

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1462156

Luminaire Tested: PRV-P-90-8540-U-T2U

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462156
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-90-8540-U-T2U
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 90W 85CRI 4000k FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10726.6 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

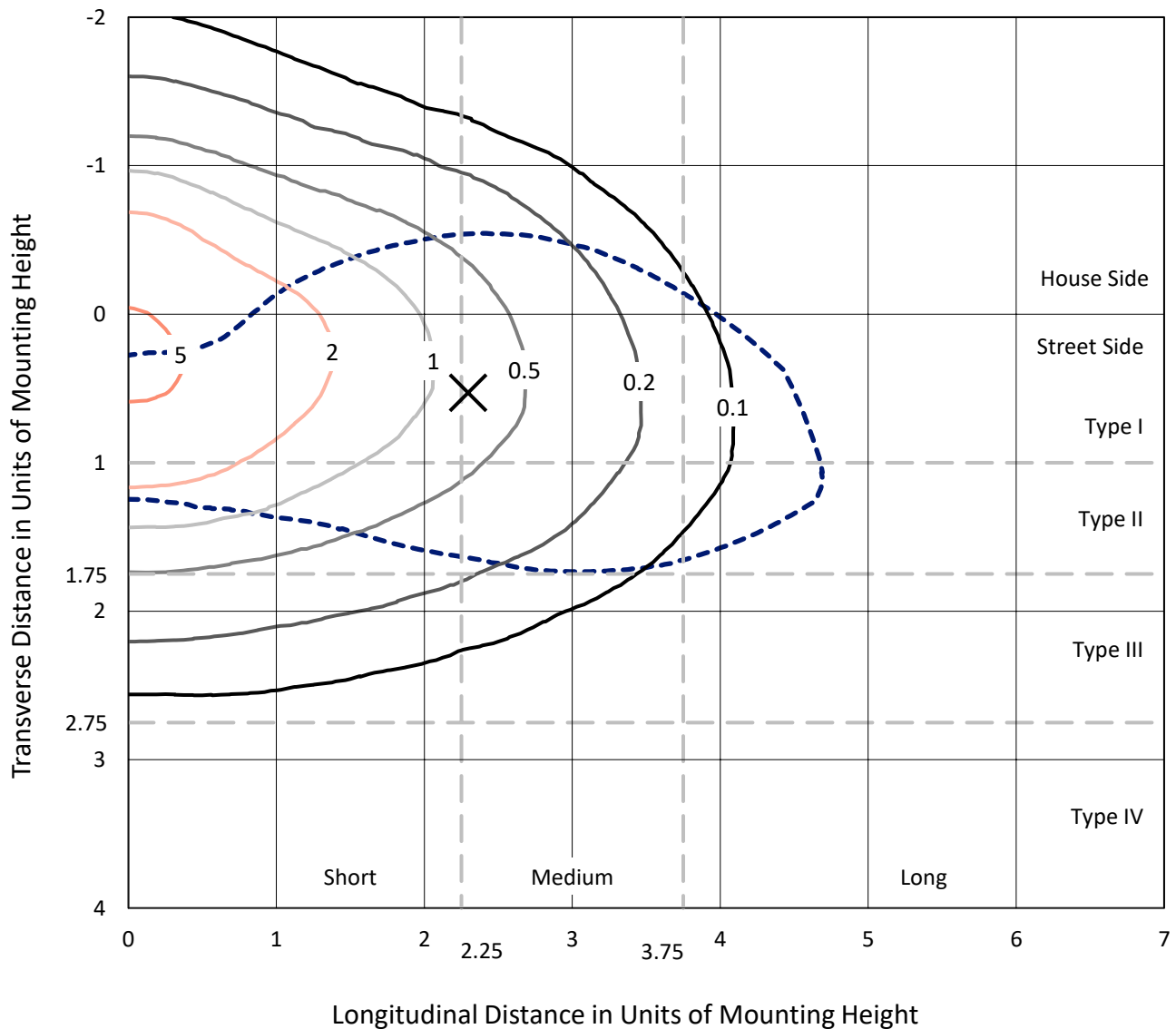
Input Watts (W): 94.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

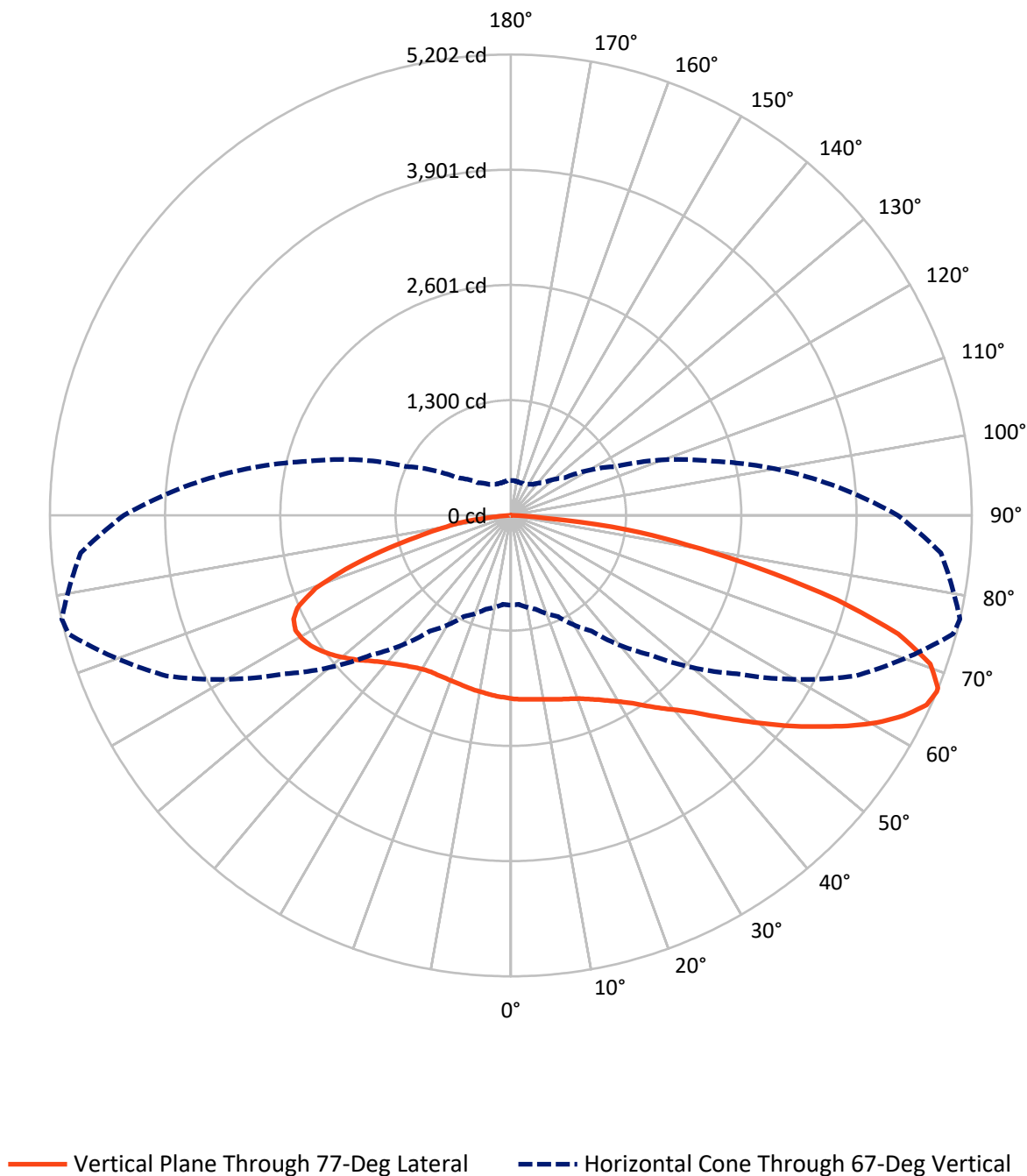


Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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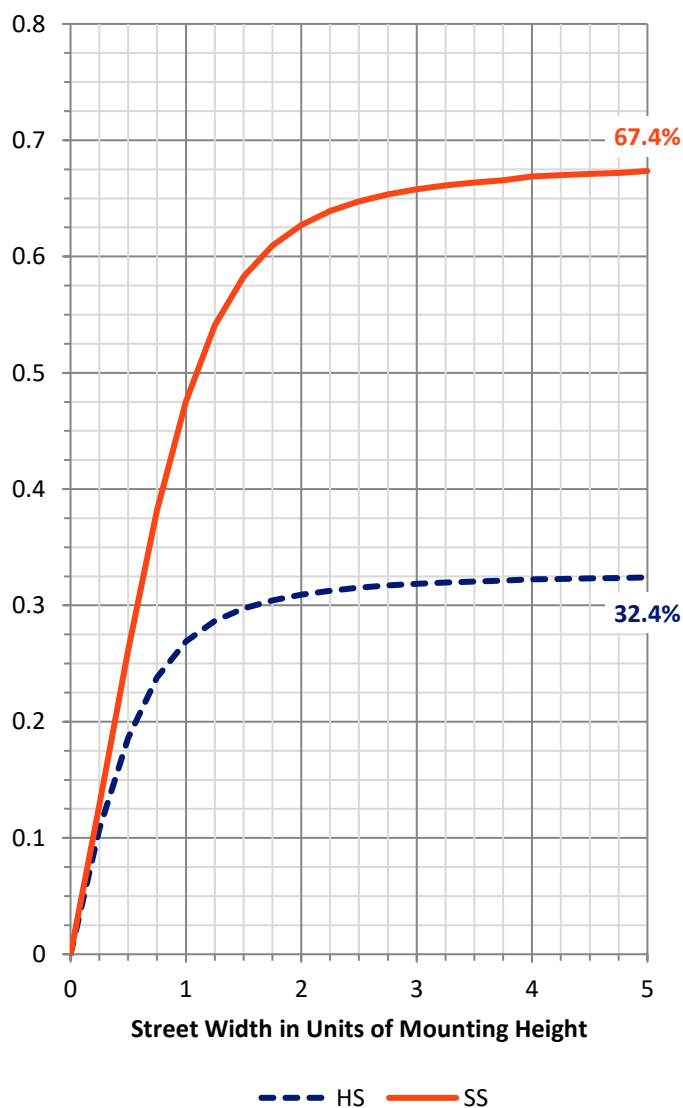
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3495.3	0.0	3495.3
	% Fixture	32.6	0.0	32.6
Street Side	Lumens	7231.3	0.0	7231.3
	% Fixture	67.4	0.0	67.4
Total	Lumens	10726.6	0.0	10726.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.8	1.9
10°-20°	605.3	5.6
20°-30°	1030.2	9.6
30°-40°	1477.6	13.8
40°-50°	1876.3	17.5
50°-60°	2064.1	19.2
60°-70°	1993.8	18.6
70°-80°	1254.1	11.7
80°-90°	226.2	2.1
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°	10726.6	100.0
0°-180°	10726.6	100.0

Coefficient of Utilization



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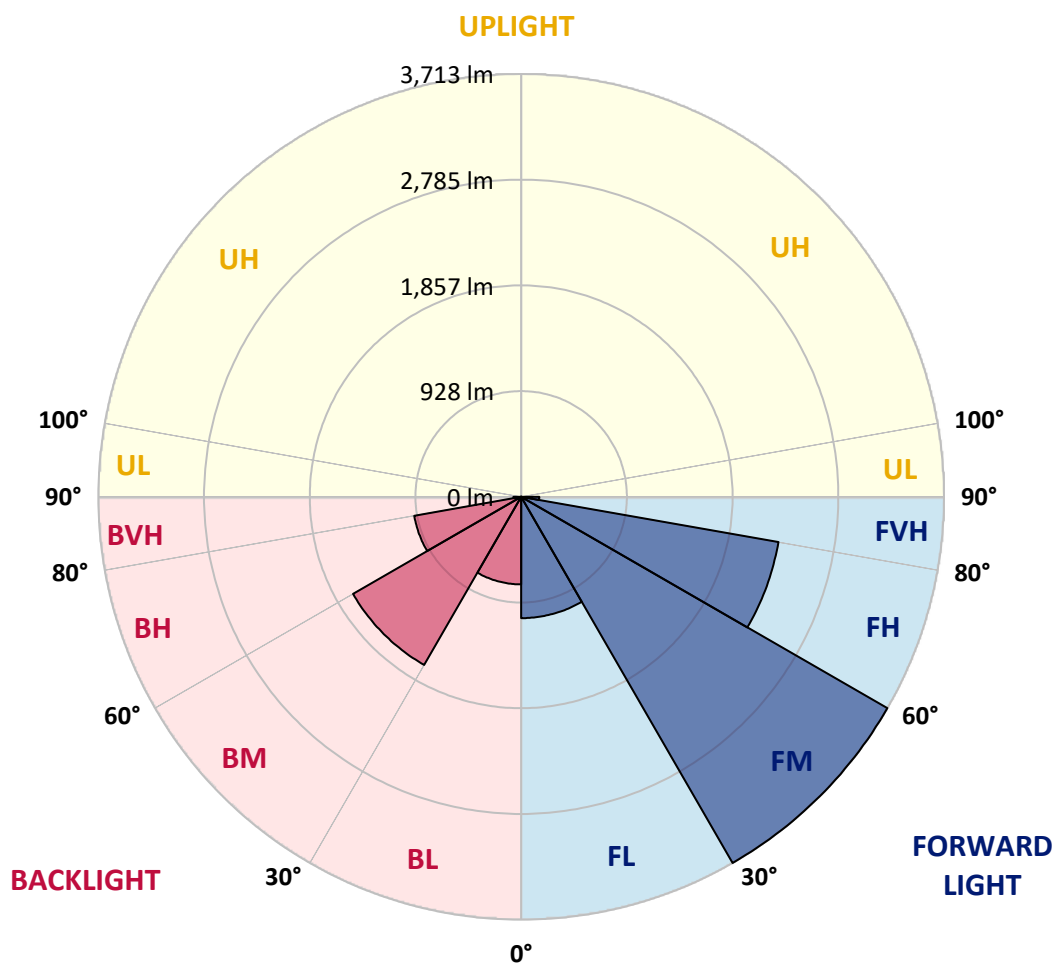
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1065.2	9.9			
FM	(30°-60°)	3713.2	34.6			
FH	(60°-80°)	2294.4	21.4			G2/5000
FVH	(80°-90°)	158.4	1.5			G2/225
BL	(0°-30°)	769.2	7.2	B2/1000		
BM	(30°-60°)	1704.9	15.9	B2/2500		
BH	(60°-80°)	953.5	8.9	B2/1000		G2/1000
BVH	(80°-90°)	67.8	0.6			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1
2.5°	2103.8	2112.1	2115.4	2117.1	2117.1	2105.5	2102.2	2084.0	2080.7	2077.3	2060.8
5°	2185.0	2180.0	2188.3	2178.4	2176.7	2151.9	2132.0	2107.2	2084.0	2084.0	2065.7
7.5°	2274.5	2271.2	2277.8	2267.8	2233.1	2206.6	2180.0	2133.7	2103.8	2095.6	2072.4
10°	2388.8	2377.2	2383.8	2347.4	2320.9	2264.5	2219.8	2163.5	2117.1	2110.5	2079.0
12.5°	2481.5	2483.2	2488.2	2453.4	2407.0	2347.4	2281.1	2201.6	2148.6	2128.7	2085.6
15°	2572.7	2590.9	2582.6	2551.1	2503.1	2421.9	2335.8	2243.0	2166.8	2151.9	2100.5
17.5°	2665.4	2662.1	2662.1	2632.3	2574.3	2499.8	2397.1	2284.4	2193.3	2176.7	2115.4
20°	2751.6	2743.3	2744.9	2725.1	2667.1	2585.9	2465.0	2344.0	2236.4	2206.6	2135.3
22.5°	2822.8	2836.0	2846.0	2817.8	2759.8	2667.1	2552.8	2407.0	2271.2	2251.3	2161.8
25°	2908.9	2915.6	2932.1	2918.9	2869.2	2781.4	2645.5	2488.2	2332.5	2304.3	2199.9
27.5°	3001.7	3003.4	3026.6	3024.9	2955.3	2874.2	2738.3	2567.7	2400.4	2367.2	2241.3
30°	3121.0	3116.0	3139.2	3129.3	3054.7	2966.9	2829.4	2653.8	2468.3	2438.5	2301.0
32.5°	3218.7	3228.7	3233.6	3238.6	3164.1	3071.3	2932.1	2759.8	2562.7	2527.9	2378.8
35°	3313.1	3313.1	3331.4	3329.7	3265.1	3187.2	3051.4	2872.5	2680.3	2640.6	2484.9
37.5°	3379.4	3392.7	3407.6	3412.5	3346.3	3273.4	3167.4	3000.0	2806.2	2761.5	2595.8
40°	3391.0	3412.5	3472.2	3487.1	3422.5	3359.5	3281.7	3135.9	2930.5	2889.1	2721.7
42.5°	3417.5	3452.3	3497.0	3530.2	3473.8	3417.5	3384.4	3265.1	3079.6	3039.8	2875.8
45°	3296.6	3299.9	3377.7	3463.9	3465.5	3450.6	3482.1	3424.1	3265.1	3236.9	3059.7
47.5°	3154.1	3127.6	3190.6	3324.7	3407.6	3470.5	3569.9	3581.5	3473.8	3450.6	3265.1
50°	2788.0	2809.5	2978.5	3147.5	3296.6	3450.6	3646.1	3772.0	3722.3	3689.2	3487.1
52.5°	2393.7	2403.7	2592.5	2948.7	3157.4	3420.8	3694.2	3959.2	3955.9	3949.3	3725.6
55°	2138.6	2141.9	2344.0	2632.3	2985.1	3308.2	3720.7	4138.1	4225.9	4204.4	3982.4
57.5°	1870.3	1885.2	2044.2	2261.2	2761.5	3154.1	3707.4	4278.9	4495.9	4481.0	4227.6
60°	1608.5	1646.6	1734.4	1958.1	2473.3	2955.3	3632.9	4399.9	4754.4	4747.7	4489.3
62.5°	1370.0	1389.9	1474.3	1694.7	2125.4	2733.3	3507.0	4449.5	4969.7	4976.3	4684.8
65°	1179.5	1184.4	1260.7	1447.8	1817.3	2469.9	3308.2	4403.2	5132.1	5156.9	4837.2
67°	1012.2	1007.2	1096.6	1260.7	1595.3	2224.8	3114.4	4285.5	5166.8	5201.6	4872.0
67.5°	949.2	959.2	1061.9	1215.9	1552.2	2161.8	3049.7	4242.5	5158.6	5198.3	4852.1
70°	685.8	694.1	846.5	1018.8	1295.4	1835.5	2705.2	3944.3	4984.6	5022.7	4608.6
72.5°	520.2	525.1	669.3	839.9	1076.8	1514.1	2301.0	3543.4	4512.5	4572.1	4124.9
75°	415.8	410.8	516.9	680.9	866.4	1219.2	1809.0	2847.6	3712.4	3800.2	3349.6
77.5°	321.4	318.1	367.8	533.4	692.4	927.7	1328.6	2160.2	2867.5	2849.3	2537.9
80°	202.1	207.1	220.3	351.2	492.0	644.4	889.6	1386.5	1971.3	2021.0	1797.4
82.5°	104.4	114.3	122.6	190.5	261.7	357.8	563.2	874.7	1305.4	1333.5	1209.3
85°	21.5	19.9	28.2	48.0	74.5	117.6	169.0	281.6	379.4	419.1	371.1
87.5°	1.7	1.7	3.3	3.3	3.3	5.0	9.9	9.9	8.3	8.3	8.3
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°	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1	2069.1
2.5°	2067.4	2059.1	2054.1	2045.9	2044.2	2047.5	2037.6	2034.3	2024.3	2017.7	2019.4
5°	2067.4	2057.5	2042.6	2021.0	2016.0	2014.4	2002.8	1987.9	1976.3	1973.0	1964.7
7.5°	2062.4	2052.5	2027.6	2004.5	1982.9	1971.3	1961.4	1948.1	1924.9	1910.0	1911.7
10°	2062.4	2045.9	2012.7	1981.3	1953.1	1928.2	1910.0	1893.5	1876.9	1857.0	1860.3
12.5°	2067.4	2047.5	2002.8	1958.1	1920.0	1891.8	1867.0	1847.1	1833.8	1810.6	1810.6
15°	2074.0	2044.2	1987.9	1934.9	1890.1	1853.7	1820.6	1802.3	1787.4	1775.8	1774.2
17.5°	2079.0	2045.9	1974.6	1906.7	1848.7	1805.7	1777.5	1764.2	1756.0	1747.7	1744.4
20°	2090.6	2052.5	1966.3	1883.5	1815.6	1764.2	1741.1	1732.8	1734.4	1724.5	1722.8
22.5°	2117.1	2060.8	1958.1	1858.7	1772.5	1729.5	1706.3	1694.7	1698.0	1691.4	1691.4
25°	2137.0	2080.7	1956.4	1837.1	1744.4	1689.7	1664.9	1656.6	1656.6	1649.9	1645.0
27.5°	2168.5	2103.8	1951.4	1817.3	1707.9	1649.9	1618.5	1608.5	1600.2	1598.6	1596.9
30°	2224.8	2141.9	1961.4	1787.4	1669.8	1600.2	1560.5	1547.2	1543.9	1543.9	1540.6
32.5°	2284.4	2198.3	1981.3	1777.5	1633.4	1542.3	1500.9	1484.3	1485.9	1477.7	1477.7
35°	2380.5	2266.2	2011.1	1779.2	1596.9	1482.6	1437.9	1426.3	1414.7	1406.4	1406.4
37.5°	2473.3	2350.7	2045.9	1772.5	1567.1	1434.6	1376.6	1341.8	1333.5	1325.3	1323.6
40°	2587.6	2441.8	2088.9	1756.0	1527.4	1373.3	1295.4	1247.4	1247.4	1244.1	1240.8
42.5°	2726.7	2557.7	2135.3	1754.3	1484.3	1312.0	1199.4	1149.7	1141.4	1139.7	1148.0
45°	2889.1	2703.5	2198.3	1752.7	1446.2	1242.4	1104.9	1033.7	1028.7	1012.2	1015.5
47.5°	3076.3	2859.2	2269.5	1746.0	1398.1	1159.6	997.3	919.4	894.5	884.6	878.0
50°	3280.0	3023.2	2332.5	1737.7	1335.2	1060.2	887.9	803.4	772.0	755.4	747.1
52.5°	3507.0	3185.6	2397.1	1721.2	1259.0	964.1	788.5	704.0	667.6	652.7	647.7
55°	3722.3	3351.2	2448.4	1698.0	1182.8	863.1	695.8	619.6	589.7	583.1	581.5
57.5°	3926.1	3503.6	2493.1	1659.9	1096.6	778.6	624.5	559.9	536.7	543.4	541.7
60°	4111.6	3636.2	2513.0	1601.9	1008.9	695.8	566.5	513.5	500.3	513.5	511.9
62.5°	4290.5	3733.9	2508.0	1529.0	917.7	631.2	513.5	472.1	468.8	497.0	498.6
65°	4370.0	3753.8	2456.7	1421.3	821.7	564.9	463.8	419.1	419.1	437.3	440.6
67°	4366.7	3697.5	2359.0	1305.4	740.5	520.2	427.4	387.6	382.7	394.3	392.6
67.5°	4336.9	3664.3	2319.2	1273.9	722.3	508.6	417.5	379.4	376.0	386.0	382.7
70°	4068.5	3400.9	2088.9	1091.7	627.8	452.2	371.1	339.6	328.0	334.6	331.3
72.5°	3560.0	2937.1	1714.6	887.9	543.4	391.0	324.7	289.9	276.6	266.7	260.1
75°	2829.4	2310.9	1313.7	704.0	444.0	329.7	271.7	230.3	200.4	203.8	200.4
77.5°	2125.4	1698.0	945.9	538.4	342.9	263.4	205.4	165.7	144.1	155.7	150.7
80°	1515.8	1191.1	680.9	392.6	243.5	175.6	142.5	111.0	117.6	117.6	64.6
82.5°	1051.9	836.6	485.4	258.4	144.1	102.7	76.2	69.6	89.5	36.4	1.7
85°	321.4	271.7	188.8	92.8	46.4	28.2	16.6	28.2	9.9	1.7	0.0
87.5°	8.3	8.3	6.6	6.6	3.3	1.7	1.7	1.7	1.7	0.0	0.0
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)