

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: P415852

Luminaire Tested: **LXF.LXT-PA1-60-730-U-5WQ-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415852  
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-PA1-60-730-U-5WQ-A  
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: 6816 lumens  
Efficiency: N/A  
Efficacy: 106.5 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): 64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

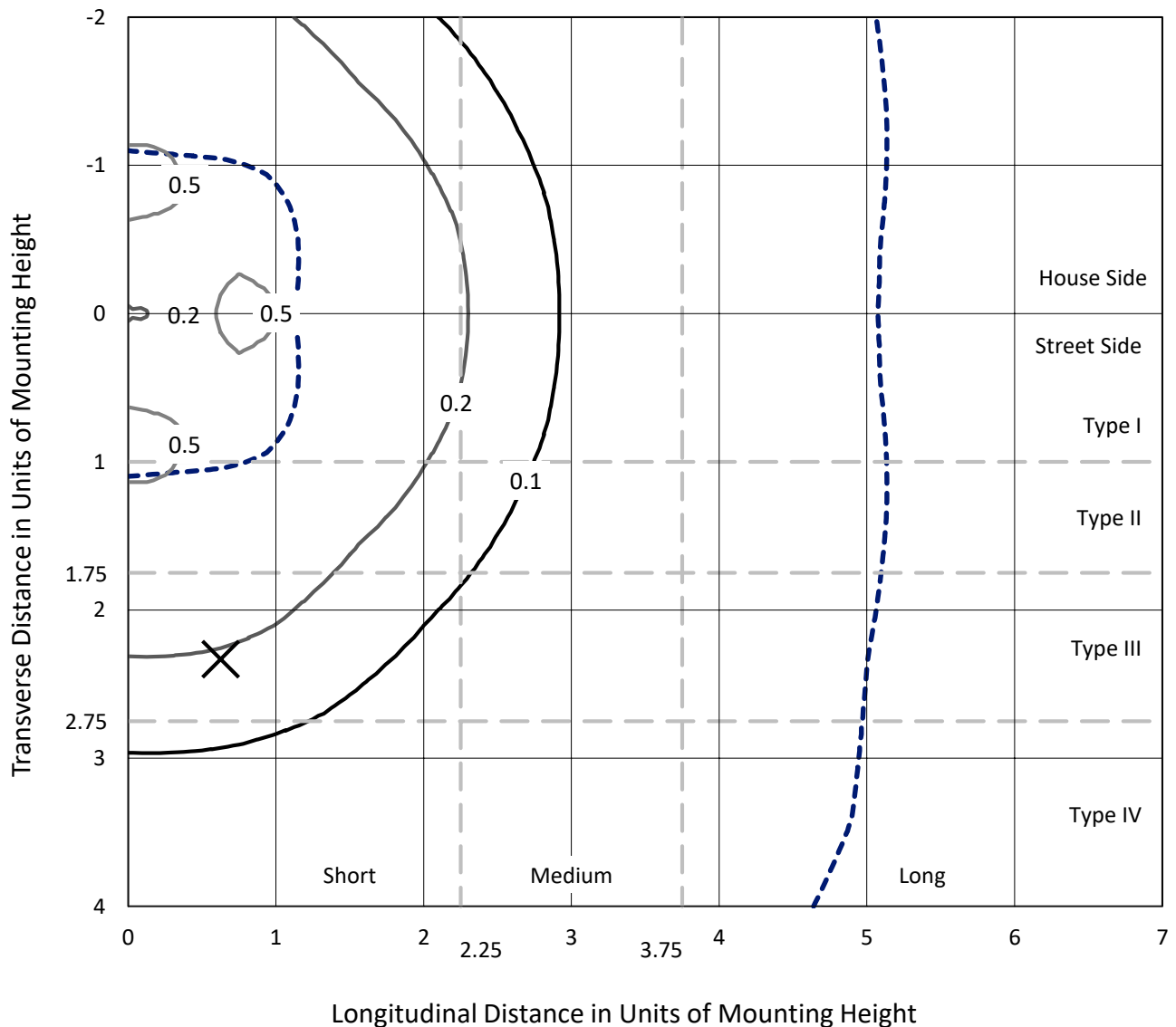


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

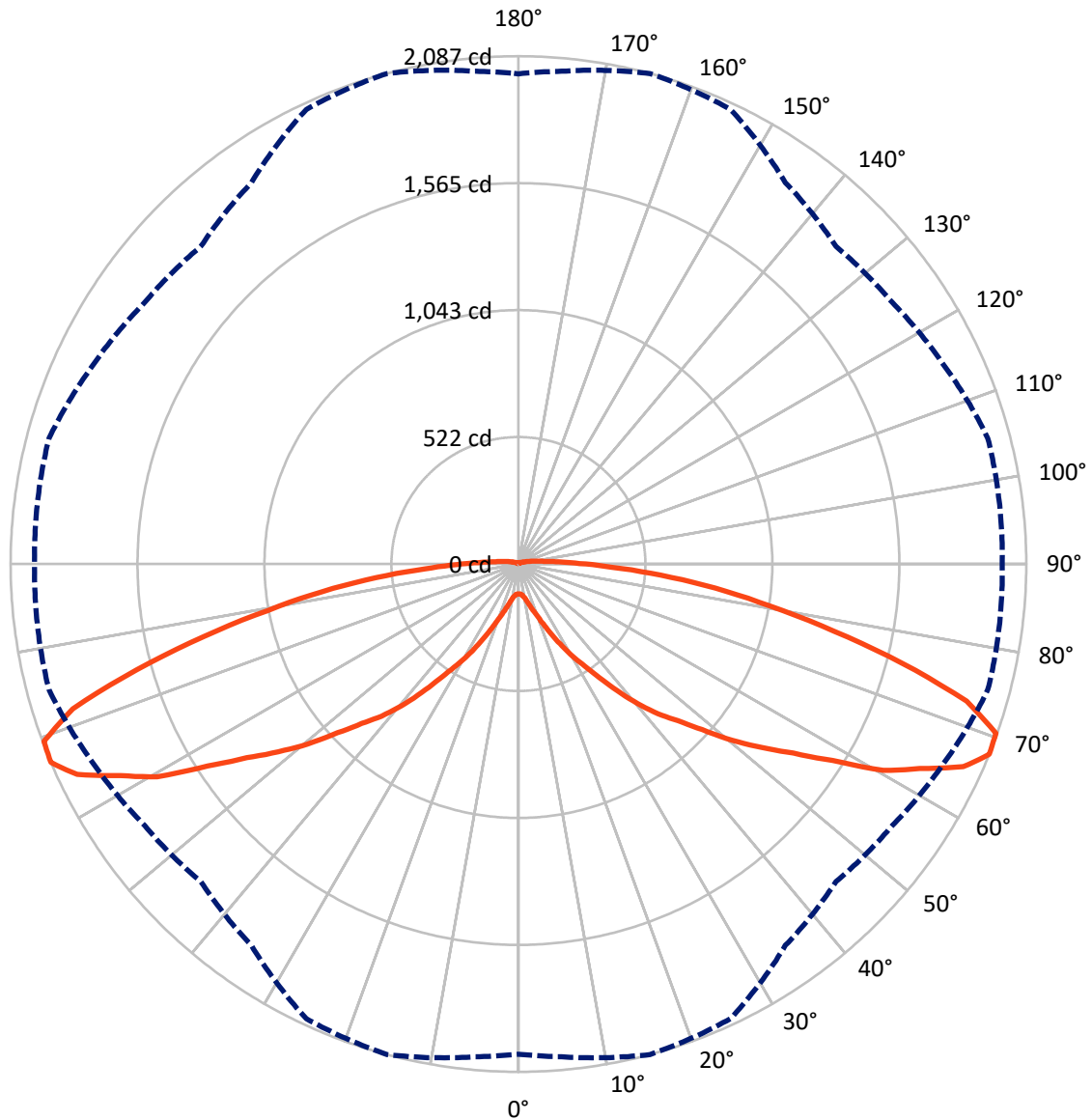


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Short - Non-Cutoff

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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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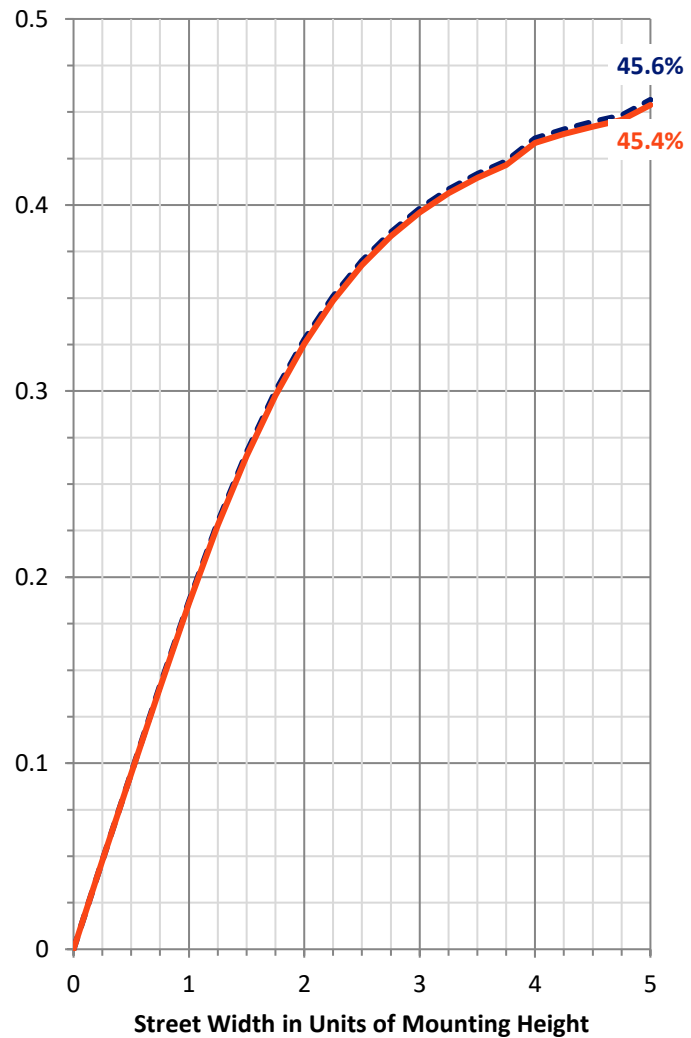
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3273.5	134.5	3408.0
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	3273.5	134.5	3408.0
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	6547.0	269.0	6816.0
	% Fixture	96.1	3.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.4	0.2
10°-20°	50.9	0.7
20°-30°	146.8	2.2
30°-40°	345.6	5.1
40°-50°	651.4	9.6
50°-60°	1161.8	17.0
60°-70°	1836.7	26.9
70°-80°	1618.2	23.7
80°-90°	723.3	10.6
90°-100°	179.6	2.6
100°-110°	49.5	0.7
110°-120°	19.8	0.3
120°-130°	10.5	0.2
130°-140°	6.2	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°	6547.0	96.1
0°-180°	6816.0	100.0



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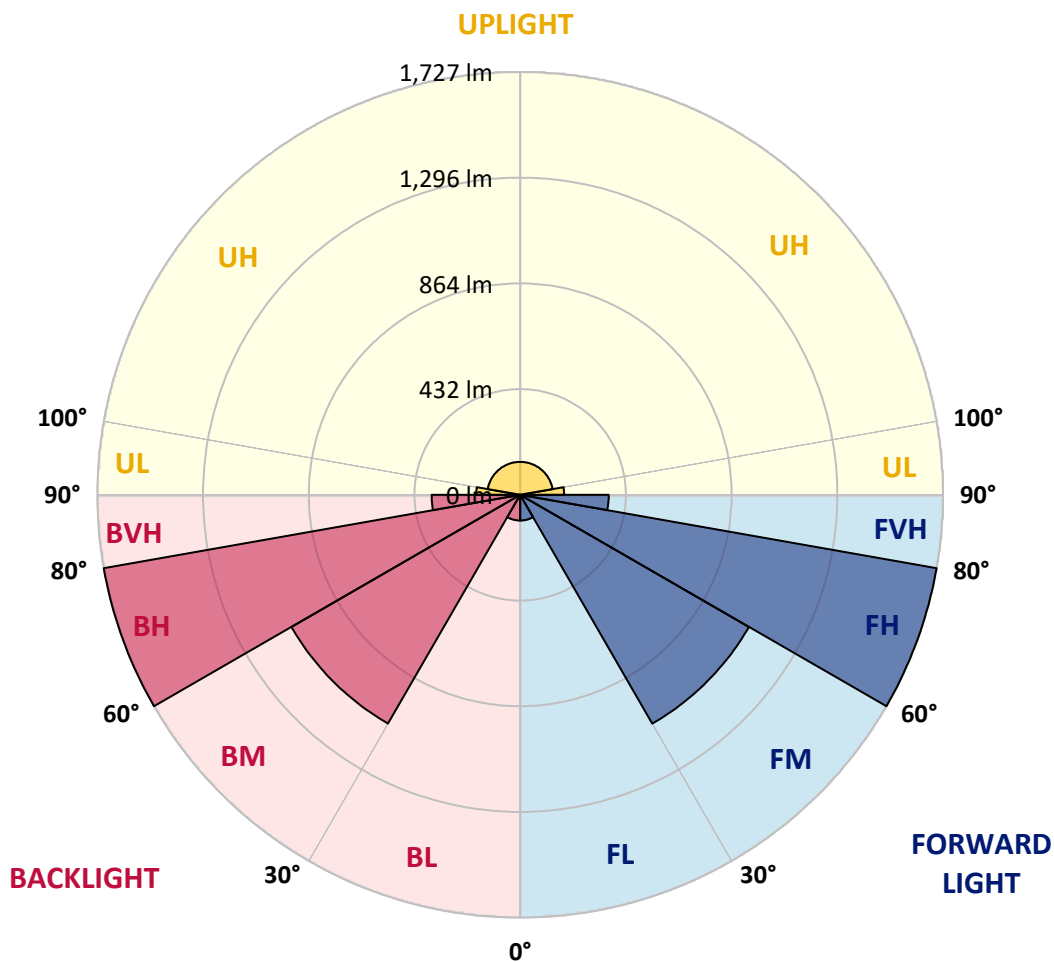
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.0	1.5			
FM (30°-60°)	1079.4	15.8			
FH (60°-80°)	1727.5	25.3			G1/1800
FVH (80°-90°)	361.6	5.3			G3/500
BL (0°-30°)	105.0	1.5	B0/110		
BM (30°-60°)	1079.4	15.8	B2/2500		
BH (60°-80°)	1727.5	25.3	B3/2500		G1/1800
BVH (80°-90°)	361.6	5.3			G3/500
UL (90°-100°)	179.6	2.6		U3/500	
UH (100°-180°)	134.5	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°	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6
2.5°	122.6	122.6	123.3	123.3	124.1	124.8	124.1	123.3	122.6	121.8	121.8
5°	126.3	126.3	126.3	126.3	127.0	127.0	126.3	124.8	124.1	123.3	123.3
7.5°	132.2	132.2	132.2	132.2	132.2	131.5	130.0	128.5	127.8	127.0	127.0
10°	141.9	141.9	140.4	140.4	139.7	138.9	137.4	136.0	134.5	135.2	135.2
12.5°	158.2	159.0	156.8	153.0	150.1	148.6	147.8	147.8	150.1	150.1	150.8
15°	182.0	182.0	178.3	173.1	167.2	162.7	164.2	167.9	171.6	173.8	173.8
17.5°	208.0	208.0	204.3	197.6	189.4	187.2	186.5	190.2	198.4	201.3	202.1
20°	240.7	240.7	234.0	224.4	216.9	214.0	214.0	219.9	228.8	235.5	234.8
22.5°	285.3	284.5	274.9	258.5	248.9	244.4	243.7	251.8	267.5	277.9	280.8
25°	338.8	338.0	325.4	303.9	289.0	277.1	280.1	294.2	318.0	334.3	334.3
27.5°	399.7	396.7	380.4	356.6	334.3	318.7	323.2	343.2	372.9	395.2	396.0
30°	459.1	459.1	441.3	413.1	383.3	364.0	369.2	397.5	433.1	468.0	468.8
32.5°	522.3	521.5	499.2	471.0	434.6	413.1	421.2	456.2	506.7	546.8	554.2
35°	603.2	604.0	572.8	534.2	488.1	464.3	475.5	520.8	581.0	629.3	633.7
37.5°	690.2	694.6	660.5	610.7	549.0	520.0	536.4	589.1	659.0	709.5	709.5
40°	783.8	786.0	754.8	691.7	617.4	579.5	601.0	657.5	711.0	754.1	756.3
42.5°	863.3	865.5	841.0	779.3	696.1	650.8	663.4	706.5	757.0	805.3	809.8
45°	925.7	933.1	918.2	865.5	780.8	725.8	724.3	768.2	829.1	879.6	885.6
47.5°	1038.6	1042.3	1016.3	953.9	867.7	807.6	801.6	845.4	924.9	979.2	982.9
50°	1138.2	1149.3	1139.6	1072.8	970.3	897.4	898.2	956.1	1042.3	1097.3	1102.5
52.5°	1250.3	1255.5	1252.6	1195.4	1095.8	1009.6	1019.3	1084.7	1177.5	1211.7	1217.6
55°	1352.9	1361.0	1371.4	1329.1	1230.3	1154.5	1163.4	1233.2	1295.6	1328.3	1331.3
57.5°	1515.6	1523.7	1523.0	1460.6	1375.9	1302.3	1317.2	1372.2	1453.9	1509.6	1519.3
60°	1692.4	1704.3	1722.8	1641.8	1514.8	1463.5	1482.1	1561.6	1654.5	1662.7	1673.1
62.5°	1810.5	1816.4	1851.4	1824.6	1676.8	1615.1	1664.1	1731.7	1780.0	1787.5	1784.5
65°	1965.0	1984.3	2008.9	1947.2	1828.3	1743.6	1800.1	1850.6	1937.5	1945.0	1943.5
67.5°	2014.1	2032.6	2086.9	2061.6	1913.0	1845.4	1874.4	1930.1	1997.0	1991.0	1988.0
70°	2017.8	2035.6	2081.7	2068.3	1932.3	1838.7	1868.4	1890.0	1951.6	1952.4	1944.2
72.5°	1815.7	1846.9	1925.6	1949.4	1830.6	1734.7	1736.9	1736.2	1740.7	1691.6	1672.3
75°	1529.7	1552.0	1629.2	1686.4	1625.5	1543.0	1541.6	1479.1	1465.8	1428.6	1415.3
77.5°	1225.1	1252.6	1326.9	1389.3	1367.7	1323.1	1300.1	1229.5	1210.2	1167.9	1173.1
80°	952.4	974.0	1047.5	1128.5	1134.4	1103.2	1078.0	1020.0	982.1	946.5	930.9
82.5°	733.3	751.8	815.0	902.6	939.0	935.3	899.7	834.3	800.1	765.9	745.9
85°	506.7	523.0	585.4	691.7	757.0	780.1	739.9	657.5	596.6	548.3	537.1
87.5°	326.9	334.3	384.1	476.2	574.3	628.5	586.2	482.9	406.4	367.7	355.1
90°	204.3	215.4	251.1	308.3	404.1	473.2	430.1	325.4	270.4	231.0	222.9
92.5°	141.9	140.4	164.9	205.0	275.6	332.1	294.9	215.4	170.9	144.9	139.7
95°	93.6	97.3	110.7	136.0	186.5	221.4	194.6	143.4	112.2	93.6	91.4
97.5°	69.8	70.6	81.0	96.6	127.0	145.6	129.3	99.6	79.5	67.6	66.9
100°	55.0	55.7	63.1	72.1	89.2	101.0	90.6	75.0	61.7	52.7	52.7
102.5°	43.1	43.8	49.0	56.5	67.6	75.0	69.1	57.9	48.3	41.6	40.9
105°	34.2	34.2	38.6	44.6	52.7	57.9	54.2	45.3	37.1	32.7	32.7
107.5°	26.7	27.5	30.5	34.9	42.3	47.5	43.1	34.9	29.0	25.3	25.3
110°	21.5	21.5	23.8	28.2	34.2	38.6	34.9	28.2	23.0	20.8	20.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	17.8	17.8	19.3	23.0	28.2	31.9	28.2	23.0	18.6	17.1	17.1
115°	14.9	14.9	16.3	18.6	23.8	26.0	23.8	18.6	15.6	14.1	14.1
117.5°	13.4	13.4	14.1	16.3	20.1	21.5	20.1	15.6	13.4	12.6	12.6
120°	11.9	11.9	12.6	14.1	17.1	18.6	17.1	14.1	11.9	11.1	11.1
122.5°	11.1	11.1	11.1	12.6	15.6	16.3	14.9	12.6	10.4	10.4	10.4
125°	10.4	10.4	10.4	11.1	13.4	14.1	13.4	11.1	9.7	9.7	9.7
127.5°	9.7	9.7	9.7	10.4	11.9	12.6	11.9	10.4	8.9	8.9	8.9
130°	9.7	9.7	8.9	9.7	10.4	11.1	10.4	9.7	8.9	8.2	8.9
132.5°	8.9	8.9	8.9	8.9	9.7	9.7	9.7	8.9	8.2	8.2	8.2
135°	8.2	8.2	7.4	7.4	8.2	8.9	8.2	7.4	7.4	7.4	7.4
137.5°	7.4	6.7	6.7	6.7	7.4	7.4	7.4	6.7	6.7	6.7	6.7
140°	5.9	5.9	5.9	5.9	5.9	6.7	5.9	5.2	5.2	5.9	5.9
142.5°	5.2	5.2	5.2	4.5	5.2	5.2	5.2	4.5	4.5	4.5	4.5
145°	4.5	4.5	4.5	3.7	4.5	4.5	4.5	3.7	3.7	3.7	3.7
147.5°	3.0	3.7	3.0	3.0	3.7	3.7	3.0	3.0	3.0	3.0	3.0
150°	2.2	2.2	2.2	2.2	3.0	3.0	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)