

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: P1210423

Luminaire Tested: **ARCH3-120-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-120-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 965mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

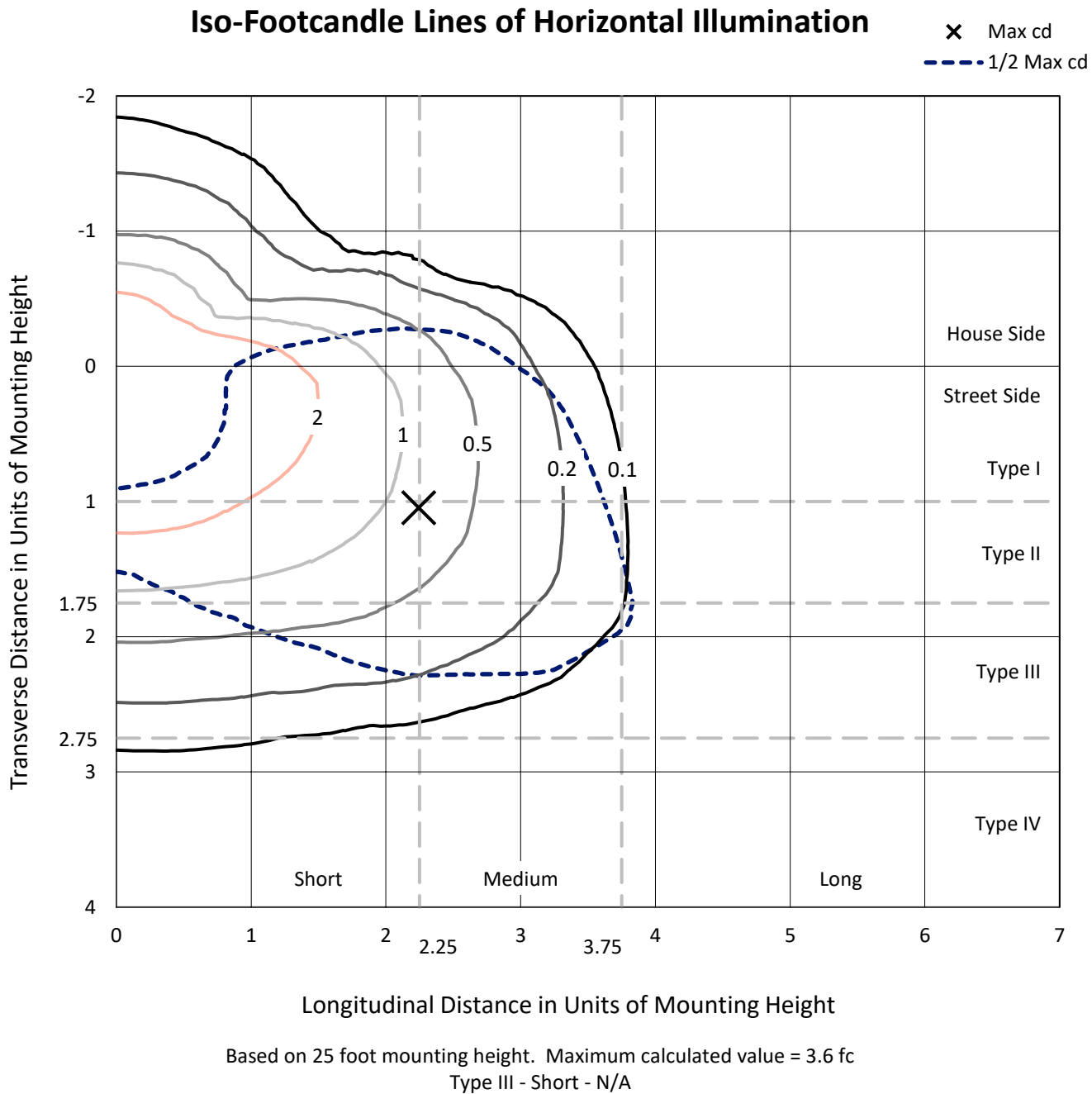
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15546 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 122.7
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: 24 FT

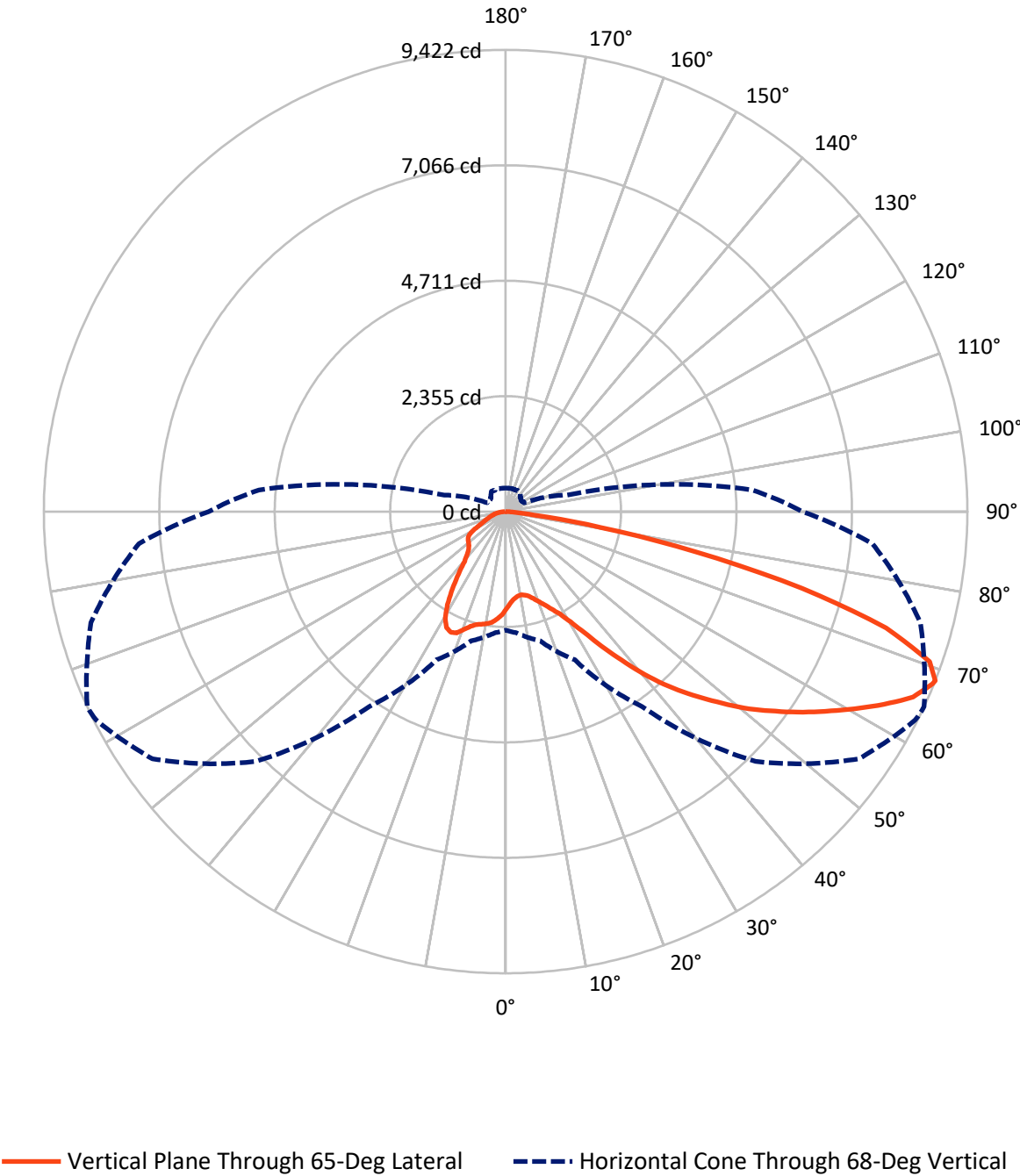


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Luminous Intensity Polar Plot



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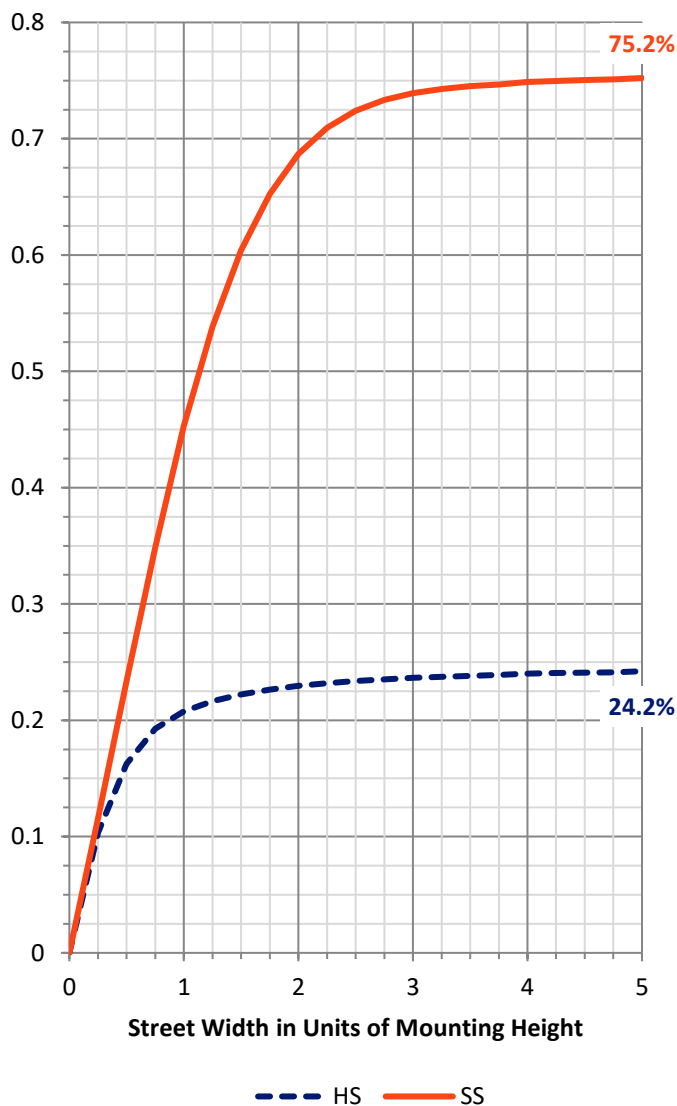
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3811.4	0.0	3811.4
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	11734.6	0.0	11734.6
	% Fixture	75.5	0.0	75.5
Total	Lumens	15546.0	0.0	15546.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.9	1.2
10°-20°	618.2	4.0
20°-30°	1118.8	7.2
30°-40°	1760.1	11.3
40°-50°	2621.4	16.9
50°-60°	3438.8	22.1
60°-70°	3760.5	24.2
70°-80°	1860.8	12.0
80°-90°	177.5	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	15546.0	100.0
0°-180°	15546.0	100.0

Coefficient of Utilization



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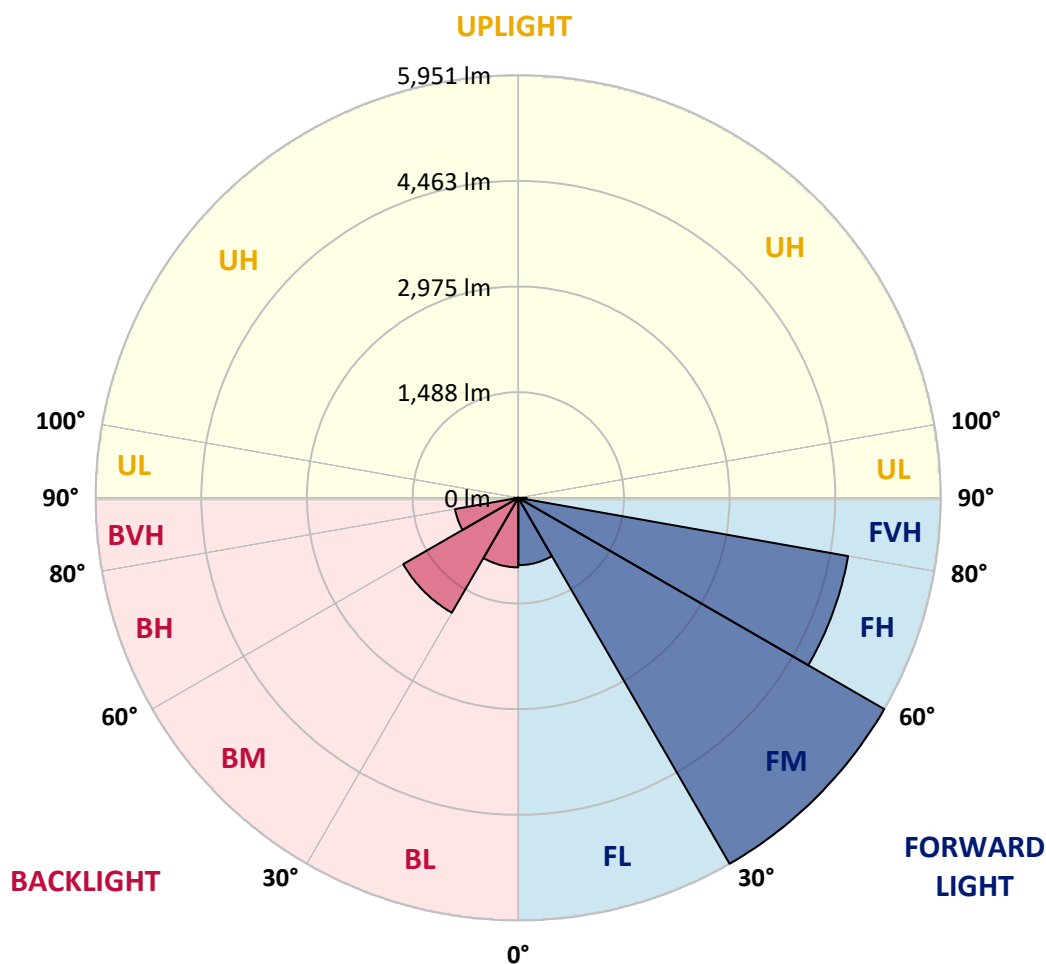
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	947.7	6.1			
FM	(30°-60°)	5950.8	38.3			
FH	(60°-80°)	4716.7	30.3			G2/5000
FVH	(80°-90°)	119.4	0.8			G2/225
BL	(0°-30°)	979.2	6.3	B2/1000		
BM	(30°-60°)	1869.5	12.0	B2/2500		
BH	(60°-80°)	904.6	5.8	B2/1000		G2/1000
BVH	(80°-90°)	58.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6
2.5°	1734.0	1730.0	1740.0	1750.0	1772.1	1798.2	1834.2	1864.3	1868.3	1924.4	1968.5
5°	1631.8	1625.8	1635.8	1647.8	1657.8	1689.9	1728.0	1772.1	1790.1	1872.3	1966.5
7.5°	1641.8	1639.8	1643.8	1639.8	1639.8	1653.8	1679.9	1724.0	1744.0	1842.3	1976.6
10°	1699.9	1703.9	1705.9	1693.9	1681.9	1675.9	1683.9	1714.0	1728.0	1844.3	2020.7
12.5°	1796.1	1802.2	1804.2	1782.1	1766.1	1740.0	1726.0	1738.0	1748.0	1864.3	2082.8
15°	1926.5	1930.5	1916.4	1902.4	1862.3	1830.2	1796.1	1786.1	1790.1	1906.4	2153.0
17.5°	2078.8	2072.8	2072.8	2038.7	1986.6	1936.5	1880.3	1872.3	1872.3	1974.6	2253.2
20°	2245.2	2251.2	2233.2	2187.1	2134.9	2056.8	2000.6	1964.5	1968.5	2052.7	2375.5
22.5°	2485.7	2495.8	2447.7	2381.5	2301.3	2211.1	2130.9	2072.8	2074.8	2155.0	2501.8
25°	2744.3	2748.3	2718.3	2630.1	2521.8	2393.5	2287.3	2213.1	2211.1	2269.2	2664.2
27.5°	3009.0	3027.0	2966.9	2882.7	2782.4	2622.1	2481.7	2381.5	2365.5	2443.6	2866.6
30°	3281.6	3303.6	3245.5	3163.3	3039.0	2902.7	2736.3	2620.1	2610.0	2714.3	3137.2
32.5°	3556.2	3562.2	3516.1	3448.0	3335.7	3207.4	3073.1	2944.8	2934.8	3105.2	3488.1
35°	3780.7	3798.8	3766.7	3750.7	3668.5	3550.2	3419.9	3345.7	3371.8	3590.3	3943.1
37.5°	4051.4	4069.4	4033.3	4029.3	4003.2	3901.0	3810.8	3816.8	3842.9	4139.6	4422.2
40°	4442.3	4462.3	4370.1	4330.0	4330.0	4229.8	4199.7	4342.0	4376.1	4680.8	4921.4
42.5°	4773.0	4805.1	4751.0	4724.9	4646.7	4576.6	4612.7	4813.1	4871.3	5198.0	5356.4
45°	4933.4	4957.5	5021.6	5097.8	5021.6	4899.3	5035.6	5262.2	5344.3	5675.1	5791.4
47.5°	5019.6	5041.6	5115.8	5320.3	5372.4	5270.2	5462.6	5745.3	5801.4	6148.2	6206.3
50°	5031.6	5101.8	5198.0	5402.5	5641.0	5655.1	5891.6	6236.4	6302.6	6613.3	6571.2
52.5°	4933.4	4961.5	5159.9	5504.7	5769.3	6009.9	6358.7	6707.5	6755.6	7050.3	6893.9
55°	4773.0	4813.1	5011.6	5480.7	5893.6	6346.7	6833.8	7170.6	7224.7	7475.3	7192.6
57.5°	4628.7	4648.7	4861.2	5410.5	6017.9	6683.4	7256.8	7653.7	7689.8	7848.1	7413.1
60°	4468.3	4490.4	4702.9	5260.2	6110.1	6938.0	7697.8	8140.8	8172.9	8241.0	7669.7
62.5°	4053.4	4111.5	4378.1	5011.6	6086.1	7228.7	8168.9	8621.9	8662.0	8587.8	7872.2
65°	3291.6	3373.8	3700.5	4448.3	5861.5	7417.1	8553.8	9064.9	9133.1	8848.4	7926.3
67.5°	2555.9	2614.0	2876.6	3530.2	5073.7	7322.9	8802.3	9369.6	9389.7	8806.3	7625.6
68°	2423.6	2481.7	2732.3	3337.7	4855.2	7210.7	8796.3	9377.7	9421.8	8760.2	7509.3
70°	1854.3	1920.4	2159.0	2644.1	3913.0	6497.0	8429.5	9185.2	9179.2	8203.0	6787.7
72.5°	1158.7	1196.8	1361.1	1667.9	2588.0	4943.4	7154.5	8100.7	8116.8	6687.5	5206.0
75°	735.7	735.7	727.7	807.9	1327.1	2816.5	5318.3	6236.4	6248.4	4682.8	3281.6
77.5°	639.5	621.4	535.2	453.0	529.2	1094.5	3147.3	4027.3	3961.2	2521.8	1557.6
80°	539.2	509.2	439.0	364.8	340.8	342.8	1208.8	2044.7	1956.5	908.1	517.2
82.5°	388.9	362.8	330.8	286.7	262.6	204.5	252.6	591.4	577.3	262.6	168.4
85°	210.5	190.4	186.4	188.4	158.4	126.3	106.2	130.3	130.3	114.3	96.2
87.5°	74.2	54.1	64.1	72.2	62.1	52.1	42.1	50.1	52.1	50.1	46.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6	1986.6
2.5°	1994.6	2014.7	2062.8	2104.9	2134.9	2161.0	2175.0	2181.0	2195.1	2197.1	2193.1
5°	2010.6	2062.8	2134.9	2197.1	2231.2	2245.2	2249.2	2251.2	2245.2	2249.2	2245.2
7.5°	2052.7	2118.9	2221.1	2275.3	2281.3	2259.2	2261.2	2253.2	2261.2	2269.2	2269.2
10°	2116.9	2201.1	2297.3	2317.4	2291.3	2279.3	2303.3	2351.4	2367.5	2389.5	2389.5
12.5°	2201.1	2301.3	2369.5	2351.4	2327.4	2367.5	2437.6	2485.7	2501.8	2509.8	2503.8
15°	2297.3	2405.6	2439.6	2379.5	2423.6	2509.8	2533.9	2505.8	2465.7	2447.7	2457.7
17.5°	2419.6	2509.8	2489.8	2449.7	2549.9	2561.9	2483.7	2393.5	2329.4	2305.3	2321.4
20°	2547.9	2626.1	2533.9	2551.9	2614.0	2485.7	2337.4	2221.1	2165.0	2155.0	2171.0
22.5°	2684.2	2734.3	2578.0	2670.2	2578.0	2317.4	2138.9	2078.8	2064.8	2080.8	2094.8
25°	2838.6	2832.5	2654.1	2706.3	2443.6	2110.9	2004.6	2000.6	2000.6	2010.6	2030.7
27.5°	3013.0	2918.7	2730.3	2658.1	2211.1	1940.5	1920.4	1922.4	1916.4	1918.4	1928.5
30°	3215.4	3035.0	2814.5	2499.8	1950.5	1812.2	1804.2	1798.2	1784.1	1780.1	1784.1
32.5°	3470.0	3157.3	2900.7	2239.2	1722.0	1679.9	1675.9	1643.8	1609.7	1605.7	1619.7
35°	3792.8	3379.8	2944.8	1912.4	1533.5	1531.5	1517.5	1467.4	1423.3	1423.3	1413.3
37.5°	4161.6	3666.5	2962.8	1593.7	1377.2	1387.2	1347.1	1283.0	1248.9	1228.8	1234.9
40°	4538.5	3993.2	2960.8	1315.0	1240.9	1242.9	1212.8	1134.6	1050.4	1000.3	1012.3
42.5°	4901.3	4289.9	2908.7	1166.7	1130.6	1124.6	1100.5	994.3	924.1	884.0	886.0
45°	5192.0	4596.6	2828.5	1078.5	1030.4	1040.4	986.3	922.1	858.0	821.9	819.9
47.5°	5482.7	4829.2	2700.2	1024.4	956.2	938.2	916.1	872.0	823.9	783.8	785.8
50°	5747.3	5027.6	2580.0	988.3	888.1	841.9	846.0	819.9	777.8	741.7	739.7
52.5°	5933.7	5157.9	2513.8	968.2	805.9	755.7	769.8	755.7	715.7	689.6	687.6
55°	6120.1	5258.1	2535.9	942.2	715.7	675.6	699.6	695.6	673.6	665.5	667.5
57.5°	6270.5	5334.3	2614.0	894.1	629.5	605.4	645.5	633.5	617.4	619.4	619.4
60°	6416.8	5432.6	2706.3	783.8	555.3	557.3	595.4	573.3	563.3	581.3	583.3
62.5°	6569.2	5538.8	2630.1	623.4	491.1	505.2	549.3	531.2	535.2	561.3	569.3
65°	6551.1	5528.8	2143.0	511.2	435.0	463.1	529.2	523.2	525.2	535.2	539.2
67.5°	6182.3	5176.0	1473.4	435.0	394.9	429.0	513.2	489.1	491.1	485.1	487.1
68°	6058.0	5051.7	1299.0	423.0	386.9	421.0	505.2	483.1	485.1	479.1	477.1
70°	5380.4	4326.0	821.9	372.9	358.8	398.9	465.1	457.1	455.1	451.0	451.0
72.5°	4101.5	3193.4	433.0	322.7	326.8	364.8	415.0	431.0	421.0	423.0	435.0
75°	2716.3	1920.4	300.7	276.6	286.7	312.7	368.9	400.9	390.9	396.9	390.9
77.5°	1437.3	1034.4	240.6	234.5	234.5	252.6	304.7	354.8	354.8	350.8	344.8
80°	471.1	364.8	192.4	184.4	188.4	198.5	244.6	290.7	296.7	288.7	284.7
82.5°	158.4	168.4	144.3	134.3	138.3	146.3	184.4	222.5	224.5	208.5	204.5
85°	98.2	112.3	90.2	88.2	88.2	90.2	112.3	122.3	112.3	100.2	104.2
87.5°	46.1	56.1	42.1	36.1	30.1	26.1	20.0	8.0	8.0	4.0	4.0
90°	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)