

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: P414034

Luminaire Tested: **LXF.LXT-PA1-100-830-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414034
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-PA1-100-830-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 7781 lumens
Efficiency: N/A
Efficacy: 81.1 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

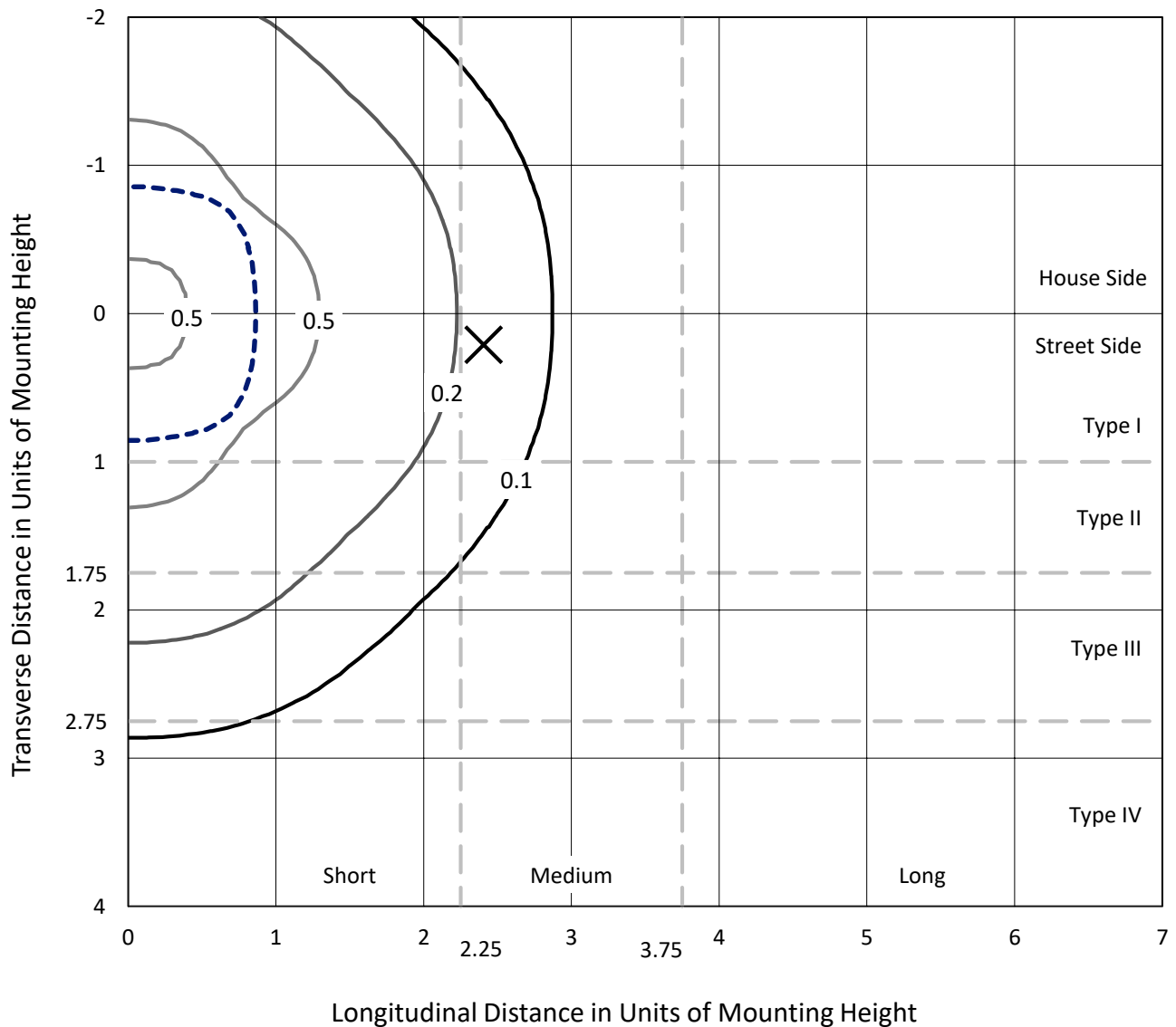
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: LXF.LXT-PA1-100-830-U-5WQ-FL

Iso-Footcandle Lines of Horizontal Illumination

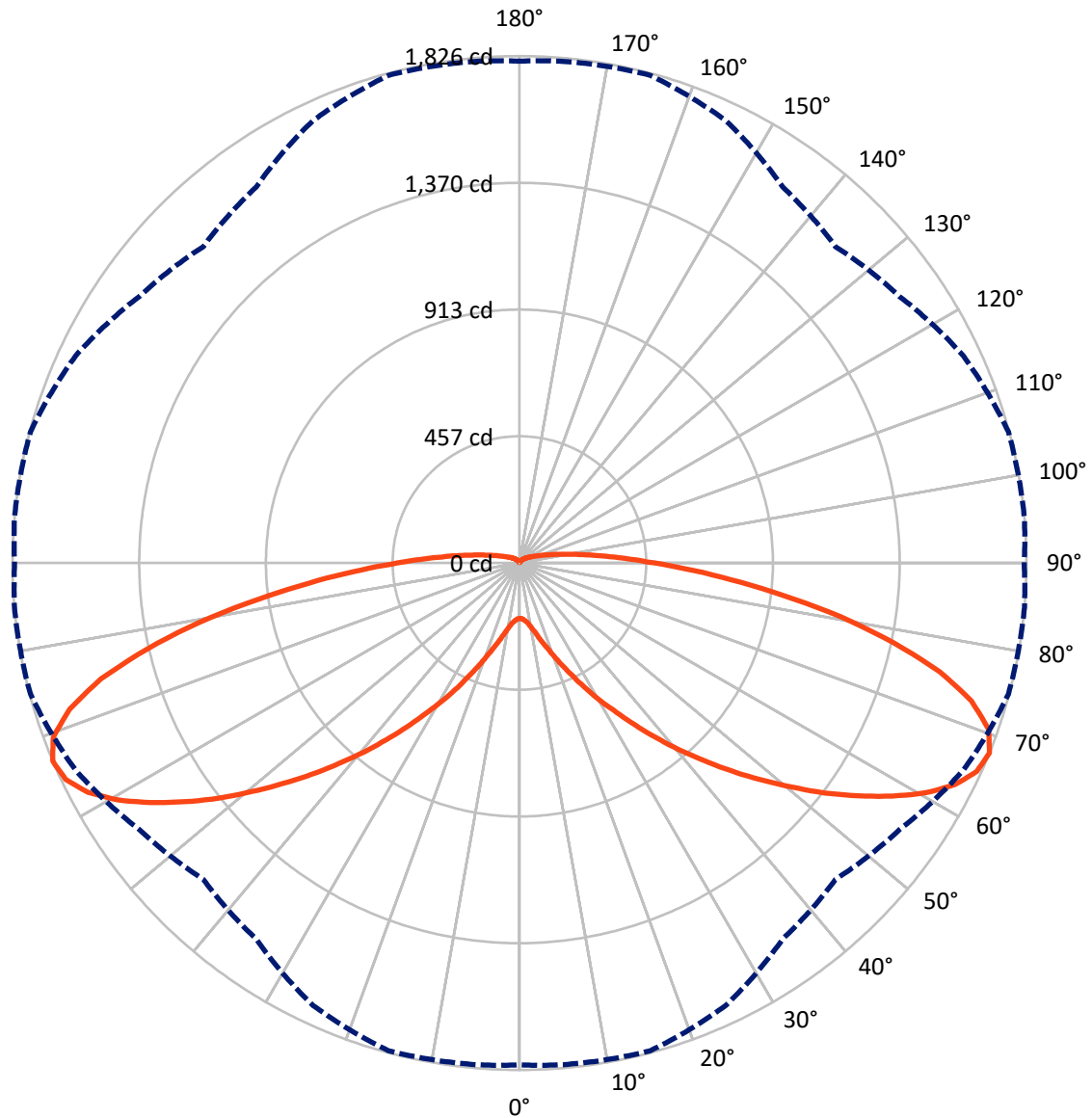
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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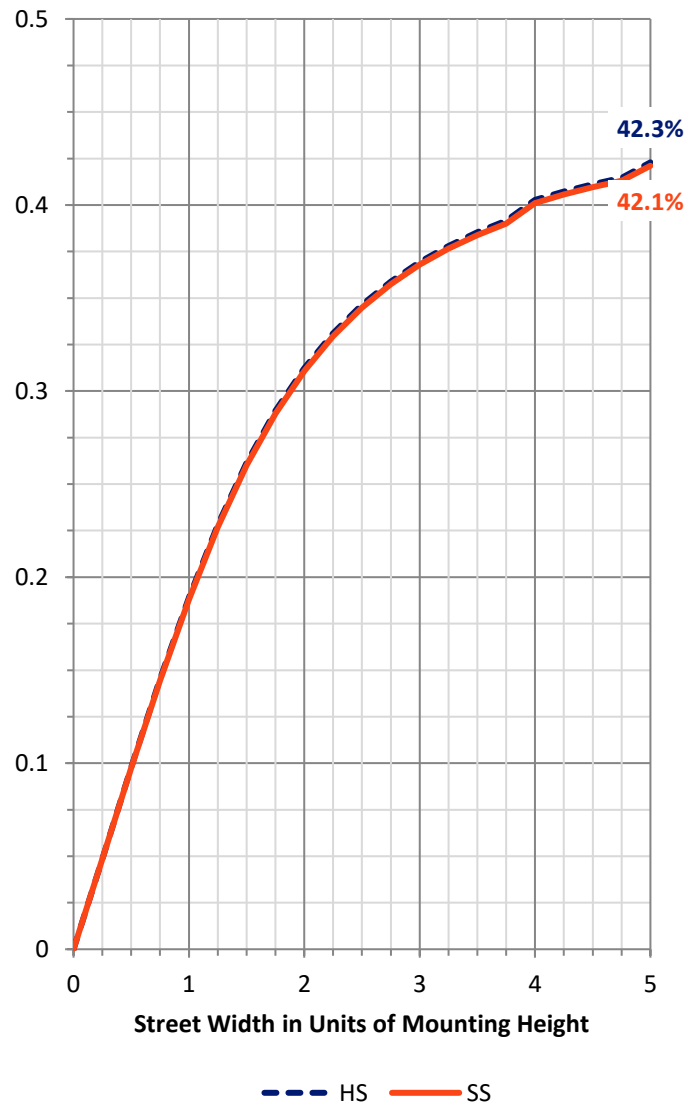
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3528.3	362.2	3890.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	3528.3	362.2	3890.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	7056.6	724.3	7781.0
	% Fixture	90.7	9.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.3
10°-20°	84.6	1.1
20°-30°	213.9	2.7
30°-40°	440.2	5.7
40°-50°	791.3	10.2
50°-60°	1265.0	16.3
60°-70°	1692.5	21.8
70°-80°	1603.8	20.6
80°-90°	944.6	12.1
90°-100°	408.1	5.2
100°-110°	173.8	2.2
110°-120°	80.0	1.0
120°-130°	38.3	0.5
130°-140°	17.1	0.2
140°-150°	5.8	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7056.6	90.7
0°-180°	7781.0	100.0

Coefficient of Utilization



REPORT NUMBER: P414034

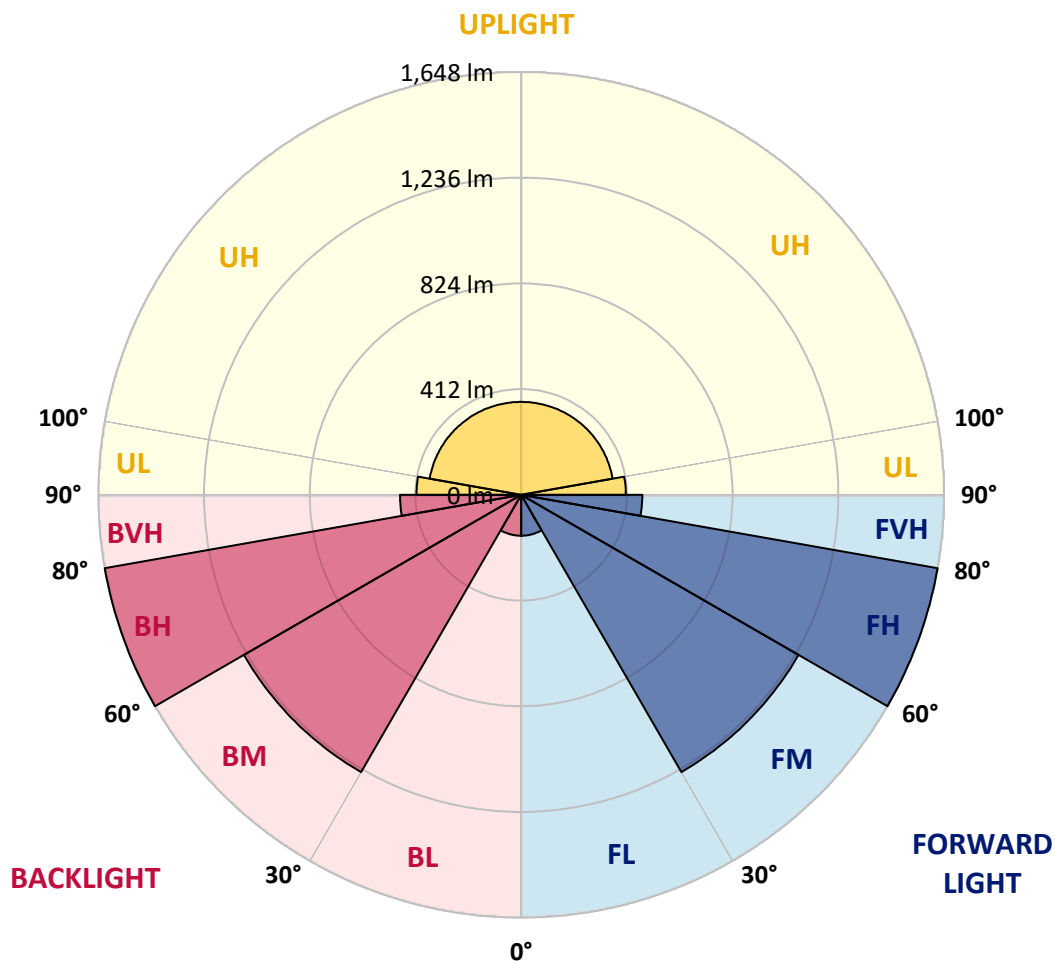
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.6	2.1			
FM (30°-60°)	1248.2	16.0			
FH (60°-80°)	1648.2	21.2			G1/1800
FVH (80°-90°)	472.3	6.1			G3/500
BL (0°-30°)	159.6	2.1	B1/500		
BM (30°-60°)	1248.2	16.0	B2/2500		
BH (60°-80°)	1648.2	21.2	B3/2500		G1/1800
BVH (80°-90°)	472.3	6.1			G3/500
UL (90°-100°)	408.1	5.2		U3/500	
UH (100°-180°)	362.2	4.7		U3/500	

BUG Rating: B3-U3-G3

Type V Medium





REPORT NUMBER: P414034

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5	199.5
2.5°	201.3	200.4	201.3	201.3	202.1	202.1	202.1	202.1	201.3	201.3	201.3
5°	208.2	208.2	208.2	208.2	209.1	209.1	209.1	208.2	208.2	208.2	208.2
7.5°	221.2	220.4	221.2	220.4	220.4	219.5	220.4	219.5	218.6	218.6	218.6
10°	237.7	237.7	237.7	236.8	236.8	236.8	235.1	235.1	235.1	236.0	235.1
12.5°	264.6	262.9	262.9	259.4	257.7	256.8	255.9	255.9	258.5	258.5	256.8
15°	295.8	295.0	295.0	290.6	287.2	281.9	282.8	286.3	286.3	288.0	287.2
17.5°	333.1	332.3	329.7	325.3	321.0	317.5	315.8	317.5	319.3	320.1	321.0
20°	373.9	373.0	369.6	365.2	360.9	359.2	353.1	355.7	357.4	359.2	358.3
22.5°	417.3	417.3	413.8	407.7	403.4	399.9	397.3	394.7	400.8	404.3	405.1
25°	470.2	468.5	462.4	455.5	450.3	447.6	444.2	444.2	448.5	455.5	457.2
27.5°	525.7	524.0	515.3	507.5	500.6	494.5	492.8	495.4	503.2	513.6	513.6
30°	587.3	583.9	576.0	563.9	552.6	546.5	548.3	552.6	563.9	576.0	575.2
32.5°	655.0	648.9	640.2	626.4	609.9	601.2	603.8	616.0	627.2	640.2	642.0
35°	727.0	726.1	712.2	694.0	673.2	659.3	664.5	681.0	698.4	716.6	719.2
37.5°	800.7	803.3	786.9	766.9	736.5	720.1	731.3	754.8	776.4	796.4	798.1
40°	891.0	888.4	871.9	842.4	805.9	787.7	797.3	830.2	858.0	883.2	884.9
42.5°	983.8	976.8	963.0	927.4	878.8	862.3	876.2	913.5	950.8	971.6	972.5
45°	1071.4	1074.0	1058.4	1015.9	962.1	936.9	956.9	1001.1	1044.5	1067.1	1069.7
47.5°	1181.6	1174.6	1160.8	1106.1	1045.4	1020.2	1042.8	1096.6	1144.3	1165.1	1164.2
50°	1289.2	1284.8	1264.9	1207.6	1139.1	1108.7	1131.3	1197.2	1249.3	1267.5	1271.8
52.5°	1391.5	1389.8	1372.4	1309.1	1235.4	1198.1	1229.3	1297.8	1357.7	1375.9	1377.6
55°	1496.5	1491.3	1478.3	1412.3	1328.2	1286.6	1325.6	1401.9	1463.5	1480.9	1481.8
57.5°	1590.2	1593.7	1583.3	1513.9	1416.7	1376.8	1420.2	1505.2	1567.6	1584.1	1586.7
60°	1683.9	1684.8	1676.9	1609.3	1506.0	1460.9	1511.2	1599.7	1666.5	1681.3	1682.2
62.5°	1757.6	1759.4	1753.3	1679.5	1576.3	1532.9	1588.5	1680.4	1749.0	1759.4	1758.5
65°	1802.7	1807.9	1804.5	1737.7	1627.5	1587.6	1645.7	1742.0	1804.5	1810.5	1807.9
67.5°	1807.9	1814.0	1819.2	1758.5	1653.5	1611.0	1672.6	1764.6	1823.6	1826.2	1818.4
70°	1769.8	1775.8	1788.0	1737.7	1640.5	1604.9	1663.9	1746.4	1795.8	1792.3	1783.7
72.5°	1671.7	1684.8	1703.0	1669.1	1587.6	1558.1	1616.2	1682.2	1716.0	1703.0	1690.8
75°	1531.2	1544.2	1578.9	1559.8	1497.4	1480.9	1524.3	1573.7	1583.3	1564.2	1547.7
77.5°	1360.3	1376.8	1408.9	1423.6	1382.0	1365.5	1401.9	1428.0	1417.6	1375.9	1363.8
80°	1160.8	1186.8	1220.6	1244.0	1233.6	1228.4	1246.6	1244.0	1205.9	1172.9	1152.1
82.5°	978.6	983.8	1035.8	1065.3	1068.8	1070.5	1075.7	1044.5	1000.3	956.0	936.9
85°	799.9	801.6	845.0	887.5	904.0	909.2	899.6	858.0	812.0	762.6	749.6
87.5°	641.1	643.7	681.9	725.3	753.9	757.4	739.1	698.4	641.1	596.9	585.6
90°	506.6	515.3	553.5	589.1	619.4	624.6	598.6	555.2	502.3	459.8	452.9
92.5°	405.1	409.5	444.2	477.1	505.8	506.6	488.4	444.2	397.3	359.2	350.5
95°	325.3	328.8	356.6	386.9	410.3	415.5	394.7	355.7	312.3	279.3	277.6
97.5°	259.4	263.7	285.4	317.5	334.9	338.3	324.5	288.0	248.1	218.6	218.6
100°	208.2	210.8	229.9	256.8	275.0	278.5	264.6	232.5	197.8	171.8	170.0
102.5°	169.2	170.9	186.5	210.8	227.3	230.8	218.6	192.6	158.8	137.9	137.1
105°	138.8	139.7	151.8	174.4	190.0	192.6	181.3	158.8	128.4	111.0	110.2
107.5°	113.6	114.5	124.1	144.9	159.6	162.2	152.7	130.1	104.1	92.0	90.2
110°	95.4	96.3	103.2	119.7	134.5	137.9	128.4	108.4	85.9	75.5	75.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	80.7	81.5	86.8	100.6	113.6	118.0	108.4	90.2	72.0	64.2	63.3
115°	68.5	69.4	72.9	85.0	95.4	98.9	92.0	75.5	60.7	54.7	54.7
117.5°	59.9	60.7	62.5	72.0	81.5	84.2	77.2	63.3	51.2	47.7	47.7
120°	52.9	52.9	53.8	60.7	68.5	71.1	65.1	53.8	44.2	41.6	41.6
122.5°	46.0	46.0	46.8	52.1	58.1	59.9	54.7	45.1	38.2	37.3	36.4
125°	40.8	40.8	40.8	44.2	49.4	50.3	46.0	38.2	33.8	33.0	33.0
127.5°	35.6	35.6	35.6	37.3	40.8	41.6	38.2	32.1	29.5	28.6	28.6
130°	31.2	31.2	31.2	32.1	33.8	34.7	31.2	27.8	26.0	26.0	26.0
132.5°	27.8	27.8	26.9	26.9	27.8	27.8	26.0	23.4	22.6	22.6	22.6
135°	24.3	24.3	23.4	22.6	22.6	21.7	20.0	19.1	20.0	20.0	20.0
137.5°	20.8	20.8	20.0	19.1	18.2	17.4	16.5	15.6	16.5	17.4	17.4
140°	17.4	17.4	16.5	14.7	13.9	13.0	12.1	13.0	13.9	14.7	14.7
142.5°	13.9	13.9	13.9	12.1	10.4	9.5	9.5	10.4	11.3	12.1	12.1
145°	11.3	11.3	10.4	9.5	7.8	6.9	6.9	7.8	9.5	9.5	9.5
147.5°	8.7	8.7	7.8	6.9	5.2	4.3	5.2	6.1	6.9	7.8	7.8
150°	6.1	6.1	6.1	5.2	3.5	3.5	3.5	4.3	5.2	5.2	5.2
152.5°	3.5	3.5	3.5	3.5	2.6	1.7	2.6	3.5	3.5	3.5	3.5
155°	2.6	2.6	2.6	2.6	1.7	1.7	1.7	2.6	2.6	2.6	2.6
157.5°	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
160°	0.0	0.0	0.9	0.9	1.7	1.7	1.7	1.7	0.9	0.9	0.9
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)