

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: P1462208

Luminaire Tested: PRV-P-90-8540-U-T3R

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462208
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-90-8540-U-T3R
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 90W 85CRI 4000k FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10604.5 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

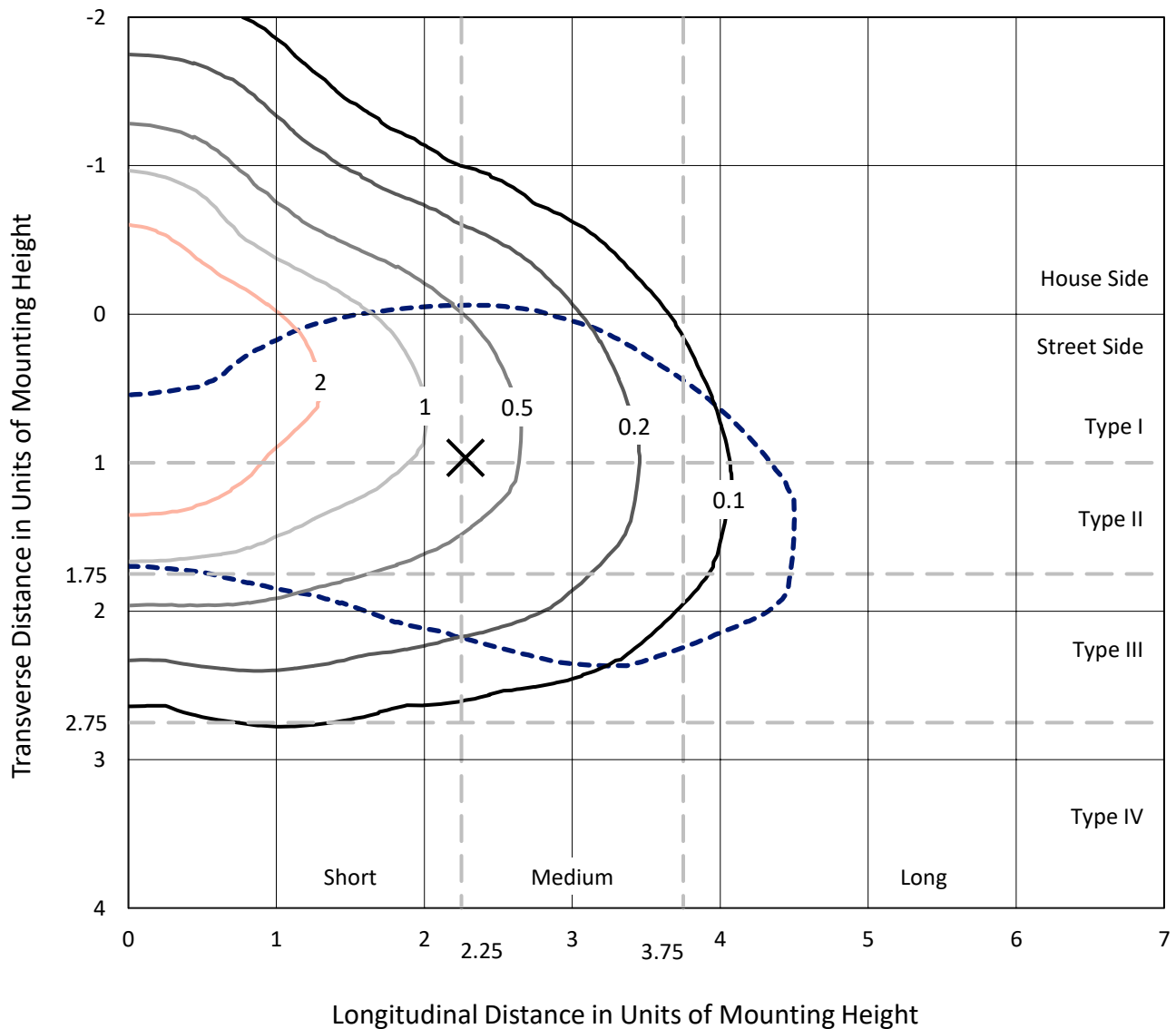
Input Watts (W): 94.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

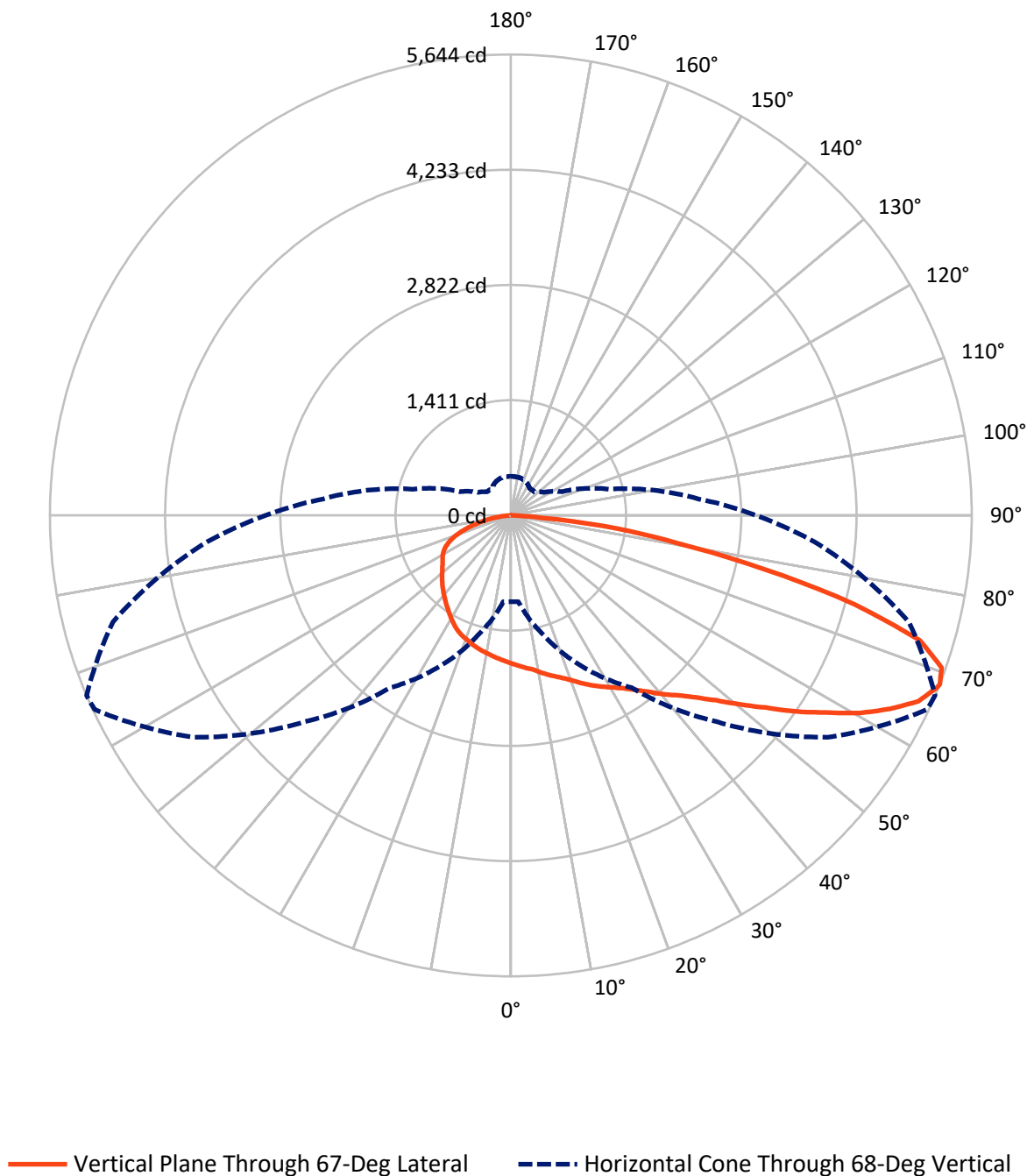


Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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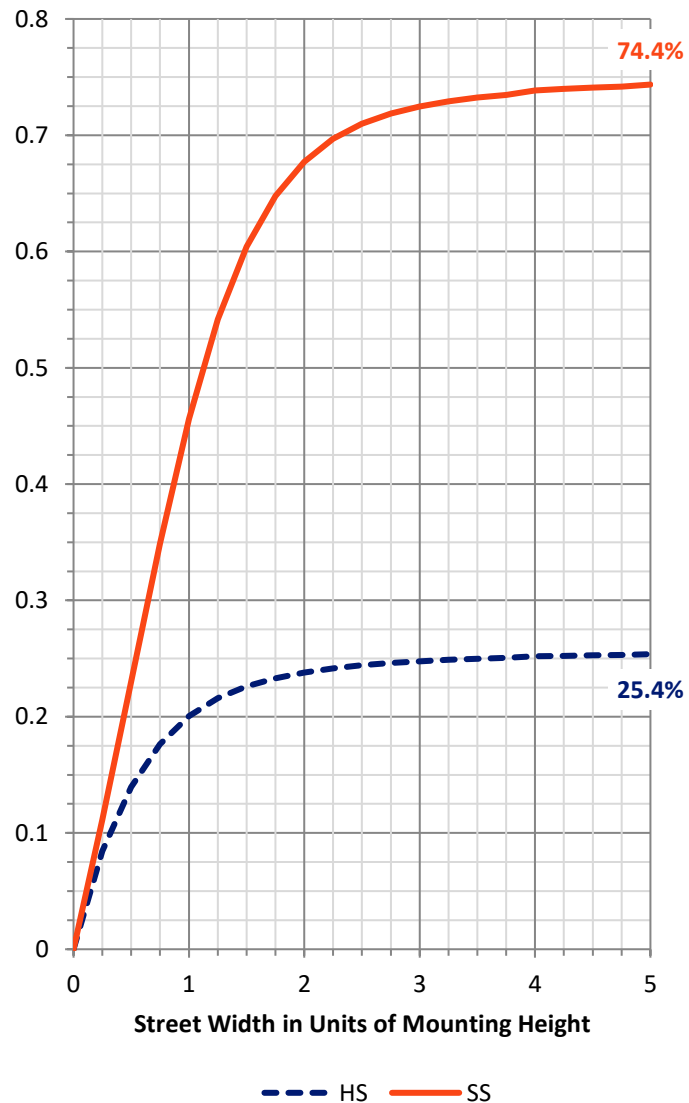
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2705.7	0.0	2705.7
	% Fixture	25.5	0.0	25.5
Street Side	Lumens	7898.8	0.0	7898.8
	% Fixture	74.5	0.0	74.5
Total	Lumens	10604.5	0.0	10604.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.6	1.6
10°-20°	520.2	4.9
20°-30°	883.3	8.3
30°-40°	1338.6	12.6
40°-50°	1808.9	17.1
50°-60°	2140.6	20.2
60°-70°	2157.5	20.3
70°-80°	1363.0	12.9
80°-90°	218.7	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°	10604.5	100.0
0°-180°	10604.5	100.0

Coefficient of Utilization



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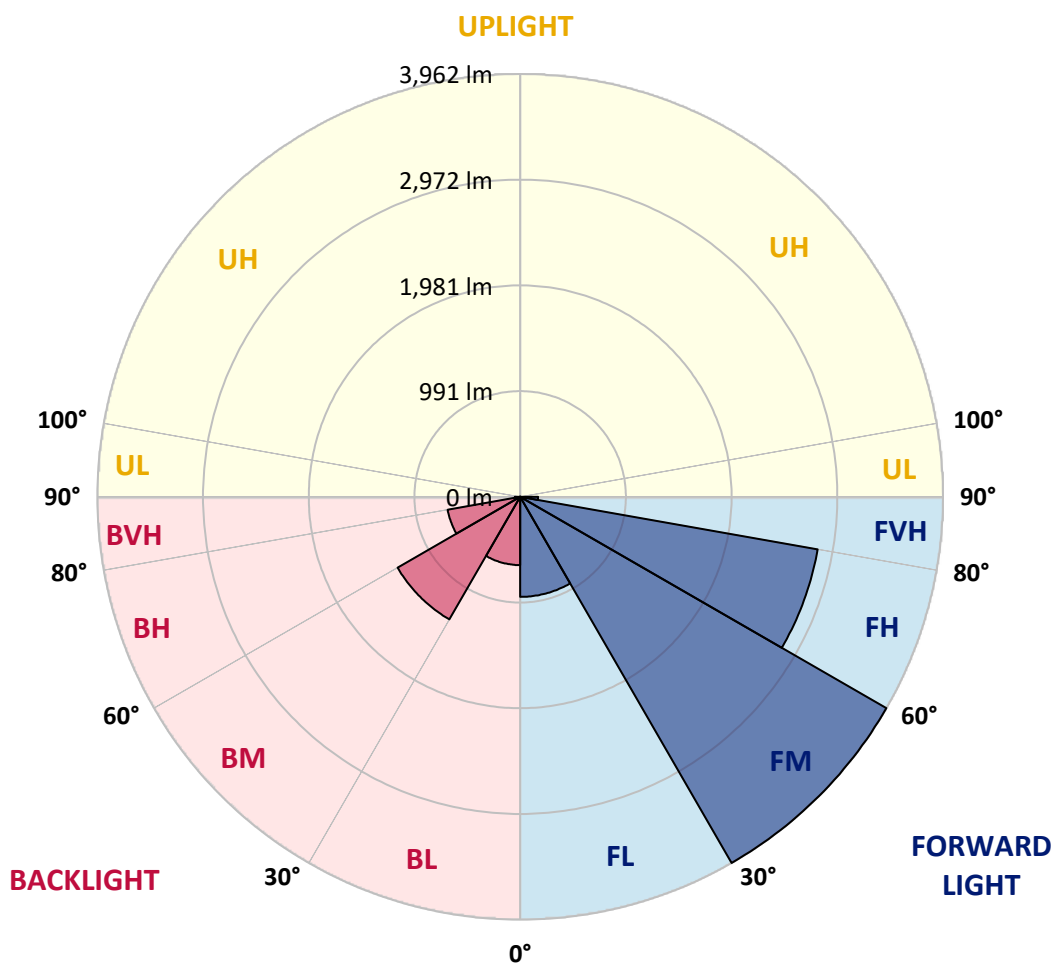
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	937.4	8.8			
FM	(30°-60°)	3962.3	37.4			
FH	(60°-80°)	2830.7	26.7			G2/5000
FVH	(80°-90°)	168.4	1.6			G2/225
BL	(0°-30°)	639.8	6.0	B2/1000		
BM	(30°-60°)	1325.9	12.5	B2/2500		
BH	(60°-80°)	689.8	6.5	B2/1000		G2/1000
BVH	(80°-90°)	50.3	0.5			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7
2.5°	1865.4	1873.7	1880.4	1883.7	1872.1	1870.4	1862.1	1847.2	1842.3	1837.3	1825.7
5°	1923.4	1935.0	1941.7	1936.7	1931.7	1920.1	1901.9	1878.7	1875.4	1862.1	1835.6
7.5°	1988.0	1991.4	2003.0	1999.6	1991.4	1968.2	1946.6	1908.5	1903.5	1883.7	1852.2
10°	2042.7	2052.7	2059.3	2056.0	2049.3	2029.5	1999.6	1964.8	1949.9	1916.8	1877.0
12.5°	2090.8	2094.1	2105.7	2109.0	2102.4	2085.8	2057.6	2011.2	2001.3	1959.9	1893.6
15°	2130.5	2128.9	2148.7	2152.1	2155.4	2138.8	2115.6	2062.6	2046.0	1999.6	1921.8
17.5°	2163.7	2163.7	2178.6	2190.2	2198.4	2193.5	2175.2	2112.3	2095.7	2039.4	1945.0
20°	2198.4	2200.1	2216.7	2228.3	2244.8	2251.5	2233.2	2178.6	2157.0	2087.4	1976.4
22.5°	2276.3	2279.6	2284.6	2289.6	2302.8	2312.8	2307.8	2243.2	2233.2	2150.4	2011.2
25°	2456.9	2445.3	2438.7	2392.3	2377.4	2380.7	2382.3	2327.7	2304.5	2216.7	2051.0
27.5°	2695.5	2682.2	2662.3	2572.9	2504.9	2466.8	2456.9	2398.9	2374.1	2274.6	2099.0
30°	2970.5	2975.4	2944.0	2833.0	2667.3	2564.6	2528.1	2470.1	2443.6	2331.0	2132.2
32.5°	3250.4	3267.0	3235.5	3101.3	2886.0	2687.2	2620.9	2549.7	2523.2	2397.2	2173.6
35°	3507.2	3494.0	3482.4	3344.9	3081.5	2836.3	2728.6	2654.0	2622.6	2493.3	2251.5
37.5°	3666.3	3709.4	3697.8	3540.4	3240.5	2975.4	2862.8	2768.3	2740.2	2597.7	2331.0
40°	3966.1	3952.9	3947.9	3730.9	3363.1	3084.8	2987.0	2910.8	2879.3	2723.6	2418.8
42.5°	4206.4	4242.8	4160.0	3888.3	3508.9	3205.7	3116.3	3048.3	3011.9	2836.3	2481.7
45°	4264.3	4246.1	4219.6	3966.1	3712.7	3321.7	3255.4	3215.7	3177.6	2980.4	2586.1
47.5°	4279.3	4246.1	4183.2	4024.1	3865.1	3452.6	3406.2	3419.4	3383.0	3167.6	2730.2
50°	4186.5	4155.0	4146.7	4050.6	3952.9	3585.1	3578.5	3649.7	3636.5	3378.0	2872.7
52.5°	3966.1	3969.5	4014.2	4017.5	3909.8	3689.5	3778.9	3926.4	3909.8	3600.0	3023.5
55°	3568.5	3593.4	3765.7	3881.6	3855.1	3762.4	4010.9	4249.4	4237.8	3861.8	3182.5
57.5°	3199.1	3214.0	3353.2	3676.2	3754.1	3833.6	4234.5	4592.4	4552.6	4143.4	3348.2
60°	2717.0	2751.8	2960.5	3378.0	3611.6	3893.2	4466.5	4933.7	4912.1	4425.0	3508.9
62.5°	2233.2	2203.4	2506.6	2968.8	3401.2	3908.2	4660.3	5217.0	5213.6	4693.4	3643.1
65°	1666.6	1674.9	2089.1	2576.2	3093.1	3835.3	4781.2	5473.7	5485.3	4930.3	3744.1
67.5°	1143.1	1138.2	1607.0	2122.2	2690.5	3641.4	4768.0	5611.2	5627.8	5049.6	3752.4
68°	1055.3	1060.3	1502.6	2029.5	2574.5	3573.5	4736.5	5622.8	5644.4	5046.3	3735.9
70°	808.5	801.8	1176.3	1623.6	2152.1	3263.7	4560.9	5548.3	5598.0	5006.5	3610.0
72.5°	583.2	601.4	873.1	1202.8	1563.9	2614.3	4156.7	5163.9	5238.5	4670.2	3255.4
75°	449.0	457.2	604.7	844.9	1068.6	1878.7	3417.8	4256.1	4352.2	3928.0	2632.5
77.5°	339.6	342.9	391.0	573.2	710.7	1159.7	2326.0	3094.7	3179.2	2948.9	2011.2
80°	200.5	198.8	217.0	338.0	442.3	664.3	1317.1	1996.3	2064.2	2059.3	1451.3
82.5°	120.9	124.3	124.3	174.0	227.0	352.9	675.9	1187.9	1312.1	1346.9	990.7
85°	43.1	44.7	48.0	63.0	81.2	127.6	210.4	333.0	372.8	410.9	256.8
87.5°	1.7	1.7	1.7	3.3	5.0	11.6	21.5	14.9	14.9	16.6	9.9
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°	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7
2.5°	1820.7	1812.4	1795.9	1785.9	1781.0	1771.0	1757.8	1752.8	1744.5	1737.9	1736.2
5°	1824.0	1807.5	1784.3	1757.8	1742.8	1719.7	1708.1	1698.1	1678.2	1671.6	1665.0
7.5°	1835.6	1814.1	1774.3	1731.3	1701.4	1674.9	1651.7	1625.2	1610.3	1605.3	1600.4
10°	1847.2	1820.7	1756.1	1706.4	1663.3	1626.9	1600.4	1568.9	1560.6	1545.7	1542.4
12.5°	1862.1	1825.7	1747.8	1681.6	1625.2	1580.5	1545.7	1517.5	1497.7	1491.0	1497.7
15°	1877.0	1827.3	1734.6	1653.4	1587.1	1535.8	1497.7	1471.2	1452.9	1439.7	1436.4
17.5°	1888.6	1835.6	1719.7	1625.2	1545.7	1489.4	1443.0	1421.4	1404.9	1396.6	1399.9
20°	1905.2	1842.3	1703.1	1590.4	1504.3	1443.0	1401.6	1376.7	1361.8	1361.8	1353.5
22.5°	1935.0	1852.2	1693.1	1562.3	1467.8	1401.6	1360.2	1338.6	1322.0	1332.0	1333.6
25°	1961.5	1862.1	1674.9	1525.8	1423.1	1355.2	1320.4	1302.2	1300.5	1307.1	1313.8
27.5°	1984.7	1867.1	1653.4	1479.4	1363.5	1303.8	1279.0	1274.0	1279.0	1283.9	1295.5
30°	2004.6	1875.4	1623.6	1429.7	1302.2	1245.8	1235.9	1249.2	1257.4	1265.7	1274.0
32.5°	2037.7	1885.3	1593.7	1373.4	1240.9	1189.5	1202.8	1229.3	1242.5	1249.2	1262.4
35°	2090.8	1918.5	1575.5	1318.7	1172.9	1136.5	1172.9	1211.0	1217.7	1221.0	1230.9
37.5°	2153.7	1961.5	1565.6	1267.4	1106.7	1091.8	1141.5	1186.2	1184.5	1181.2	1194.5
40°	2216.7	1994.7	1550.7	1214.4	1048.7	1040.4	1100.0	1141.5	1134.8	1121.6	1128.2
42.5°	2254.8	2001.3	1517.5	1166.3	995.7	992.4	1043.7	1078.5	1066.9	1068.6	1078.5
45°	2326.0	2027.8	1482.7	1123.2	947.6	934.4	970.8	1004.0	1025.5	1047.0	1060.3
47.5°	2417.1	2067.6	1452.9	1073.5	906.2	869.8	891.3	949.3	980.8	1000.6	1002.3
50°	2518.2	2117.3	1424.8	1025.5	863.1	800.2	813.4	876.4	899.6	912.8	917.8
52.5°	2622.6	2163.7	1401.6	979.1	818.4	725.6	748.8	811.8	831.7	836.6	836.6
55°	2715.3	2205.1	1376.7	939.3	763.7	659.4	684.2	748.8	767.1	775.3	783.6
57.5°	2826.3	2249.8	1366.8	902.9	705.8	609.7	619.6	689.2	709.1	714.0	719.0
60°	2915.8	2297.8	1358.5	869.8	647.8	553.3	568.2	626.2	654.4	656.1	659.4
62.5°	2992.0	2332.6	1351.9	825.0	598.1	505.3	510.3	571.6	598.1	604.7	611.3
65°	3030.1	2340.9	1325.4	772.0	546.7	460.6	460.6	516.9	550.0	561.6	568.2
67.5°	3010.2	2319.4	1262.4	702.4	498.7	419.1	412.5	463.9	488.7	498.7	500.3
68°	3001.9	2309.4	1240.9	687.5	492.0	409.2	404.2	449.0	473.8	477.1	478.8
70°	2887.6	2228.3	1144.8	632.9	453.9	377.7	367.8	405.9	430.7	407.5	407.5
72.5°	2574.5	1959.9	967.5	550.0	402.6	334.7	314.8	349.6	349.6	346.3	341.3
75°	2115.6	1545.7	765.4	452.3	347.9	286.6	271.7	280.0	276.7	288.3	281.6
77.5°	1598.7	1134.8	583.2	351.2	276.7	231.9	213.7	205.4	203.8	198.8	188.9
80°	1108.3	780.3	412.5	266.7	200.5	162.4	159.0	144.1	139.2	94.4	64.6
82.5°	743.9	518.5	281.6	177.3	127.6	101.1	86.1	87.8	76.2	28.2	1.7
85°	200.5	155.7	114.3	67.9	51.4	38.1	29.8	33.1	29.8	11.6	1.7
87.5°	8.3	6.6	8.3	8.3	5.0	3.3	1.7	1.7	1.7	1.7	1.7
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)