

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: P1462416

Luminaire Tested: PRV-P-90-8540-U-5MQ

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462416
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-90-8540-U-5MQ
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 90W 85CRI 4000k FIXTURE w/ TYPE V
SQUARE MEDIUM DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10548 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - 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

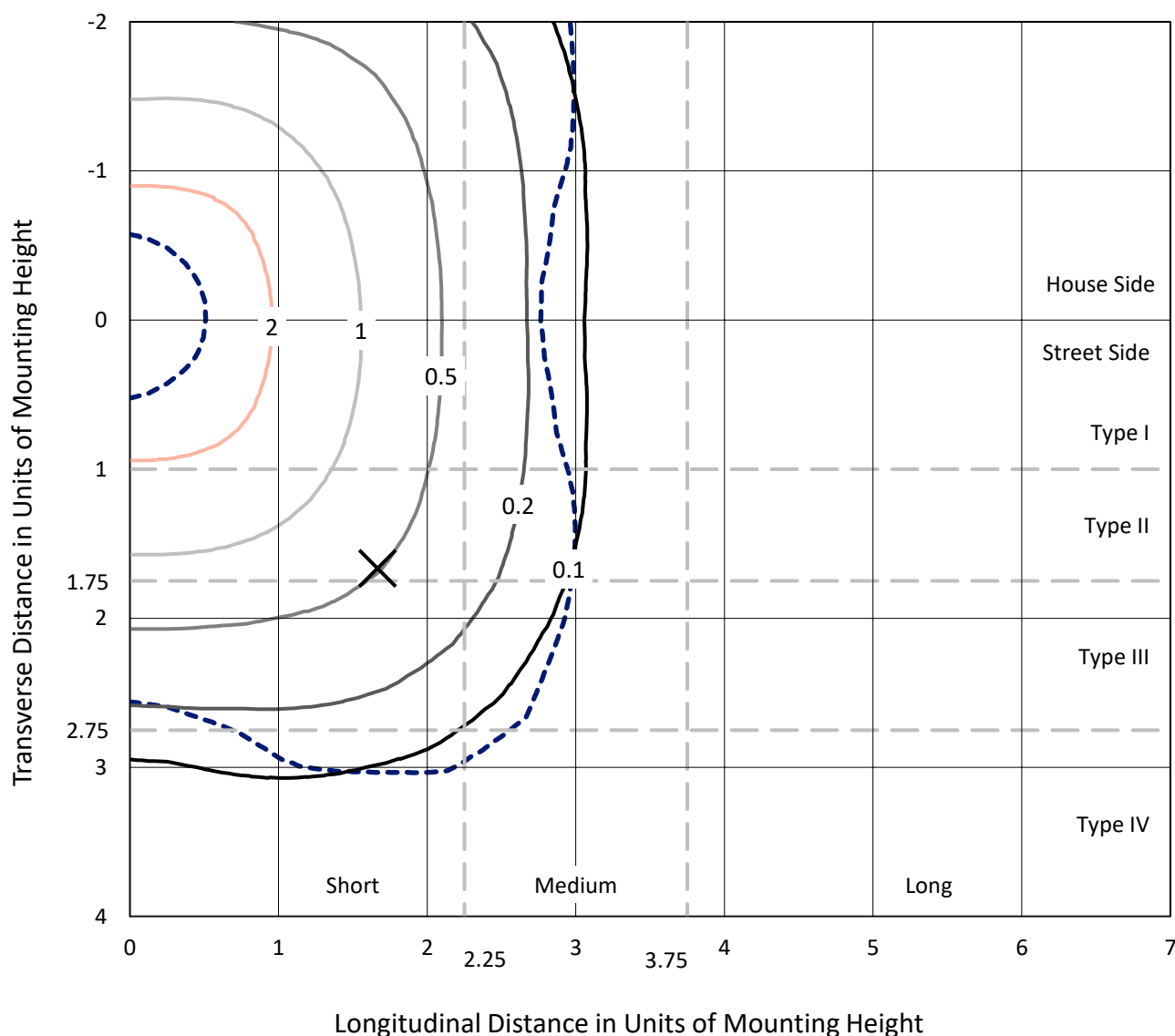
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



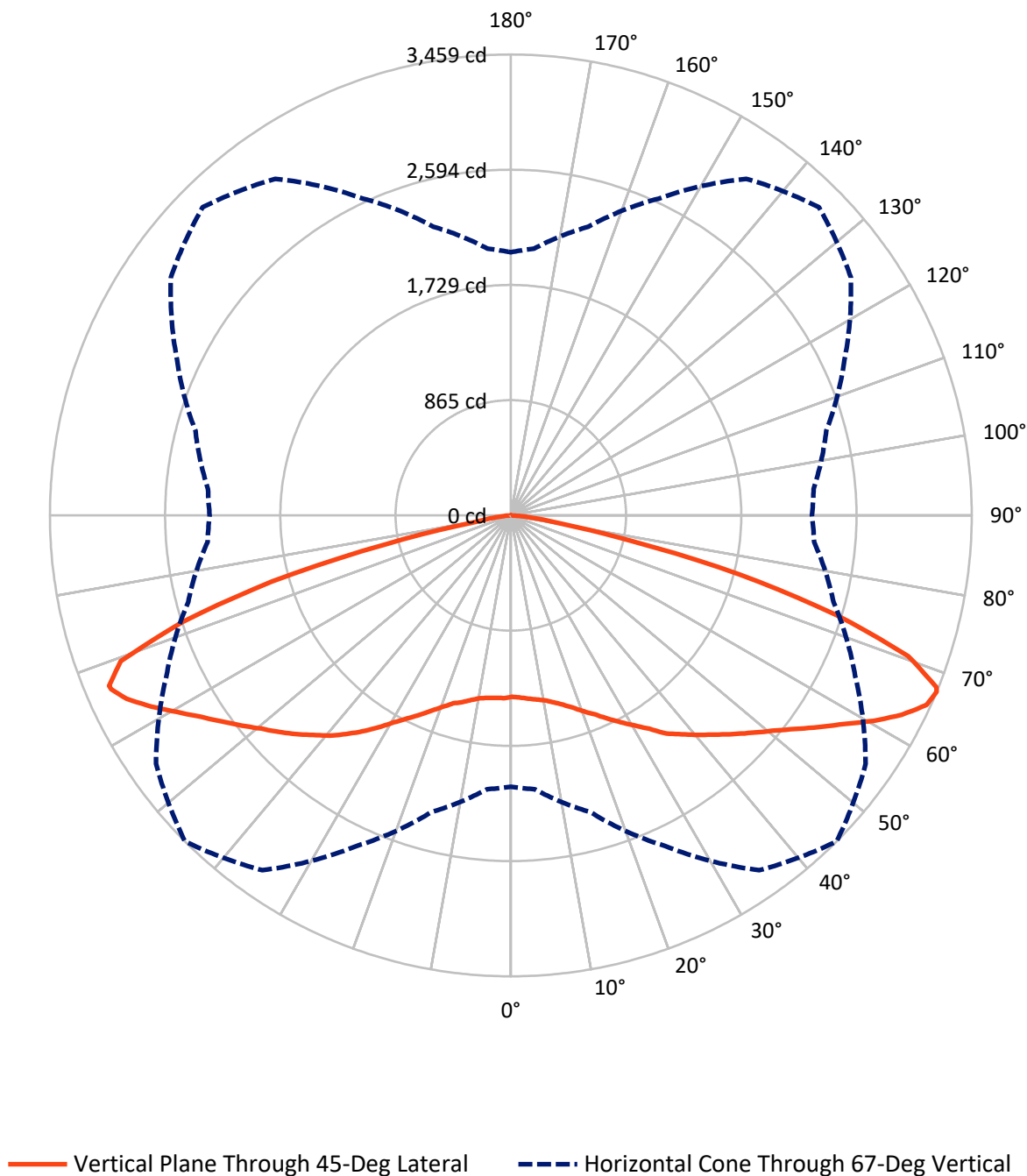
Based on 20 foot mounting height. Maximum calculated value = 3.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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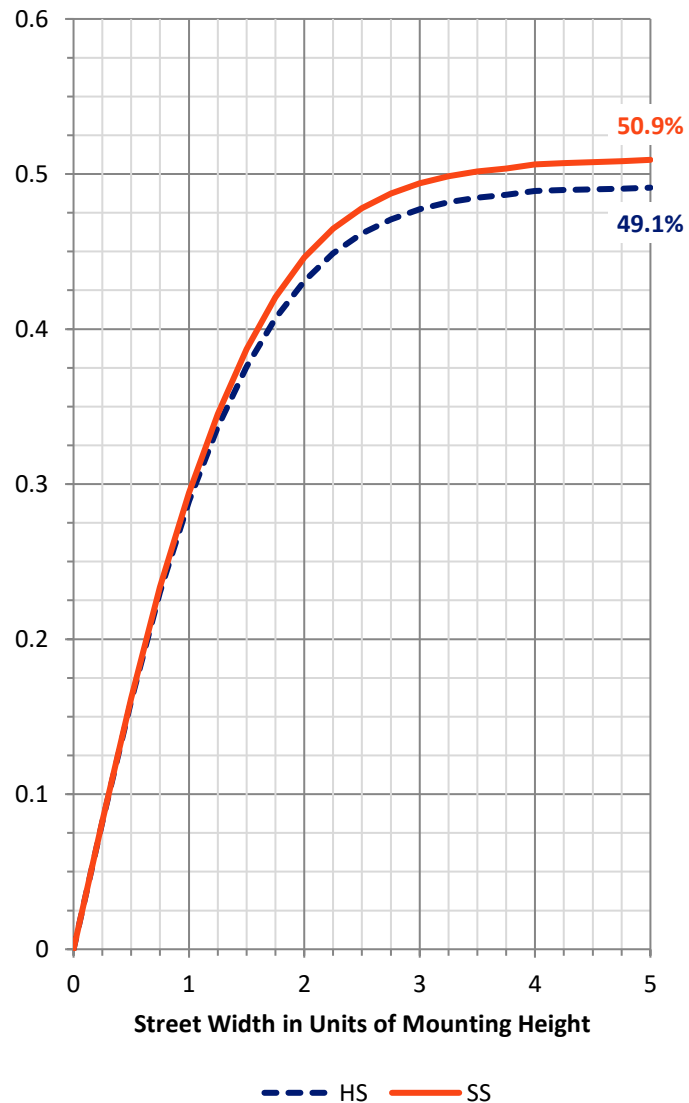
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5175.1	0.0	5175.1
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	5372.9	0.0	5372.9
	% Fixture	50.9	0.0	50.9
Total	Lumens	10548.0	0.0	10548.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	1.2
10°-20°	417.1	4.0
20°-30°	773.0	7.3
30°-40°	1222.1	11.6
40°-50°	1711.7	16.2
50°-60°	2318.9	22.0
60°-70°	2693.8	25.5
70°-80°	1209.2	11.5
80°-90°	70.4	0.7
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°	10548.0	100.0
0°-180°	10548.0	100.0

Coefficient of Utilization



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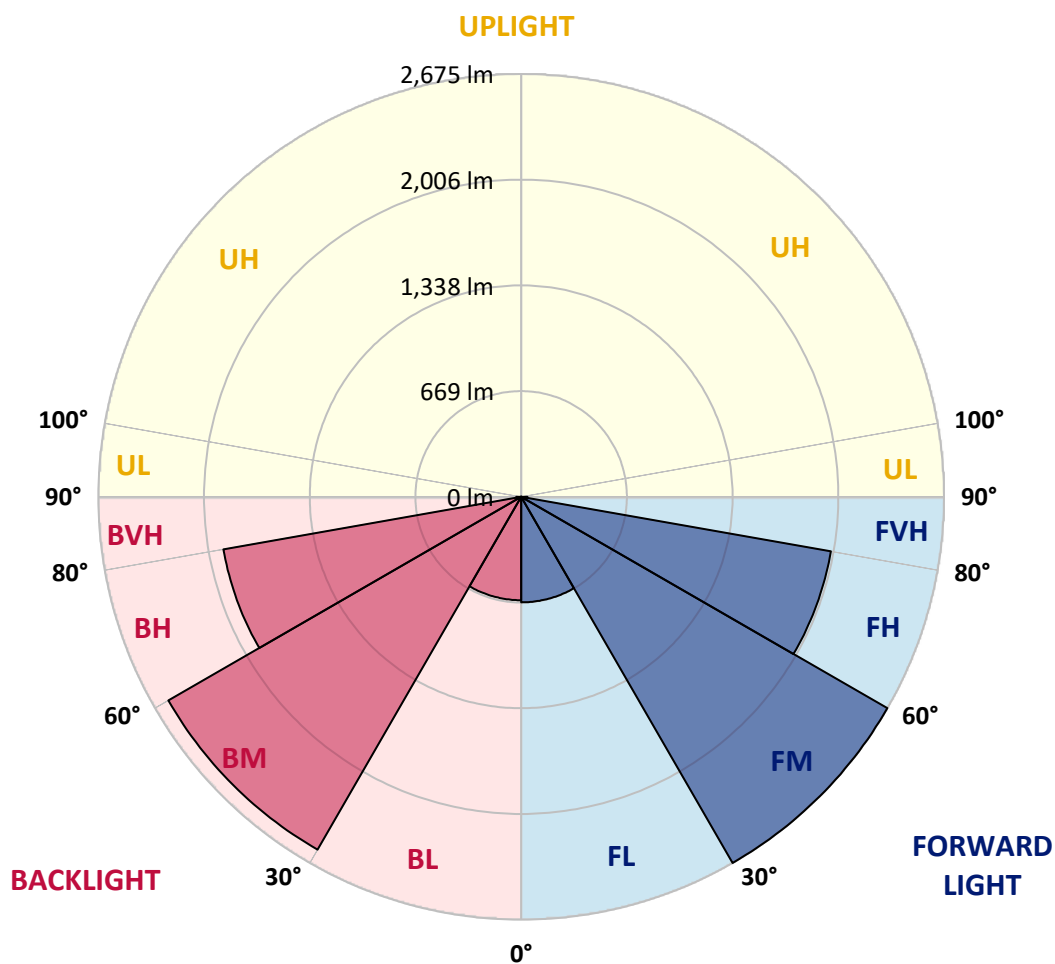
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	667.8	6.3			
FM	(30°-60°)	2675.2	25.4			
FH	(60°-80°)	1989.8	18.9			G2/5000
FVH	(80°-90°)	40.1	0.4			G1/100
BL	(0°-30°)	654.1	6.2	B2/1000		
BM	(30°-60°)	2577.6	24.4	B3/5000		
BH	(60°-80°)	1913.1	18.1	B3/2500		G2/5000
BVH	(80°-90°)	30.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7
2.5°	1361.7	1361.7	1366.7	1368.3	1365.0	1368.3	1368.3	1363.4	1365.0	1365.0	1365.0
5°	1370.0	1371.6	1375.0	1379.9	1378.3	1381.6	1376.6	1371.6	1373.3	1371.6	1370.0
7.5°	1379.9	1379.9	1388.2	1394.8	1394.8	1394.8	1386.6	1384.9	1386.6	1383.2	1381.6
10°	1403.1	1404.8	1413.1	1413.1	1413.1	1411.4	1408.1	1403.1	1404.8	1404.8	1401.5
12.5°	1432.9	1432.9	1442.9	1442.9	1444.5	1439.6	1437.9	1434.6	1434.6	1432.9	1432.9
15°	1467.7	1471.0	1481.0	1479.3	1479.3	1474.4	1474.4	1471.0	1471.0	1466.1	1466.1
17.5°	1509.1	1510.8	1519.1	1519.1	1520.7	1517.4	1515.8	1509.1	1512.5	1507.5	1507.5
20°	1557.2	1562.2	1568.8	1568.8	1570.4	1570.4	1563.8	1555.5	1558.8	1558.8	1553.9
22.5°	1608.5	1613.5	1625.1	1626.8	1626.8	1623.4	1616.8	1605.2	1608.5	1611.9	1608.5
25°	1664.9	1666.5	1681.4	1688.1	1694.7	1689.7	1678.1	1668.2	1669.8	1671.5	1671.5
27.5°	1719.5	1724.5	1741.1	1754.3	1756.0	1757.6	1747.7	1737.8	1741.1	1742.7	1739.4
30°	1780.8	1789.1	1807.3	1822.2	1827.2	1828.9	1820.6	1812.3	1809.0	1807.3	1807.3
32.5°	1852.1	1853.7	1873.6	1893.5	1911.7	1910.0	1900.1	1888.5	1880.2	1876.9	1876.9
35°	1908.4	1915.0	1941.5	1969.7	1997.8	2009.4	1992.9	1961.4	1946.5	1938.2	1936.5
37.5°	1954.8	1963.0	1996.2	2034.3	2069.1	2084.0	2067.4	2029.3	2004.5	1992.9	1989.6
40°	2007.8	2014.4	2049.2	2098.9	2145.3	2165.1	2138.6	2090.6	2059.1	2044.2	2040.9
42.5°	2052.5	2059.1	2102.2	2165.1	2223.1	2248.0	2216.5	2160.2	2115.5	2090.6	2090.6
45°	2107.2	2110.5	2161.8	2239.7	2315.9	2340.7	2302.6	2231.4	2181.7	2150.2	2146.9
47.5°	2193.3	2196.6	2254.6	2324.2	2410.3	2436.8	2402.0	2312.6	2251.3	2218.2	2216.5
50°	2304.3	2312.6	2375.5	2448.4	2521.3	2541.2	2514.7	2421.9	2340.7	2296.0	2291.0
52.5°	2415.3	2428.5	2499.8	2584.3	2647.2	2662.1	2637.3	2532.9	2436.8	2377.2	2372.2
55°	2531.3	2544.5	2620.7	2731.7	2793.0	2804.6	2759.9	2647.2	2537.9	2465.0	2455.0
57.5°	2599.2	2612.4	2720.1	2865.9	2945.4	2952.0	2900.7	2759.9	2640.6	2546.2	2532.9
60°	2597.5	2614.1	2759.9	2963.6	3107.7	3129.3	3041.5	2880.8	2725.1	2610.8	2587.6
62.5°	2559.4	2582.6	2731.7	3010.0	3261.8	3293.3	3187.3	2971.9	2764.8	2627.3	2605.8
65°	2359.0	2383.8	2580.9	2940.4	3321.4	3429.1	3288.3	2966.9	2683.7	2496.5	2481.6
67°	2035.9	2062.4	2304.3	2736.7	3250.2	3458.9	3250.2	2851.0	2506.4	2284.4	2259.6
67.5°	1954.8	1986.2	2236.4	2680.3	3212.1	3444.0	3222.0	2789.7	2450.1	2228.1	2208.2
70°	1464.4	1530.7	1838.8	2325.8	2879.1	3162.4	2920.5	2465.0	2047.5	1802.4	1749.3
72.5°	932.7	993.9	1477.7	1982.9	2385.5	2552.8	2412.0	1948.1	1474.4	1211.0	1184.5
75°	266.7	316.4	757.1	1207.6	1696.3	1772.5	1457.8	1116.5	772.0	617.9	606.3
77.5°	137.5	139.2	231.9	498.6	820.0	922.7	584.8	414.1	326.3	288.2	294.9
80°	66.3	67.9	99.4	250.1	351.2	395.9	283.3	222.0	227.0	207.1	195.5
82.5°	34.8	36.4	51.4	109.3	160.7	203.8	203.8	155.7	152.4	144.1	129.2
85°	9.9	8.3	14.9	23.2	44.7	76.2	54.7	56.3	53.0	44.7	43.1
87.5°	1.7	1.7	1.7	1.7	3.3	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7	1361.7
2.5°	1365.0	1365.0	1365.0	1366.7	1371.6	1361.7	1368.3	1363.4	1358.4	1360.1
5°	1373.3	1368.3	1366.7	1371.6	1373.3	1368.3	1373.3	1366.7	1366.7	1360.1
7.5°	1379.9	1379.9	1373.3	1379.9	1379.9	1376.6	1375.0	1373.3	1373.3	1358.4
10°	1401.5	1396.5	1388.2	1388.2	1389.9	1389.9	1388.2	1384.9	1379.9	1373.3
12.5°	1431.3	1424.7	1414.7	1414.7	1414.7	1419.7	1414.7	1409.7	1401.5	1399.8
15°	1469.4	1457.8	1447.8	1446.2	1446.2	1444.5	1444.5	1437.9	1429.6	1426.3
17.5°	1507.5	1492.6	1479.3	1482.6	1474.4	1474.4	1467.7	1472.7	1462.8	1464.4
20°	1550.6	1539.0	1527.4	1529.0	1522.4	1525.7	1515.8	1514.1	1504.2	1504.2
22.5°	1603.6	1593.6	1580.4	1583.7	1578.7	1578.7	1567.1	1558.8	1548.9	1542.3
25°	1668.2	1653.3	1643.3	1643.3	1643.3	1635.0	1626.8	1618.5	1606.9	1601.9
27.5°	1739.4	1726.2	1717.9	1716.2	1709.6	1698.0	1688.1	1688.1	1669.8	1661.5
30°	1807.3	1800.7	1795.7	1789.1	1784.1	1782.5	1764.3	1747.7	1736.1	1727.8
32.5°	1870.3	1868.6	1870.3	1871.9	1875.2	1860.3	1840.5	1822.2	1795.7	1800.7
35°	1938.2	1934.9	1941.5	1959.7	1966.4	1951.4	1921.6	1883.5	1860.3	1853.7
37.5°	1991.2	1994.5	2016.1	2042.6	2054.2	2031.0	1981.3	1931.6	1898.4	1893.5
40°	2042.6	2054.2	2080.7	2120.4	2142.0	2107.2	2039.2	1978.0	1929.9	1924.9
42.5°	2097.2	2107.2	2142.0	2196.6	2216.5	2178.4	2097.2	2016.1	1956.4	1943.2
45°	2148.6	2161.8	2209.9	2279.5	2301.0	2254.6	2150.2	2045.9	1976.3	1964.7
47.5°	2213.2	2234.7	2289.4	2365.6	2382.2	2332.5	2214.8	2095.6	2014.4	2002.8
50°	2291.0	2310.9	2378.8	2456.7	2463.3	2412.0	2302.6	2178.4	2085.6	2067.4
52.5°	2370.6	2403.7	2481.6	2551.1	2561.1	2506.4	2398.7	2272.8	2165.1	2155.2
55°	2453.4	2486.5	2577.6	2650.5	2662.1	2620.7	2521.3	2383.8	2264.5	2243.0
57.5°	2532.9	2566.0	2662.1	2758.2	2774.8	2753.2	2635.6	2473.3	2349.0	2332.5
60°	2582.6	2630.6	2745.0	2864.2	2905.6	2877.5	2720.1	2524.6	2387.1	2363.9
62.5°	2609.1	2675.4	2821.2	2980.2	3054.7	3000.1	2756.5	2521.3	2359.0	2337.4
65°	2491.5	2632.3	2860.9	3096.1	3195.5	3087.9	2743.3	2445.1	2274.5	2238.0
67°	2281.1	2450.1	2763.2	3114.4	3270.1	3082.9	2622.4	2241.4	2009.4	1974.6
67.5°	2226.4	2398.7	2725.1	3096.1	3275.1	3073.0	2569.4	2175.1	1926.6	1900.1
70°	1767.6	1994.5	2402.0	2846.0	3124.3	2849.3	2244.7	1777.5	1469.4	1391.5
72.5°	1245.7	1469.4	1913.3	2367.3	2589.2	2408.7	1911.7	1428.0	949.2	878.0
75°	629.5	781.9	1134.8	1560.5	1860.3	1770.9	1201.0	646.1	202.1	159.0
77.5°	278.3	299.8	439.0	667.6	967.4	753.7	392.6	144.1	64.6	58.0
80°	193.8	215.4	213.7	243.5	263.4	230.3	155.7	61.3	21.5	8.3
82.5°	135.8	152.4	142.5	135.8	130.9	106.0	69.6	24.8	5.0	0.0
85°	44.7	56.3	48.0	53.0	54.7	28.2	6.6	1.7	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	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

(END OF REPORT)