

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: P417050

Luminaire Tested: **LXF.LXT-PA1-90-727-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417050
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-PA1-90-727-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA 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: 8087 lumens
Efficiency: N/A
Efficacy: 86.0 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): 94
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

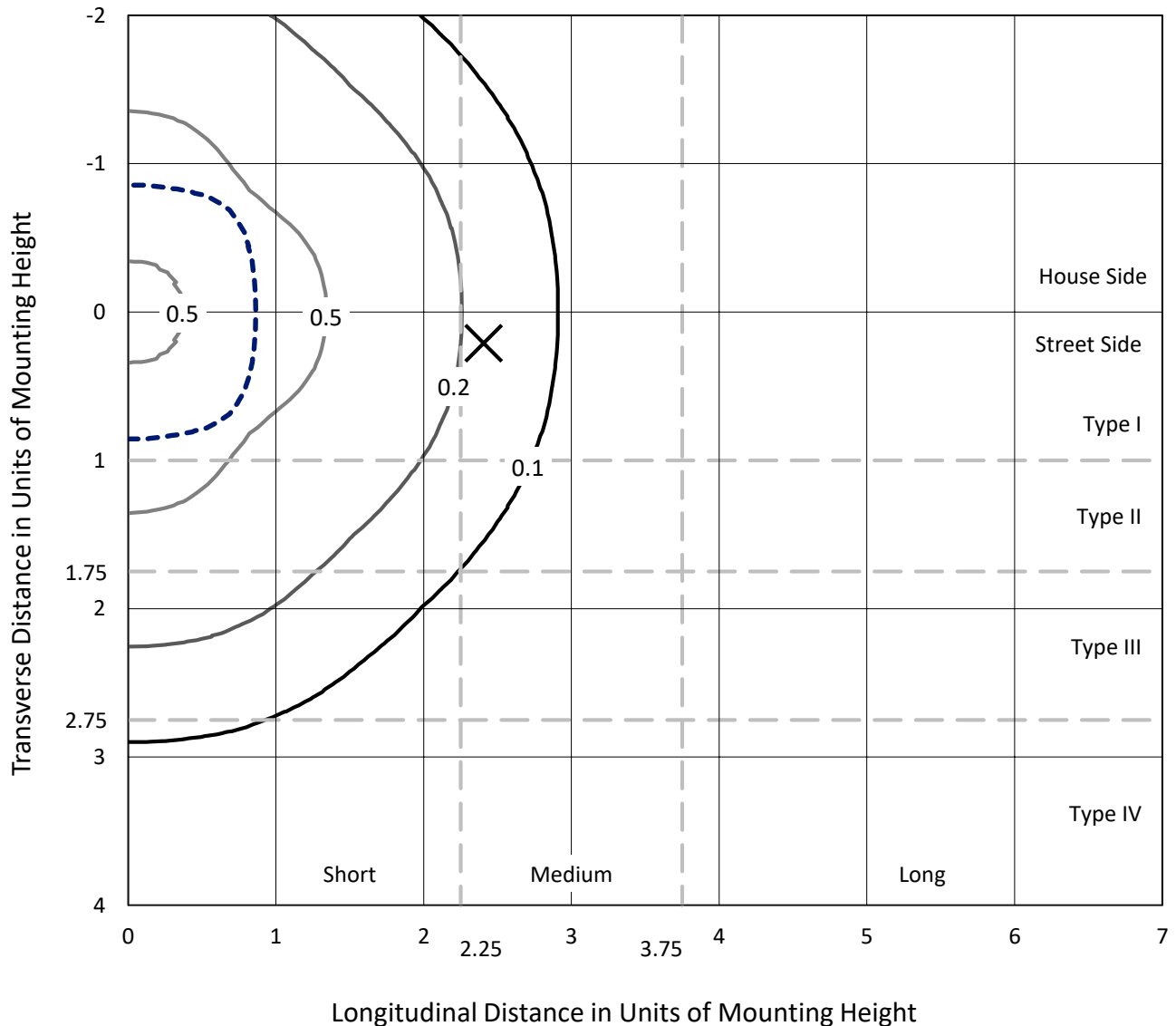


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Iso-Footcandle Lines of Horizontal Illumination

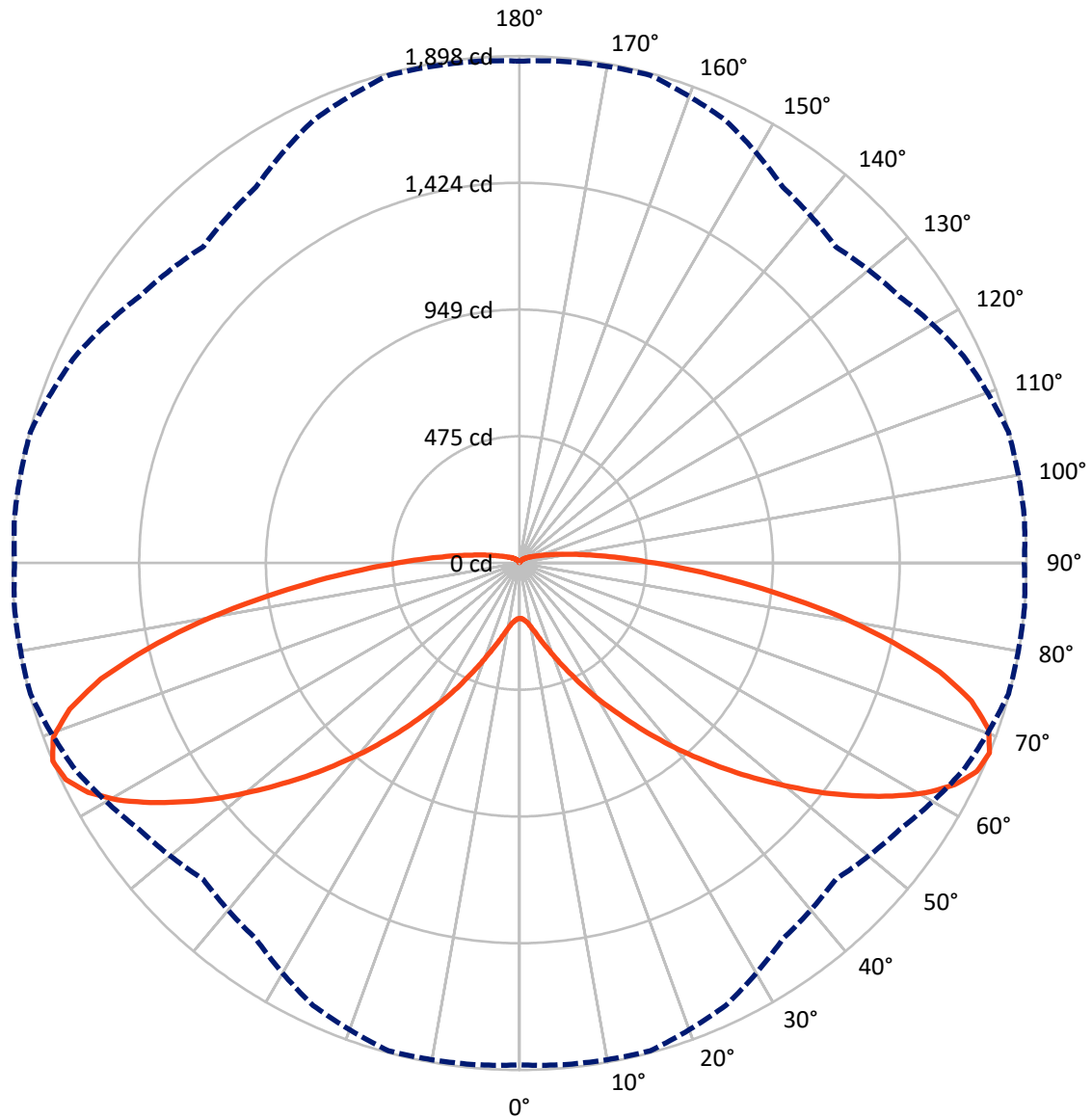
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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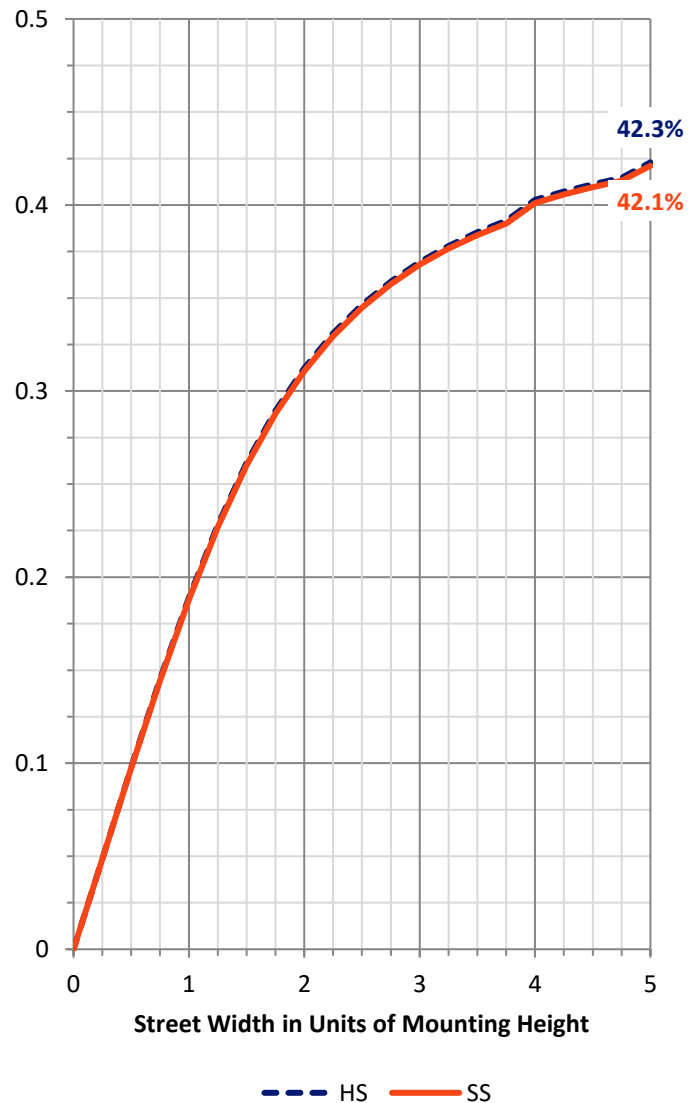
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3667.1	376.4	4043.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	3667.1	376.4	4043.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	7334.1	752.8	8087.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	0.3
10°-20°	87.9	1.1
20°-30°	222.3	2.7
30°-40°	457.5	5.7
40°-50°	822.4	10.2
50°-60°	1314.7	16.3
60°-70°	1759.1	21.8
70°-80°	1666.8	20.6
80°-90°	981.8	12.1
90°-100°	424.1	5.2
100°-110°	180.6	2.2
110°-120°	83.2	1.0
120°-130°	39.8	0.5
130°-140°	17.8	0.2
140°-150°	6.1	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7334.1	90.7
0°-180°	8087.0	100.0



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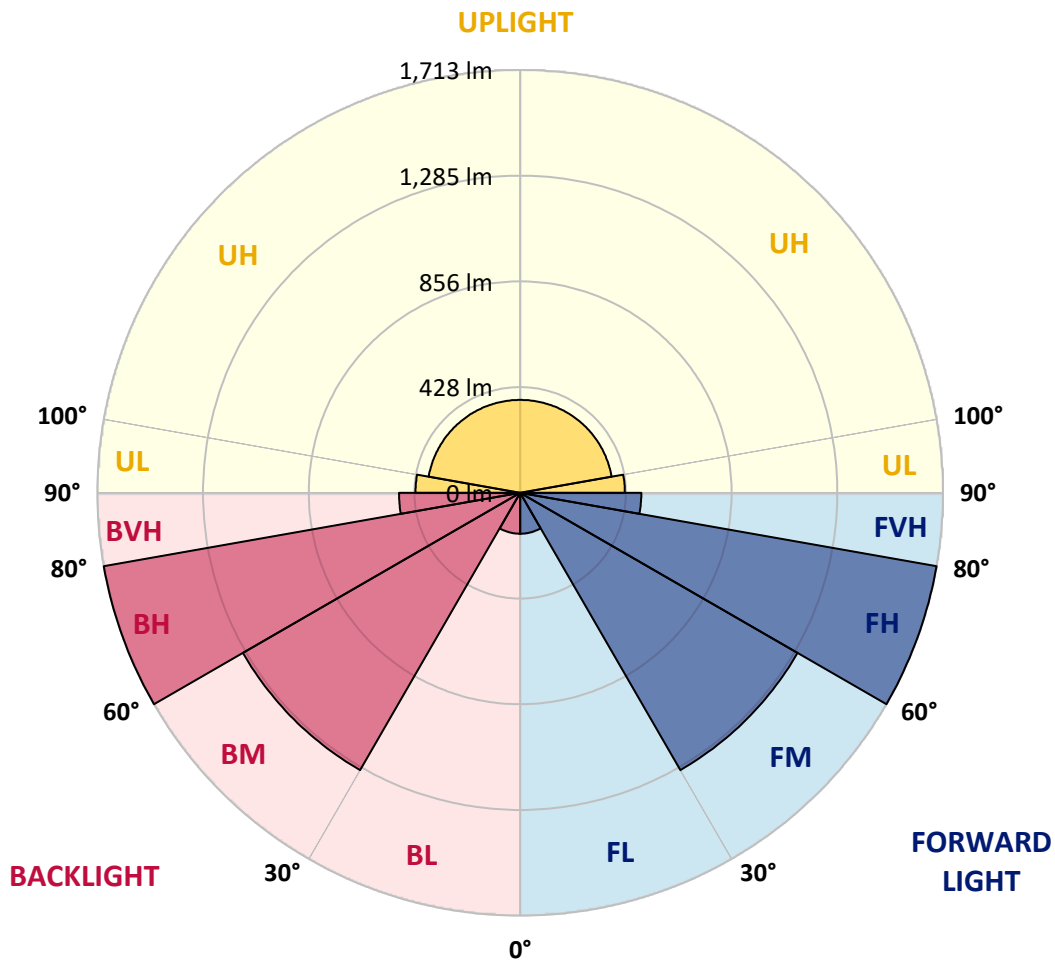
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.9	2.1			
FM (30°-60°)	1297.3	16.0			
FH (60°-80°)	1713.0	21.2			G1/1800
FVH (80°-90°)	490.9	6.1			G3/500
BL (0°-30°)	165.9	2.1	B1/500		
BM (30°-60°)	1297.3	16.0	B2/2500		
BH (60°-80°)	1713.0	21.2	B3/2500		G1/1800
BVH (80°-90°)	490.9	6.1			G3/500
UL (90°-100°)	424.1	5.2		U3/500	
UH (100°-180°)	376.4	4.7		U3/500	

BUG Rating: B3-U3-G3

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4
2.5°	209.2	208.3	209.2	209.2	210.1	210.1	210.1	210.1	209.2	209.2	209.2
5°	216.4	216.4	216.4	216.4	217.3	217.3	217.3	216.4	216.4	216.4	216.4
7.5°	229.9	229.0	229.9	229.0	229.0	228.1	229.0	228.1	227.2	227.2	227.2
10°	247.1	247.1	247.1	246.2	246.2	246.2	244.3	244.3	244.3	245.2	244.3
12.5°	275.0	273.2	273.2	269.6	267.8	266.9	266.0	266.0	268.7	268.7	266.9
15°	307.5	306.6	306.6	302.1	298.4	293.0	293.9	297.5	297.5	299.3	298.4
17.5°	346.2	345.3	342.6	338.1	333.6	330.0	328.2	330.0	331.8	332.7	333.6
20°	388.6	387.7	384.1	379.6	375.1	373.3	367.0	369.7	371.5	373.3	372.4
22.5°	433.7	433.7	430.1	423.8	419.3	415.7	413.0	410.3	416.6	420.2	421.1
25°	488.7	486.9	480.6	473.4	468.0	465.3	461.6	461.6	466.2	473.4	475.2
27.5°	546.4	544.6	535.6	527.5	520.3	513.9	512.1	514.8	523.0	533.8	533.8
30°	610.4	606.8	598.7	586.1	574.4	568.0	569.8	574.4	586.1	598.7	597.8
32.5°	680.7	674.4	665.4	651.0	633.9	624.8	627.6	640.2	651.9	665.4	667.2
35°	755.6	754.7	740.3	721.3	699.7	685.3	690.7	707.8	725.8	744.8	747.5
37.5°	832.2	834.9	817.8	797.1	765.5	748.4	760.1	784.4	807.0	827.7	829.5
40°	926.0	923.3	906.2	875.5	837.6	818.7	828.6	862.9	891.7	917.9	919.7
42.5°	1022.5	1015.3	1000.8	963.9	913.4	896.2	910.7	949.4	988.2	1009.9	1010.8
45°	1113.5	1116.2	1100.0	1055.8	999.9	973.8	994.5	1040.5	1085.6	1109.0	1111.7
47.5°	1228.1	1220.8	1206.4	1149.6	1086.5	1060.3	1083.8	1139.7	1189.3	1210.9	1210.0
50°	1339.9	1335.3	1314.6	1255.1	1183.9	1152.3	1175.8	1244.3	1298.4	1317.3	1321.8
52.5°	1446.3	1444.4	1426.4	1360.6	1284.0	1245.2	1277.6	1348.9	1411.1	1430.0	1431.8
55°	1555.4	1549.9	1536.4	1467.9	1380.4	1337.2	1377.7	1457.1	1521.1	1539.1	1540.0
57.5°	1652.7	1656.3	1645.5	1573.4	1472.4	1430.9	1476.0	1564.4	1629.3	1646.4	1649.1
60°	1750.1	1751.0	1742.9	1672.6	1565.3	1518.4	1570.7	1662.6	1732.1	1747.4	1748.3
62.5°	1826.7	1828.6	1822.2	1745.6	1638.3	1593.2	1650.9	1746.5	1817.7	1828.6	1827.7
65°	1873.6	1879.0	1875.4	1806.0	1691.5	1650.0	1710.4	1810.5	1875.4	1881.8	1879.0
67.5°	1879.0	1885.4	1890.8	1827.7	1718.6	1674.4	1738.4	1834.0	1895.3	1898.0	1889.9
70°	1839.4	1845.7	1858.3	1806.0	1705.0	1668.1	1729.4	1815.0	1866.4	1862.8	1853.8
72.5°	1737.5	1751.0	1769.9	1734.8	1650.0	1619.4	1679.8	1748.3	1783.5	1769.9	1757.3
75°	1591.4	1604.9	1641.0	1621.2	1556.3	1539.1	1584.2	1635.6	1645.5	1625.7	1608.5
77.5°	1413.8	1430.9	1464.3	1479.6	1436.3	1419.2	1457.1	1484.1	1473.3	1430.0	1417.4
80°	1206.4	1233.5	1268.6	1293.0	1282.2	1276.7	1295.7	1293.0	1253.3	1219.0	1197.4
82.5°	1017.1	1022.5	1076.6	1107.2	1110.8	1112.6	1118.1	1085.6	1039.6	993.6	973.8
85°	831.3	833.1	878.2	922.4	939.5	944.9	935.0	891.7	843.9	792.6	779.0
87.5°	666.3	669.0	708.7	753.8	783.5	787.1	768.2	725.8	666.3	620.3	608.6
90°	526.6	535.6	575.3	612.2	643.8	649.2	622.1	577.1	522.1	477.9	470.7
92.5°	421.1	425.6	461.6	495.9	525.7	526.6	507.6	461.6	413.0	373.3	364.3
95°	338.1	341.7	370.6	402.1	426.5	431.9	410.3	369.7	324.6	290.3	288.5
97.5°	269.6	274.1	296.6	330.0	348.0	351.6	337.2	299.3	257.9	227.2	227.2
100°	216.4	219.1	238.9	266.9	285.8	289.4	275.0	241.6	205.6	178.5	176.7
102.5°	175.8	177.6	193.9	219.1	236.2	239.8	227.2	200.2	165.0	143.4	142.5
105°	144.3	145.2	157.8	181.2	197.5	200.2	188.4	165.0	133.4	115.4	114.5
107.5°	118.1	119.0	128.9	150.6	165.9	168.6	158.7	135.2	108.2	95.6	93.8
110°	99.2	100.1	107.3	124.4	139.8	143.4	133.4	112.7	89.3	78.4	78.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	83.9	84.8	90.2	104.6	118.1	122.6	112.7	93.8	74.8	66.7	65.8
115°	71.2	72.1	75.7	88.4	99.2	102.8	95.6	78.4	63.1	56.8	56.8
117.5°	62.2	63.1	64.9	74.8	84.8	87.5	80.2	65.8	53.2	49.6	49.6
120°	55.0	55.0	55.9	63.1	71.2	73.9	67.6	55.9	46.0	43.3	43.3
122.5°	47.8	47.8	48.7	54.1	60.4	62.2	56.8	46.9	39.7	38.8	37.9
125°	42.4	42.4	42.4	46.0	51.4	52.3	47.8	39.7	35.2	34.3	34.3
127.5°	37.0	37.0	37.0	38.8	42.4	43.3	39.7	33.4	30.7	29.8	29.8
130°	32.5	32.5	32.5	33.4	35.2	36.1	32.5	28.9	27.0	27.0	27.0
132.5°	28.9	28.9	28.0	28.0	28.9	28.9	27.0	24.3	23.4	23.4	23.4
135°	25.2	25.2	24.3	23.4	23.4	22.5	20.7	19.8	20.7	20.7	20.7
137.5°	21.6	21.6	20.7	19.8	18.9	18.0	17.1	16.2	17.1	18.0	18.0
140°	18.0	18.0	17.1	15.3	14.4	13.5	12.6	13.5	14.4	15.3	15.3
142.5°	14.4	14.4	14.4	12.6	10.8	9.9	9.9	10.8	11.7	12.6	12.6
145°	11.7	11.7	10.8	9.9	8.1	7.2	7.2	8.1	9.9	9.9	9.9
147.5°	9.0	9.0	8.1	7.2	5.4	4.5	5.4	6.3	7.2	8.1	8.1
150°	6.3	6.3	6.3	5.4	3.6	3.6	3.6	4.5	5.4	5.4	5.4
152.5°	3.6	3.6	3.6	3.6	2.7	1.8	2.7	3.6	3.6	3.6	3.6
155°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
157.5°	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
160°	0.0	0.0	0.9	0.9	1.8	1.8	1.8	1.8	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)