

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: P255061

Luminaire Tested: **LXF.LXT-AF24-60-D-U-5WQ-TL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-33)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-5WQ-TL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 6445.2 lumens
Efficiency: N/A
Efficacy: 100.7 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

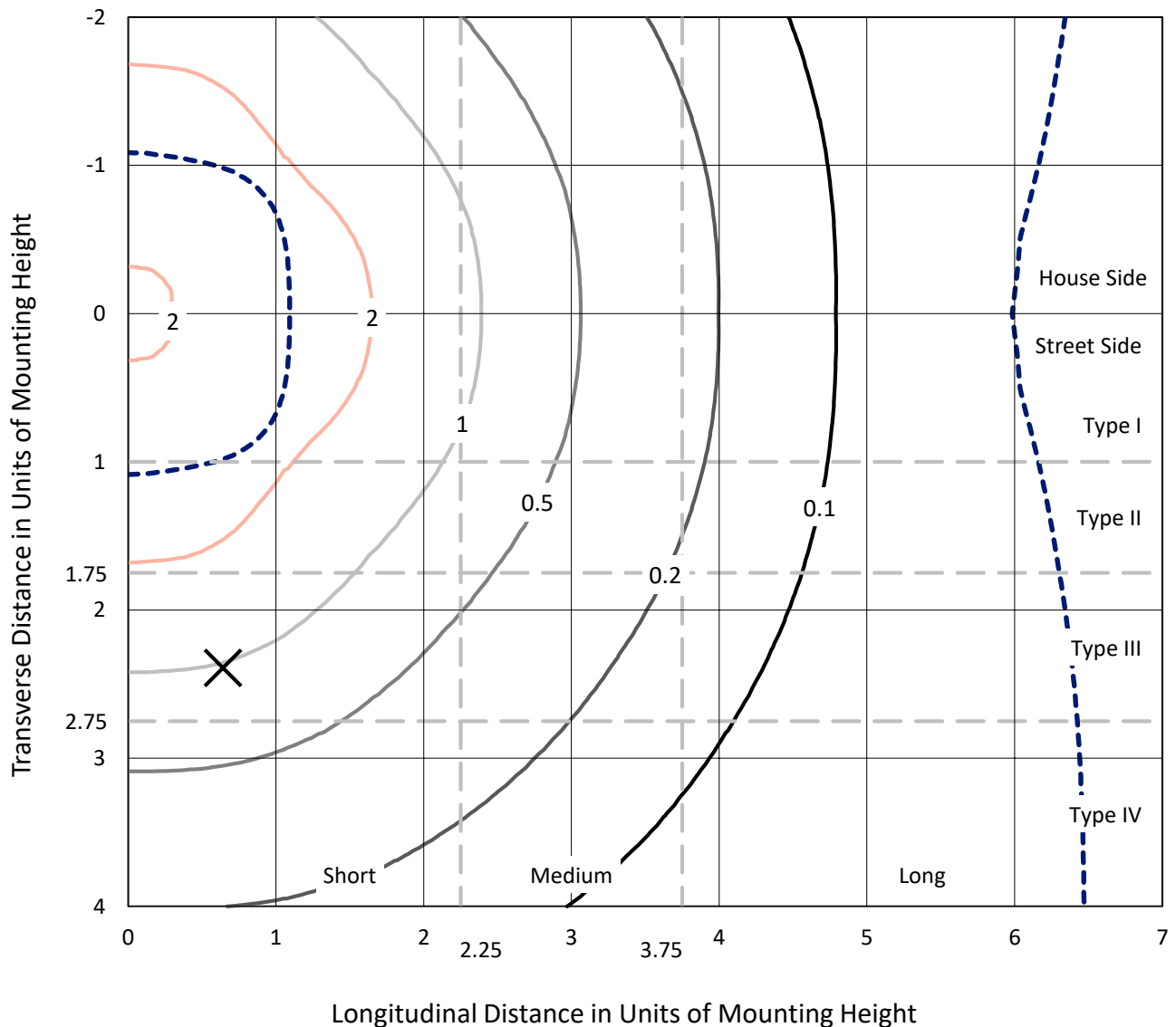
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

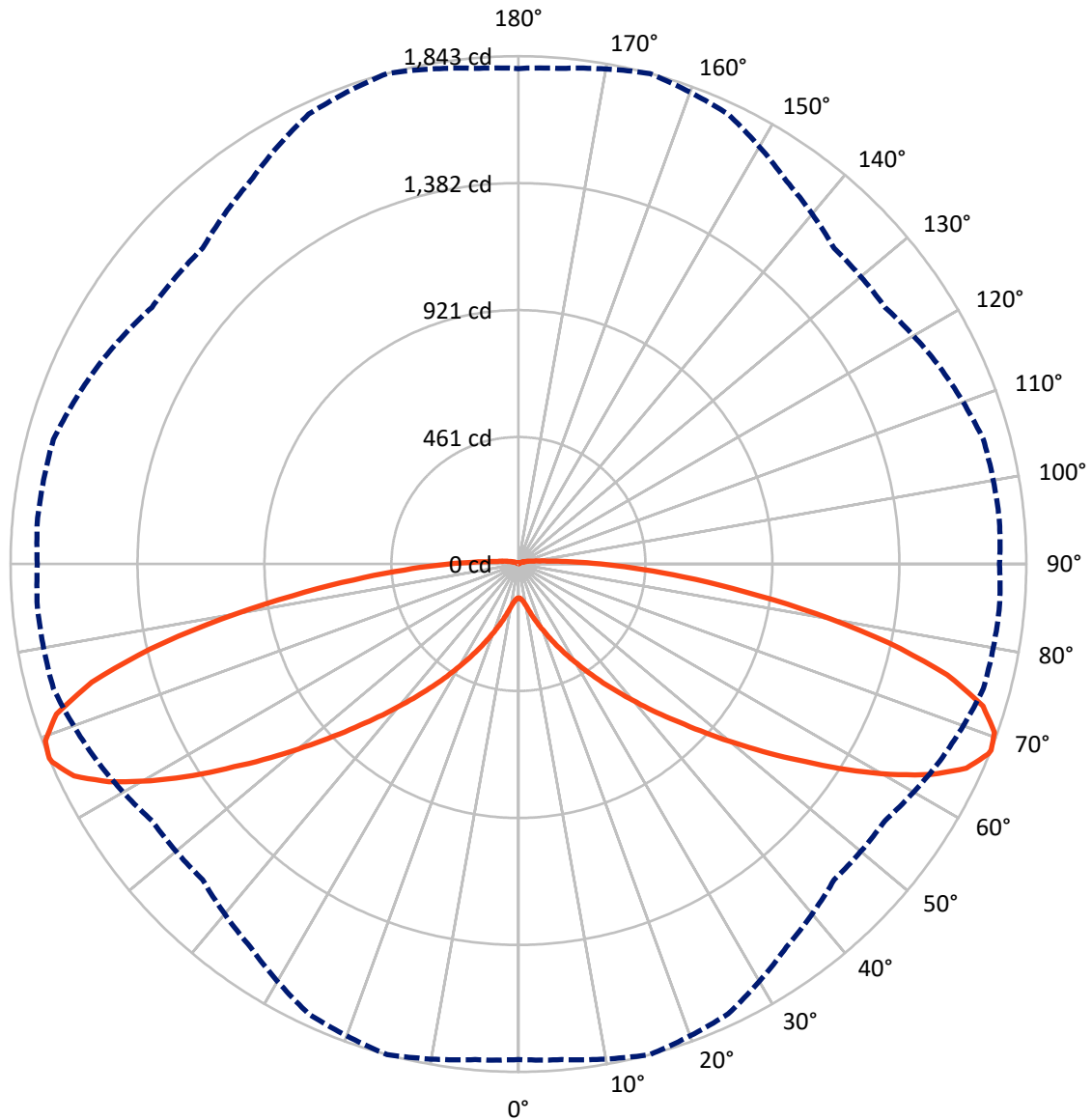
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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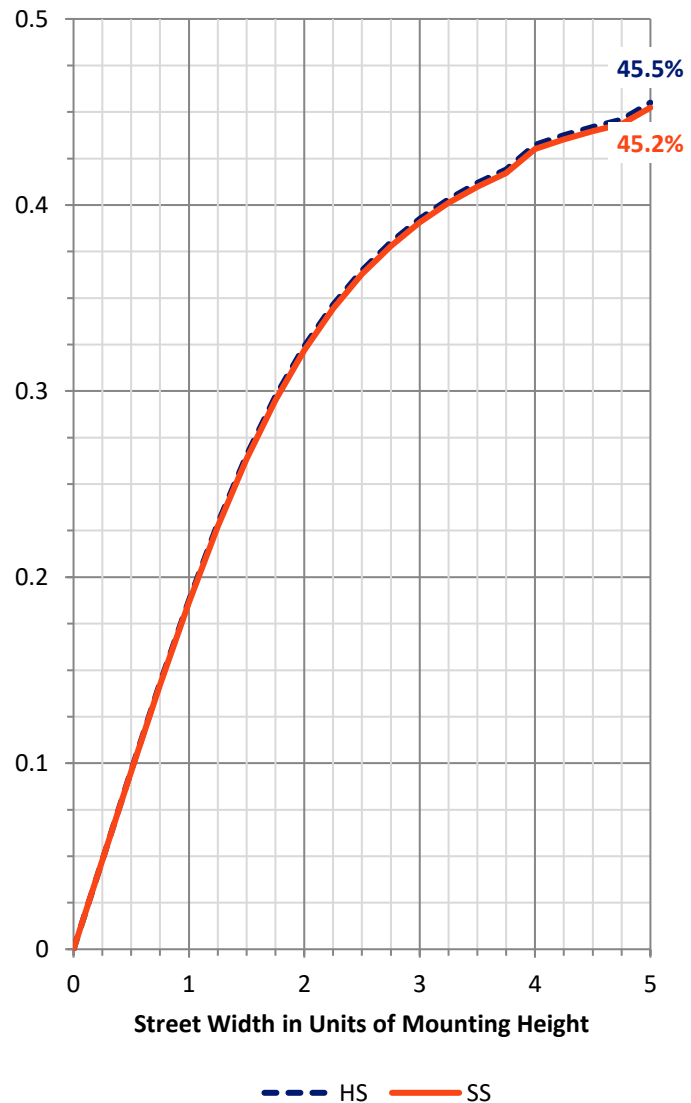
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3093.6	129.0	3222.6
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3093.6	129.0	3222.6
	% Fixture	48.0	2.0	50.0
Total	Lumens	6187.3	257.9	6445.2
	% Fixture	96.0	4.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.2
10°-20°	58.9	0.9
20°-30°	155.3	2.4
30°-40°	326.0	5.1
40°-50°	612.0	9.5
50°-60°	1081.4	16.8
60°-70°	1631.0	25.3
70°-80°	1580.8	24.5
80°-90°	728.6	11.3
90°-100°	173.3	2.7
100°-110°	48.5	0.8
110°-120°	20.4	0.3
120°-130°	9.1	0.1
130°-140°	4.4	0.1
140°-150°	1.8	0.0
150°-160°	0.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6187.3	96.0
0°-180°	6445.2	100.0



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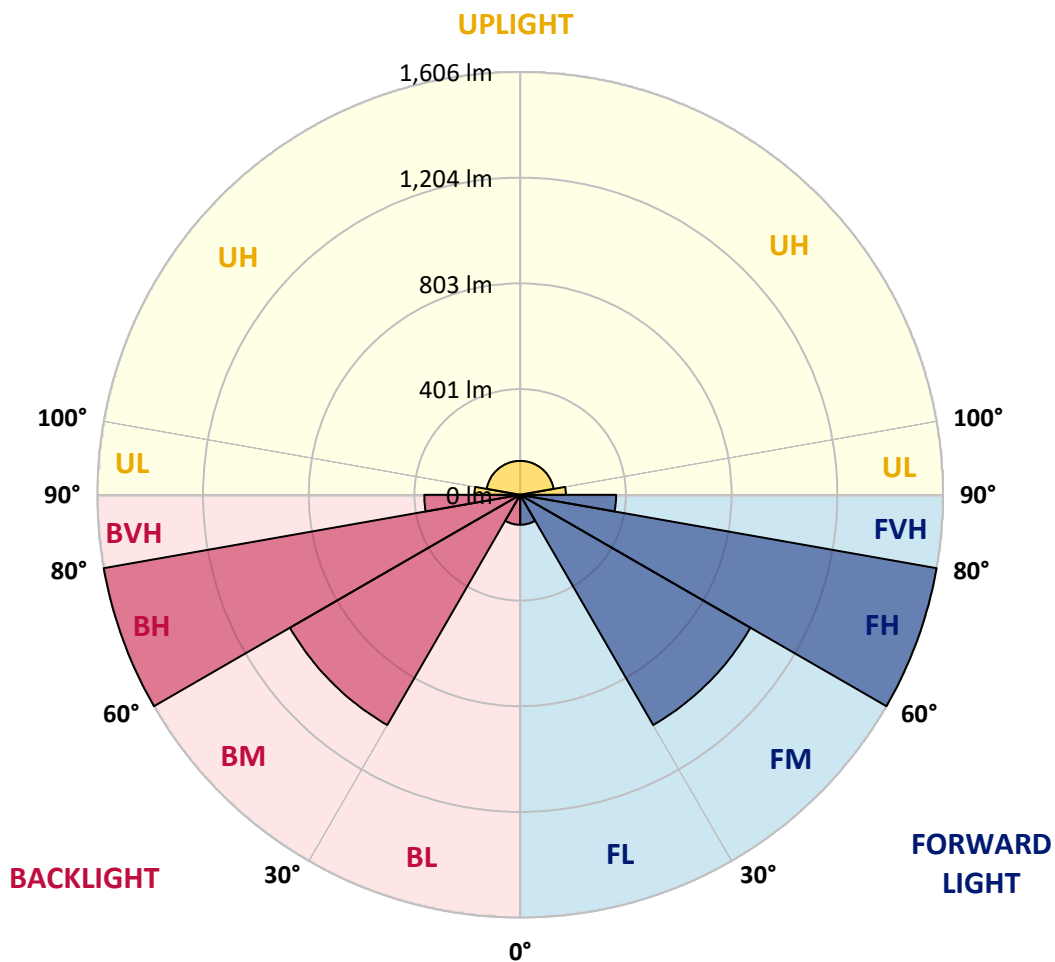
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.7	1.8			
FM (30°-60°)	1009.7	15.7			
FH (60°-80°)	1605.9	24.9			G1/1800
FVH (80°-90°)	364.3	5.7			G3/500
BL (0°-30°)	113.7	1.8	B1/500		
BM (30°-60°)	1009.7	15.7	B2/2500		
BH (60°-80°)	1605.9	24.9	B3/2500		G1/1800
BVH (80°-90°)	364.3	5.7			G3/500
UL (90°-100°)	173.3	2.7		U3/500	
UH (100°-180°)	129.0	2.0		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°	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9
2.5°	125.1	125.1	125.1	125.1	125.1	125.7	125.1	125.1	125.1	125.1	125.1
5°	130.1	130.1	130.1	130.8	130.8	130.8	130.8	130.8	130.8	131.5	130.8
7.5°	139.6	139.6	139.6	139.6	139.6	139.6	140.2	141.0	141.0	141.7	141.7
10°	153.9	153.9	153.3	153.3	153.3	153.9	153.9	155.3	156.1	158.3	157.6
12.5°	176.4	176.4	175.0	173.5	172.7	172.1	173.5	176.4	178.5	182.1	181.5
15°	201.7	201.7	200.3	198.1	197.3	196.5	197.3	200.9	204.6	208.1	207.5
17.5°	229.9	229.1	227.7	224.8	224.8	224.1	224.1	227.7	232.0	237.1	237.1
20°	260.9	259.5	257.3	253.7	253.7	253.1	253.7	256.6	263.1	268.9	268.9
22.5°	296.3	294.9	292.0	288.5	286.3	284.8	285.5	289.9	297.8	305.7	306.5
25°	336.1	333.9	331.0	326.6	320.9	318.1	319.5	326.6	336.8	347.0	344.8
27.5°	378.0	377.3	373.0	366.4	357.9	353.5	357.1	365.8	378.0	388.9	389.6
30°	427.2	425.0	419.2	409.1	399.8	391.0	394.7	406.2	422.9	437.4	438.0
32.5°	478.5	477.8	471.2	456.8	441.0	433.0	436.6	453.2	472.8	487.2	490.0
35°	537.8	536.4	529.2	510.4	490.0	479.2	482.8	503.1	526.9	544.9	546.6
37.5°	602.9	599.2	590.5	568.1	542.2	529.2	532.7	555.9	584.7	602.9	607.2
40°	670.1	669.3	659.3	633.1	601.4	583.3	589.1	615.1	648.4	668.6	671.5
42.5°	748.1	746.7	736.5	706.3	667.1	646.3	652.8	683.9	719.9	740.2	743.8
45°	830.6	832.0	818.3	788.7	743.1	719.3	723.6	759.1	798.6	824.1	826.9
47.5°	926.0	923.8	915.8	879.0	826.9	799.4	804.4	843.6	890.6	914.4	915.8
50°	1026.4	1024.3	1021.3	983.0	923.0	894.9	897.8	940.4	988.1	1012.8	1019.2
52.5°	1138.5	1139.1	1140.6	1098.7	1031.5	993.1	999.7	1048.2	1098.7	1121.1	1126.9
55°	1262.8	1263.5	1266.5	1223.8	1147.9	1105.2	1113.2	1166.7	1220.9	1243.3	1245.4
57.5°	1400.8	1397.2	1408.8	1358.2	1275.0	1225.9	1234.6	1290.3	1348.0	1369.8	1374.2
60°	1538.9	1533.9	1549.8	1499.1	1403.8	1350.2	1354.6	1419.6	1481.8	1495.5	1504.9
62.5°	1656.1	1661.1	1682.0	1630.7	1525.1	1460.1	1467.4	1533.1	1602.5	1616.3	1618.4
65°	1747.8	1755.0	1786.2	1732.7	1627.9	1549.8	1559.9	1627.9	1699.4	1705.9	1704.5
67.5°	1796.2	1802.8	1838.2	1794.0	1687.8	1611.2	1616.9	1682.8	1743.4	1750.0	1743.4
68°	1797.7	1805.0	1842.5	1800.6	1695.8	1619.9	1623.5	1687.8	1746.4	1752.2	1745.6
70°	1776.0	1793.4	1832.4	1801.3	1703.1	1632.2	1632.9	1684.9	1740.6	1736.2	1730.4
72.5°	1692.2	1707.2	1762.3	1749.2	1666.9	1606.1	1597.5	1633.7	1666.1	1653.8	1650.3
75°	1521.6	1536.0	1606.8	1621.3	1575.1	1530.9	1510.0	1521.6	1520.9	1498.5	1489.8
77.5°	1274.4	1294.6	1372.7	1426.2	1411.0	1392.9	1357.4	1340.2	1307.7	1262.1	1247.6
80°	990.3	1010.5	1095.1	1169.5	1199.8	1202.1	1169.5	1111.7	1046.7	984.5	972.2
82.5°	734.4	755.3	826.2	918.8	958.5	981.5	945.4	871.1	798.0	729.3	717.1
85°	513.2	528.4	600.0	675.1	732.9	758.3	718.5	654.9	581.1	521.9	510.4
87.5°	349.8	358.5	414.8	490.0	544.3	568.9	535.0	472.8	404.8	350.6	338.2
90°	221.9	227.7	269.7	332.4	387.5	409.1	382.4	328.3	266.0	221.9	213.9
92.5°	135.9	138.8	169.9	220.4	266.7	291.2	267.4	219.1	168.4	136.6	132.3
95°	88.9	91.1	109.2	141.7	180.0	198.1	182.1	146.0	112.0	91.1	88.2
97.5°	65.8	67.2	78.1	95.4	118.5	132.3	121.4	99.8	80.2	67.2	65.0
100°	51.4	52.0	59.2	70.2	83.1	91.1	85.3	72.9	60.7	51.4	50.6
102.5°	41.2	41.2	47.7	55.6	63.6	68.0	64.4	57.8	47.7	40.4	39.8
105°	32.6	33.3	38.4	45.6	51.4	54.2	52.0	47.0	38.4	31.8	31.0
107.5°	26.0	26.0	31.0	37.5	43.3	45.6	43.3	39.0	30.4	25.3	24.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	20.2	21.0	24.6	31.0	36.2	38.4	36.2	31.8	24.6	20.2	19.5
112.5°	16.6	16.6	19.5	25.3	30.4	31.8	30.4	25.3	19.5	16.0	16.0
115°	13.7	13.7	16.0	21.0	25.3	26.8	25.3	21.0	16.0	13.0	13.0
117.5°	11.6	12.2	13.7	17.4	21.0	21.7	21.0	17.4	13.0	11.6	10.8
120°	10.2	10.8	11.6	14.4	17.4	18.0	16.6	13.7	10.8	10.2	9.4
122.5°	9.4	9.4	10.2	11.6	14.4	15.2	13.7	11.6	9.4	8.6	8.6
125°	8.6	8.6	8.6	10.2	11.6	12.2	11.6	9.4	7.9	7.9	7.9
127.5°	7.9	7.9	7.9	8.6	10.2	10.2	9.4	7.9	7.2	7.2	7.2
130°	7.2	7.2	7.2	7.2	7.9	8.6	7.9	7.2	6.5	6.5	6.5
132.5°	6.5	6.5	6.5	6.5	6.5	7.2	6.5	5.8	5.8	5.8	5.8
135°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.0	5.0	5.0	5.0
137.5°	5.0	5.0	5.0	5.0	5.0	5.0	4.4	4.4	4.4	5.0	5.0
140°	4.4	4.4	4.4	4.4	3.6	3.6	3.6	3.6	4.4	4.4	4.4
142.5°	4.4	4.4	3.6	3.6	2.8	2.8	2.8	2.8	3.6	3.6	3.6
145°	3.6	3.6	2.8	2.8	2.8	2.1	2.1	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	2.1	2.1	2.1	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.1
152.5°	1.4	1.4	1.4	1.4	1.4	0.8	1.4	1.4	1.4	1.4	1.4
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	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)