

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: P1210293

Luminaire Tested: **ARCH2-80-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-80-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 630mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

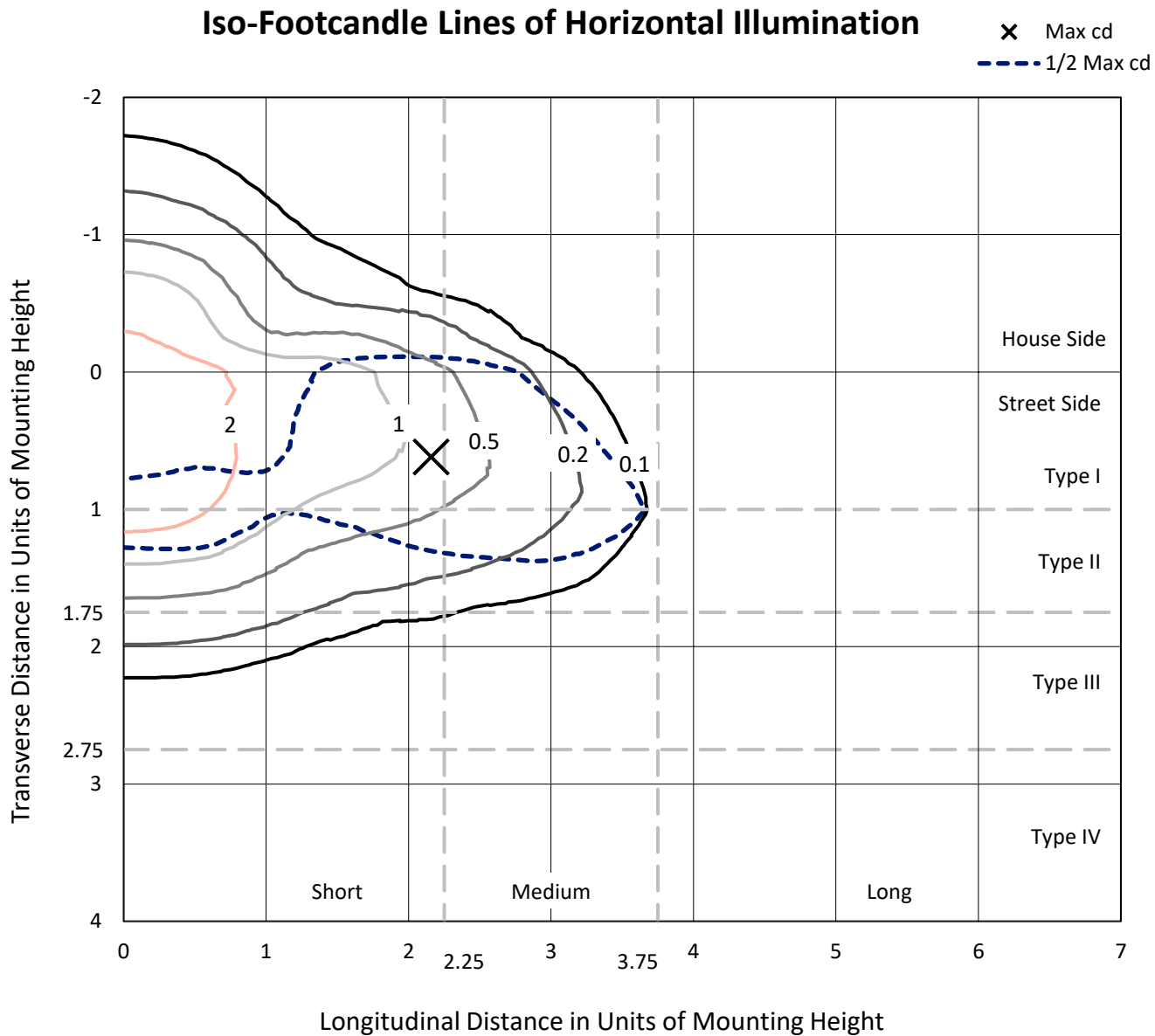
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9822 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 84.3
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



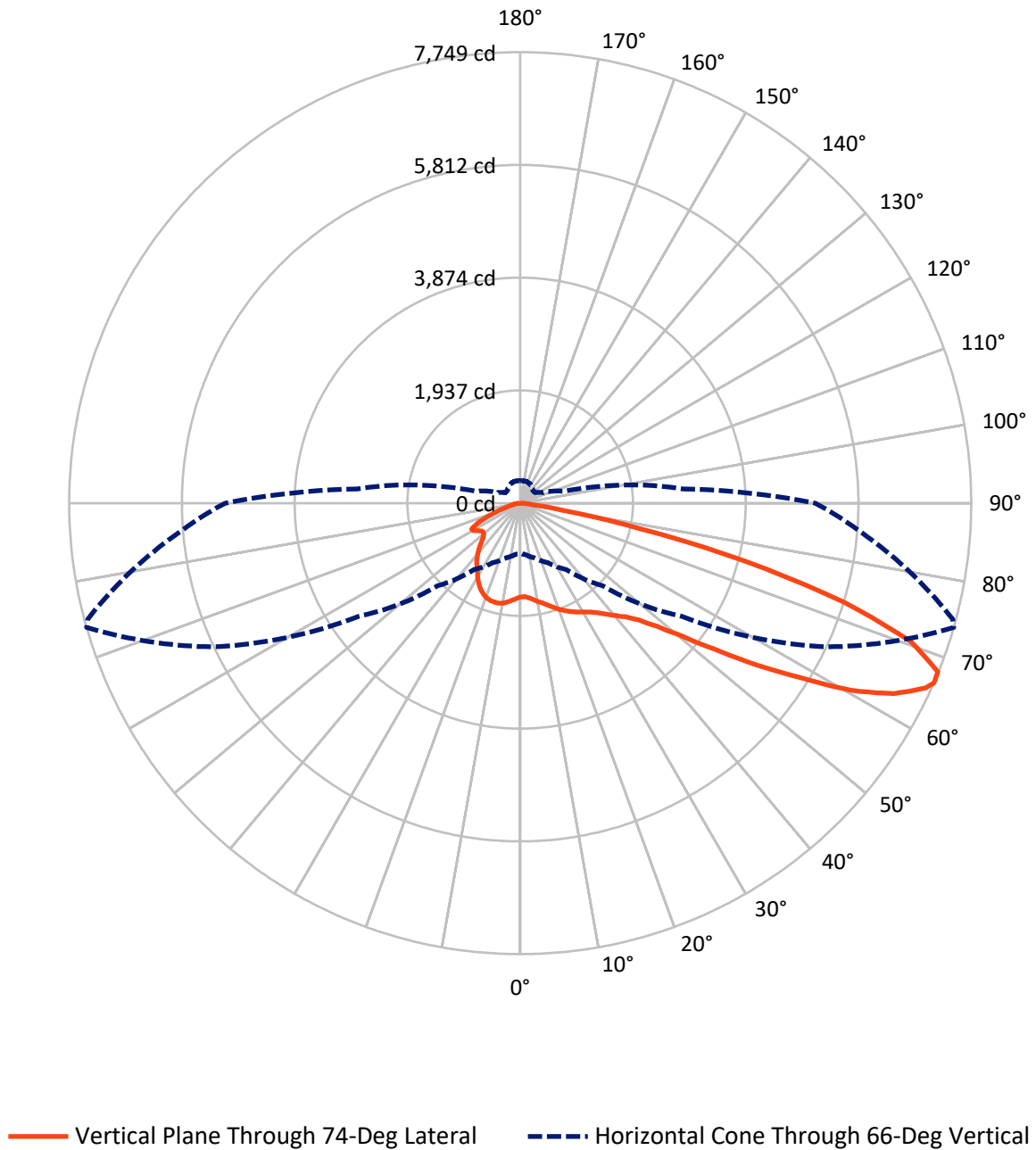
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Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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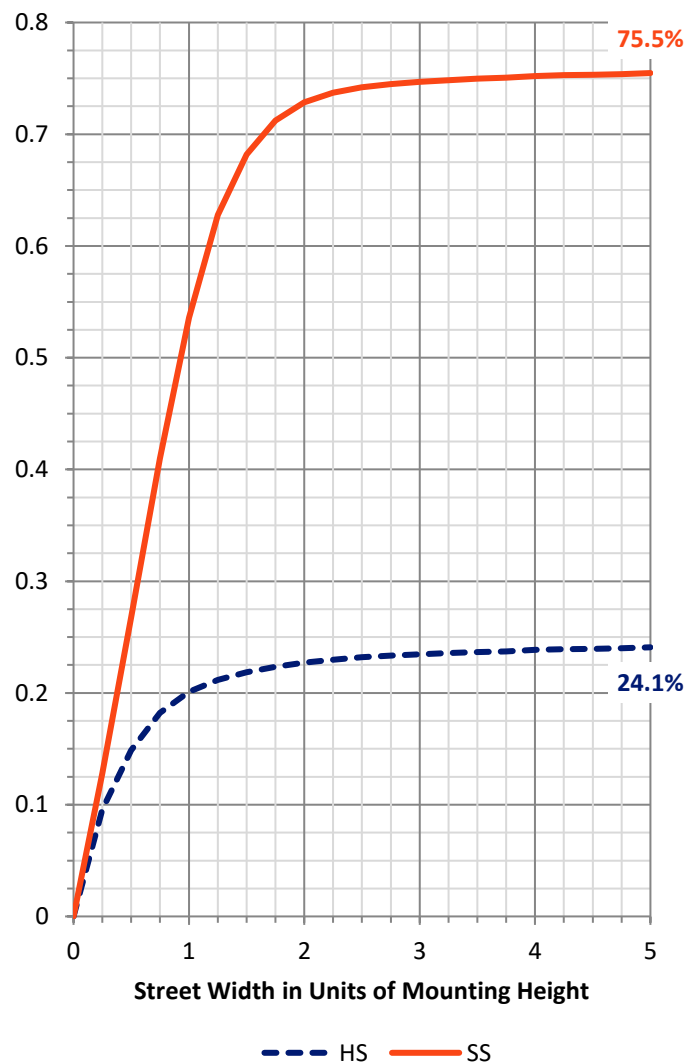
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2391.9	0.0	2391.9
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	7430.1	0.0	7430.1
	% Fixture	75.6	0.0	75.6
Total	Lumens	9822.0	0.0	9822.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	1.6
10°-20°	472.3	4.8
20°-30°	886.3	9.0
30°-40°	1363.4	13.9
40°-50°	1833.9	18.7
50°-60°	2168.8	22.1
60°-70°	2006.2	20.4
70°-80°	844.0	8.6
80°-90°	93.4	1.0
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°	9822.0	100.0
0°-180°	9822.0	100.0

Coefficient of Utilization



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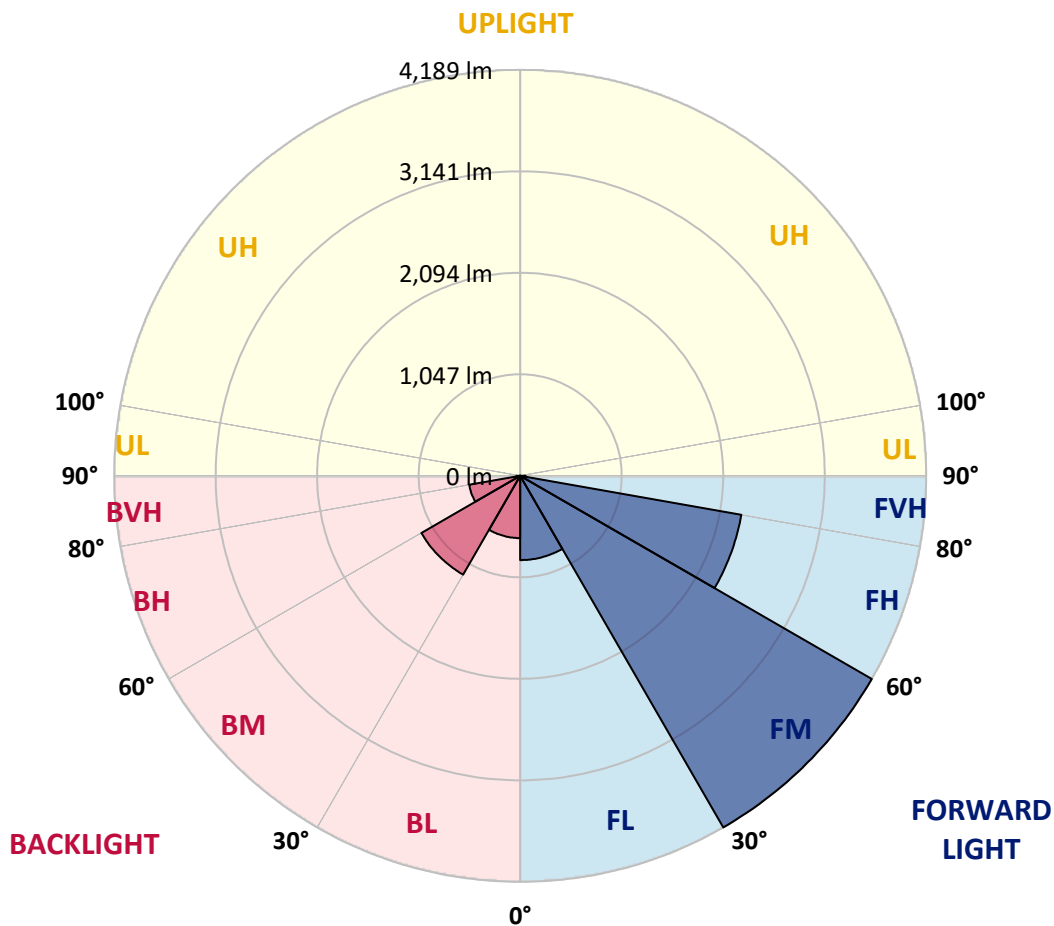
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	869.4	8.9			
FM	(30°-60°)	4188.5	42.6			
FH	(60°-80°)	2316.3	23.6			G2/5000
FVH	(80°-90°)	55.9	0.6			G1/100
BL	(0°-30°)	642.9	6.5	B2/1000		
BM	(30°-60°)	1177.6	12.0	B2/2500		
BH	(60°-80°)	534.0	5.4	B2/1000		G2/1000
BVH	(80°-90°)	37.5	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2
2.5°	1605.1	1602.6	1607.6	1615.2	1619.0	1612.7	1610.2	1608.9	1608.9	1605.1	1611.4
5°	1529.3	1528.0	1539.4	1553.3	1579.8	1598.8	1624.1	1639.2	1634.2	1626.6	1631.6
7.5°	1430.7	1428.2	1442.1	1468.6	1505.3	1547.0	1608.9	1656.9	1675.9	1673.3	1672.1
10°	1468.6	1466.1	1464.8	1457.2	1469.9	1510.3	1574.8	1659.4	1723.9	1725.2	1726.4
12.5°	1600.0	1606.4	1600.0	1576.0	1548.2	1533.1	1571.0	1665.8	1764.3	1771.9	1803.5
15°	1779.5	1773.2	1760.6	1732.7	1689.8	1644.3	1616.5	1694.8	1822.5	1828.8	1898.3
17.5°	1937.5	1942.5	1935.0	1908.4	1857.9	1798.5	1713.8	1745.4	1884.4	1902.1	1999.4
20°	2109.4	2129.6	2119.5	2086.6	2044.9	1956.4	1850.3	1818.7	1952.7	1965.3	2104.3
22.5°	2307.8	2329.3	2310.3	2278.7	2244.6	2135.9	1999.4	1908.4	2009.5	2036.1	2205.4
25°	2545.4	2565.6	2547.9	2498.6	2455.7	2323.0	2159.9	2009.5	2065.1	2094.2	2287.6
27.5°	2733.7	2748.9	2765.3	2736.2	2670.5	2532.8	2326.8	2114.4	2120.8	2151.1	2363.4
30°	2901.8	2939.7	2953.6	2957.4	2901.8	2747.6	2497.4	2223.1	2168.8	2200.4	2439.2
32.5°	3131.8	3188.7	3166.0	3188.7	3155.8	2949.8	2674.3	2335.6	2230.7	2259.8	2511.3
35°	3468.0	3513.5	3454.1	3436.4	3383.3	3154.6	2844.9	2451.9	2312.9	2344.5	2579.5
37.5°	3829.5	3881.3	3795.4	3724.6	3623.5	3356.8	2991.5	2604.8	2426.6	2451.9	2642.7
40°	4145.4	4188.4	4113.9	4020.3	3851.0	3535.0	3117.9	2712.2	2540.4	2571.9	2716.0
42.5°	4437.4	4465.2	4381.8	4292.1	4065.8	3695.5	3254.4	2826.0	2673.1	2703.4	2775.4
45°	4733.1	4754.6	4638.4	4510.7	4245.3	3842.1	3404.8	2985.2	2867.7	2908.1	2871.5
47.5°	4786.2	4792.5	4772.3	4686.4	4386.8	3982.4	3590.6	3198.8	3164.7	3208.9	3037.0
50°	4418.4	4475.3	4600.4	4685.1	4443.7	4099.9	3776.4	3504.7	3574.2	3631.1	3380.8
52.5°	3704.4	3758.7	4048.1	4369.1	4307.2	4126.5	3976.1	3892.7	4151.8	4220.0	3848.4
55°	2951.1	2999.1	3305.0	3767.6	3866.1	4005.2	4189.7	4388.1	4888.6	4934.1	4361.6
57.5°	2430.4	2456.9	2675.6	3120.5	3278.4	3617.2	4304.7	4977.1	5638.1	5707.6	4807.7
60°	1993.1	2022.2	2185.2	2551.7	2761.5	3062.3	4213.7	5558.4	6532.9	6532.9	5380.2
62.5°	1500.2	1525.5	1677.1	1964.0	2316.6	2592.2	3923.0	5943.9	7207.8	7177.4	5794.8
65°	1030.0	1050.3	1160.2	1351.1	1668.3	2209.2	3526.2	5949.0	7655.2	7614.7	5971.7
66°	864.5	882.2	975.7	1129.9	1396.6	2004.5	3385.9	5841.5	7748.7	7691.8	5897.2
67.5°	682.5	695.1	757.0	848.0	1023.7	1622.8	3164.7	5537.0	7739.9	7705.7	5707.6
70°	487.8	496.7	542.2	561.2	605.4	939.0	2513.8	4849.4	7119.3	7129.4	4961.9
72.5°	377.9	391.8	419.6	423.4	413.3	499.2	1525.5	4045.6	5823.8	5820.1	3682.9
75°	304.6	312.2	326.1	333.7	331.1	322.3	645.8	3018.1	4009.0	4055.7	2062.6
77.5°	240.1	238.9	251.5	261.6	269.2	252.8	295.7	1769.4	2101.8	2042.4	774.7
80°	176.9	176.9	194.6	198.4	209.8	212.3	197.2	682.5	721.7	655.9	201.0
82.5°	116.3	116.3	135.2	137.8	149.1	165.6	142.8	204.7	199.7	189.6	91.0
85°	63.2	60.7	67.0	75.8	82.2	97.3	85.9	102.4	104.9	103.6	60.7
87.5°	12.6	11.4	17.7	20.2	22.7	30.3	27.8	41.7	58.1	56.9	26.5
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°	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2	1610.2
2.5°	1620.3	1619.0	1632.9	1649.3	1668.3	1679.7	1684.7	1693.6	1687.2	1689.8	1697.4
5°	1644.3	1648.1	1668.3	1689.8	1698.6	1692.3	1678.4	1673.3	1662.0	1659.4	1656.9
7.5°	1679.7	1686.0	1706.2	1711.3	1684.7	1640.5	1608.9	1591.2	1572.2	1567.2	1564.7
10°	1737.8	1741.6	1746.6	1694.8	1629.1	1569.7	1530.5	1514.1	1501.5	1491.3	1493.9
12.5°	1811.1	1808.6	1769.4	1662.0	1568.4	1507.8	1481.2	1471.1	1462.3	1456.0	1454.7
15°	1903.4	1885.7	1773.2	1616.5	1511.6	1461.0	1442.1	1438.3	1428.2	1428.2	1426.9
17.5°	1996.9	1951.4	1770.7	1568.4	1457.2	1429.4	1418.0	1415.5	1413.0	1411.7	1415.5
20°	2090.4	2009.5	1750.4	1509.0	1419.3	1402.9	1400.4	1401.6	1399.1	1402.9	1400.4
22.5°	2172.6	2047.4	1712.5	1445.9	1392.8	1391.5	1385.2	1387.7	1396.6	1397.8	1401.6
25°	2235.8	2061.3	1656.9	1387.7	1373.8	1371.3	1378.9	1389.0	1396.6	1397.8	1404.1
27.5°	2287.6	2053.8	1587.4	1342.2	1341.0	1354.9	1377.6	1381.4	1382.7	1382.7	1377.6
30°	2326.8	2037.3	1498.9	1291.7	1298.0	1332.1	1353.6	1353.6	1343.5	1341.0	1348.5
32.5°	2335.6	2015.9	1402.9	1239.8	1250.0	1290.4	1316.9	1308.1	1296.7	1296.7	1301.8
35°	2343.2	1986.8	1325.8	1169.1	1184.2	1232.3	1257.5	1239.8	1227.2	1223.4	1222.1
37.5°	2340.7	1975.4	1256.3	1079.3	1099.6	1146.3	1162.7	1146.3	1127.4	1118.5	1129.9
40°	2343.2	1967.8	1169.1	980.8	1001.0	1028.8	1050.3	1037.6	1019.9	997.2	1008.6
42.5°	2358.4	1977.9	1073.0	884.7	884.7	899.9	936.5	927.7	884.7	875.9	886.0
45°	2439.2	2032.3	977.0	788.6	774.7	784.9	822.8	784.9	758.3	758.3	767.2
47.5°	2635.1	2133.4	892.3	704.0	671.1	691.3	701.4	666.1	645.8	640.8	649.6
50°	3034.5	2335.6	841.7	634.5	594.0	609.2	602.9	601.6	581.4	583.9	589.0
52.5°	3641.2	2729.9	826.6	600.3	549.8	553.6	547.2	549.8	546.0	558.6	562.4
55°	4302.2	3145.7	845.5	605.4	519.4	492.9	495.4	508.1	523.2	543.5	547.2
57.5°	4796.3	3354.3	894.8	639.5	481.5	441.1	447.4	471.4	500.5	516.9	525.8
60°	5164.1	3329.0	966.8	648.4	436.0	394.3	405.7	441.1	466.4	480.3	489.1
62.5°	5284.2	3171.0	984.5	583.9	376.6	350.1	377.9	414.5	425.9	441.1	447.4
65°	5185.6	2947.3	855.6	473.9	331.1	317.2	357.7	385.5	400.6	408.2	409.5
66°	5069.3	2813.3	786.1	431.0	314.7	307.1	350.1	372.8	388.0	386.7	388.0
67.5°	4814.0	2532.8	673.6	370.3	290.7	292.0	337.4	352.6	357.7	353.9	353.9
70°	3945.8	1783.3	482.8	280.6	255.3	273.0	303.3	307.1	318.5	313.4	313.4
72.5°	2432.9	875.9	323.5	214.9	227.5	255.3	254.0	266.7	293.2	300.8	305.9
75°	1195.6	355.1	213.6	182.0	203.5	213.6	211.1	242.7	280.6	313.4	324.8
77.5°	453.7	176.9	149.1	159.2	164.3	160.5	168.1	219.9	280.6	340.0	351.4
80°	140.3	122.6	117.5	131.4	123.9	117.5	126.4	182.0	237.6	257.8	257.8
82.5°	84.7	96.1	91.0	89.7	83.4	84.7	91.0	130.2	183.3	192.1	192.1
85°	59.4	63.2	51.8	49.3	48.0	46.8	46.8	75.8	108.7	107.4	111.2
87.5°	22.7	25.3	19.0	19.0	17.7	12.6	10.1	12.6	12.6	8.8	6.3
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)