

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: P254795

Luminaire Tested: **LXF.LXT-AF24-100-D-U-5WQ-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254795  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-100-D-U-5WQ-FL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8456.7 lumens  
Efficiency: N/A  
Efficacy: 88.1 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 - G4

Input Watts (W): 96  
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

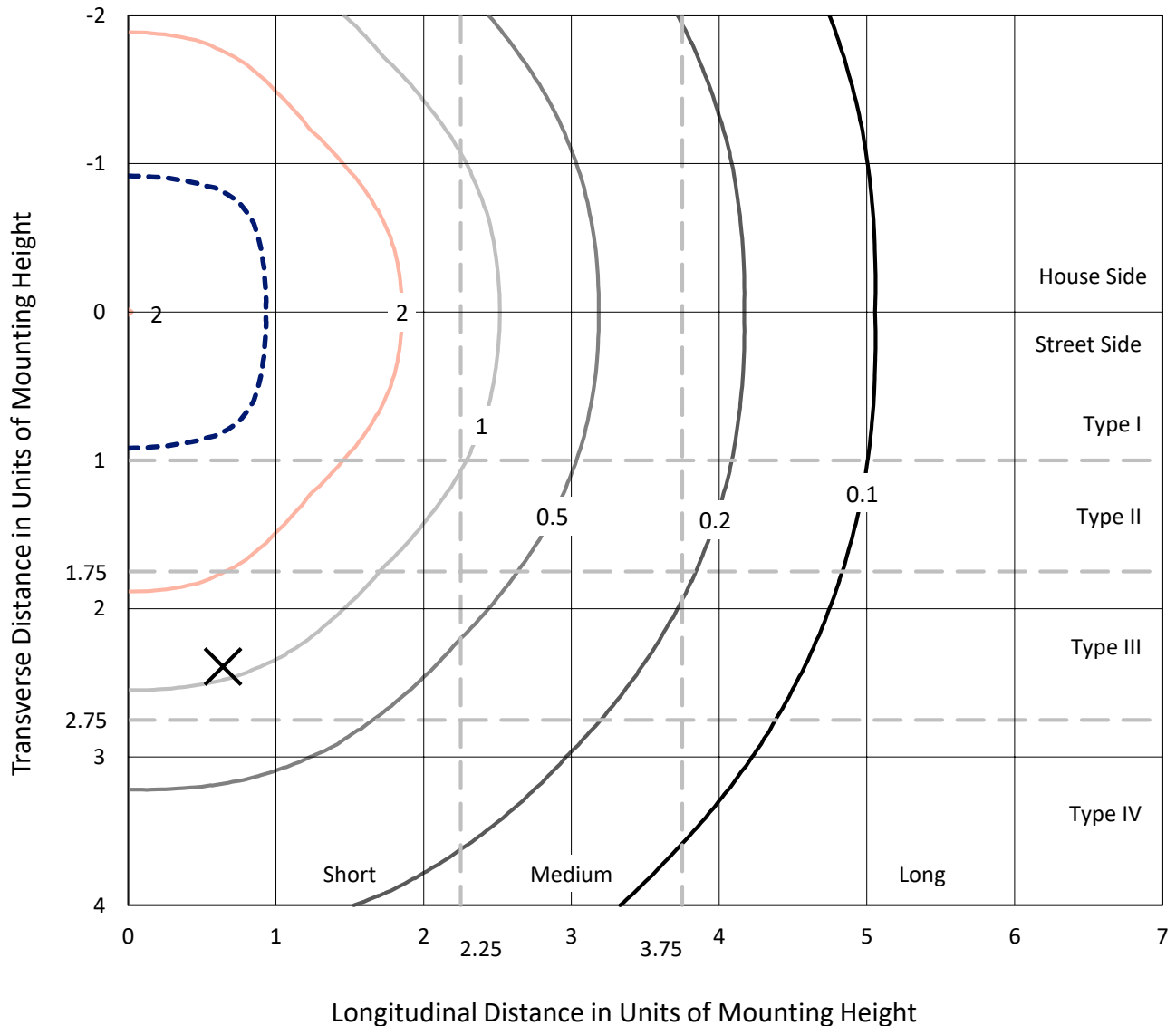


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

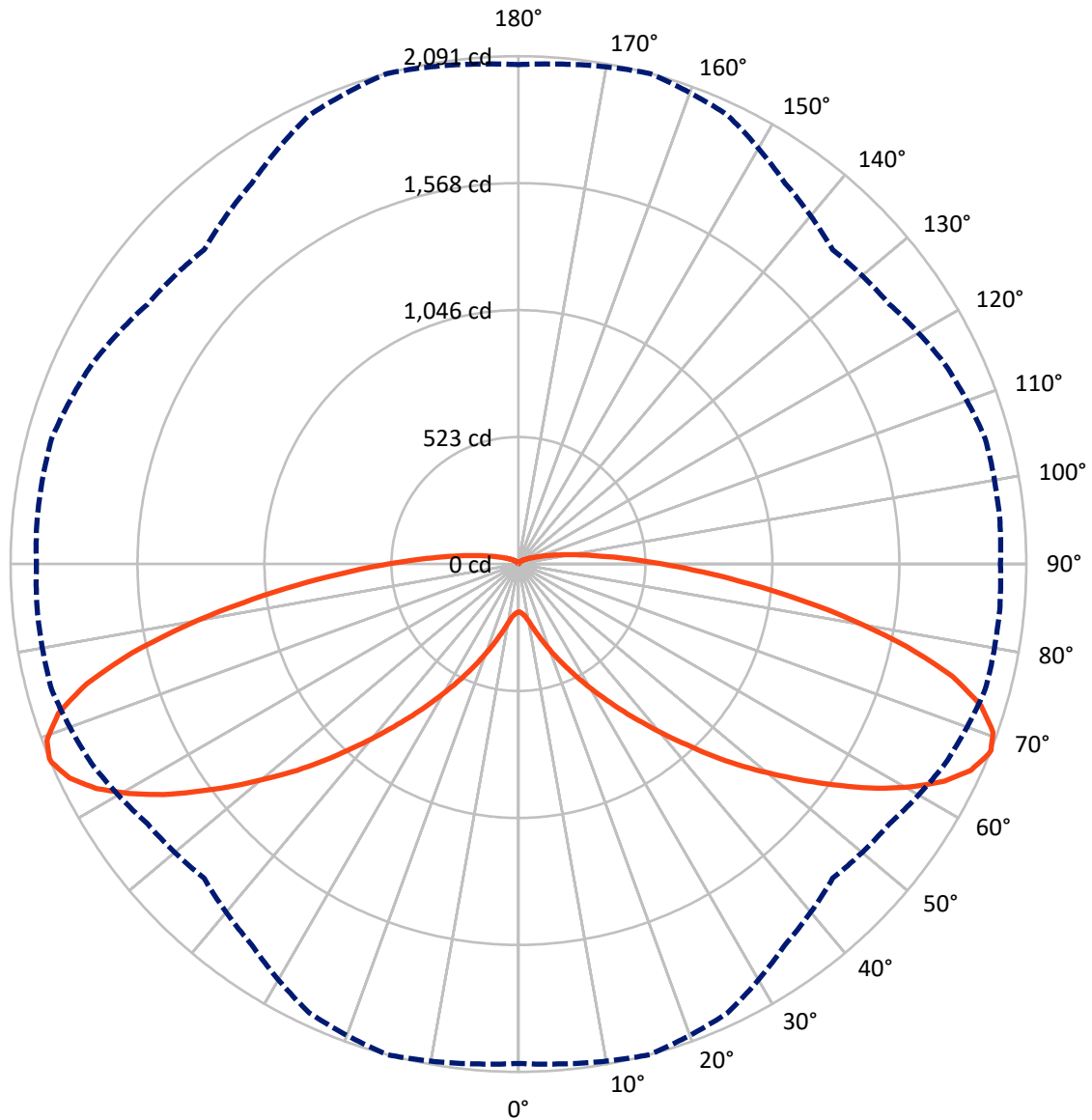


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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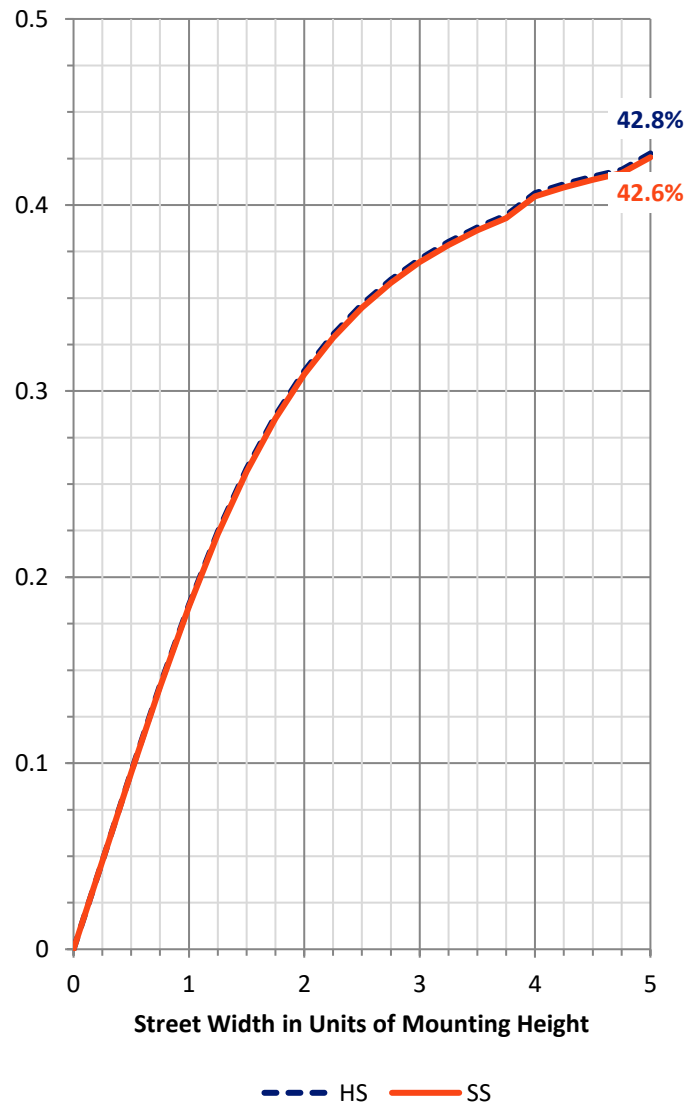
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3874.7	353.6	4228.3
	% Fixture	45.8	4.2	50.0
<b>Street Side</b>	Lumens	3874.7	353.6	4228.3
	% Fixture	45.8	4.2	50.0
<b>Total</b>	Lumens	7749.5	707.2	8456.7
	% Fixture	91.6	8.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.8	0.2
10°-20°	86.8	1.0
20°-30°	221.0	2.6
30°-40°	459.2	5.4
40°-50°	838.1	9.9
50°-60°	1369.0	16.2
60°-70°	1888.5	22.3
70°-80°	1824.7	21.6
80°-90°	1041.4	12.3
90°-100°	419.2	5.0
100°-110°	164.6	1.9
110°-120°	71.3	0.8
120°-130°	32.7	0.4
130°-140°	14.2	0.2
140°-150°	4.6	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7749.5	91.6
0°-180°	8456.7	100.0

**Coefficient of Utilization**



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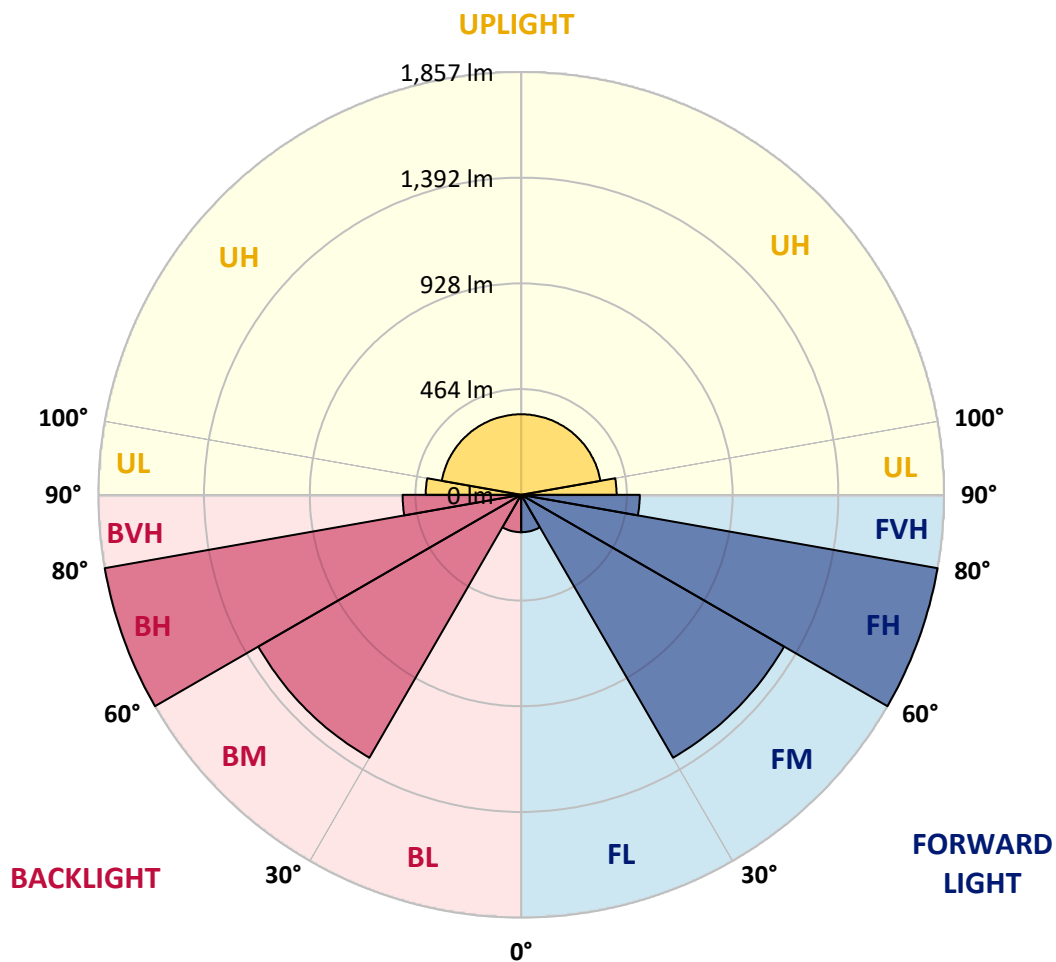
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.3	1.9			
FM (30°-60°)	1333.1	15.8			
FH (60°-80°)	1856.6	22.0			G2/5000
FVH (80°-90°)	520.7	6.2			G4/750
BL (0°-30°)	164.3	1.9	B1/500		
BM (30°-60°)	1333.1	15.8	B2/2500		
BH (60°-80°)	1856.6	22.0	B3/2500		G2/5000
BVH (80°-90°)	520.7	6.2			G4/750
UL (90°-100°)	419.2	5.0		U3/500	
UH (100°-180°)	353.6	4.2		U3/500	

**BUG Rating: B3-U3-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3	197.3
2.5°	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	199.2	199.2	199.2
5°	206.9	207.9	207.9	207.9	207.9	207.9	207.9	206.9	206.9	206.9	206.9
7.5°	220.4	220.4	220.4	220.4	220.4	219.5	219.5	219.5	218.6	218.6	217.7
10°	241.8	241.8	241.8	240.8	239.9	238.8	238.8	237.9	237.0	237.0	236.0
12.5°	269.9	269.9	269.9	265.0	264.1	262.1	262.1	262.1	263.1	263.1	264.1
15°	303.6	303.6	303.6	297.8	294.0	289.2	291.0	292.0	294.0	294.0	295.0
17.5°	342.4	342.4	340.5	334.7	328.9	325.9	324.0	326.9	328.9	330.7	330.7
20°	384.9	384.9	382.0	374.3	368.5	366.6	364.6	364.6	369.4	371.4	369.4
22.5°	433.3	431.3	429.4	419.8	414.0	409.0	409.0	408.1	414.0	417.8	416.9
25°	488.4	486.4	480.6	470.1	463.3	457.5	456.4	456.4	466.2	472.0	471.0
27.5°	548.4	545.4	537.8	526.1	515.4	507.7	508.7	512.5	521.2	532.0	532.0
30°	614.1	612.2	599.7	588.1	570.7	560.9	562.9	573.5	585.1	596.8	597.6
32.5°	686.7	682.8	668.3	652.9	631.5	619.0	622.9	635.5	652.9	670.2	671.2
35°	767.0	763.0	745.7	724.4	697.3	680.9	686.7	706.1	729.2	749.5	750.5
37.5°	854.0	848.2	826.9	804.7	767.9	748.5	758.3	783.4	810.4	833.6	836.6
40°	943.0	943.0	919.8	889.8	845.3	822.0	832.7	866.5	901.4	922.7	927.5
42.5°	1042.6	1043.5	1017.4	981.7	929.5	902.4	914.9	954.6	997.1	1020.4	1025.2
45°	1147.0	1150.0	1130.7	1080.3	1020.4	987.4	1002.0	1052.2	1099.7	1123.8	1127.7
47.5°	1259.2	1263.0	1244.7	1186.7	1118.0	1082.2	1097.7	1154.8	1209.9	1233.1	1237.0
50°	1378.2	1381.0	1358.8	1301.9	1224.4	1180.9	1200.2	1264.0	1321.2	1344.3	1350.1
52.5°	1501.0	1504.0	1482.6	1425.7	1335.5	1287.3	1310.4	1377.2	1441.0	1461.4	1462.3
55°	1624.8	1628.6	1610.3	1548.4	1451.7	1396.6	1422.7	1493.2	1562.0	1581.3	1587.1
57.5°	1746.6	1750.6	1742.8	1673.2	1569.7	1506.8	1536.8	1614.2	1681.8	1697.4	1698.3
60°	1860.8	1867.6	1861.8	1793.1	1680.9	1612.2	1644.2	1725.4	1793.1	1805.6	1807.5
62.5°	1961.4	1965.2	1968.1	1906.2	1779.5	1705.1	1740.8	1824.9	1890.7	1898.5	1897.5
65°	2030.0	2037.8	2047.4	1987.5	1859.8	1779.5	1816.3	1898.5	1959.4	1965.2	1961.4
67.5°	2056.1	2066.7	2088.1	2034.9	1909.2	1824.9	1860.8	1937.1	1989.4	1992.4	1985.6
68°	2056.1	2065.9	2091.0	2038.8	1914.0	1829.9	1864.6	1940.1	1990.3	1990.3	1984.5
70°	2026.2	2039.8	2072.5	2033.0	1915.0	1833.7	1863.6	1928.5	1971.0	1963.3	1954.6
72.5°	1931.3	1946.9	1991.4	1967.2	1870.4	1798.0	1819.1	1866.5	1886.0	1870.4	1861.8
75°	1766.9	1783.4	1844.3	1840.5	1771.8	1711.9	1724.4	1745.8	1745.8	1716.7	1701.1
77.5°	1560.0	1575.5	1635.4	1659.6	1626.8	1582.3	1582.3	1577.3	1553.2	1504.8	1491.4
80°	1314.4	1327.9	1391.8	1443.0	1437.2	1412.0	1400.3	1369.4	1327.0	1273.8	1254.4
82.5°	1068.7	1083.2	1145.1	1197.4	1231.2	1221.5	1201.2	1152.8	1090.0	1031.0	1019.4
85°	847.2	852.0	916.9	983.6	1022.2	1026.2	1004.8	943.0	878.1	820.1	806.6
87.5°	660.6	667.3	720.6	788.2	835.7	839.4	818.3	755.3	692.4	640.3	628.7
90°	507.7	518.4	560.9	621.9	667.3	677.0	655.8	599.7	540.7	493.2	483.6
92.5°	391.7	398.5	436.2	488.4	530.0	542.6	523.3	473.8	422.7	381.1	377.2
95°	307.6	309.5	339.5	383.9	418.8	435.2	416.9	375.3	330.7	296.9	293.1
97.5°	237.9	241.8	265.9	303.6	335.7	346.3	332.7	297.8	261.1	229.2	226.2
100°	184.7	187.6	208.9	242.8	268.9	278.5	267.9	238.8	205.1	179.8	179.8
102.5°	147.0	147.9	165.4	193.4	214.7	223.4	215.7	191.5	162.5	142.1	143.1
105°	118.0	118.0	131.5	156.7	177.0	182.8	176.0	154.7	129.6	114.1	114.1
107.5°	94.7	95.7	106.4	127.7	146.1	151.9	146.1	126.7	104.5	92.9	92.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	78.3	78.3	86.1	104.5	120.8	126.7	120.8	103.5	85.1	75.4	75.4
112.5°	64.8	64.8	70.6	86.1	100.6	106.4	100.6	85.1	69.6	62.9	62.9
115°	55.1	55.1	59.0	71.6	84.1	88.9	84.1	71.6	58.0	54.2	54.2
117.5°	47.4	47.4	50.3	60.0	70.6	75.4	70.6	59.0	49.2	46.4	46.4
120°	41.6	41.6	42.5	49.2	59.0	62.9	59.0	49.2	41.6	39.7	39.7
122.5°	35.8	35.8	35.8	41.6	49.2	52.2	48.4	41.6	35.8	34.9	34.9
125°	31.9	30.9	31.9	34.9	40.7	44.5	40.7	34.9	30.9	30.9	30.9
127.5°	28.1	28.1	27.1	29.1	33.9	35.8	33.9	29.1	27.1	27.1	27.1
130°	24.1	24.1	24.1	25.1	27.1	29.1	28.1	25.1	24.1	24.1	24.1
132.5°	21.3	21.3	20.3	21.3	22.3	23.2	22.3	20.3	20.3	21.3	21.3
135°	18.3	18.3	18.3	17.4	17.4	18.3	17.4	17.4	18.3	18.3	18.3
137.5°	16.4	16.4	15.6	14.5	13.5	13.5	13.5	14.5	15.6	15.6	16.4
140°	13.5	13.5	12.6	11.6	10.6	10.6	10.6	11.6	12.6	13.5	13.5
142.5°	11.6	11.6	10.6	8.7	7.7	6.8	7.7	8.7	9.8	10.6	10.6
145°	8.7	8.7	7.7	6.8	5.8	4.8	4.8	6.8	7.7	8.7	8.7
147.5°	6.8	6.8	5.8	4.8	3.9	2.9	2.9	4.8	5.8	6.8	6.8
150°	4.8	4.8	3.9	2.9	1.9	1.9	1.9	2.9	3.9	3.9	4.8
152.5°	2.9	2.9	1.9	1.9	1.0	1.0	1.0	1.9	1.9	2.9	2.9
155°	1.0	1.9	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.9	1.9
157.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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)