

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: P413774

Luminaire Tested: **LXF.LXT-PA1-100-730-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-5WQ-FL
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: 8918 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - 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

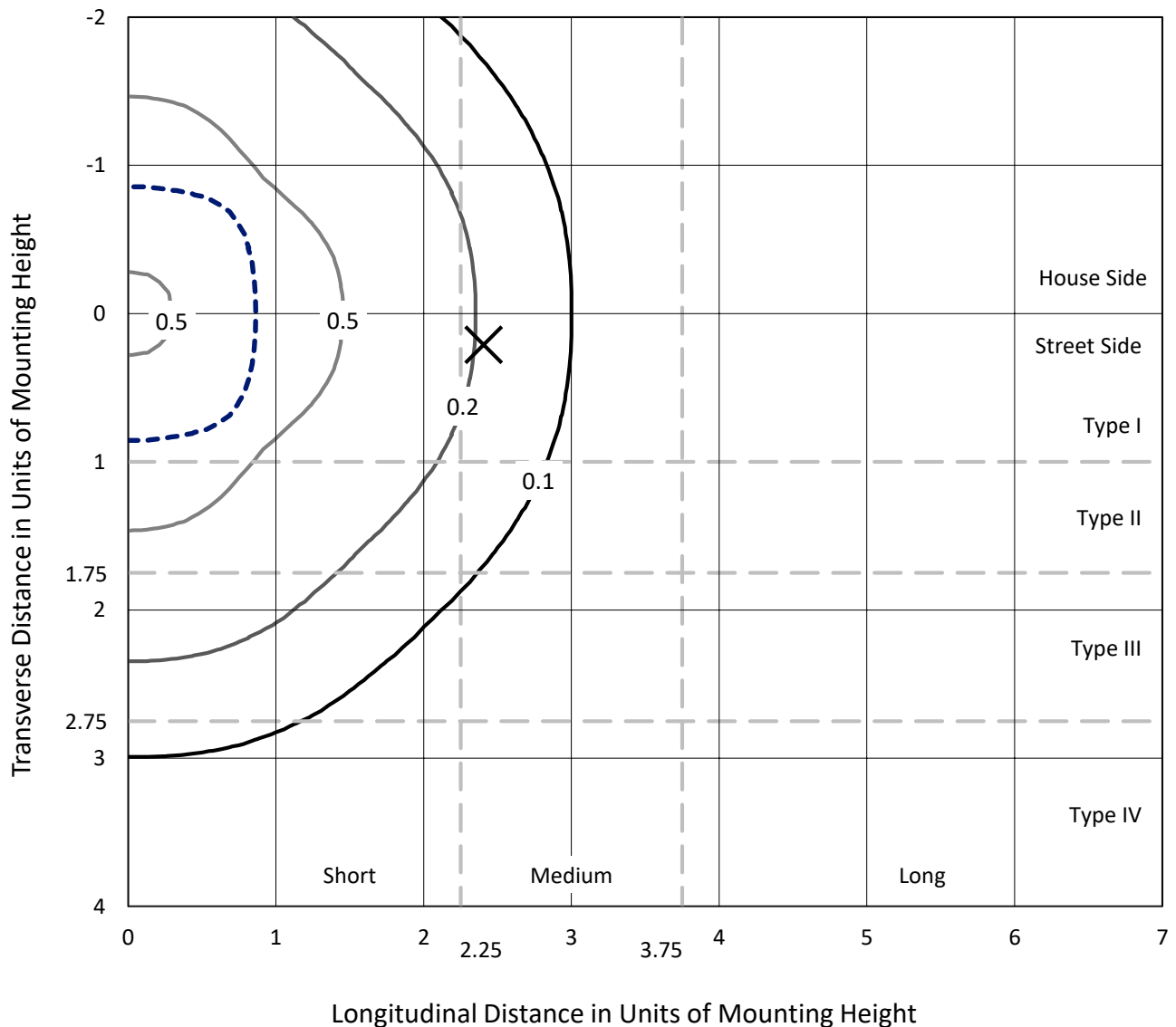


REPORT NUMBER: P413774

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-5WQ-FL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

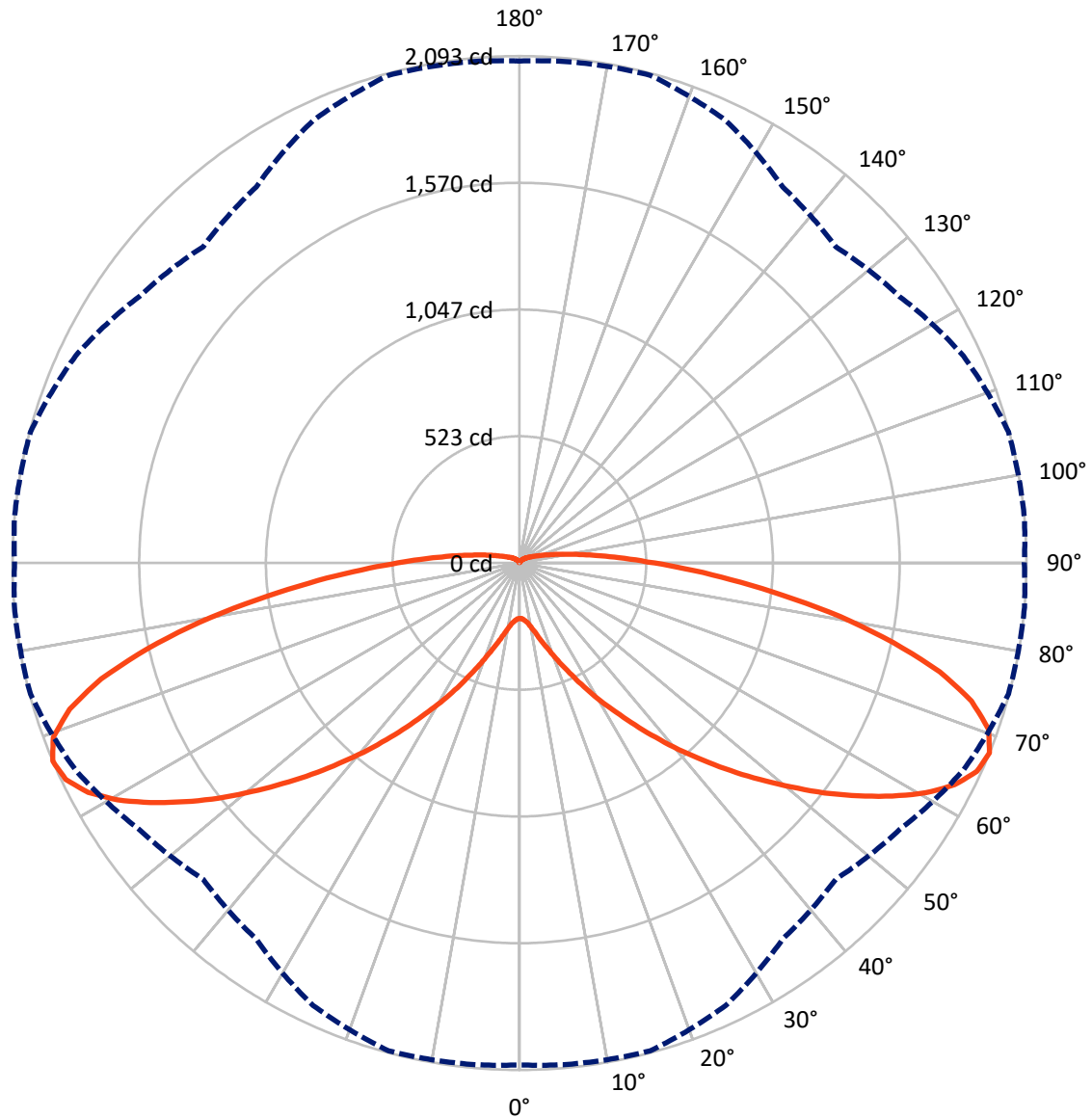


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Medium - Non-Cutoff

REPORT NUMBER: P413774

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-5WQ-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P413774

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-5WQ-FL

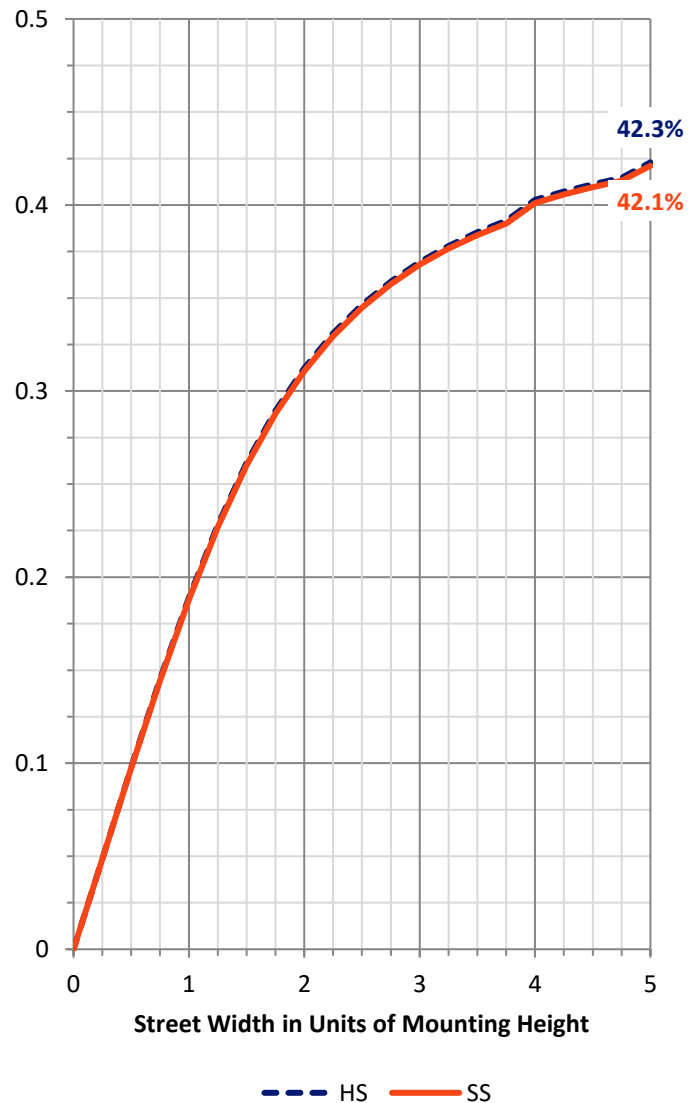
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4043.9	415.1	4459.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	4043.9	415.1	4459.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	8087.8	830.2	8918.0
	% Fixture	90.7	9.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	0.3
10°-20°	96.9	1.1
20°-30°	245.1	2.7
30°-40°	504.5	5.7
40°-50°	907.0	10.2
50°-60°	1449.8	16.3
60°-70°	1939.9	21.8
70°-80°	1838.1	20.6
80°-90°	1082.7	12.1
90°-100°	467.7	5.2
100°-110°	199.2	2.2
110°-120°	91.7	1.0
120°-130°	43.9	0.5
130°-140°	19.6	0.2
140°-150°	6.7	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8087.8	90.7
0°-180°	8918.0	100.0

Coefficient of Utilization



REPORT NUMBER: P413774

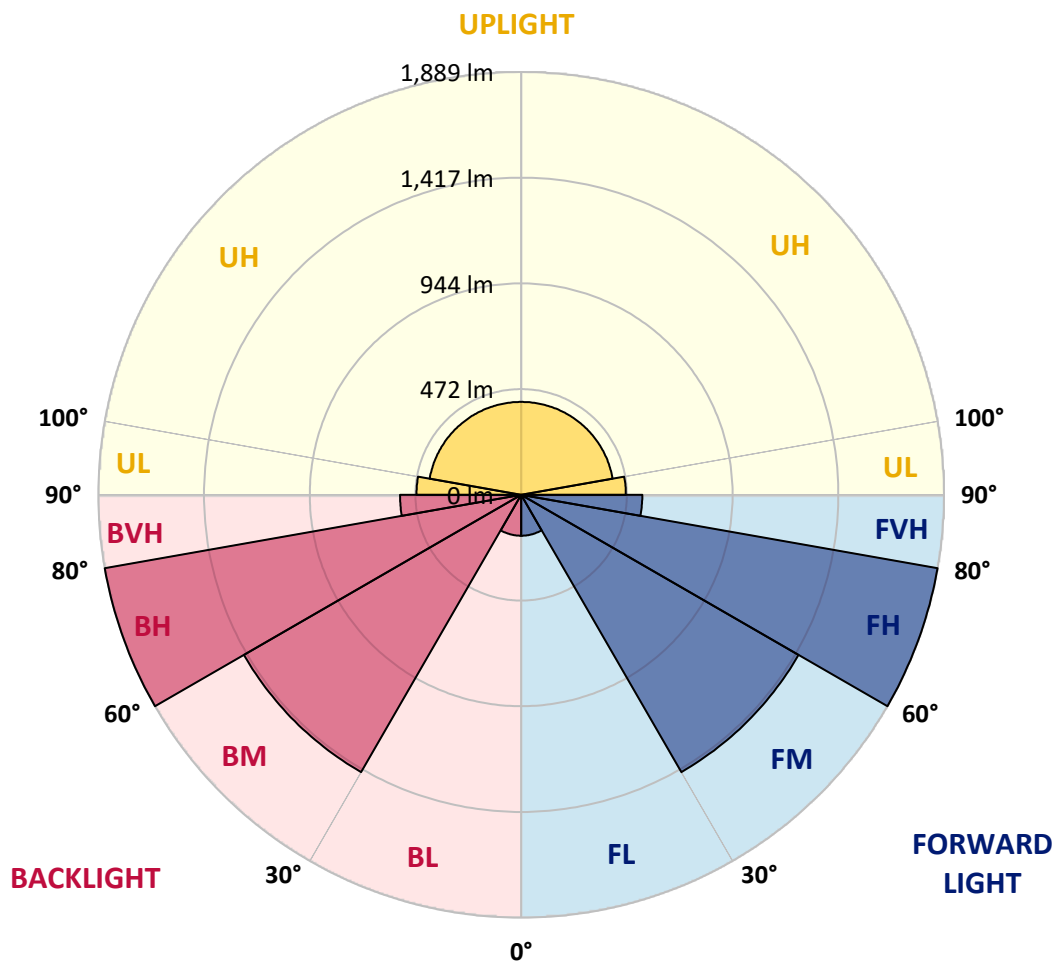
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.9	2.1			
FM (30°-60°)	1430.6	16.0			
FH (60°-80°)	1889.0	21.2			G2/5000
FVH (80°-90°)	541.3	6.1			G4/750
BL (0°-30°)	182.9	2.1	B1/500		
BM (30°-60°)	1430.6	16.0	B2/2500		
BH (60°-80°)	1889.0	21.2	B3/2500		G2/5000
BVH (80°-90°)	541.3	6.1			G4/750
UL (90°-100°)	467.7	5.2		U3/500	
UH (100°-180°)	415.1	4.7		U3/500	

BUG Rating: B3-U3-G4

Type V Medium





REPORT NUMBER: P413774

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-5WQ-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7	228.7
2.5°	230.7	229.7	230.7	230.7	231.7	231.7	231.7	231.7	230.7	230.7	230.7
5°	238.6	238.6	238.6	238.6	239.6	239.6	239.6	238.6	238.6	238.6	238.6
7.5°	253.5	252.6	253.5	252.6	252.6	251.6	252.6	251.6	250.6	250.6	250.6
10°	272.4	272.4	272.4	271.4	271.4	271.4	269.5	269.5	269.5	270.5	269.5
12.5°	303.3	301.3	301.3	297.3	295.3	294.3	293.3	293.3	296.3	296.3	294.3
15°	339.1	338.1	338.1	333.1	329.1	323.1	324.1	328.1	328.1	330.1	329.1
17.5°	381.8	380.8	377.8	372.9	367.9	363.9	361.9	363.9	365.9	366.9	367.9
20°	428.5	427.6	423.6	418.6	413.6	411.6	404.7	407.7	409.7	411.6	410.6
22.5°	478.3	478.3	474.3	467.3	462.4	458.4	455.4	452.4	459.4	463.3	464.3
25°	538.9	536.9	530.0	522.0	516.0	513.1	509.1	509.1	514.1	522.0	524.0
27.5°	602.5	600.6	590.6	581.7	573.7	566.8	564.8	567.7	576.7	588.6	588.6
30°	673.1	669.2	660.2	646.3	633.4	626.4	628.4	633.4	646.3	660.2	659.2
32.5°	750.7	743.7	733.8	717.9	699.0	689.1	692.0	706.0	718.9	733.8	735.8
35°	833.2	832.2	816.3	795.4	771.6	755.7	761.6	780.5	800.4	821.3	824.3
37.5°	917.7	920.7	901.8	879.0	844.2	825.3	838.2	865.0	889.9	912.8	914.8
40°	1021.2	1018.2	999.3	965.5	923.7	902.8	913.8	951.5	983.4	1012.2	1014.2
42.5°	1127.5	1119.6	1103.7	1062.9	1007.2	988.3	1004.2	1047.0	1089.8	1113.6	1114.6
45°	1228.0	1230.9	1213.1	1164.3	1102.7	1073.8	1096.7	1147.4	1197.1	1223.0	1226.0
47.5°	1354.2	1346.3	1330.4	1267.7	1198.1	1169.3	1195.2	1256.8	1311.5	1335.4	1334.4
50°	1477.5	1472.6	1449.7	1384.1	1305.5	1270.7	1296.6	1372.1	1431.8	1452.7	1457.7
52.5°	1594.9	1592.9	1573.0	1500.4	1415.9	1373.1	1408.9	1487.5	1556.1	1577.0	1579.0
55°	1715.2	1709.2	1694.3	1618.7	1522.3	1474.6	1519.3	1606.8	1677.4	1697.3	1698.3
57.5°	1822.6	1826.5	1814.6	1735.1	1623.7	1578.0	1627.7	1725.1	1796.7	1815.6	1818.6
60°	1929.9	1930.9	1922.0	1844.4	1726.1	1674.4	1732.1	1833.5	1910.1	1927.0	1928.0
62.5°	2014.5	2016.5	2009.5	1925.0	1806.7	1756.9	1820.6	1926.0	2004.5	2016.5	2015.5
65°	2066.2	2072.1	2068.2	1991.6	1865.3	1819.6	1886.2	1996.6	2068.2	2075.1	2072.1
67.5°	2072.1	2079.1	2085.1	2015.5	1895.1	1846.4	1917.0	2022.4	2090.0	2093.0	2084.1
70°	2028.4	2035.3	2049.3	1991.6	1880.2	1839.5	1907.1	2001.5	2058.2	2054.2	2044.3
72.5°	1916.0	1930.9	1951.8	1913.0	1819.6	1785.8	1852.4	1928.0	1966.7	1951.8	1937.9
75°	1754.9	1769.9	1809.6	1787.8	1716.2	1697.3	1747.0	1803.7	1814.6	1792.7	1773.8
77.5°	1559.1	1578.0	1614.8	1631.7	1583.9	1565.0	1606.8	1636.6	1624.7	1577.0	1563.0
80°	1330.4	1360.2	1399.0	1425.8	1413.9	1407.9	1428.8	1425.8	1382.1	1344.3	1320.4
82.5°	1121.6	1127.5	1187.2	1221.0	1225.0	1227.0	1232.9	1197.1	1146.4	1095.7	1073.8
85°	916.7	918.7	968.5	1017.2	1036.1	1042.0	1031.1	983.4	930.7	874.0	859.1
87.5°	734.8	737.8	781.5	831.2	864.1	868.0	847.1	800.4	734.8	684.1	671.2
90°	580.7	590.6	634.4	675.1	709.9	715.9	686.1	636.4	575.7	527.0	519.0
92.5°	464.3	469.3	509.1	546.9	579.7	580.7	559.8	509.1	455.4	411.6	401.7
95°	372.9	376.8	408.7	443.5	470.3	476.3	452.4	407.7	357.9	320.2	318.2
97.5°	297.3	302.3	327.1	363.9	383.8	387.8	371.9	330.1	284.4	250.6	250.6
100°	238.6	241.6	263.5	294.3	315.2	319.2	303.3	266.5	226.7	196.9	194.9
102.5°	193.9	195.9	213.8	241.6	260.5	264.5	250.6	220.7	182.0	158.1	157.1
105°	159.1	160.1	174.0	199.9	217.8	220.7	207.8	182.0	147.2	127.3	126.3
107.5°	130.3	131.2	142.2	166.0	183.0	185.9	175.0	149.1	119.3	105.4	103.4
110°	109.4	110.4	118.3	137.2	154.1	158.1	147.2	124.3	98.4	86.5	86.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	92.5	93.5	99.4	115.3	130.3	135.2	124.3	103.4	82.5	73.6	72.6
115°	78.6	79.5	83.5	97.4	109.4	113.4	105.4	86.5	69.6	62.6	62.6
117.5°	68.6	69.6	71.6	82.5	93.5	96.4	88.5	72.6	58.7	54.7	54.7
120°	60.7	60.7	61.6	69.6	78.6	81.5	74.6	61.6	50.7	47.7	47.7
122.5°	52.7	52.7	53.7	59.7	66.6	68.6	62.6	51.7	43.7	42.8	41.8
125°	46.7	46.7	46.7	50.7	56.7	57.7	52.7	43.7	38.8	37.8	37.8
127.5°	40.8	40.8	40.8	42.8	46.7	47.7	43.7	36.8	33.8	32.8	32.8
130°	35.8	35.8	35.8	36.8	38.8	39.8	35.8	31.8	29.8	29.8	29.8
132.5°	31.8	31.8	30.8	30.8	31.8	31.8	29.8	26.8	25.9	25.9	25.9
135°	27.8	27.8	26.8	25.9	25.9	24.9	22.9	21.9	22.9	22.9	22.9
137.5°	23.9	23.9	22.9	21.9	20.9	19.9	18.9	17.9	18.9	19.9	19.9
140°	19.9	19.9	18.9	16.9	15.9	14.9	13.9	14.9	15.9	16.9	16.9
142.5°	15.9	15.9	15.9	13.9	11.9	10.9	10.9	11.9	12.9	13.9	13.9
145°	12.9	12.9	11.9	10.9	8.9	8.0	8.0	8.9	10.9	10.9	10.9
147.5°	9.9	9.9	8.9	8.0	6.0	5.0	6.0	7.0	8.0	8.9	8.9
150°	7.0	7.0	7.0	6.0	4.0	4.0	4.0	5.0	6.0	6.0	6.0
152.5°	4.0	4.0	4.0	4.0	3.0	2.0	3.0	4.0	4.0	4.0	4.0
155°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
157.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	1.0	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
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)