

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: P413722

Luminaire Tested: **LXF.LXT-PA1-100-727-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413722
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-PA1-100-727-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 8189 lumens
Efficiency: N/A
Efficacy: 85.3 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

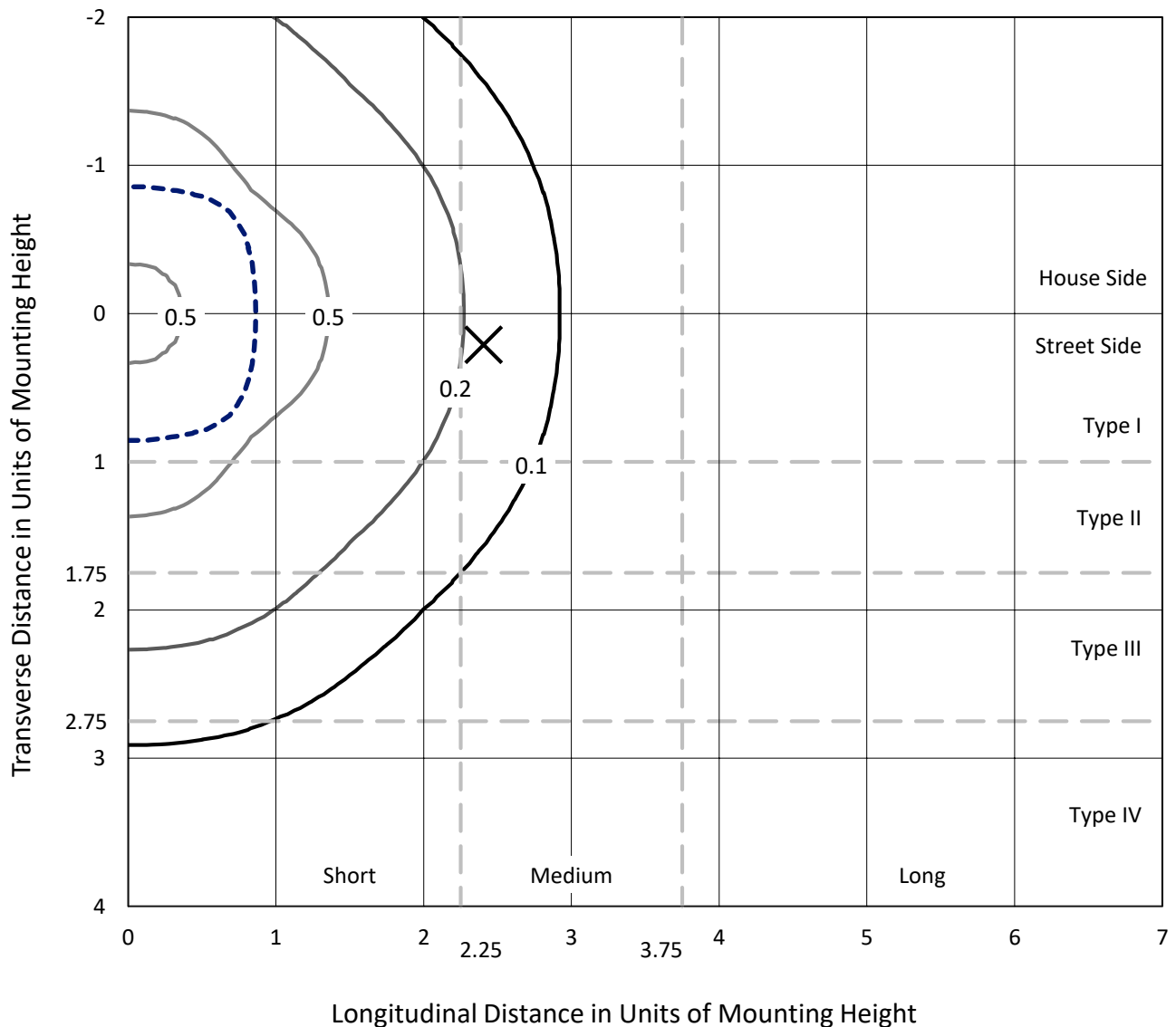
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

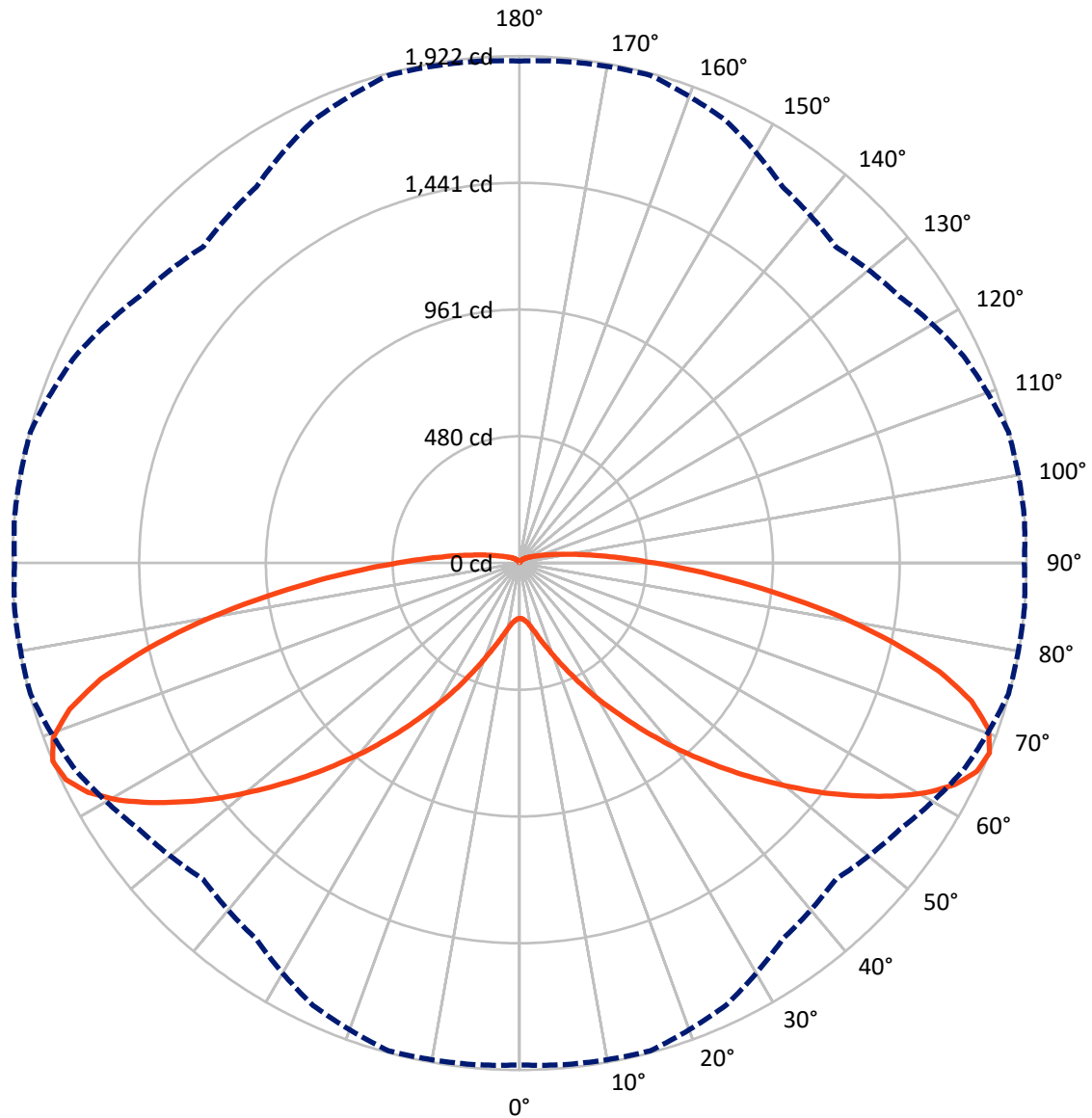


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Medium - Non-Cutoff

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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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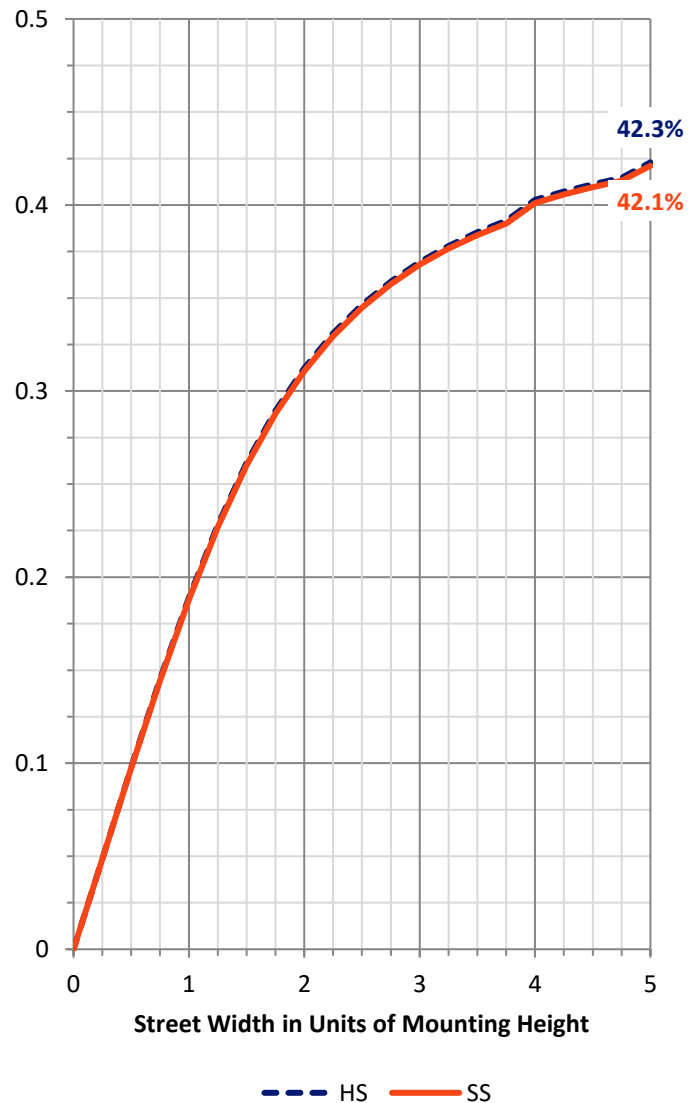
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3713.3	381.2	4094.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	3713.3	381.2	4094.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	7426.7	762.4	8189.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.3
10°-20°	89.0	1.1
20°-30°	225.1	2.7
30°-40°	463.3	5.7
40°-50°	832.8	10.2
50°-60°	1331.3	16.3
60°-70°	1781.3	21.8
70°-80°	1687.9	20.6
80°-90°	994.2	12.1
90°-100°	429.5	5.2
100°-110°	182.9	2.2
110°-120°	84.2	1.0
120°-130°	40.3	0.5
130°-140°	18.0	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°	7426.7	90.7
0°-180°	8189.0	100.0



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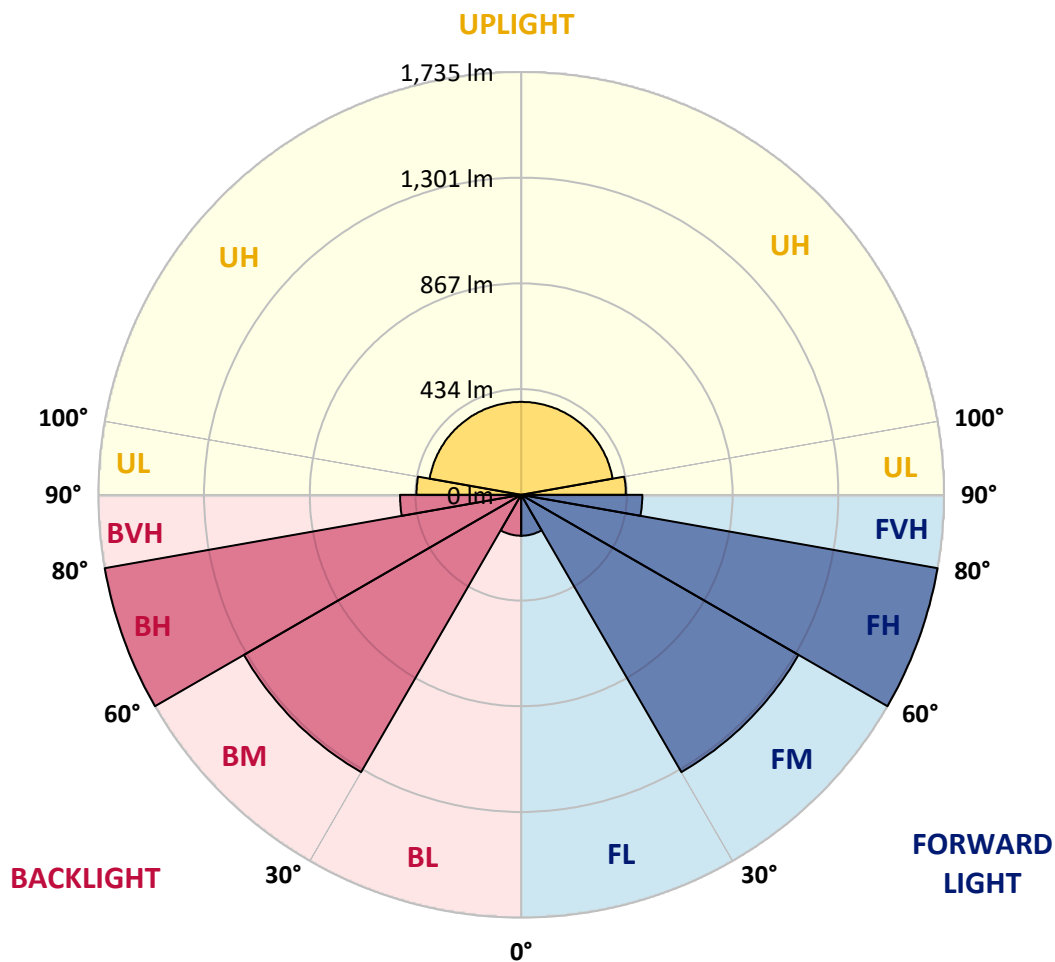
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.0	2.1			
FM	(30°-60°)	1313.7	16.0			
FH	(60°-80°)	1734.6	21.2			G1/1800
FVH	(80°-90°)	497.1	6.1			G3/500
BL	(0°-30°)	168.0	2.1	B1/500		
BM	(30°-60°)	1313.7	16.0	B2/2500		
BH	(60°-80°)	1734.6	21.2	B3/2500		G1/1800
BVH	(80°-90°)	497.1	6.1			G3/500
UL	(90°-100°)	429.5	5.2		U3/500	
UH	(100°-180°)	381.2	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°	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0
2.5°	211.8	210.9	211.8	211.8	212.7	212.7	212.7	212.7	211.8	211.8	211.8
5°	219.1	219.1	219.1	219.1	220.0	220.0	220.0	219.1	219.1	219.1	219.1
7.5°	232.8	231.9	232.8	231.9	231.9	231.0	231.9	231.0	230.1	230.1	230.1
10°	250.2	250.2	250.2	249.3	249.3	249.3	247.4	247.4	247.4	248.3	247.4
12.5°	278.5	276.6	276.6	273.0	271.2	270.3	269.3	269.3	272.1	272.1	270.3
15°	311.3	310.4	310.4	305.9	302.2	296.7	297.6	301.3	301.3	303.1	302.2
17.5°	350.6	349.7	346.9	342.4	337.8	334.2	332.3	334.2	336.0	336.9	337.8
20°	393.5	392.6	388.9	384.4	379.8	378.0	371.6	374.3	376.2	378.0	377.1
22.5°	439.2	439.2	435.5	429.1	424.6	420.9	418.2	415.4	421.8	425.5	426.4
25°	494.9	493.0	486.6	479.3	473.9	471.1	467.5	467.5	472.0	479.3	481.2
27.5°	553.3	551.5	542.3	534.1	526.8	520.4	518.6	521.3	529.6	540.5	540.5
30°	618.1	614.5	606.2	593.5	581.6	575.2	577.0	581.6	593.5	606.2	605.3
32.5°	689.3	682.9	673.8	659.2	641.9	632.7	635.5	648.2	660.1	673.8	675.6
35°	765.1	764.2	749.6	730.4	708.5	693.9	699.4	716.7	735.0	754.2	756.9
37.5°	842.7	845.5	828.1	807.1	775.2	757.8	769.7	794.3	817.2	838.2	840.0
40°	937.7	934.9	917.6	886.5	848.2	829.0	839.1	873.8	903.0	929.5	931.3
42.5°	1035.4	1028.1	1013.5	976.0	924.9	907.5	922.2	961.4	1000.7	1022.6	1023.5
45°	1127.6	1130.3	1113.9	1069.2	1012.5	986.1	1007.1	1053.6	1099.3	1123.0	1125.8
47.5°	1243.5	1236.2	1221.6	1164.1	1100.2	1073.7	1097.5	1154.1	1204.3	1226.2	1225.3
50°	1356.8	1352.2	1331.2	1270.9	1198.8	1166.8	1190.6	1260.0	1314.8	1333.9	1338.5
52.5°	1464.5	1462.7	1444.4	1377.8	1300.1	1260.9	1293.8	1365.9	1428.9	1448.1	1449.9
55°	1575.0	1569.5	1555.8	1486.4	1397.8	1354.0	1395.1	1475.4	1540.3	1558.5	1559.4
57.5°	1673.6	1677.2	1666.3	1593.2	1491.0	1449.0	1494.6	1584.1	1649.8	1667.2	1669.9
60°	1772.2	1773.1	1764.9	1693.7	1585.0	1537.5	1590.5	1683.6	1753.9	1769.4	1770.4
62.5°	1849.8	1851.6	1845.2	1767.6	1659.0	1613.3	1671.8	1768.5	1840.7	1851.6	1850.7
65°	1897.3	1902.7	1899.1	1828.8	1712.8	1670.8	1732.0	1833.4	1899.1	1905.5	1902.7
67.5°	1902.7	1909.1	1914.6	1850.7	1740.2	1695.5	1760.3	1857.1	1919.2	1921.9	1913.7
70°	1862.6	1869.0	1881.7	1828.8	1726.5	1689.1	1751.2	1837.9	1890.0	1886.3	1877.2
72.5°	1759.4	1773.1	1792.3	1756.7	1670.8	1639.8	1701.0	1770.4	1806.0	1792.3	1779.5
75°	1611.5	1625.2	1661.7	1641.6	1575.9	1558.5	1604.2	1656.2	1666.3	1646.2	1628.8
77.5°	1431.6	1449.0	1482.8	1498.3	1454.4	1437.1	1475.4	1502.8	1491.9	1448.1	1435.3
80°	1221.6	1249.0	1284.6	1309.3	1298.3	1292.8	1312.0	1309.3	1269.1	1234.4	1212.5
82.5°	1029.9	1035.4	1090.2	1121.2	1124.8	1126.7	1132.2	1099.3	1052.7	1006.2	986.1
85°	841.8	843.6	889.3	934.0	951.4	956.9	946.8	903.0	854.6	802.5	788.9
87.5°	674.7	677.5	717.6	763.3	793.4	797.1	777.9	735.0	674.7	628.2	616.3
90°	533.2	542.3	582.5	619.9	651.9	657.4	630.0	584.3	528.6	483.9	476.6
92.5°	426.4	430.9	467.5	502.2	532.3	533.2	514.0	467.5	418.2	378.0	368.9
95°	342.4	346.0	375.3	407.2	431.9	437.3	415.4	374.3	328.7	294.0	292.2
97.5°	273.0	277.6	300.4	334.2	352.4	356.1	341.5	303.1	261.1	230.1	230.1
100°	219.1	221.9	242.0	270.3	289.4	293.1	278.5	244.7	208.2	180.8	179.0
102.5°	178.0	179.9	196.3	221.9	239.2	242.9	230.1	202.7	167.1	145.2	144.3
105°	146.1	147.0	159.8	183.5	200.0	202.7	190.8	167.1	135.1	116.9	116.0
107.5°	119.6	120.5	130.6	152.5	168.0	170.7	160.7	137.0	109.6	96.8	95.0
110°	100.4	101.3	108.7	126.0	141.5	145.2	135.1	114.1	90.4	79.4	79.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	84.9	85.8	91.3	105.9	119.6	124.2	114.1	95.0	75.8	67.6	66.7
115°	72.1	73.0	76.7	89.5	100.4	104.1	96.8	79.4	63.9	57.5	57.5
117.5°	63.0	63.9	65.7	75.8	85.8	88.6	81.3	66.7	53.9	50.2	50.2
120°	55.7	55.7	56.6	63.9	72.1	74.9	68.5	56.6	46.6	43.8	43.8
122.5°	48.4	48.4	49.3	54.8	61.2	63.0	57.5	47.5	40.2	39.3	38.3
125°	42.9	42.9	42.9	46.6	52.0	53.0	48.4	40.2	35.6	34.7	34.7
127.5°	37.4	37.4	37.4	39.3	42.9	43.8	40.2	33.8	31.0	30.1	30.1
130°	32.9	32.9	32.9	33.8	35.6	36.5	32.9	29.2	27.4	27.4	27.4
132.5°	29.2	29.2	28.3	28.3	29.2	29.2	27.4	24.7	23.7	23.7	23.7
135°	25.6	25.6	24.7	23.7	23.7	22.8	21.0	20.1	21.0	21.0	21.0
137.5°	21.9	21.9	21.0	20.1	19.2	18.3	17.3	16.4	17.3	18.3	18.3
140°	18.3	18.3	17.3	15.5	14.6	13.7	12.8	13.7	14.6	15.5	15.5
142.5°	14.6	14.6	14.6	12.8	11.0	10.0	10.0	11.0	11.9	12.8	12.8
145°	11.9	11.9	11.0	10.0	8.2	7.3	7.3	8.2	10.0	10.0	10.0
147.5°	9.1	9.1	8.2	7.3	5.5	4.6	5.5	6.4	7.3	8.2	8.2
150°	6.4	6.4	6.4	5.5	3.7	3.7	3.7	4.6	5.5	5.5	5.5
152.5°	3.7	3.7	3.7	3.7	2.7	1.8	2.7	3.7	3.7	3.7	3.7
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)