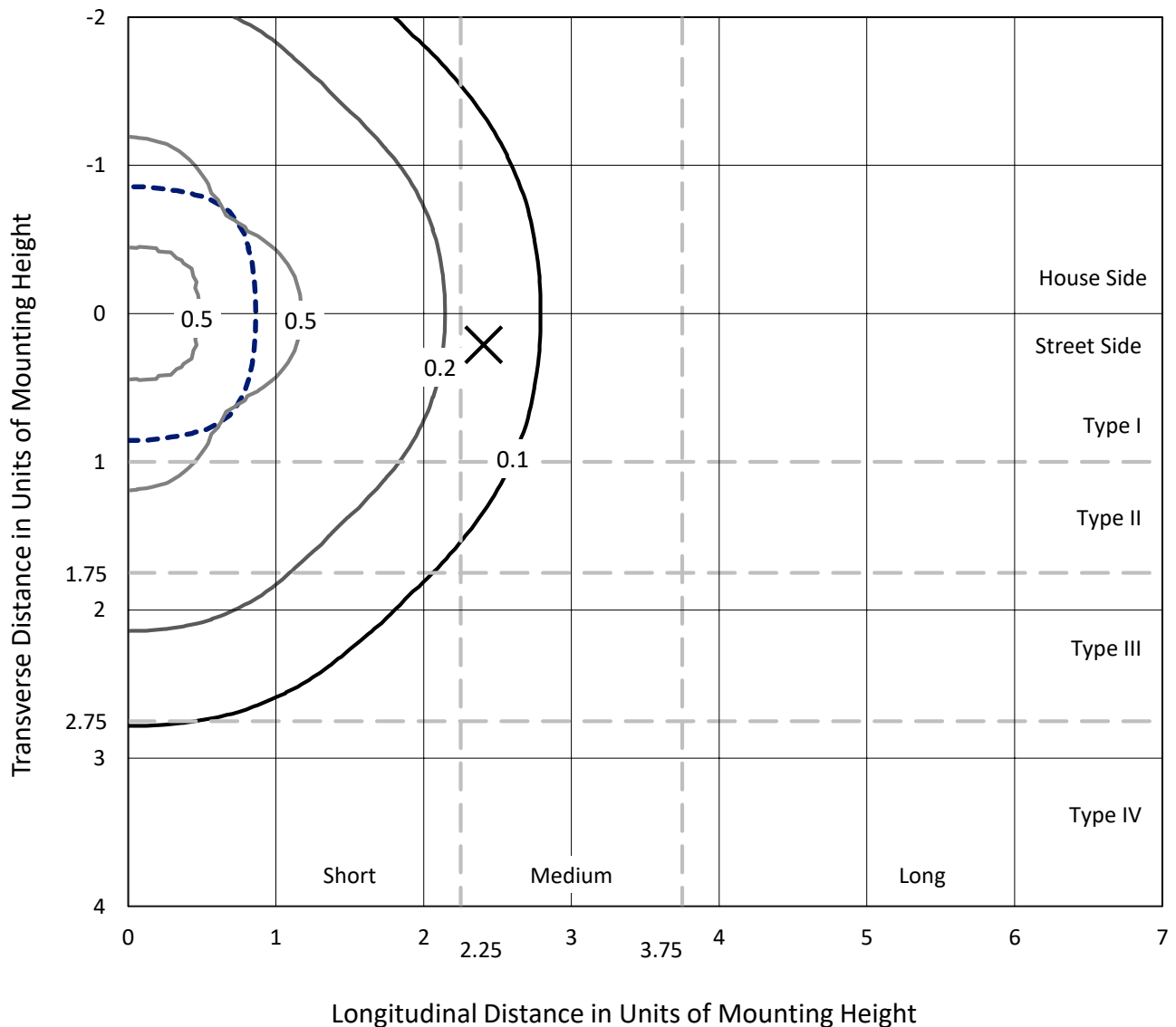


REPORT NUMBER: P416946

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-5WQ-FL

Iso-Footcandle Lines of Horizontal Illumination

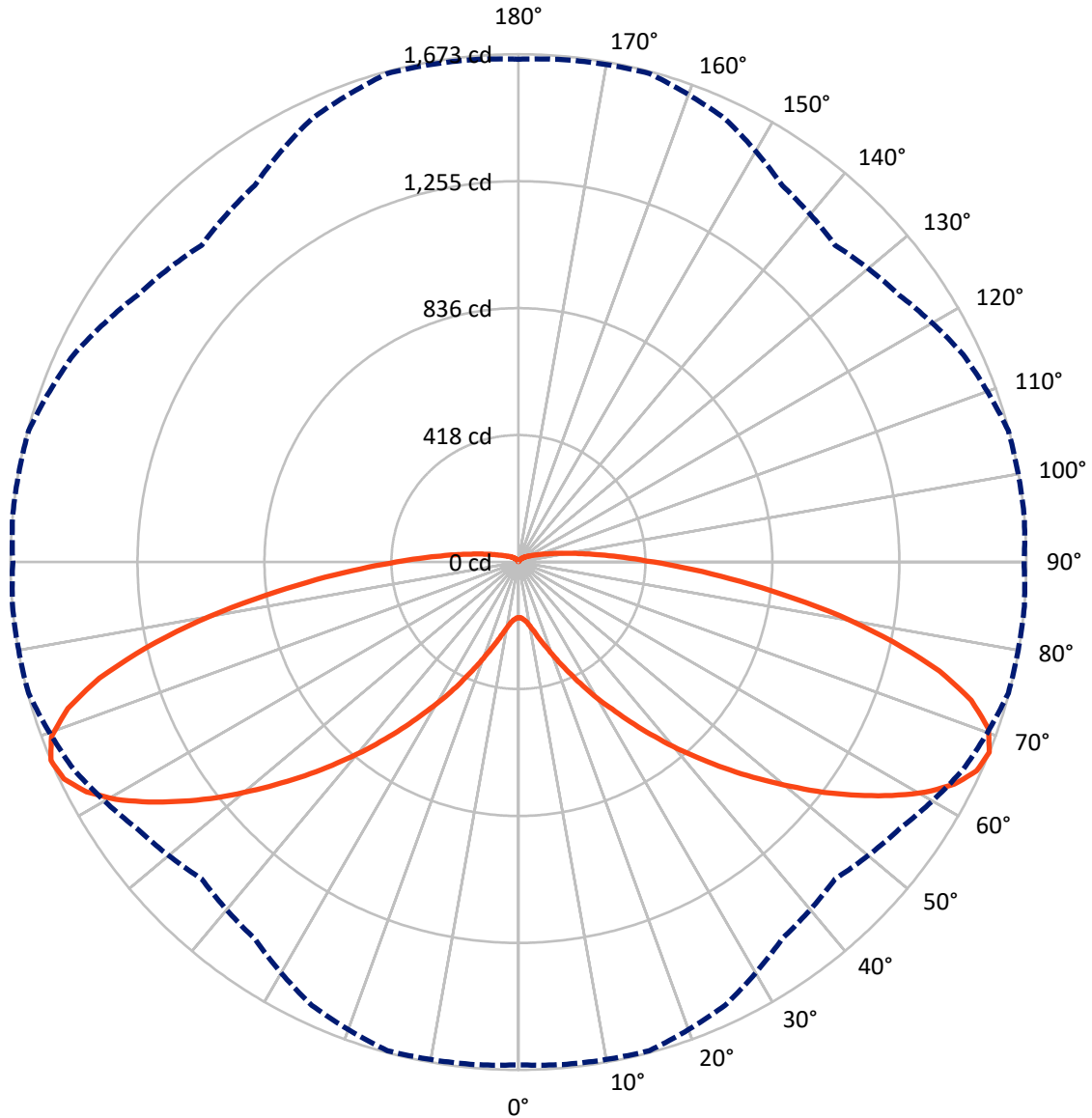
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Medium - Non-Cutoff

REPORT NUMBER: P416946
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-5WQ-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: LXF.LXT-PA1-80-830-U-5WQ-FL

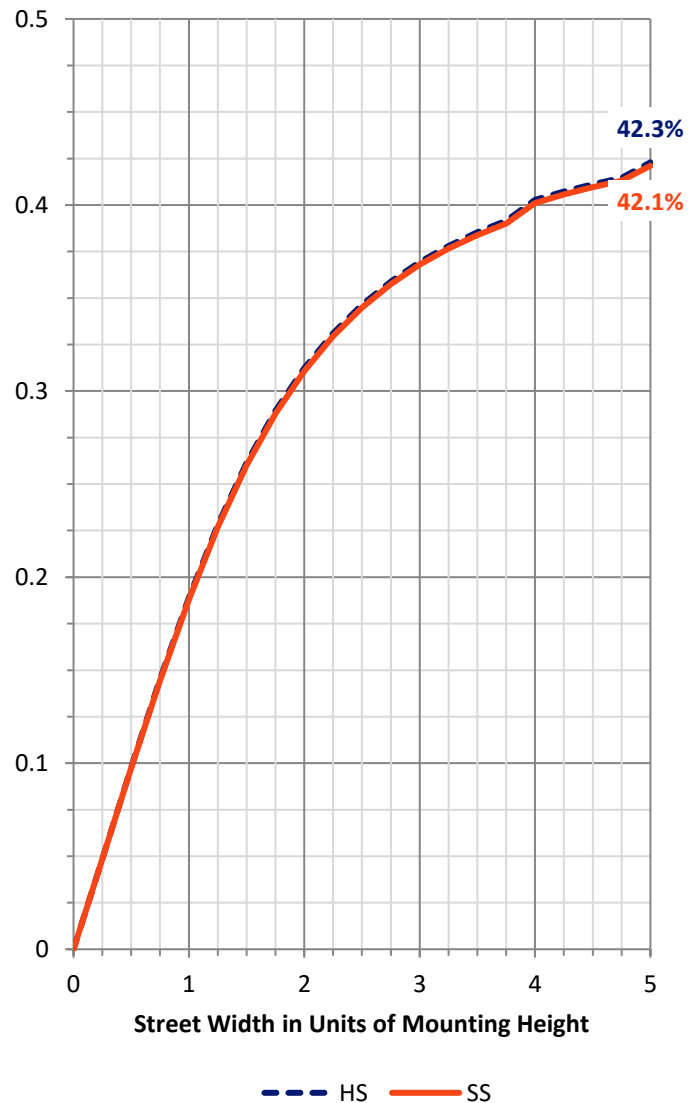
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3231.8	331.7	3563.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	3231.8	331.7	3563.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	6463.5	663.5	7127.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	0.3
10°-20°	77.5	1.1
20°-30°	195.9	2.7
30°-40°	403.2	5.7
40°-50°	724.8	10.2
50°-60°	1158.6	16.3
60°-70°	1550.3	21.8
70°-80°	1469.0	20.6
80°-90°	865.2	12.1
90°-100°	373.8	5.2
100°-110°	159.2	2.2
110°-120°	73.3	1.0
120°-130°	35.1	0.5
130°-140°	15.7	0.2
140°-150°	5.4	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6463.5	90.7
0°-180°	7127.0	100.0



REPORT NUMBER: P416946

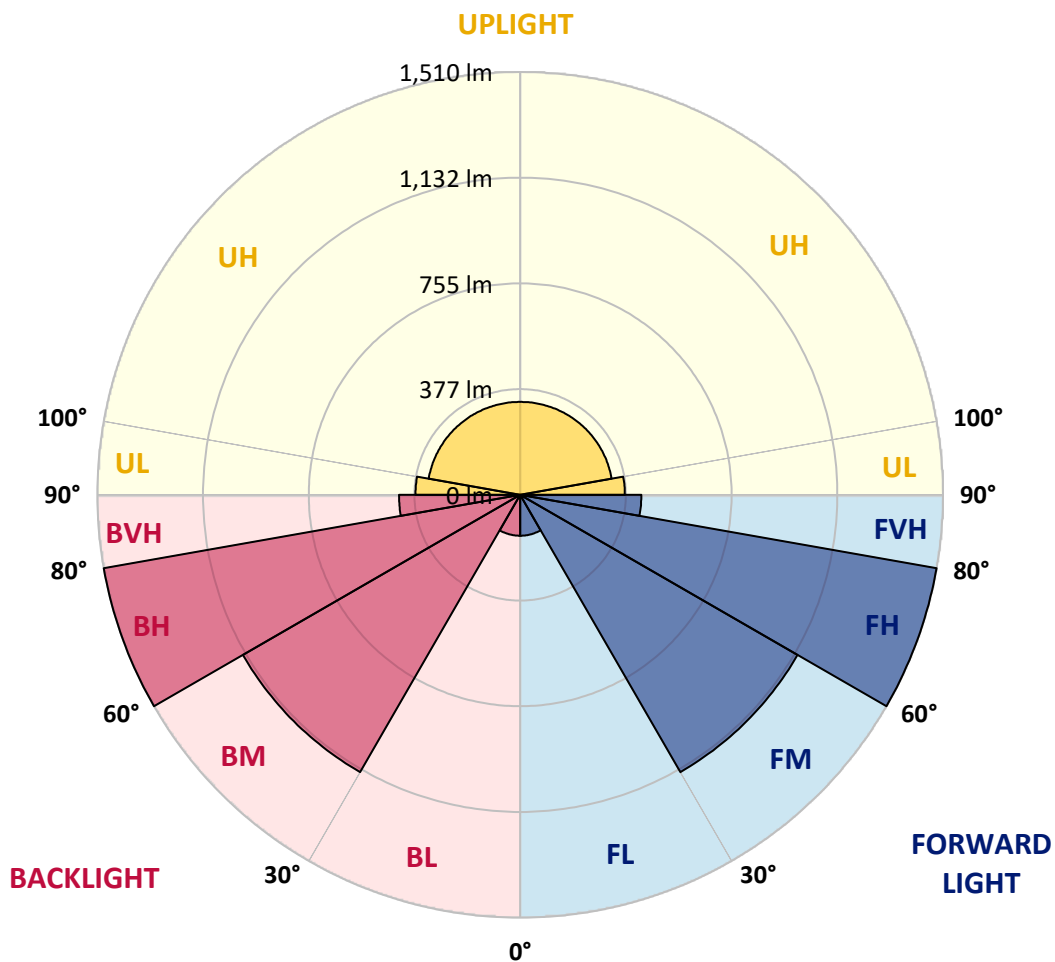
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.2	2.1			
FM	(30°-60°)	1143.3	16.0			
FH	(60°-80°)	1509.6	21.2			G1/1800
FVH	(80°-90°)	432.6	6.1			G3/500
BL	(0°-30°)	146.2	2.1	B1/500		
BM	(30°-60°)	1143.3	16.0	B2/2500		
BH	(60°-80°)	1509.6	21.2	B3/2500		G1/1800
BVH	(80°-90°)	432.6	6.1			G3/500
UL	(90°-100°)	373.8	5.2		U3/500	
UH	(100°-180°)	331.7	4.7		U3/500	

BUG Rating: B3-U3-G3

Type V Medium





REPORT NUMBER: P416946

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8	182.8
2.5°	184.4	183.6	184.4	184.4	185.1	185.1	185.1	185.1	184.4	184.4	184.4
5°	190.7	190.7	190.7	190.7	191.5	191.5	191.5	190.7	190.7	190.7	190.7
7.5°	202.6	201.8	202.6	201.8	201.8	201.0	201.8	201.0	200.2	200.2	200.2
10°	217.7	217.7	217.7	216.9	216.9	216.9	215.3	215.3	215.3	216.1	215.3
12.5°	242.4	240.8	240.8	237.6	236.0	235.2	234.4	234.4	236.8	236.8	235.2
15°	271.0	270.2	270.2	266.2	263.0	258.3	259.0	262.2	262.2	263.8	263.0
17.5°	305.1	304.3	302.0	298.0	294.0	290.8	289.2	290.8	292.4	293.2	294.0
20°	342.5	341.7	338.5	334.5	330.6	329.0	323.4	325.8	327.4	329.0	328.2
22.5°	382.2	382.2	379.0	373.5	369.5	366.3	363.9	361.6	367.1	370.3	371.1
25°	430.7	429.1	423.5	417.2	412.4	410.0	406.8	406.8	410.8	417.2	418.8
27.5°	481.5	479.9	472.0	464.9	458.5	452.9	451.3	453.7	460.9	470.4	470.4
30°	538.0	534.8	527.6	516.5	506.2	500.6	502.2	506.2	516.5	527.6	526.8
32.5°	599.9	594.4	586.4	573.7	558.6	550.7	553.1	564.2	574.5	586.4	588.0
35°	665.9	665.1	652.4	635.7	616.6	603.9	608.7	623.8	639.7	656.4	658.7
37.5°	733.4	735.8	720.7	702.4	674.6	659.5	669.9	691.3	711.2	729.5	731.0
40°	816.1	813.7	798.6	771.6	738.2	721.5	730.3	760.5	785.9	808.9	810.5
42.5°	901.1	894.7	882.0	849.4	804.9	789.9	802.6	836.7	870.9	890.0	890.8
45°	981.4	983.7	969.4	930.5	881.2	858.2	876.5	917.0	956.7	977.4	979.8
47.5°	1082.3	1075.9	1063.2	1013.1	957.5	934.5	955.1	1004.4	1048.1	1067.2	1066.4
50°	1180.8	1176.8	1158.6	1106.1	1043.3	1015.5	1036.2	1096.6	1144.3	1160.9	1164.9
52.5°	1274.6	1273.0	1257.1	1199.1	1131.5	1097.4	1126.0	1188.7	1243.6	1260.3	1261.9
55°	1370.7	1365.9	1354.0	1293.6	1216.6	1178.4	1214.2	1284.1	1340.5	1356.4	1357.2
57.5°	1456.5	1459.7	1450.2	1386.6	1297.6	1261.1	1300.8	1378.7	1435.9	1451.0	1453.4
60°	1542.4	1543.1	1536.0	1474.0	1379.5	1338.1	1384.2	1465.3	1526.5	1540.0	1540.8
62.5°	1609.9	1611.5	1605.9	1538.4	1443.8	1404.1	1454.9	1539.2	1602.0	1611.5	1610.7
65°	1651.2	1656.0	1652.8	1591.6	1490.7	1454.2	1507.4	1595.6	1652.8	1658.4	1656.0
67.5°	1656.0	1661.5	1666.3	1610.7	1514.5	1475.6	1532.0	1616.3	1670.3	1672.7	1665.5
70°	1621.0	1626.6	1637.7	1591.6	1502.6	1470.0	1524.1	1599.6	1644.9	1641.7	1633.7
72.5°	1531.2	1543.1	1559.8	1528.8	1454.2	1427.1	1480.4	1540.8	1571.8	1559.8	1548.7
75°	1402.5	1414.4	1446.2	1428.7	1371.5	1356.4	1396.1	1441.4	1450.2	1432.7	1417.6
77.5°	1246.0	1261.1	1290.5	1304.0	1265.8	1250.7	1284.1	1307.9	1298.4	1260.3	1249.1
80°	1063.2	1087.0	1118.0	1139.5	1129.9	1125.2	1141.9	1139.5	1104.5	1074.3	1055.3
82.5°	896.3	901.1	948.8	975.8	979.0	980.6	985.3	956.7	916.2	875.7	858.2
85°	732.6	734.2	774.0	812.9	828.0	832.8	824.0	785.9	743.8	698.5	686.6
87.5°	587.2	589.6	624.6	664.3	690.5	693.7	677.0	639.7	587.2	546.7	536.4
90°	464.1	472.0	507.0	539.5	567.4	572.1	548.3	508.6	460.1	421.1	414.8
92.5°	371.1	375.1	406.8	437.0	463.3	464.1	447.4	406.8	363.9	329.0	321.0
95°	298.0	301.2	326.6	354.4	375.9	380.6	361.6	325.8	286.1	255.9	254.3
97.5°	237.6	241.6	261.4	290.8	306.7	309.9	297.2	263.8	227.3	200.2	200.2
100°	190.7	193.1	210.6	235.2	251.9	255.1	242.4	213.0	181.2	157.3	155.7
102.5°	155.0	156.5	170.8	193.1	208.2	211.4	200.2	176.4	145.4	126.3	125.5
105°	127.1	127.9	139.1	159.7	174.0	176.4	166.1	145.4	117.6	101.7	100.9
107.5°	104.1	104.9	113.6	132.7	146.2	148.6	139.9	119.2	95.4	84.2	82.6
110°	87.4	88.2	94.6	109.7	123.2	126.3	117.6	99.3	78.7	69.1	69.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	73.9	74.7	79.5	92.2	104.1	108.1	99.3	82.6	66.0	58.8	58.0
115°	62.8	63.6	66.7	77.9	87.4	90.6	84.2	69.1	55.6	50.1	50.1
117.5°	54.8	55.6	57.2	66.0	74.7	77.1	70.7	58.0	46.9	43.7	43.7
120°	48.5	48.5	49.3	55.6	62.8	65.2	59.6	49.3	40.5	38.1	38.1
122.5°	42.1	42.1	42.9	47.7	53.2	54.8	50.1	41.3	35.0	34.2	33.4
125°	37.3	37.3	37.3	40.5	45.3	46.1	42.1	35.0	31.0	30.2	30.2
127.5°	32.6	32.6	32.6	34.2	37.3	38.1	35.0	29.4	27.0	26.2	26.2
130°	28.6	28.6	28.6	29.4	31.0	31.8	28.6	25.4	23.8	23.8	23.8
132.5°	25.4	25.4	24.6	24.6	25.4	25.4	23.8	21.5	20.7	20.7	20.7
135°	22.2	22.2	21.5	20.7	20.7	19.9	18.3	17.5	18.3	18.3	18.3
137.5°	19.1	19.1	18.3	17.5	16.7	15.9	15.1	14.3	15.1	15.9	15.9
140°	15.9	15.9	15.1	13.5	12.7	11.9	11.1	11.9	12.7	13.5	13.5
142.5°	12.7	12.7	12.7	11.1	9.5	8.7	8.7	9.5	10.3	11.1	11.1
145°	10.3	10.3	9.5	8.7	7.2	6.4	6.4	7.2	8.7	8.7	8.7
147.5°	7.9	7.9	7.2	6.4	4.8	4.0	4.8	5.6	6.4	7.2	7.2
150°	5.6	5.6	5.6	4.8	3.2	3.2	3.2	4.0	4.8	4.8	4.8
152.5°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	3.2	3.2	3.2	3.2
155°	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
157.5°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.8	0.8	1.6	1.6	1.6	1.6	0.8	0.8	0.8
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)