

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: P1210391

Luminaire Tested: **ARCH3-110-722-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210391
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: ARCH3-110-722-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 880mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14420 lumens
Efficiency: N/A
Efficacy: 128.9 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

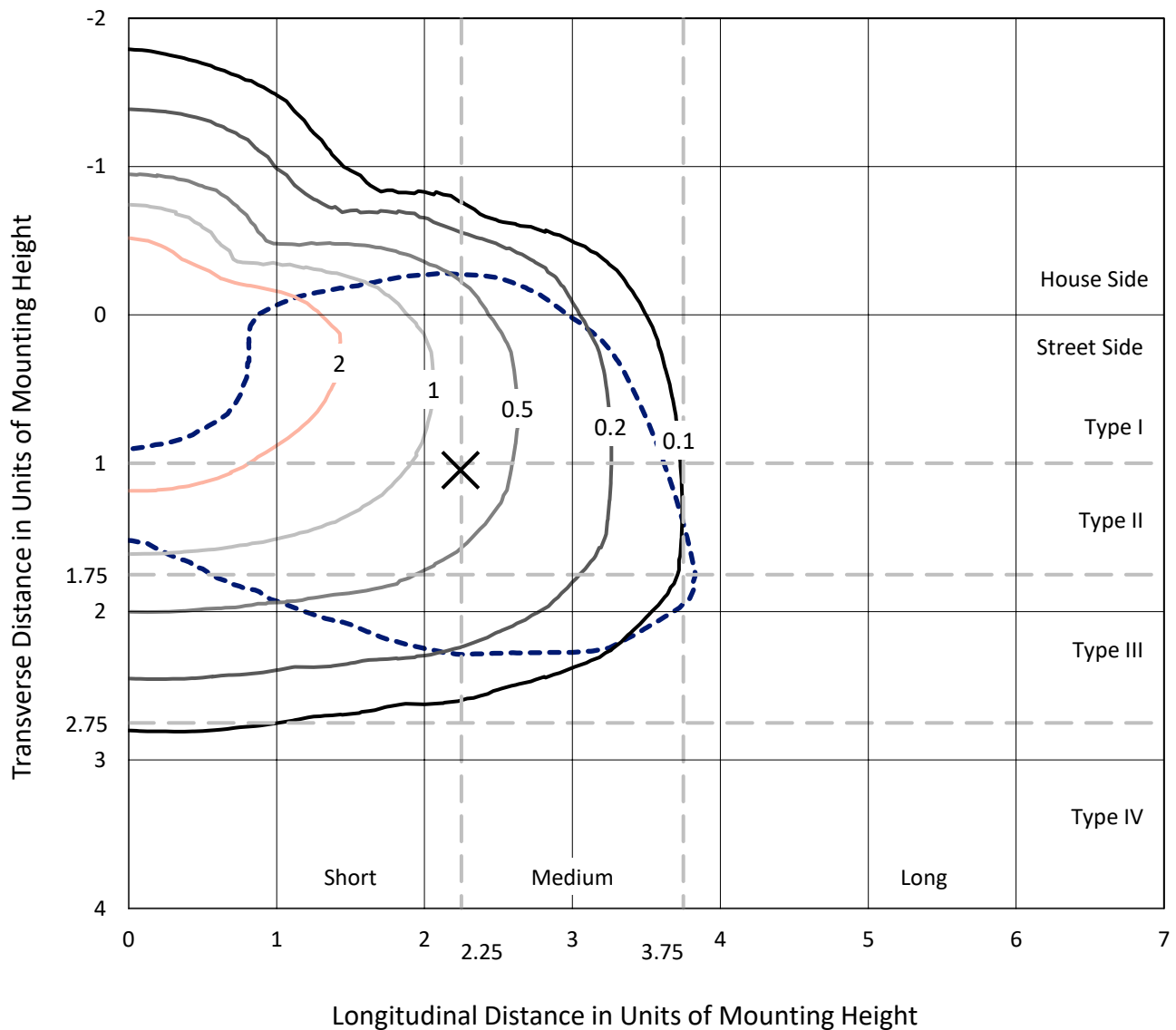
Input Watts (W): 111.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

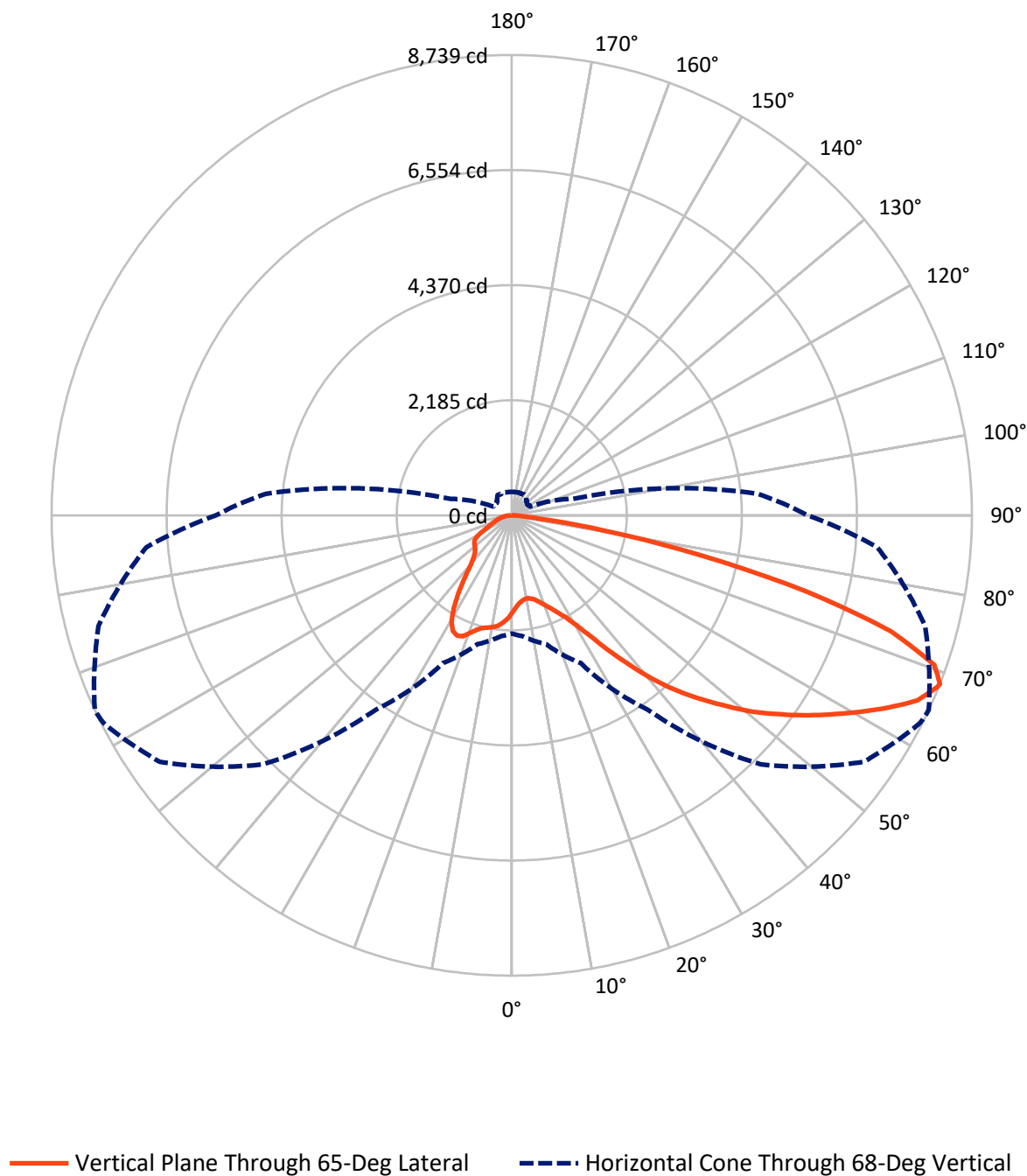
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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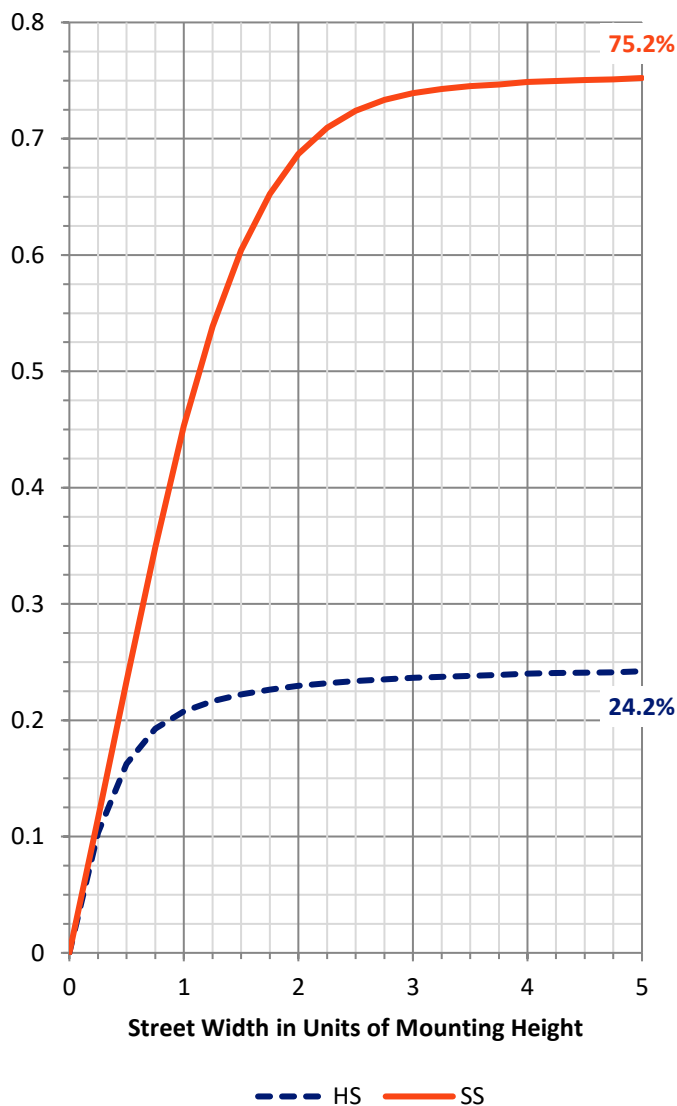
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3535.4	0.0	3535.4
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	10884.6	0.0	10884.6
	% Fixture	75.5	0.0	75.5
Total	Lumens	14420.0	0.0	14420.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.1	1.2
10°-20°	573.4	4.0
20°-30°	1037.8	7.2
30°-40°	1632.6	11.3
40°-50°	2431.6	16.9
50°-60°	3189.7	22.1
60°-70°	3488.2	24.2
70°-80°	1726.0	12.0
80°-90°	164.6	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°	14420.0	100.0
0°-180°	14420.0	100.0

Coefficient of Utilization



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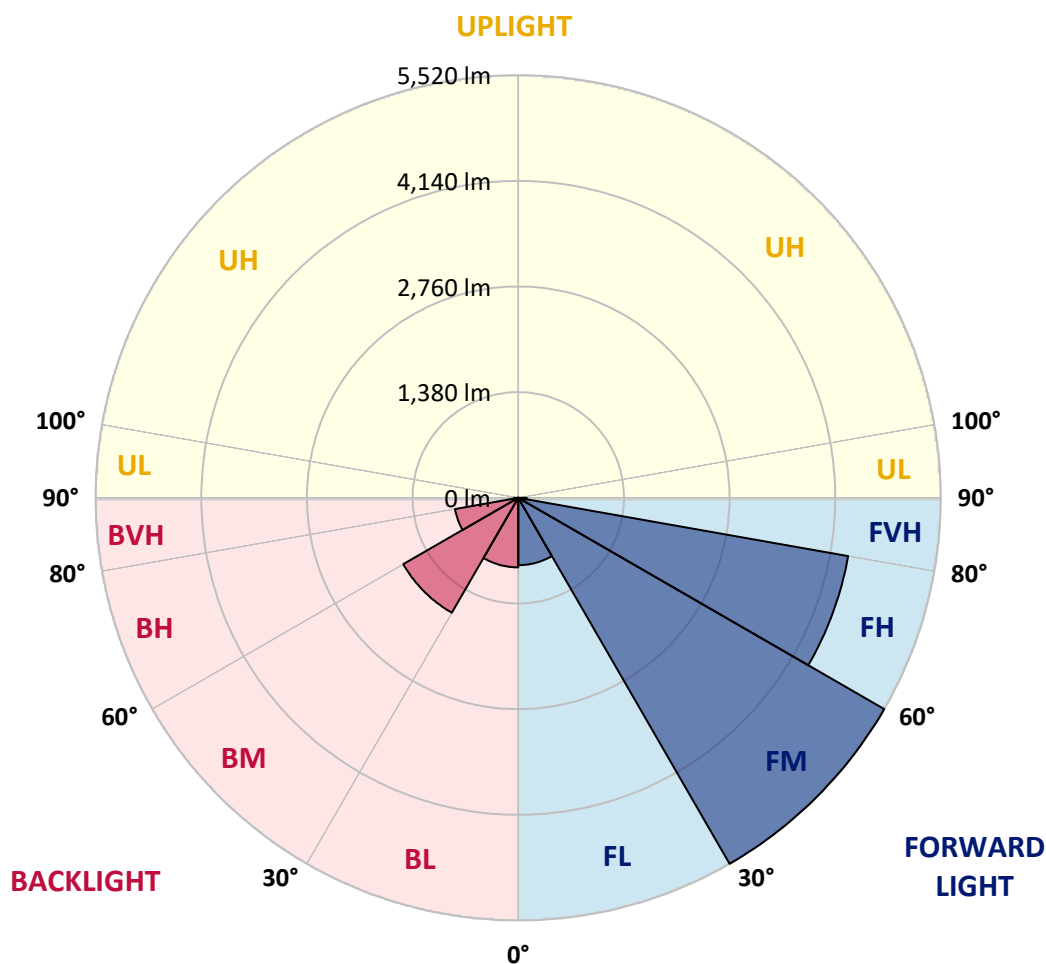
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	879.1	6.1			
FM	(30°-60°)	5519.8	38.3			
FH	(60°-80°)	4375.1	30.3			G2/5000
FVH	(80°-90°)	110.7	0.8			G2/225
BL	(0°-30°)	908.3	6.3	B2/1000		
BM	(30°-60°)	1734.1	12.0	B2/2500		
BH	(60°-80°)	839.1	5.8	B2/1000		G2/1000
BVH	(80°-90°)	53.9	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°	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7
2.5°	1608.4	1604.7	1614.0	1623.3	1643.7	1667.9	1701.4	1729.3	1733.0	1785.1	1826.0
5°	1513.6	1508.0	1517.3	1528.5	1537.8	1567.5	1602.8	1643.7	1660.5	1736.7	1824.1
7.5°	1522.9	1521.0	1524.7	1521.0	1521.0	1534.0	1558.2	1599.1	1617.7	1708.8	1833.4
10°	1576.8	1580.5	1582.4	1571.2	1560.1	1554.5	1561.9	1589.8	1602.8	1710.7	1874.3
12.5°	1666.1	1671.6	1673.5	1653.0	1638.2	1614.0	1601.0	1612.1	1621.4	1729.3	1932.0
15°	1786.9	1790.6	1777.6	1764.6	1727.4	1697.7	1666.1	1656.8	1660.5	1768.3	1997.0
17.5°	1928.2	1922.7	1922.7	1891.0	1842.7	1796.2	1744.2	1736.7	1736.7	1831.5	2090.0
20°	2082.6	2088.1	2071.4	2028.6	1980.3	1907.8	1855.7	1822.2	1826.0	1904.1	2203.4
22.5°	2305.7	2315.0	2270.4	2209.0	2134.6	2051.0	1976.6	1922.7	1924.5	1998.9	2320.6
25°	2545.6	2549.3	2521.4	2439.6	2339.2	2220.2	2121.6	2052.8	2051.0	2104.9	2471.2
27.5°	2791.0	2807.7	2752.0	2673.9	2580.9	2432.1	2302.0	2209.0	2194.1	2266.7	2659.0
30°	3043.9	3064.3	3010.4	2934.2	2818.9	2692.5	2538.1	2430.3	2421.0	2517.7	2910.0
32.5°	3298.6	3304.2	3261.5	3198.2	3094.1	2975.1	2850.5	2731.5	2722.2	2880.3	3235.4
35°	3506.9	3523.6	3493.9	3479.0	3402.8	3293.1	3172.2	3103.4	3127.6	3330.2	3657.5
37.5°	3757.9	3774.7	3741.2	3737.5	3713.3	3618.5	3534.8	3540.4	3564.5	3839.7	4101.9
40°	4120.5	4139.1	4053.6	4016.4	4016.4	3923.4	3895.5	4027.5	4059.1	4341.8	4564.9
42.5°	4427.3	4457.1	4406.9	4382.7	4310.2	4245.1	4278.6	4464.5	4518.4	4821.5	4968.4
45°	4576.1	4598.4	4657.9	4728.5	4657.9	4544.5	4670.9	4881.0	4957.3	5264.1	5371.9
47.5°	4656.0	4676.5	4745.3	4934.9	4983.3	4888.5	5067.0	5329.1	5381.2	5702.9	5756.8
50°	4667.2	4732.3	4821.5	5011.2	5232.5	5245.5	5464.9	5784.7	5846.1	6134.3	6095.2
52.5°	4576.1	4602.1	4786.2	5106.0	5351.5	5574.6	5898.1	6221.7	6266.3	6539.6	6394.6
55°	4427.3	4464.5	4648.6	5083.7	5466.7	5887.0	6338.8	6651.2	6701.4	6933.8	6671.7
57.5°	4293.4	4312.0	4509.1	5018.6	5582.0	6199.4	6731.2	7099.3	7132.8	7279.7	6876.2
60°	4144.7	4165.1	4362.2	4879.2	5667.6	6435.5	7140.2	7551.2	7580.9	7644.1	7114.2
62.5°	3759.8	3813.7	4061.0	4648.6	5645.2	6705.1	7577.2	7997.4	8034.6	7965.8	7302.0
65°	3053.2	3129.4	3432.5	4126.1	5437.0	6879.9	7934.2	8408.4	8471.6	8207.5	7352.2
67.5°	2370.8	2424.7	2668.3	3274.5	4706.2	6792.5	8164.8	8691.0	8709.6	8168.5	7073.3
68°	2248.1	2302.0	2534.4	3096.0	4503.6	6688.4	8159.2	8698.4	8739.3	8125.7	6965.4
70°	1720.0	1781.3	2002.6	2452.6	3629.6	6026.4	7818.9	8519.9	8514.4	7608.8	6296.0
72.5°	1074.8	1110.1	1262.6	1547.1	2400.5	4585.4	6636.3	7514.0	7528.9	6203.1	4829.0
75°	682.4	682.4	675.0	749.4	1230.9	2612.5	4933.1	5784.7	5795.9	4343.6	3043.9
77.5°	593.2	576.4	496.5	420.2	490.9	1015.3	2919.3	3735.6	3674.2	2339.2	1444.8
80°	500.2	472.3	407.2	338.4	316.1	318.0	1121.2	1896.6	1814.8	842.3	479.7
82.5°	360.7	336.6	306.8	265.9	243.6	189.7	234.3	548.5	535.5	243.6	156.2
85°	195.2	176.6	172.9	174.8	146.9	117.1	98.6	120.9	120.9	106.0	89.3
87.5°	68.8	50.2	59.5	66.9	57.6	48.3	39.0	46.5	48.3	46.5	42.8
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°	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7	1842.7
2.5°	1850.1	1868.7	1913.4	1952.4	1980.3	2004.5	2017.5	2023.1	2036.1	2037.9	2034.2
5°	1865.0	1913.4	1980.3	2037.9	2069.6	2082.6	2086.3	2088.1	2082.6	2086.3	2082.6
7.5°	1904.1	1965.4	2060.3	2110.5	2116.0	2095.6	2097.4	2090.0	2097.4	2104.9	2104.9
10°	1963.6	2041.7	2130.9	2149.5	2125.3	2114.2	2136.5	2181.1	2196.0	2216.4	2216.4
12.5°	2041.7	2134.6	2197.9	2181.1	2158.8	2196.0	2261.1	2305.7	2320.6	2328.0	2322.4
15°	2130.9	2231.3	2262.9	2207.2	2248.1	2328.0	2350.3	2324.3	2287.1	2270.4	2279.7
17.5°	2244.3	2328.0	2309.4	2272.2	2365.2	2376.4	2303.8	2220.2	2160.7	2138.4	2153.2
20°	2363.3	2435.9	2350.3	2367.1	2424.7	2305.7	2168.1	2060.3	2008.2	1998.9	2013.8
22.5°	2489.8	2536.3	2391.2	2476.8	2391.2	2149.5	1984.0	1928.2	1915.2	1930.1	1943.1
25°	2633.0	2627.4	2461.9	2510.2	2266.7	1958.0	1859.4	1855.7	1855.7	1865.0	1883.6
27.5°	2794.7	2707.3	2532.6	2465.6	2051.0	1799.9	1781.3	1783.2	1777.6	1779.5	1788.8
30°	2982.5	2815.2	2610.6	2318.7	1809.2	1680.9	1673.5	1667.9	1654.9	1651.2	1654.9
32.5°	3218.7	2928.6	2690.6	2077.0	1597.3	1558.2	1554.5	1524.7	1493.1	1489.4	1502.4
35°	3518.1	3135.0	2731.5	1773.9	1422.5	1420.6	1407.6	1361.1	1320.2	1320.2	1310.9
37.5°	3860.2	3400.9	2748.2	1478.3	1277.4	1286.7	1249.5	1190.0	1158.4	1139.8	1145.4
40°	4209.8	3704.0	2746.4	1219.8	1151.0	1152.9	1125.0	1052.4	974.3	927.9	939.0
42.5°	4546.3	3979.2	2698.0	1082.2	1048.7	1043.1	1020.8	922.3	857.2	820.0	821.9
45°	4815.9	4263.7	2623.7	1000.4	955.7	965.0	914.8	855.3	795.8	762.4	760.5
47.5°	5085.6	4479.4	2504.7	950.2	887.0	870.2	849.8	808.9	764.2	727.0	728.9
50°	5331.0	4663.5	2393.1	916.7	823.7	781.0	784.7	760.5	721.5	688.0	686.1
52.5°	5503.9	4784.3	2331.7	898.1	747.5	701.0	714.0	701.0	663.8	639.6	637.8
55°	5676.9	4877.3	2352.2	873.9	663.8	626.6	648.9	645.2	624.8	617.3	619.2
57.5°	5816.3	4948.0	2424.7	829.3	583.9	561.5	598.7	587.6	572.7	574.6	574.6
60°	5952.1	5039.1	2510.2	727.0	515.1	516.9	552.3	531.8	522.5	539.2	541.1
62.5°	6093.4	5137.6	2439.6	578.3	455.6	468.6	509.5	492.8	496.5	520.6	528.1
65°	6076.6	5128.3	1987.7	474.2	403.5	429.5	490.9	485.3	487.2	496.5	500.2
67.5°	5734.5	4801.1	1366.7	403.5	366.3	397.9	476.0	453.7	455.6	450.0	451.8
68°	5619.2	4685.8	1204.9	392.3	358.9	390.5	468.6	448.1	450.0	444.4	442.5
70°	4990.7	4012.7	762.4	345.9	332.8	370.0	431.4	424.0	422.1	418.4	418.4
72.5°	3804.4	2962.1	401.6	299.4	303.1	338.4	384.9	399.8	390.5	392.3	403.5
75°	2519.5	1781.3	278.9	256.6	265.9	290.1	342.1	371.9	362.6	368.2	362.6
77.5°	1333.2	959.5	223.1	217.6	217.6	234.3	282.6	329.1	329.1	325.4	319.8
80°	437.0	338.4	178.5	171.1	174.8	184.1	226.9	269.6	275.2	267.8	264.0
82.5°	146.9	156.2	133.9	124.6	128.3	135.7	171.1	206.4	208.3	193.4	189.7
85°	91.1	104.1	83.7	81.8	81.8	83.7	104.1	113.4	104.1	93.0	96.7
87.5°	42.8	52.1	39.0	33.5	27.9	24.2	18.6	7.4	7.4	3.7	3.7
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)