

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: P254251

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-18)
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-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6393.8 lumens
Efficiency: N/A
Efficacy: 99.9 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

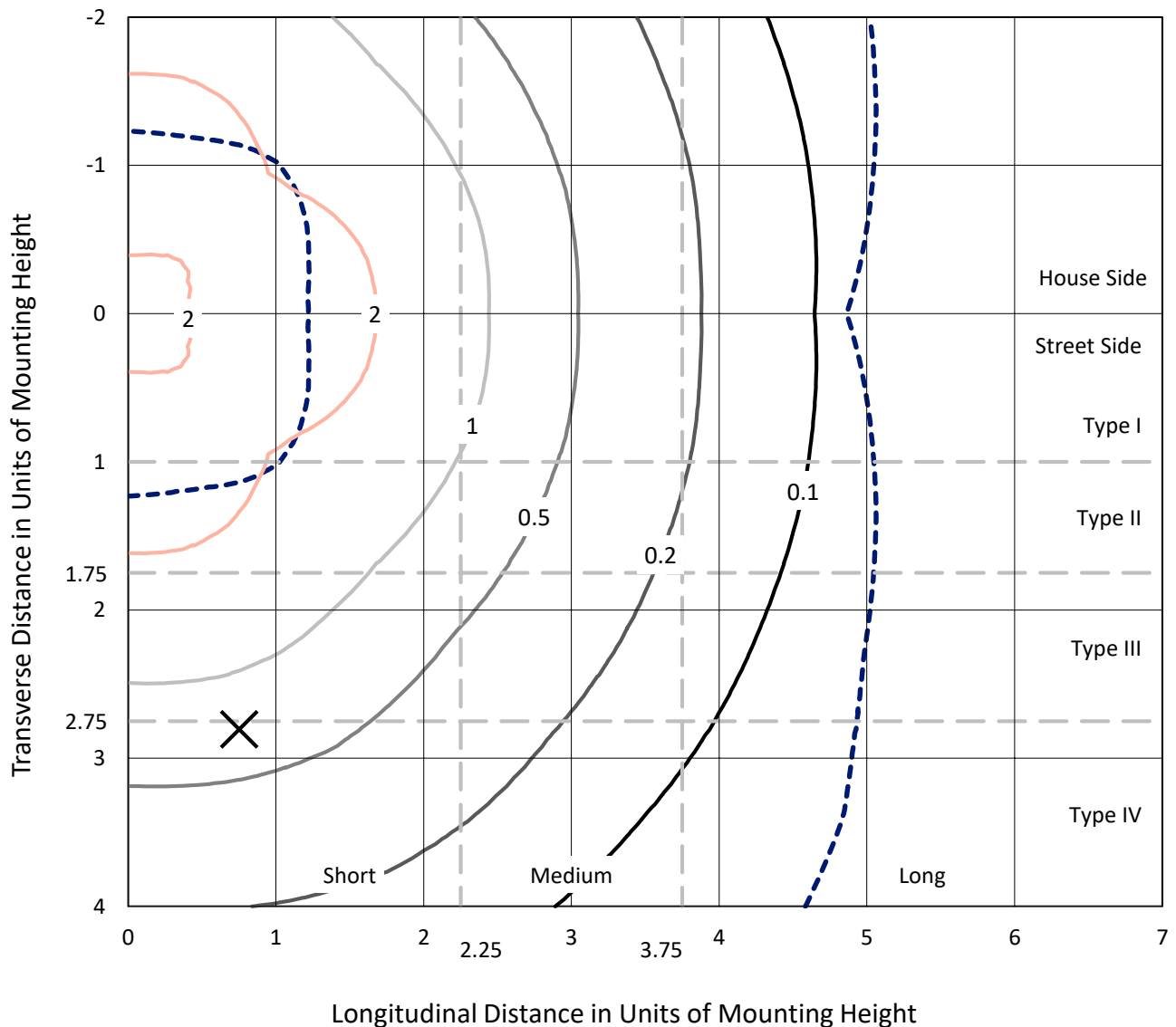
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

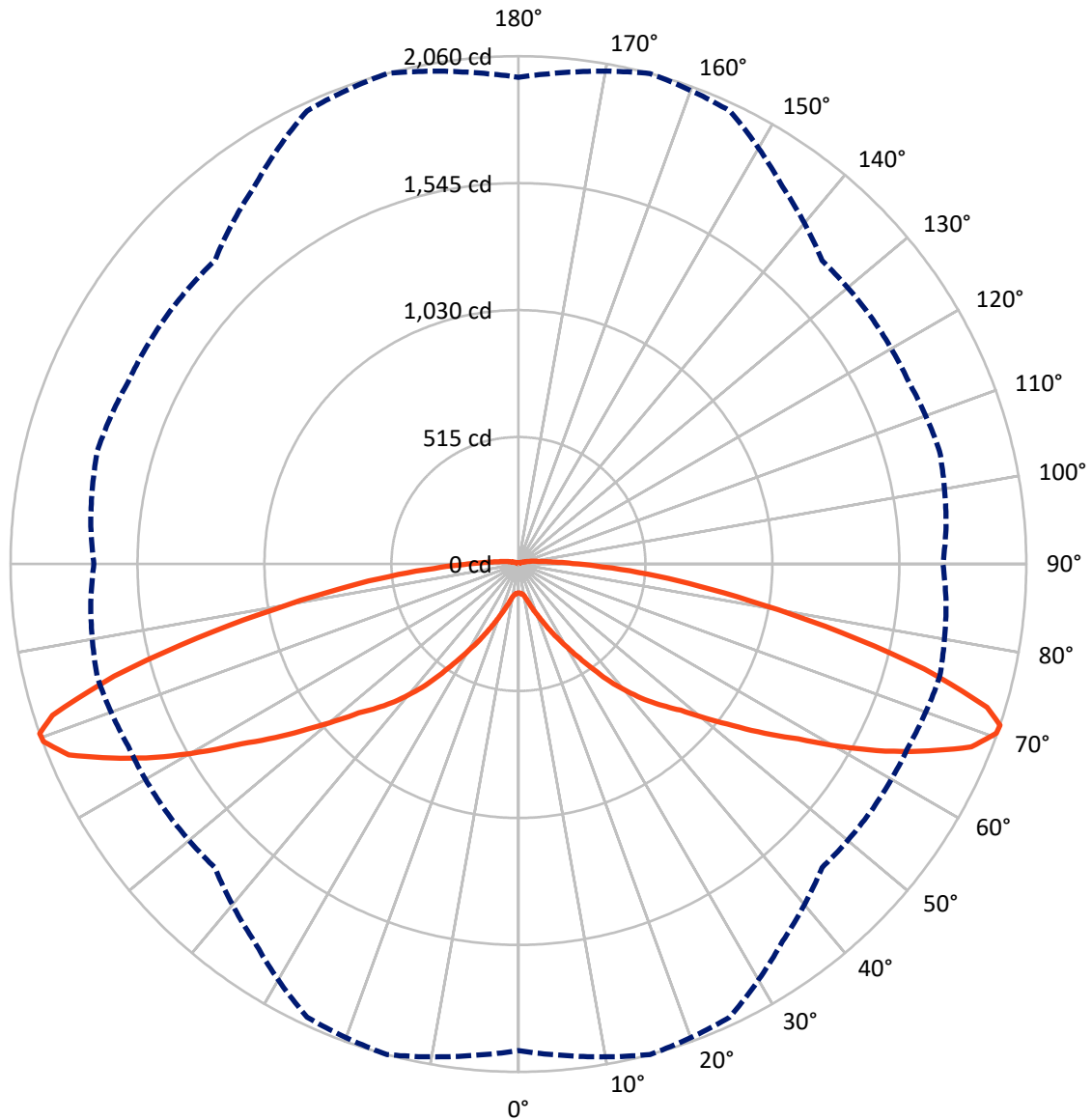


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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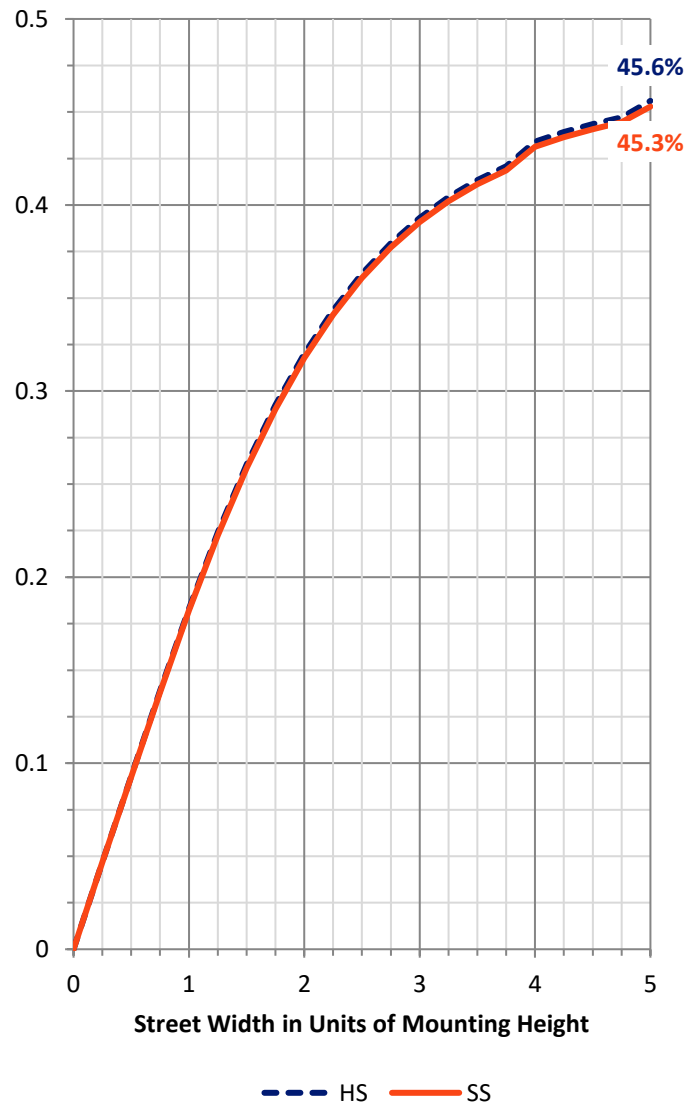
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3063.5	133.4	3196.9
	% Fixture	47.9	2.1	50.0
Street Side	Lumens	3063.5	133.4	3196.9
	% Fixture	47.9	2.1	50.0
Total	Lumens	6127.0	266.8	6393.8
	% Fixture	95.8	4.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.2
10°-20°	47.4	0.7
20°-30°	134.1	2.1
30°-40°	312.6	4.9
40°-50°	583.6	9.1
50°-60°	1041.2	16.3
60°-70°	1707.0	26.7
70°-80°	1596.7	25.0
80°-90°	692.6	10.8
90°-100°	174.9	2.7
100°-110°	51.0	0.8
110°-120°	21.0	0.3
120°-130°	11.1	0.2
130°-140°	6.1	0.1
140°-150°	2.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6127.0	95.8
0°-180°	6393.8	100.0



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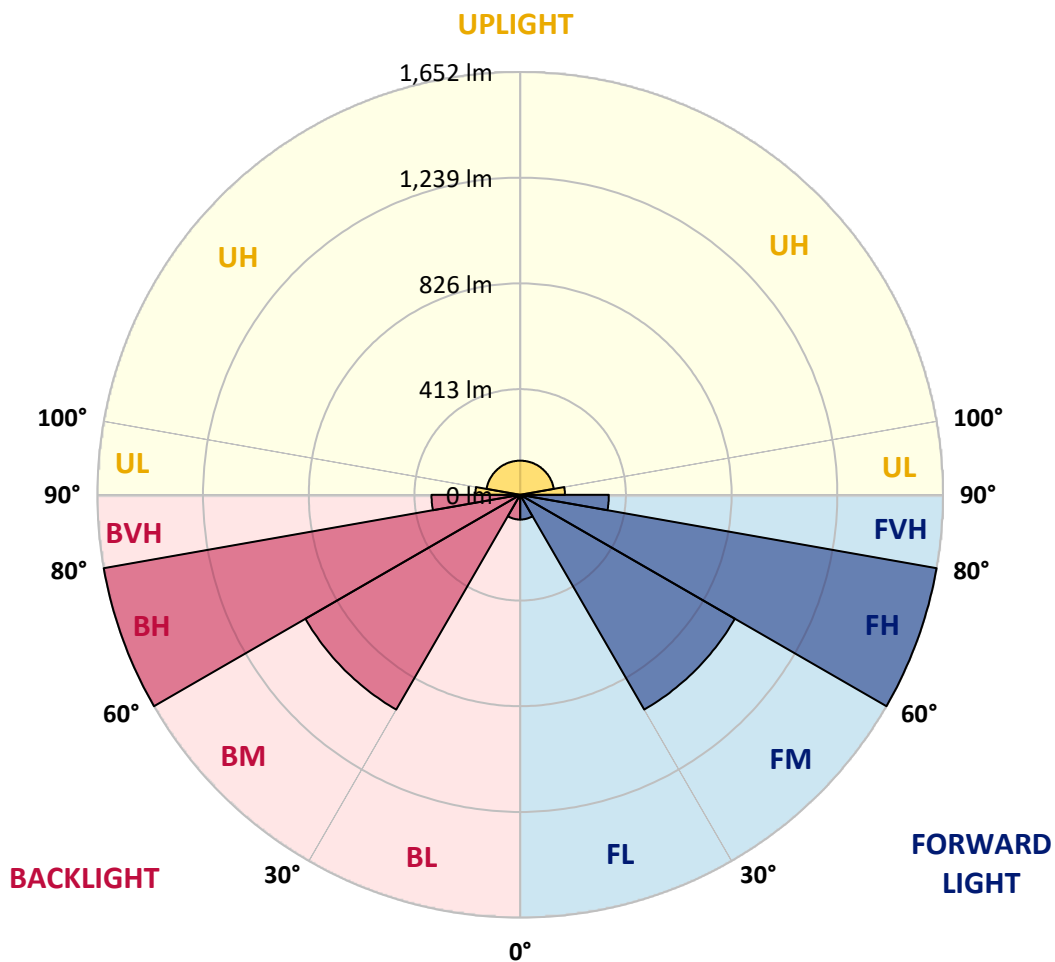
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.6	1.5			
FM (30°-60°)	968.7	15.2			
FH (60°-80°)	1651.9	25.8			G1/1800
FVH (80°-90°)	346.3	5.4			G3/500
BL (0°-30°)	96.6	1.5	B0/110		
BM (30°-60°)	968.7	15.2	B1/1000		
BH (60°-80°)	1651.9	25.8	B3/2500		G1/1800
BVH (80°-90°)	346.3	5.4			G3/500
UL (90°-100°)	174.9	2.7		U3/500	
UH (100°-180°)	133.4	2.1		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°	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8	117.8
2.5°	118.5	118.5	118.5	119.2	119.2	119.2	118.5	118.5	117.8	117.8	117.8
5°	120.7	120.7	120.7	120.7	120.7	120.7	119.9	119.9	119.2	119.2	119.2
7.5°	124.3	124.3	124.3	124.3	124.3	123.6	122.8	122.2	122.2	122.2	122.2
10°	132.2	132.2	131.5	130.8	130.1	128.6	128.6	128.0	128.0	128.0	128.6
12.5°	148.9	148.9	146.7	143.1	138.8	137.3	136.6	138.0	140.2	141.0	142.4
15°	170.6	170.6	167.7	161.9	155.3	149.5	151.0	155.3	159.0	161.1	162.6
17.5°	197.3	197.3	193.0	184.9	175.6	172.0	171.3	177.1	182.8	187.2	190.1
20°	226.9	226.9	221.1	210.4	200.9	198.8	198.0	202.3	211.0	217.5	220.3
22.5°	263.1	263.8	255.1	240.7	231.3	226.9	226.1	231.9	245.8	255.1	258.7
25°	307.9	307.9	298.5	278.3	265.2	258.0	259.5	270.3	289.7	302.7	305.0
27.5°	357.8	356.3	343.9	322.4	303.5	292.7	296.3	312.9	336.7	356.3	359.1
30°	413.3	411.9	394.5	371.5	344.7	331.7	337.5	361.3	393.9	421.3	424.9
32.5°	477.7	476.3	454.5	424.9	389.5	372.1	383.1	417.0	456.7	492.1	497.2
35°	555.0	553.6	524.7	483.5	440.1	419.1	433.6	474.8	521.8	564.5	570.9
37.5°	636.0	636.0	605.7	552.9	495.7	469.7	485.6	532.6	588.3	630.2	637.4
40°	709.6	709.6	679.3	628.0	558.7	523.9	540.7	589.0	638.8	676.5	683.6
42.5°	777.6	779.8	751.6	698.8	624.4	584.6	594.8	637.4	688.7	730.6	737.8
45°	831.8	836.2	818.8	768.9	694.5	647.5	651.0	699.6	760.2	804.3	813.0
47.5°	897.6	898.3	886.0	839.0	768.9	717.7	720.4	777.6	844.1	889.6	894.0
50°	990.8	992.9	982.1	928.6	855.0	797.1	811.6	870.8	953.2	1001.6	1003.1
52.5°	1094.1	1096.3	1088.3	1039.2	954.7	898.9	921.4	990.1	1071.8	1112.1	1110.7
55°	1202.5	1207.7	1211.9	1166.4	1076.8	1019.7	1050.1	1121.5	1197.5	1237.3	1232.9
57.5°	1323.2	1326.9	1338.4	1297.9	1217.7	1162.1	1200.3	1271.9	1349.3	1387.5	1381.0
60°	1488.6	1494.4	1503.9	1448.2	1365.0	1321.1	1363.0	1438.8	1517.6	1540.8	1532.1
62.5°	1639.0	1645.6	1671.5	1629.6	1521.2	1475.0	1530.6	1603.6	1669.4	1680.2	1665.7
65°	1785.8	1793.0	1828.4	1792.2	1684.6	1618.7	1677.3	1737.3	1798.7	1806.7	1792.2
67.5°	1919.4	1939.0	1981.5	1931.7	1810.3	1735.1	1768.4	1816.8	1870.9	1861.6	1843.5
70°	1988.1	2013.3	2056.7	2022.1	1871.7	1758.3	1776.3	1790.8	1816.8	1803.8	1787.9
71°	1974.4	2000.3	2060.3	2028.5	1868.2	1741.6	1746.7	1747.4	1769.1	1741.6	1722.2
72.5°	1876.1	1903.6	1988.1	1992.5	1832.0	1693.9	1671.5	1653.5	1641.9	1592.8	1577.6
75°	1570.4	1606.5	1701.1	1755.4	1665.7	1531.4	1492.4	1431.7	1398.4	1342.0	1338.4
77.5°	1222.1	1245.9	1338.4	1420.8	1396.3	1309.5	1265.4	1206.1	1171.5	1127.3	1101.4
80°	910.5	918.6	1002.4	1095.6	1123.7	1089.1	1056.5	1003.1	961.9	919.2	896.8
82.5°	647.5	662.6	738.6	839.7	906.2	907.7	884.6	824.6	778.4	733.5	716.2
85°	437.9	453.1	526.8	633.8	719.8	756.6	733.5	654.8	585.4	533.3	522.5
87.5°	274.6	289.1	342.5	437.9	551.4	607.8	581.0	483.5	404.7	356.9	347.6
90°	180.0	188.6	220.3	282.6	380.1	458.2	427.9	336.7	269.6	226.9	222.6
92.5°	124.3	127.2	146.7	182.8	252.9	315.8	293.4	226.9	177.1	146.7	142.4
95°	88.9	91.8	104.1	125.7	169.2	207.4	195.1	153.9	120.7	99.8	96.8
97.5°	65.8	68.0	78.7	93.2	119.2	139.6	130.8	109.2	88.2	72.2	70.2
100°	51.4	52.0	61.4	72.2	88.9	99.8	93.2	81.6	68.0	56.4	54.9
102.5°	40.4	41.2	48.4	57.2	68.7	76.6	71.6	62.9	52.8	44.8	44.0
105°	31.8	32.6	37.5	45.6	54.9	60.0	56.4	49.1	40.4	34.6	34.6
107.5°	25.3	26.0	29.6	36.2	44.0	48.4	45.6	38.4	31.8	27.5	27.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	21.0	21.0	23.8	29.0	36.2	39.8	36.8	30.4	25.3	22.4	21.7
112.5°	17.4	17.4	19.5	23.8	29.6	32.6	30.4	24.6	20.2	18.0	18.0
115°	14.4	15.2	16.0	20.2	25.3	27.5	25.3	21.0	16.6	15.2	15.2
117.5°	13.0	13.0	14.4	17.4	21.7	23.8	21.7	18.0	14.4	13.7	13.7
120°	11.6	11.6	12.2	14.4	18.8	20.2	18.8	15.2	13.0	12.2	12.2
122.5°	10.8	10.8	10.8	13.0	16.0	18.0	16.6	13.7	11.6	10.8	10.8
125°	10.2	10.2	10.2	11.6	14.4	15.2	14.4	12.2	10.2	10.2	10.2
127.5°	10.2	10.2	10.2	10.8	12.2	13.7	13.0	10.8	9.4	9.4	9.4
130°	9.4	9.4	9.4	10.2	10.8	11.6	10.8	10.2	9.4	9.4	9.4
132.5°	8.6	8.6	8.6	8.6	9.4	10.2	9.4	8.6	8.6	8.6	8.6
135°	7.9	7.9	7.9	7.2	7.9	8.6	7.9	7.2	7.2	7.9	7.9
137.5°	7.2	7.2	6.5	6.5	6.5	7.2	6.5	6.5	6.5	6.5	7.2
140°	6.5	6.5	5.8	5.8	5.8	5.8	5.0	5.0	5.0	5.8	5.8
142.5°	5.8	5.0	5.0	4.4	4.4	4.4	4.4	3.6	4.4	5.0	5.0
145°	4.4	4.4	4.4	3.6	3.6	3.6	2.8	2.8	3.6	3.6	3.6
147.5°	3.6	3.6	2.8	2.8	2.1	2.1	2.1	2.1	2.8	2.8	2.8
150°	2.8	2.8	2.1	2.1	1.4	1.4	1.4	1.4	2.1	2.1	2.1
152.5°	2.1	2.1	1.4	1.4	1.4	0.8	0.8	0.8	1.4	1.4	1.4
155°	1.4	1.4	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)