

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: P416580

Luminaire Tested: **LXF.LXT-PA1-80-722-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-722-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 1050mA 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: 6745 lumens
Efficiency: N/A
Efficacy: 81.3 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): 83
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

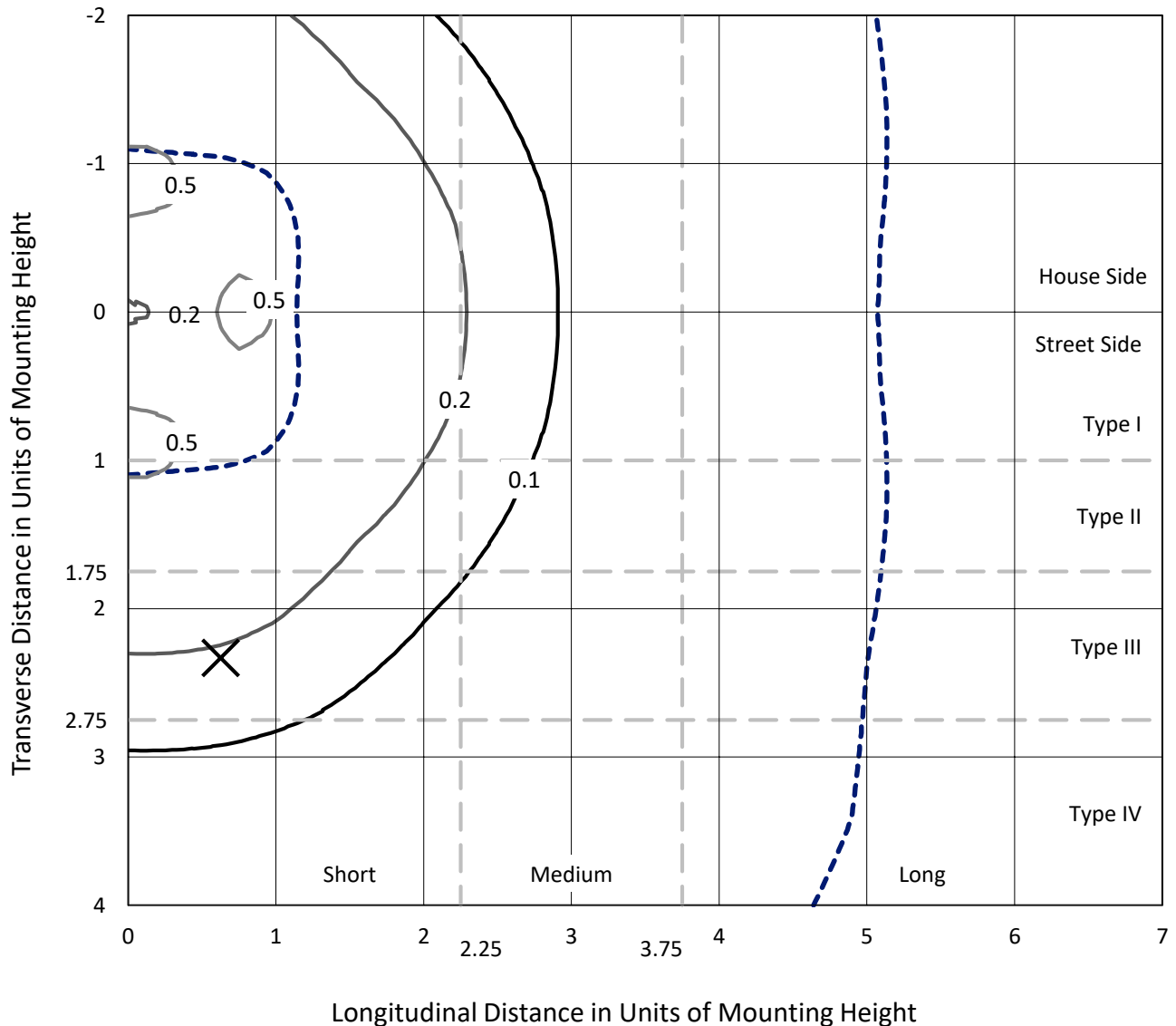


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

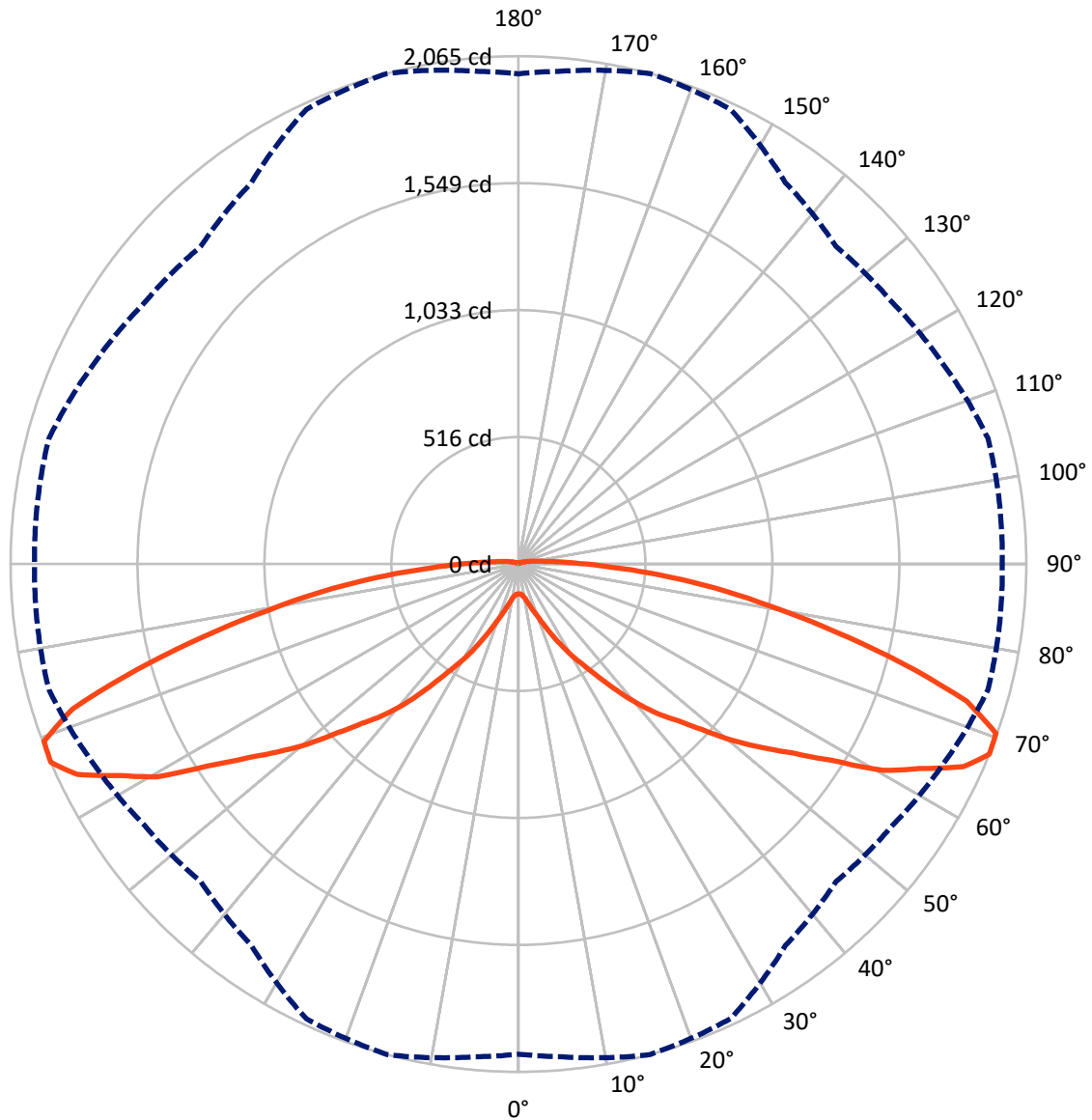


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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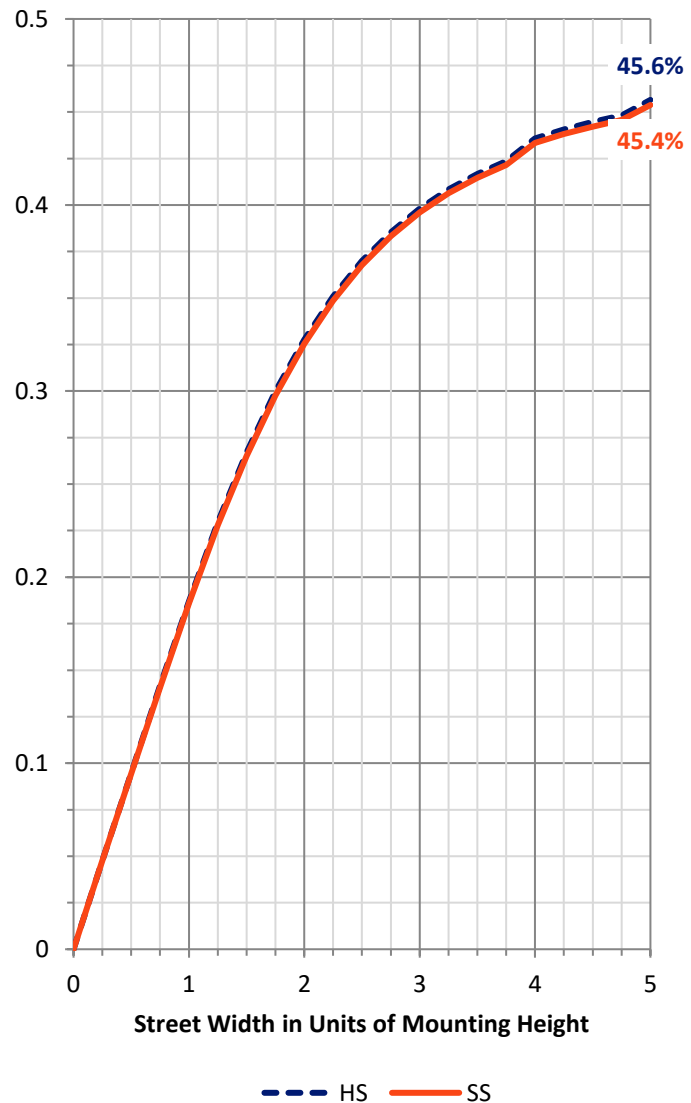
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3239.4	133.1	3372.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3239.4	133.1	3372.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	6478.8	266.2	6745.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.2
10°-20°	50.4	0.7
20°-30°	145.2	2.2
30°-40°	342.0	5.1
40°-50°	644.6	9.6
50°-60°	1149.7	17.0
60°-70°	1817.6	26.9
70°-80°	1601.4	23.7
80°-90°	715.7	10.6
90°-100°	177.7	2.6
100°-110°	49.0	0.7
110°-120°	19.6	0.3
120°-130°	10.4	0.2
130°-140°	6.1	0.1
140°-150°	2.6	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6478.8	96.1
0°-180°	6745.0	100.0



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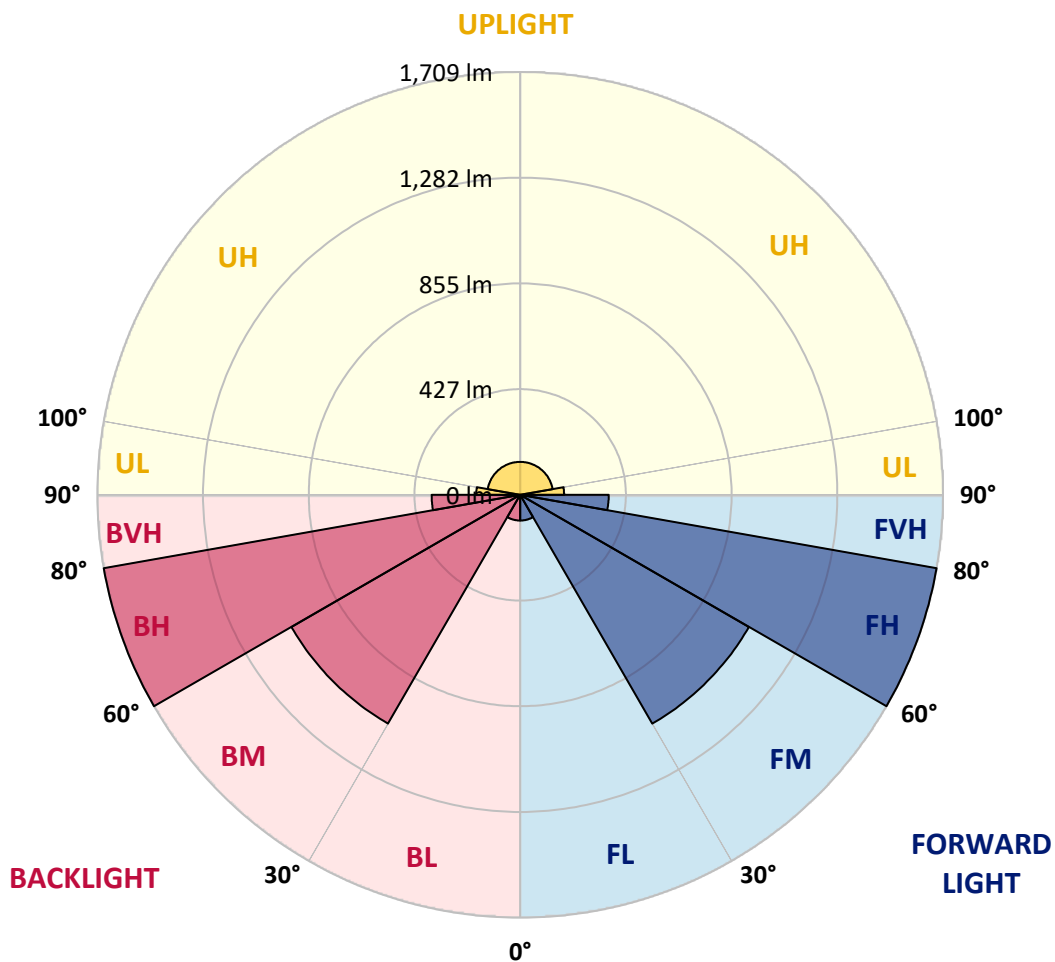
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.9	1.5			
FM	(30°-60°)	1068.1	15.8			
FH	(60°-80°)	1709.5	25.3			G1/1800
FVH	(80°-90°)	357.9	5.3			G3/500
BL	(0°-30°)	103.9	1.5	B0/110		
BM	(30°-60°)	1068.1	15.8	B2/2500		
BH	(60°-80°)	1709.5	25.3	B3/2500		G1/1800
BVH	(80°-90°)	357.9	5.3			G3/500
UL	(90°-100°)	177.7	2.6		U3/500	
UH	(100°-180°)	133.1	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°	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3
2.5°	121.3	121.3	122.0	122.0	122.8	123.5	122.8	122.0	121.3	120.6	120.6
5°	125.0	125.0	125.0	125.0	125.7	125.7	125.0	123.5	122.8	122.0	122.0
7.5°	130.9	130.9	130.9	130.9	130.9	130.1	128.7	127.2	126.5	125.7	125.7
10°	140.4	140.4	138.9	138.9	138.2	137.5	136.0	134.5	133.1	133.8	133.8
12.5°	156.6	157.3	155.1	151.4	148.5	147.0	146.3	146.3	148.5	148.5	149.2
15°	180.1	180.1	176.4	171.3	165.4	161.0	162.5	166.2	169.8	172.0	172.0
17.5°	205.9	205.9	202.2	195.6	187.5	185.3	184.5	188.2	196.3	199.2	200.0
20°	238.2	238.2	231.6	222.0	214.7	211.7	211.7	217.6	226.4	233.1	232.3
22.5°	282.3	281.6	272.0	255.8	246.3	241.9	241.1	249.2	264.7	275.0	277.9
25°	335.2	334.5	322.0	300.7	286.0	274.2	277.2	291.1	314.7	330.8	330.8
27.5°	395.5	392.6	376.4	352.9	330.8	315.4	319.8	339.7	369.1	391.1	391.9
30°	454.3	454.3	436.7	408.8	379.4	360.2	365.4	393.3	428.6	463.2	463.9
32.5°	516.8	516.1	494.0	466.1	430.1	408.8	416.8	451.4	501.4	541.1	548.4
35°	597.0	597.7	566.8	528.6	483.0	459.5	470.5	515.4	574.9	622.7	627.1
37.5°	683.0	687.4	653.6	604.3	543.3	514.6	530.8	583.0	652.1	702.1	702.1
40°	775.6	777.8	746.9	684.5	610.9	573.4	594.8	650.6	703.6	746.2	748.4
42.5°	854.3	856.5	832.2	771.2	688.9	644.0	656.5	699.2	749.1	796.9	801.3
45°	916.0	923.4	908.7	856.5	772.7	718.3	716.8	760.2	820.5	870.5	876.3
47.5°	1027.8	1031.5	1005.7	944.0	858.7	799.1	793.3	836.6	915.3	969.0	972.6
50°	1126.3	1137.3	1127.8	1061.6	960.1	888.1	888.8	946.2	1031.5	1085.9	1091.0
52.5°	1237.3	1242.5	1239.5	1182.9	1084.4	999.1	1008.7	1073.4	1165.3	1199.1	1205.0
55°	1338.8	1346.8	1357.1	1315.2	1217.5	1142.5	1151.3	1220.4	1282.2	1314.5	1317.4
57.5°	1499.8	1507.9	1507.1	1445.4	1361.6	1288.8	1303.5	1357.9	1438.7	1493.9	1503.4
60°	1674.7	1686.5	1704.9	1624.7	1499.0	1448.3	1466.7	1545.3	1637.2	1645.3	1655.6
62.5°	1791.6	1797.5	1832.1	1805.6	1659.3	1598.3	1646.8	1713.7	1761.5	1768.8	1765.9
65°	1944.5	1963.7	1987.9	1926.9	1809.3	1725.5	1781.3	1831.3	1917.3	1924.7	1923.2
67.5°	1993.1	2011.5	2065.1	2040.1	1893.1	1826.2	1854.9	1910.0	1976.2	1970.3	1967.3
70°	1996.7	2014.4	2060.0	2046.7	1912.2	1819.6	1849.0	1870.3	1931.3	1932.1	1924.0
72.5°	1796.8	1827.7	1905.6	1929.1	1811.5	1716.6	1718.8	1718.1	1722.5	1674.0	1654.9
75°	1513.7	1535.8	1612.2	1668.9	1608.6	1527.0	1525.5	1463.7	1450.5	1413.7	1400.5
77.5°	1212.3	1239.5	1313.0	1374.8	1353.5	1309.4	1286.6	1216.7	1197.6	1155.7	1160.8
80°	942.5	963.8	1036.6	1116.7	1122.6	1091.7	1066.7	1009.4	971.9	936.6	921.2
82.5°	725.6	744.0	806.5	893.2	929.3	925.6	890.3	825.6	791.8	758.0	738.1
85°	501.4	517.6	579.3	684.5	749.1	771.9	732.2	650.6	590.3	542.6	531.5
87.5°	323.5	330.8	380.1	471.2	568.3	622.0	580.1	477.9	402.1	363.9	351.4
90°	202.2	213.2	248.5	305.1	399.9	468.3	425.7	322.0	267.6	228.6	220.6
92.5°	140.4	138.9	163.2	202.9	272.8	328.6	291.9	213.2	169.1	143.4	138.2
95°	92.6	96.3	109.5	134.5	184.5	219.1	192.6	141.9	111.0	92.6	90.4
97.5°	69.1	69.8	80.1	95.6	125.7	144.1	127.9	98.5	78.7	66.9	66.2
100°	54.4	55.1	62.5	71.3	88.2	100.0	89.7	74.3	61.0	52.2	52.2
102.5°	42.6	43.4	48.5	55.9	66.9	74.3	68.4	57.3	47.8	41.2	40.4
105°	33.8	33.8	38.2	44.1	52.2	57.3	53.7	44.8	36.8	32.3	32.3
107.5°	26.5	27.2	30.1	34.6	41.9	47.1	42.6	34.6	28.7	25.0	25.0
110°	21.3	21.3	23.5	27.9	33.8	38.2	34.6	27.9	22.8	20.6	20.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	17.6	17.6	19.1	22.8	27.9	31.6	27.9	22.8	18.4	16.9	16.9
115°	14.7	14.7	16.2	18.4	23.5	25.7	23.5	18.4	15.4	14.0	14.0
117.5°	13.2	13.2	14.0	16.2	19.8	21.3	19.8	15.4	13.2	12.5	12.5
120°	11.8	11.8	12.5	14.0	16.9	18.4	16.9	14.0	11.8	11.0	11.0
122.5°	11.0	11.0	11.0	12.5	15.4	16.2	14.7	12.5	10.3	10.3	10.3
125°	10.3	10.3	10.3	11.0	13.2	14.0	13.2	11.0	9.6	9.6	9.6
127.5°	9.6	9.6	9.6	10.3	11.8	12.5	11.8	10.3	8.8	8.8	8.8
130°	9.6	9.6	8.8	9.6	10.3	11.0	10.3	9.6	8.8	8.1	8.8
132.5°	8.8	8.8	8.8	8.8	9.6	9.6	9.6	8.8	8.1	8.1	8.1
135°	8.1	8.1	7.4	7.4	8.1	8.8	8.1	7.4	7.4	7.4	7.4
137.5°	7.4	6.6	6.6	6.6	7.4	7.4	7.4	6.6	6.6	6.6	6.6
140°	5.9	5.9	5.9	5.9	5.9	6.6	5.9	5.1	5.1	5.9	5.9
142.5°	5.1	5.1	5.1	4.4	5.1	5.1	5.1	4.4	4.4	4.4	4.4
145°	4.4	4.4	4.4	3.7	4.4	4.4	4.4	3.7	3.7	3.7	3.7
147.5°	2.9	3.7	2.9	2.9	3.7	3.7	2.9	2.9	2.9	2.9	2.9
150°	2.2	2.2	2.2	2.2	2.9	2.9	2.2	2.2	2.2	2.2	2.2
152.5°	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	1.5	1.5	1.5
155°	1.5	1.5	1.5	1.5	2.2	2.2	1.5	1.5	1.5	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	1.5	2.2	1.5	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.7	1.5	2.2	1.5	0.7	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)