

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: P415596

Luminaire Tested: **LXF.LXT-PA1-50-760-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-760-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6451 lumens
Efficiency: N/A
Efficacy: 119.5 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

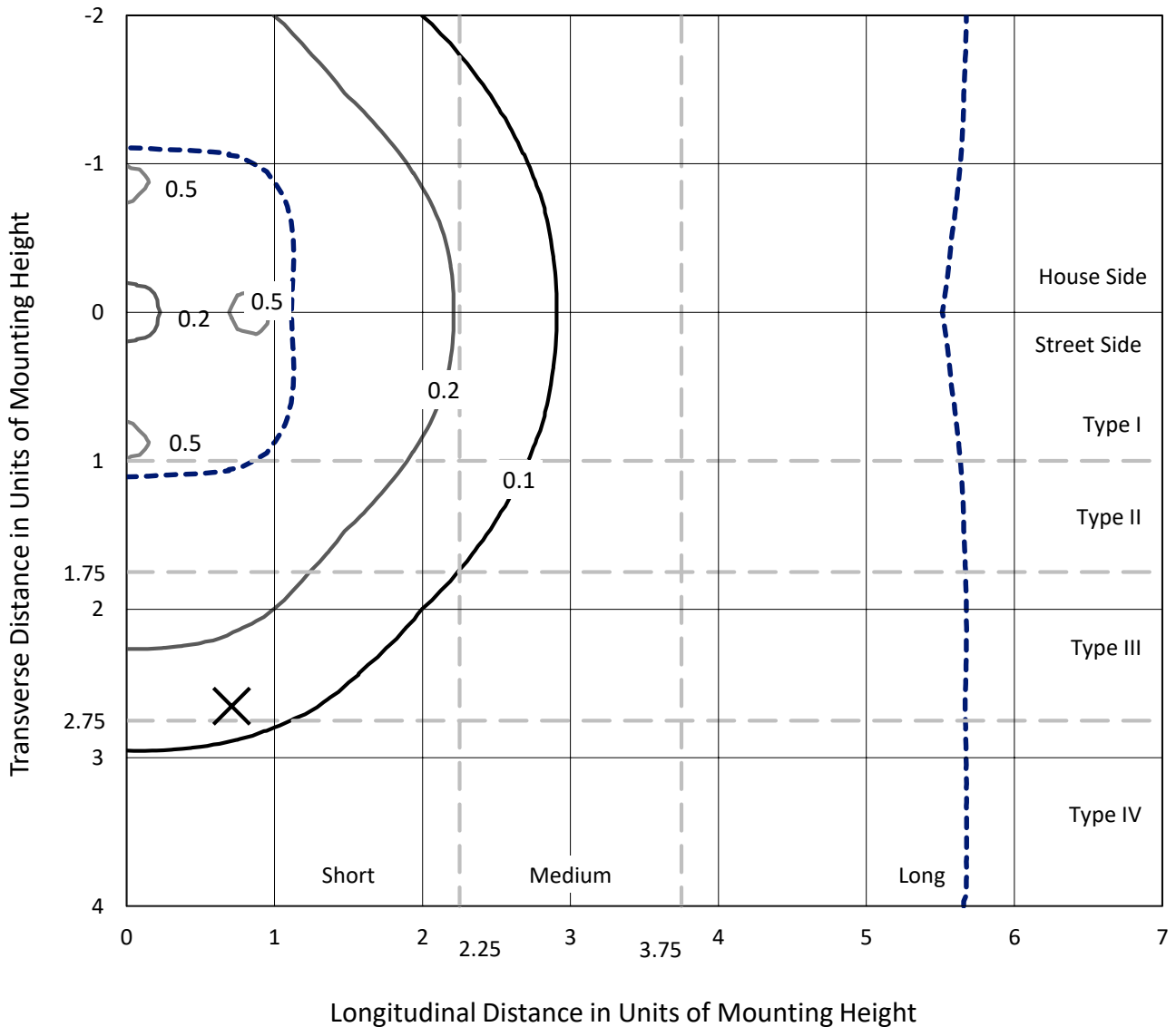
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

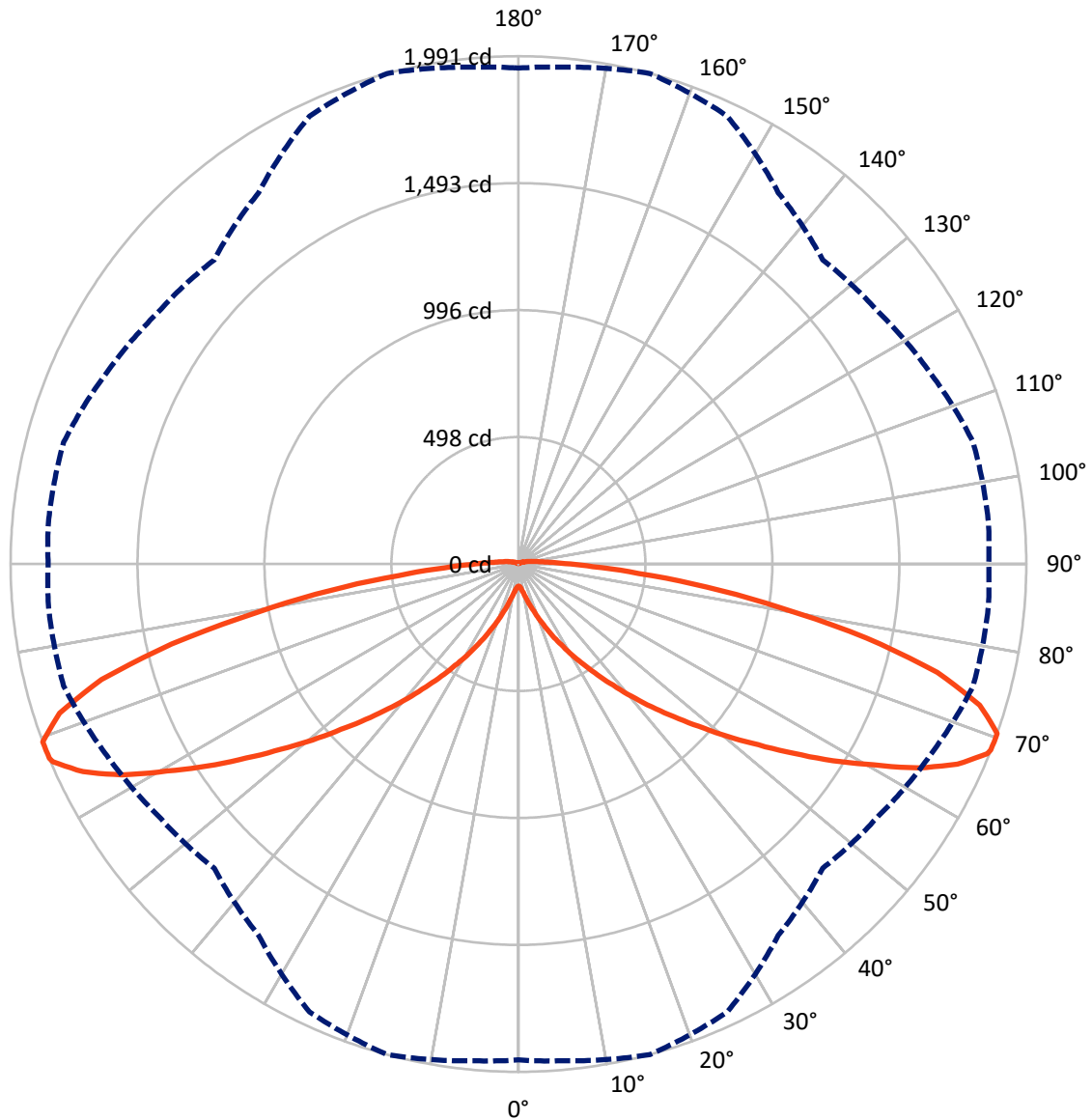
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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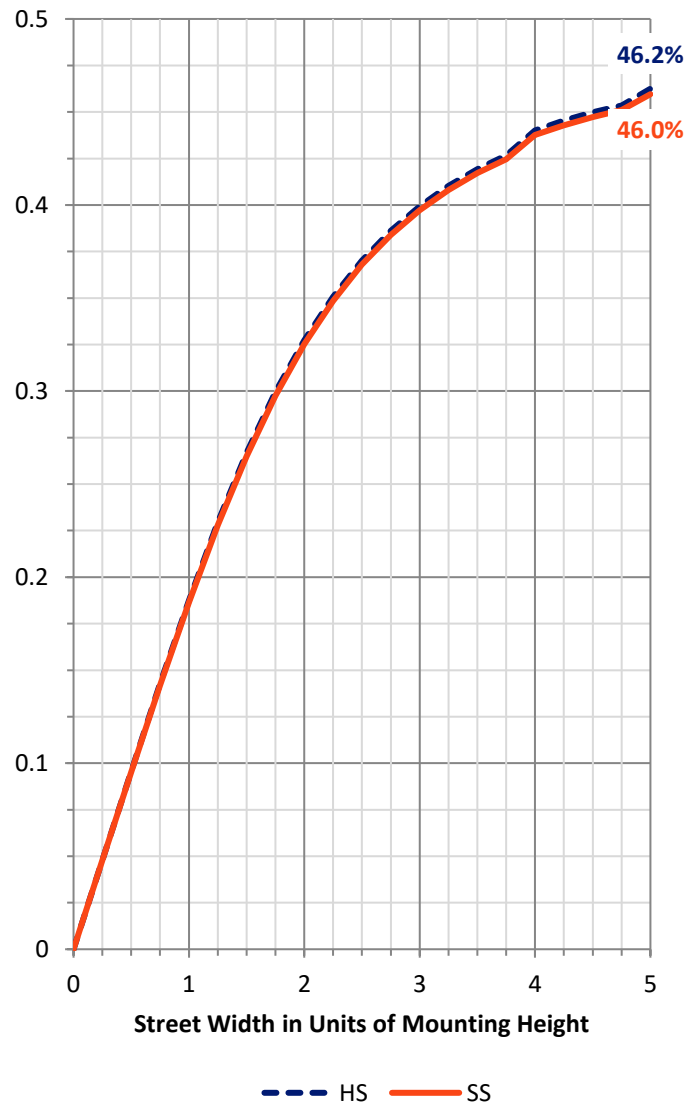
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3111.9	113.6	3225.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3111.9	113.6	3225.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	6223.8	227.2	6451.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.1
10°-20°	46.6	0.7
20°-30°	140.1	2.2
30°-40°	322.1	5.0
40°-50°	619.4	9.6
50°-60°	1095.2	17.0
60°-70°	1697.3	26.3
70°-80°	1647.2	25.5
80°-90°	646.1	10.0
90°-100°	139.0	2.2
100°-110°	47.5	0.7
110°-120°	20.9	0.3
120°-130°	10.5	0.2
130°-140°	5.7	0.1
140°-150°	2.6	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6223.8	96.5
0°-180°	6451.0	100.0



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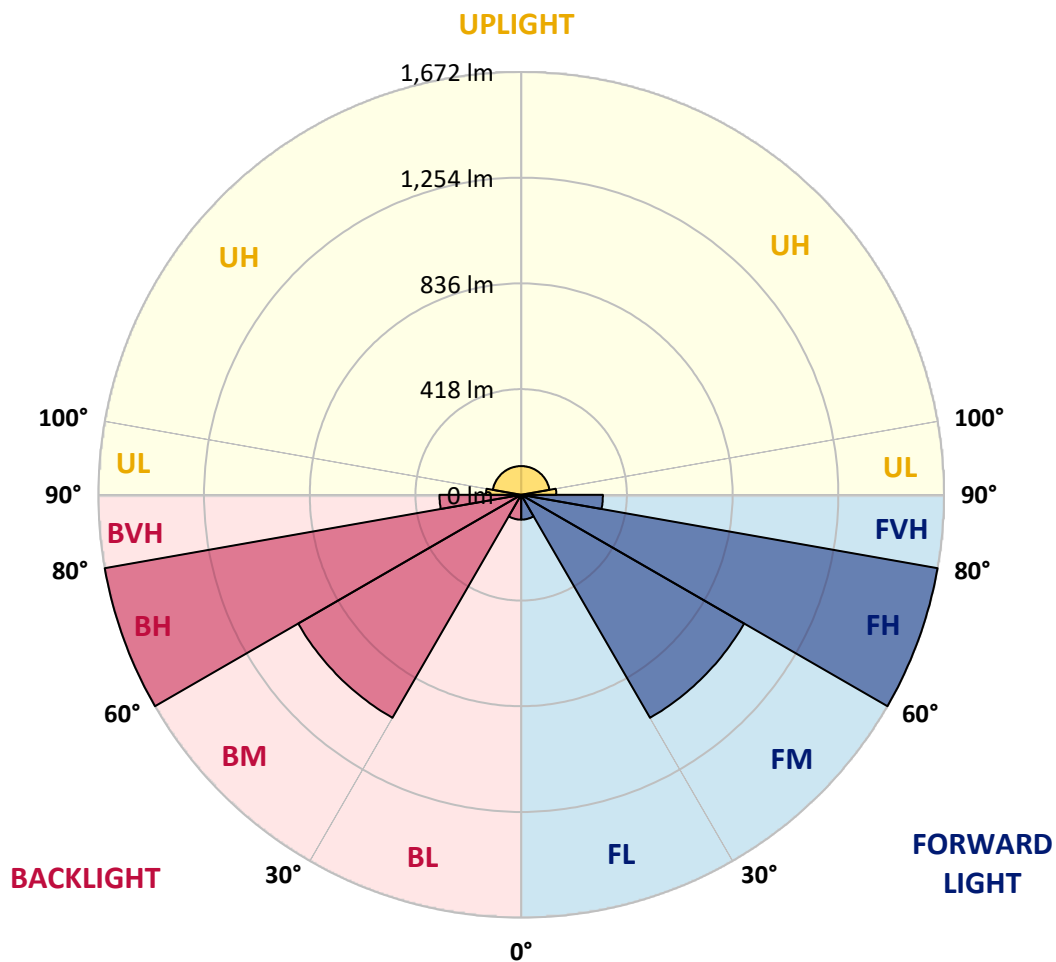
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	98.2	1.5			
FM (30°-60°)	1018.4	15.8			
FH (60°-80°)	1672.3	25.9			G1/1800
FVH (80°-90°)	323.1	5.0			G3/500
BL (0°-30°)	98.2	1.5	B0/110		
BM (30°-60°)	1018.4	15.8	B2/2500		
BH (60°-80°)	1672.3	25.9	B3/2500		G1/1800
BVH (80°-90°)	323.1	5.0			G3/500
UL (90°-100°)	139.0	2.2		U3/500	
UH (100°-180°)	113.6	1.8		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°	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
2.5°	88.3	88.3	88.3	89.0	89.0	89.7	89.0	88.3	88.3	87.6	87.6
5°	94.6	94.6	94.6	94.6	95.3	95.3	93.9	93.2	92.5	92.5	92.5
7.5°	104.5	104.5	105.2	104.5	104.5	103.8	102.4	101.0	101.0	100.3	100.3
10°	120.0	118.6	118.6	117.9	117.2	115.8	114.4	113.7	112.3	112.3	110.9
12.5°	141.2	140.5	138.4	136.3	133.5	131.3	129.9	129.2	129.2	129.2	130.6
15°	165.9	166.6	165.2	160.3	154.6	150.4	149.7	149.7	151.1	152.5	152.5
17.5°	198.4	197.0	193.5	187.8	180.8	176.5	173.7	175.8	179.4	181.5	182.9
20°	233.7	233.0	228.1	218.9	211.1	205.5	203.4	206.2	212.5	218.2	217.5
22.5°	274.7	274.0	266.2	254.2	243.6	237.3	235.1	240.8	254.2	261.3	262.7
25°	321.3	319.2	312.1	295.9	281.0	271.2	272.6	282.5	300.1	314.2	313.5
27.5°	374.3	371.4	358.0	339.7	319.9	310.0	312.8	329.1	353.1	369.3	371.4
30°	432.2	427.9	413.8	387.0	364.4	350.2	357.3	379.9	410.3	433.6	436.4
32.5°	487.9	492.9	468.9	442.0	411.0	392.6	401.8	432.9	470.3	502.8	505.6
35°	558.6	554.3	533.8	498.5	460.4	441.3	453.3	491.5	533.8	572.0	573.4
37.5°	634.1	629.9	603.0	560.0	515.5	492.9	508.4	549.4	603.7	641.9	650.4
40°	715.3	706.8	682.1	629.2	574.8	551.5	566.3	617.9	676.5	718.1	723.8
42.5°	795.1	790.2	764.7	704.0	641.9	612.2	634.1	685.0	752.7	793.7	800.8
45°	882.0	881.3	853.7	787.3	717.4	684.2	706.8	763.3	828.3	875.6	879.8
47.5°	973.8	974.5	950.5	884.1	799.3	761.9	783.8	847.4	923.6	966.0	970.2
50°	1082.5	1078.3	1062.0	984.4	895.4	853.0	881.3	947.6	1018.3	1063.4	1067.7
52.5°	1196.9	1196.9	1177.8	1106.5	1002.7	958.9	982.9	1050.7	1129.8	1170.8	1179.3
55°	1324.0	1318.4	1310.6	1232.9	1127.0	1076.2	1100.2	1177.1	1249.9	1285.2	1285.9
57.5°	1461.7	1456.1	1454.6	1384.7	1264.0	1197.6	1225.1	1297.9	1380.5	1403.8	1410.9
60°	1595.2	1605.1	1599.4	1538.0	1401.7	1326.8	1357.9	1434.2	1514.0	1535.1	1542.2
62.5°	1740.6	1745.6	1761.1	1686.3	1539.4	1459.6	1490.7	1558.4	1639.7	1657.3	1660.1
65°	1866.3	1871.3	1891.7	1821.1	1654.5	1570.5	1605.8	1677.1	1758.3	1773.8	1764.6
67.5°	1941.2	1952.5	1983.5	1916.5	1744.9	1652.4	1688.4	1755.5	1826.1	1840.2	1828.2
68°	1952.5	1961.7	1990.6	1929.9	1756.2	1662.2	1700.4	1766.8	1838.8	1850.1	1840.9
70°	1944.7	1955.3	1991.3	1937.6	1776.6	1687.0	1723.0	1779.5	1845.8	1850.1	1843.7
72.5°	1837.4	1856.4	1891.7	1872.7	1742.0	1660.8	1691.2	1725.8	1771.7	1771.0	1763.2
75°	1631.9	1623.4	1696.1	1705.3	1619.2	1572.6	1587.4	1588.1	1597.3	1584.6	1559.2
77.5°	1304.9	1324.7	1395.3	1456.8	1427.8	1409.5	1412.3	1370.6	1352.3	1297.9	1280.9
80°	951.9	967.4	1043.0	1136.2	1177.8	1199.0	1175.0	1096.6	1032.4	976.6	957.5
82.5°	649.6	655.3	744.3	833.9	917.3	942.7	921.5	814.9	725.9	666.6	640.5
85°	399.7	408.9	472.4	561.4	659.5	717.4	668.0	561.4	471.7	425.1	414.5
87.5°	235.1	249.3	291.6	358.7	452.6	502.1	463.2	370.7	298.7	264.8	252.1
90°	146.9	155.4	182.2	230.9	303.6	339.7	313.5	240.8	192.8	163.8	154.6
92.5°	102.4	105.2	123.6	154.6	206.9	231.6	209.7	165.2	132.0	110.2	106.6
95°	76.3	78.4	89.7	109.5	142.6	161.7	146.9	116.5	93.9	79.1	77.0
97.5°	60.0	61.4	70.6	83.3	104.5	117.9	108.7	89.0	72.7	60.7	58.6
100°	46.6	48.0	56.5	66.4	81.9	89.0	83.3	69.9	57.2	46.6	45.2
102.5°	36.7	37.4	45.2	54.4	65.7	70.6	66.4	56.5	45.2	36.0	35.3
105°	29.0	29.7	36.7	45.2	54.4	57.9	55.1	46.6	36.0	27.5	26.8
107.5°	22.6	23.3	29.0	37.4	45.2	48.0	45.2	38.1	28.2	21.9	21.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	18.4	18.4	24.0	31.1	38.1	40.2	38.1	31.1	22.6	17.7	16.9
112.5°	15.5	15.5	19.8	26.1	31.8	34.6	31.8	25.4	18.4	14.1	14.1
115°	12.7	13.4	16.2	21.9	26.8	29.0	26.8	21.2	15.5	12.0	12.0
117.5°	11.3	12.0	14.1	18.4	23.3	24.7	22.6	17.7	12.7	10.6	10.6
120°	10.6	10.6	12.0	15.5	19.8	21.2	19.1	15.5	11.3	9.9	9.9
122.5°	9.9	9.9	10.6	13.4	16.9	18.4	16.2	12.7	9.9	9.2	8.5
125°	9.2	9.2	9.9	12.0	14.8	15.5	14.1	11.3	8.5	7.8	7.8
127.5°	8.5	8.5	9.2	10.6	12.7	13.4	12.7	9.9	7.8	7.8	7.8
130°	7.8	7.8	8.5	9.2	11.3	12.0	10.6	8.5	7.1	7.1	7.1
132.5°	7.1	7.1	7.1	8.5	9.9	9.9	9.2	7.8	7.1	6.4	6.4
135°	7.1	7.1	7.1	7.1	8.5	9.2	7.8	7.1	6.4	6.4	6.4
137.5°	6.4	6.4	6.4	6.4	7.1	7.8	7.1	6.4	5.6	5.6	5.6
140°	5.6	5.6	5.6	5.6	6.4	6.4	6.4	4.9	4.9	4.9	4.9
142.5°	4.9	4.9	4.9	4.9	4.9	5.6	4.9	4.2	4.2	4.2	4.2
145°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
152.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
155°	1.4	1.4	1.4	1.4	2.1	1.4	2.1	1.4	1.4	1.4	1.4
157.5°	0.7	0.7	1.4	1.4	1.4	2.1	1.4	1.4	0.7	0.7	0.7
160°	0.0	0.7	0.7	0.7	1.4	1.4	1.4	0.7	0.7	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)