

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: P417206

Luminaire Tested: **LXF.LXT-PA1-90-750-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417206
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-PA1-90-750-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA 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: 9670 lumens
Efficiency: N/A
Efficacy: 102.9 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 - U4 - G4

Input Watts (W): 94
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

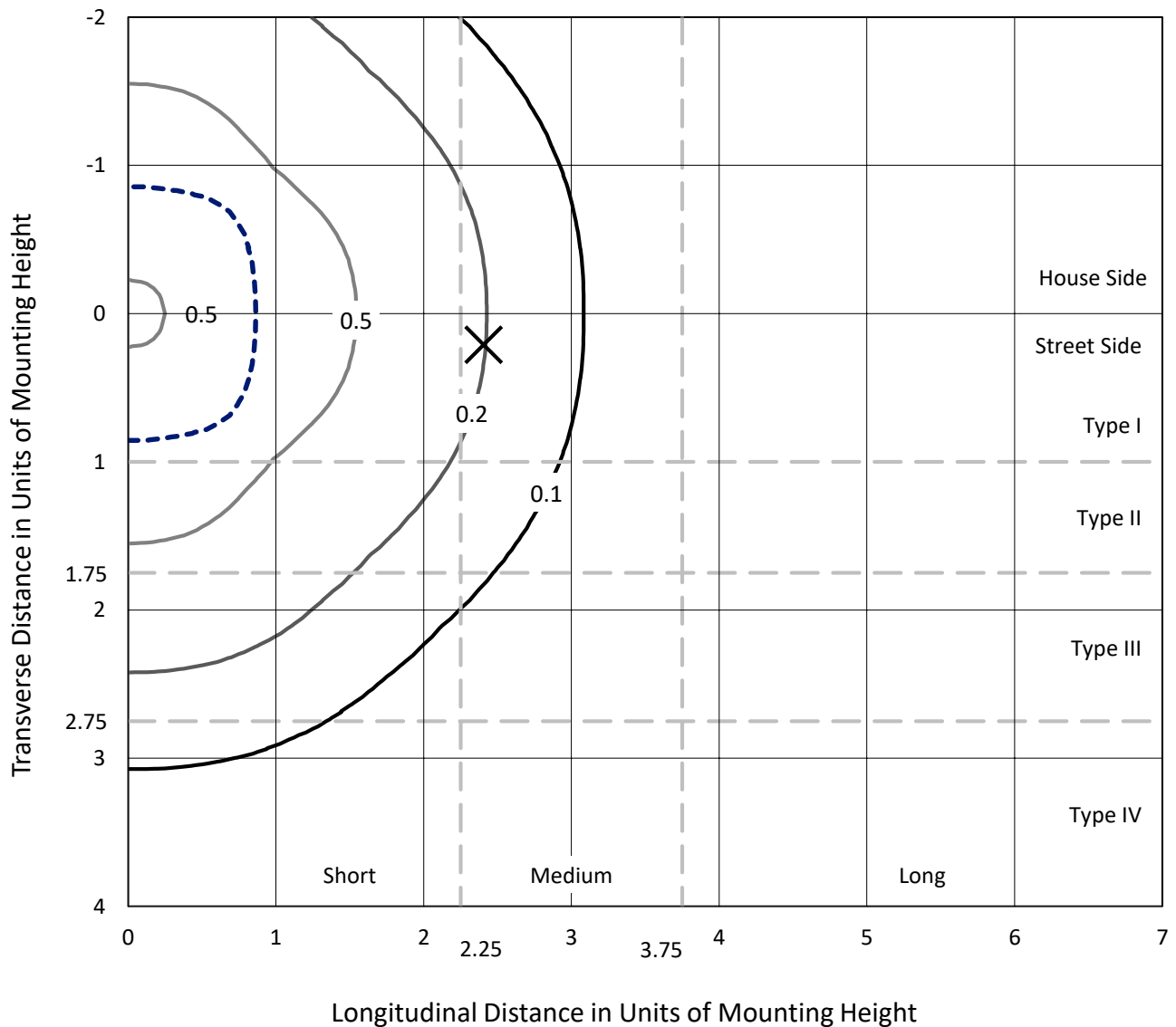


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Iso-Footcandle Lines of Horizontal Illumination

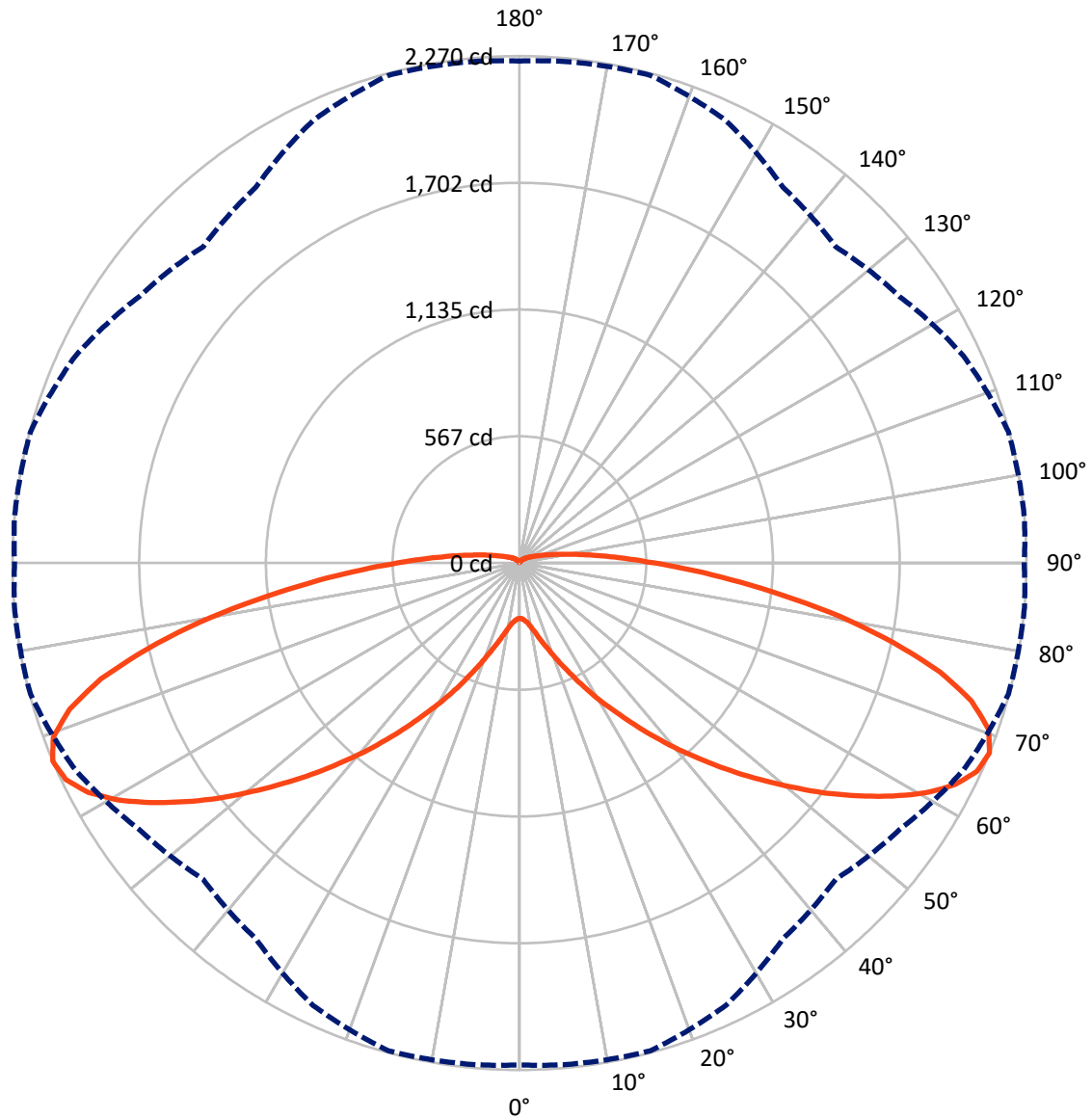
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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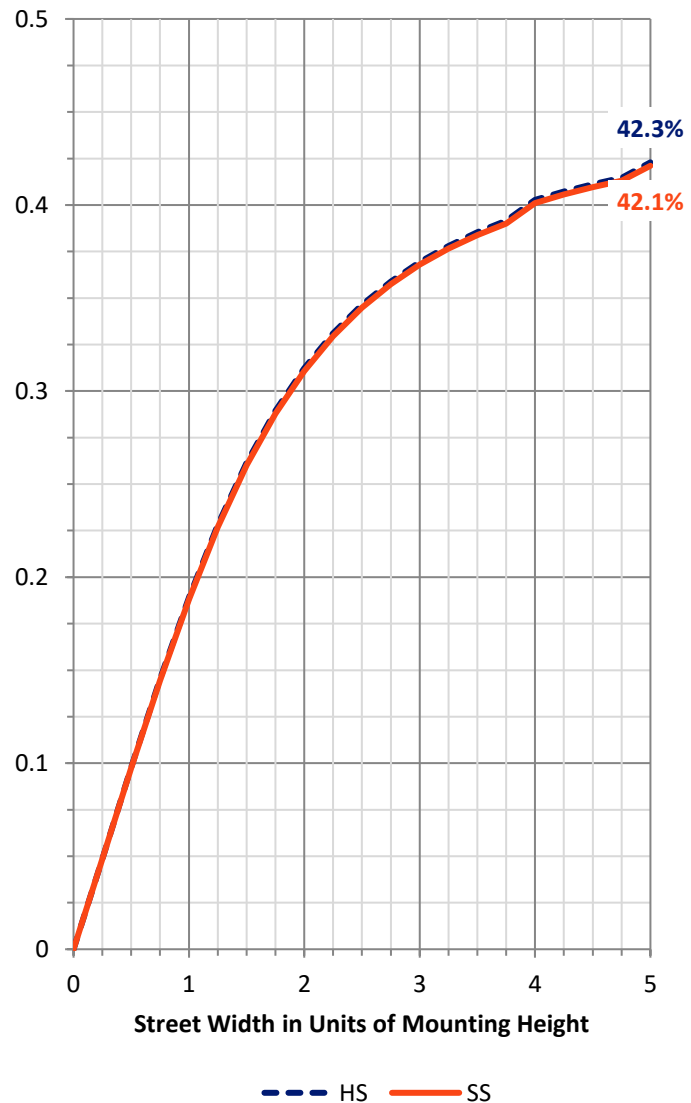
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4384.9	450.1	4835.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	4384.9	450.1	4835.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	8769.8	900.2	9670.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	0.3
10°-20°	105.1	1.1
20°-30°	265.8	2.7
30°-40°	547.0	5.7
40°-50°	983.4	10.2
50°-60°	1572.0	16.3
60°-70°	2103.4	21.8
70°-80°	1993.1	20.6
80°-90°	1173.9	12.1
90°-100°	507.1	5.2
100°-110°	216.0	2.2
110°-120°	99.5	1.0
120°-130°	47.6	0.5
130°-140°	21.3	0.2
140°-150°	7.3	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8769.8	90.7
0°-180°	9670.0	100.0



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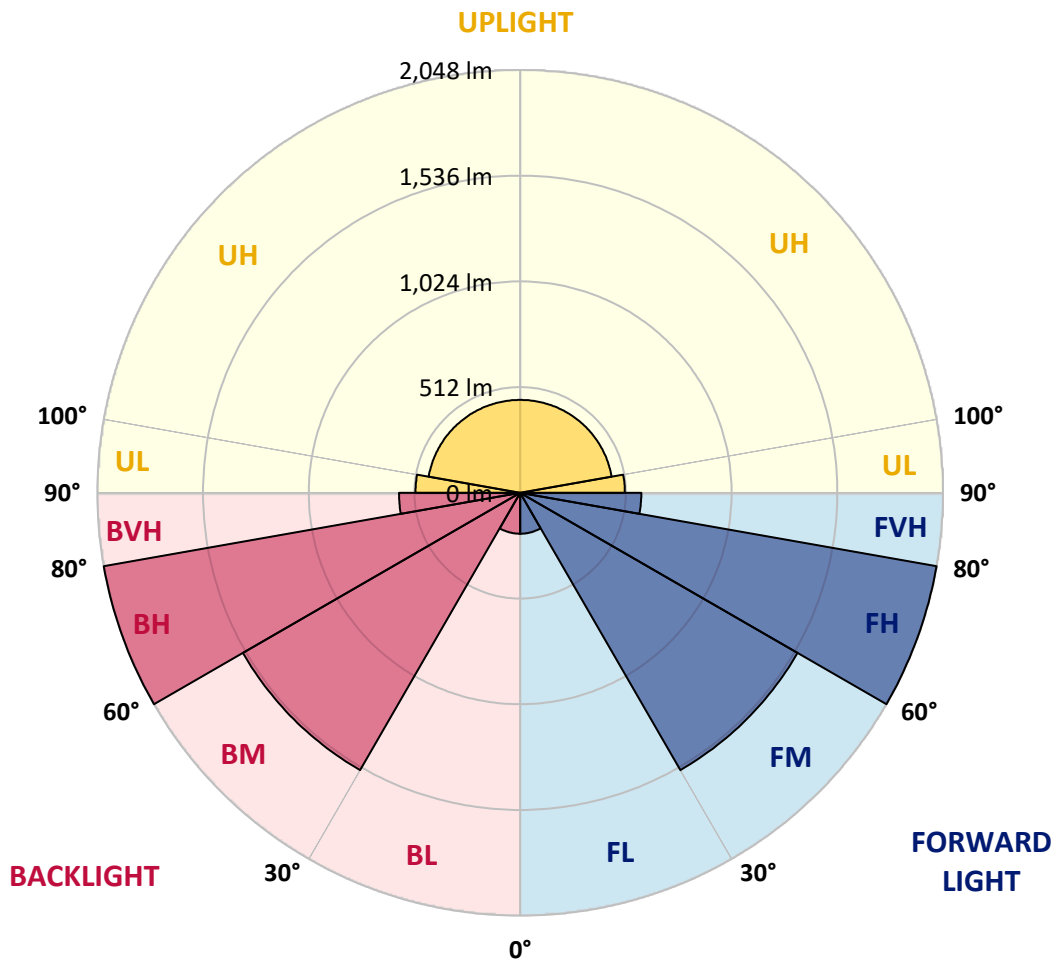
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	198.4	2.1			
FM	(30°-60°)	1551.3	16.0			
FH	(60°-80°)	2048.3	21.2			G2/5000
FVH	(80°-90°)	587.0	6.1			G4/750
BL	(0°-30°)	198.4	2.1	B1/500		
BM	(30°-60°)	1551.3	16.0	B2/2500		
BH	(60°-80°)	2048.3	21.2	B3/2500		G2/5000
BVH	(80°-90°)	587.0	6.1			G4/750
UL	(90°-100°)	507.1	5.2		U4/1000	
UH	(100°-180°)	450.1	4.7		U3/500	

BUG Rating: B3-U4-G4

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0	248.0
2.5°	250.1	249.1	250.1	250.1	251.2	251.2	251.2	251.2	250.1	250.1	250.1
5°	258.8	258.8	258.8	258.8	259.8	259.8	259.8	258.8	258.8	258.8	258.8
7.5°	274.9	273.8	274.9	273.8	273.8	272.8	273.8	272.8	271.7	271.7	271.7
10°	295.4	295.4	295.4	294.3	294.3	294.3	292.2	292.2	292.2	293.3	292.2
12.5°	328.8	326.7	326.7	322.4	320.2	319.1	318.1	318.1	321.3	321.3	319.1
15°	367.6	366.6	366.6	361.2	356.9	350.4	351.5	355.8	355.8	357.9	356.9
17.5°	414.0	412.9	409.7	404.3	398.9	394.6	392.4	394.6	396.8	397.8	398.9
20°	464.7	463.6	459.3	453.9	448.5	446.4	438.8	442.0	444.2	446.4	445.3
22.5°	518.6	518.6	514.3	506.7	501.3	497.0	493.8	490.6	498.1	502.4	503.5
25°	584.4	582.2	574.7	566.0	559.6	556.3	552.0	552.0	557.4	566.0	568.2
27.5°	653.4	651.2	640.4	630.7	622.1	614.5	612.4	615.6	625.3	638.3	638.3
30°	729.9	725.6	715.9	700.8	686.8	679.2	681.4	686.8	700.8	715.9	714.8
32.5°	814.0	806.5	795.7	778.4	757.9	747.2	750.4	765.5	779.5	795.7	797.8
35°	903.5	902.4	885.2	862.5	836.6	819.4	825.9	846.3	867.9	890.6	893.8
37.5°	995.1	998.4	977.9	953.1	915.3	894.9	908.9	938.0	964.9	989.7	991.9
40°	1107.3	1104.0	1083.5	1046.9	1001.6	979.0	990.8	1031.8	1066.3	1097.6	1099.7
42.5°	1222.6	1214.0	1196.7	1152.5	1092.2	1071.7	1088.9	1135.3	1181.7	1207.5	1208.6
45°	1331.5	1334.7	1315.3	1262.5	1195.7	1164.4	1189.2	1244.2	1298.1	1326.1	1329.4
47.5°	1468.4	1459.8	1442.6	1374.6	1299.2	1267.9	1295.9	1362.8	1422.1	1448.0	1446.9
50°	1602.1	1596.7	1571.9	1500.8	1415.6	1377.9	1405.9	1487.8	1552.5	1575.2	1580.6
52.5°	1729.4	1727.2	1705.6	1626.9	1535.3	1488.9	1527.7	1612.9	1687.3	1709.9	1712.1
55°	1859.8	1853.3	1837.2	1755.2	1650.6	1598.9	1647.4	1742.3	1818.8	1840.4	1841.5
57.5°	1976.2	1980.6	1967.6	1881.4	1760.6	1711.0	1764.9	1870.6	1948.2	1968.7	1971.9
60°	2092.7	2093.8	2084.1	2000.0	1871.7	1815.6	1878.1	1988.1	2071.1	2089.5	2090.5
62.5°	2184.3	2186.5	2178.9	2087.3	1959.0	1905.1	1974.1	2088.4	2173.5	2186.5	2185.4
65°	2240.4	2246.9	2242.5	2159.5	2022.6	1973.0	2045.2	2164.9	2242.5	2250.1	2246.9
67.5°	2246.9	2254.4	2260.9	2185.4	2055.0	2002.1	2078.7	2193.0	2266.3	2269.5	2259.8
70°	2199.4	2207.0	2222.1	2159.5	2038.8	1994.6	2067.9	2170.3	2231.8	2227.5	2216.7
72.5°	2077.6	2093.8	2116.4	2074.4	1973.0	1936.4	2008.6	2090.5	2132.6	2116.4	2101.3
75°	1902.9	1919.1	1962.2	1938.5	1860.9	1840.4	1894.3	1955.8	1967.6	1943.9	1923.4
77.5°	1690.5	1711.0	1750.9	1769.2	1717.5	1697.0	1742.3	1774.6	1761.7	1709.9	1694.8
80°	1442.6	1474.9	1517.0	1546.1	1533.1	1526.7	1549.3	1546.1	1498.6	1457.7	1431.8
82.5°	1216.2	1222.6	1287.3	1324.0	1328.3	1330.4	1336.9	1298.1	1243.1	1188.1	1164.4
85°	994.1	996.2	1050.1	1102.9	1123.4	1129.9	1118.0	1066.3	1009.1	947.7	931.5
87.5°	796.8	800.0	847.4	901.3	936.9	941.2	918.6	867.9	796.8	741.8	727.8
90°	629.6	640.4	687.9	732.1	769.8	776.3	743.9	690.0	624.2	571.4	562.8
92.5°	503.5	508.9	552.0	593.0	628.6	629.6	607.0	552.0	493.8	446.4	435.6
95°	404.3	408.6	443.1	480.9	510.0	516.4	490.6	442.0	388.1	347.2	345.0
97.5°	322.4	327.8	354.7	394.6	416.2	420.5	403.2	357.9	308.4	271.7	271.7
100°	258.8	262.0	285.7	319.1	341.8	346.1	328.8	288.9	245.8	213.5	211.3
102.5°	210.2	212.4	231.8	262.0	282.5	286.8	271.7	239.3	197.3	171.4	170.3
105°	172.5	173.6	188.7	216.7	236.1	239.3	225.3	197.3	159.6	138.0	136.9
107.5°	141.2	142.3	154.2	180.1	198.4	201.6	189.8	161.7	129.4	114.3	112.1
110°	118.6	119.7	128.3	148.8	167.1	171.4	159.6	134.8	106.7	93.8	93.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	100.3	101.3	107.8	125.1	141.2	146.6	134.8	112.1	89.5	79.8	78.7
115°	85.2	86.3	90.6	105.7	118.6	122.9	114.3	93.8	75.5	67.9	67.9
117.5°	74.4	75.5	77.6	89.5	101.3	104.6	96.0	78.7	63.6	59.3	59.3
120°	65.8	65.8	66.8	75.5	85.2	88.4	80.9	66.8	55.0	51.8	51.8
122.5°	57.1	57.1	58.2	64.7	72.2	74.4	67.9	56.1	47.4	46.4	45.3
125°	50.7	50.7	50.7	55.0	61.5	62.5	57.1	47.4	42.0	41.0	41.0
127.5°	44.2	44.2	44.2	46.4	50.7	51.8	47.4	39.9	36.7	35.6	35.6
130°	38.8	38.8	38.8	39.9	42.0	43.1	38.8	34.5	32.3	32.3	32.3
132.5°	34.5	34.5	33.4	33.4	34.5	34.5	32.3	29.1	28.0	28.0	28.0
135°	30.2	30.2	29.1	28.0	28.0	27.0	24.8	23.7	24.8	24.8	24.8
137.5°	25.9	25.9	24.8	23.7	22.6	21.6	20.5	19.4	20.5	21.6	21.6
140°	21.6	21.6	20.5	18.3	17.3	16.2	15.1	16.2	17.3	18.3	18.3
142.5°	17.3	17.3	17.3	15.1	12.9	11.9	11.9	12.9	14.0	15.1	15.1
145°	14.0	14.0	12.9	11.9	9.7	8.6	8.6	9.7	11.9	11.9	11.9
147.5°	10.8	10.8	9.7	8.6	6.5	5.4	6.5	7.5	8.6	9.7	9.7
150°	7.5	7.5	7.5	6.5	4.3	4.3	4.3	5.4	6.5	6.5	6.5
152.5°	4.3	4.3	4.3	4.3	3.2	2.2	3.2	4.3	4.3	4.3	4.3
155°	3.2	3.2	3.2	3.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2
157.5°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
160°	0.0	0.0	1.1	1.1	2.2	2.2	2.2	2.2	1.1	1.1	1.1
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)