

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: P1462468

Luminaire Tested: PRV-P-90-8540-U-T2R

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462468
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-90-8540-U-T2R
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 90W 85CRI 4000k FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10775.3 lumens
Efficiency: N/A
Efficacy: 114.0 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

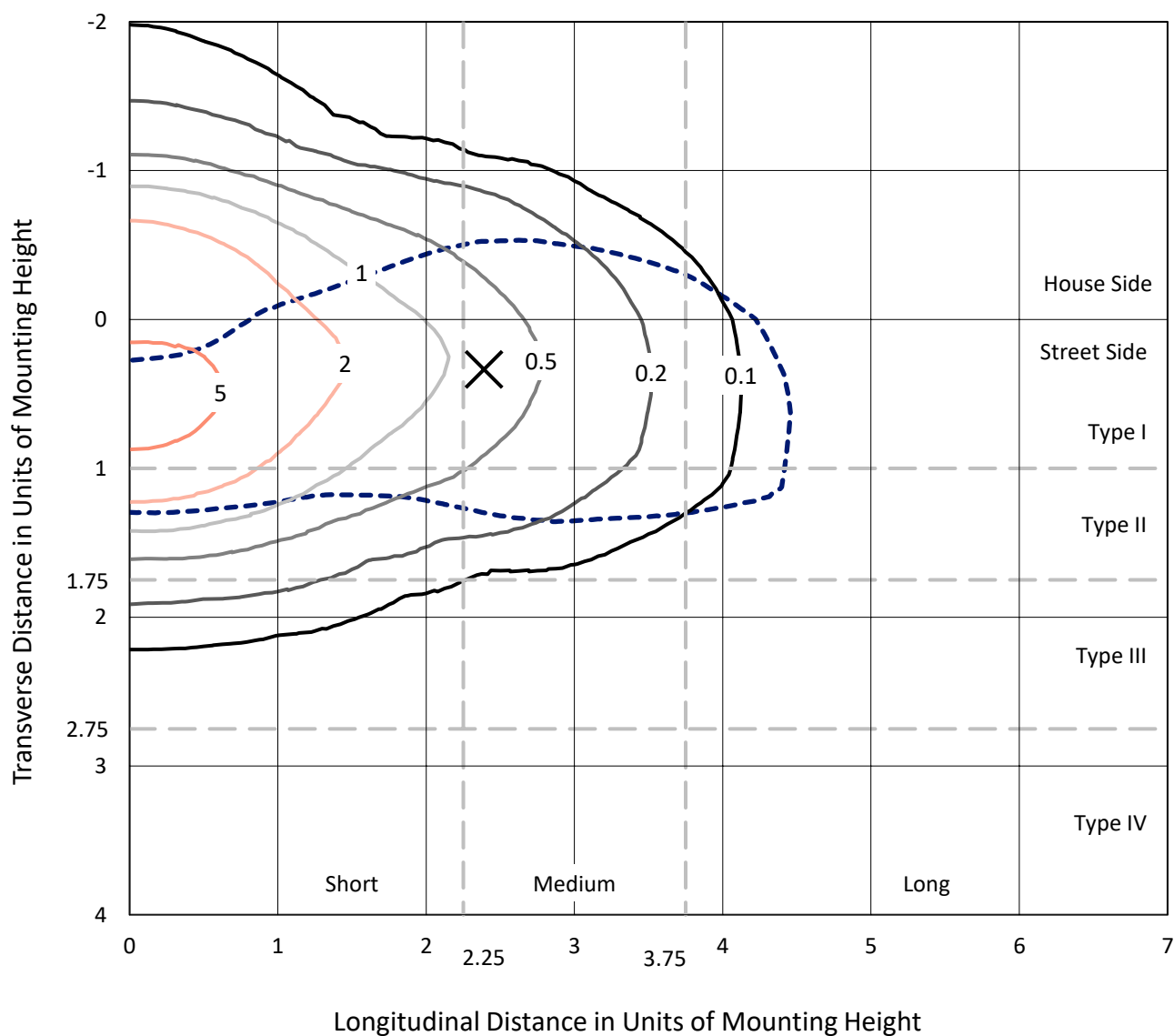
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

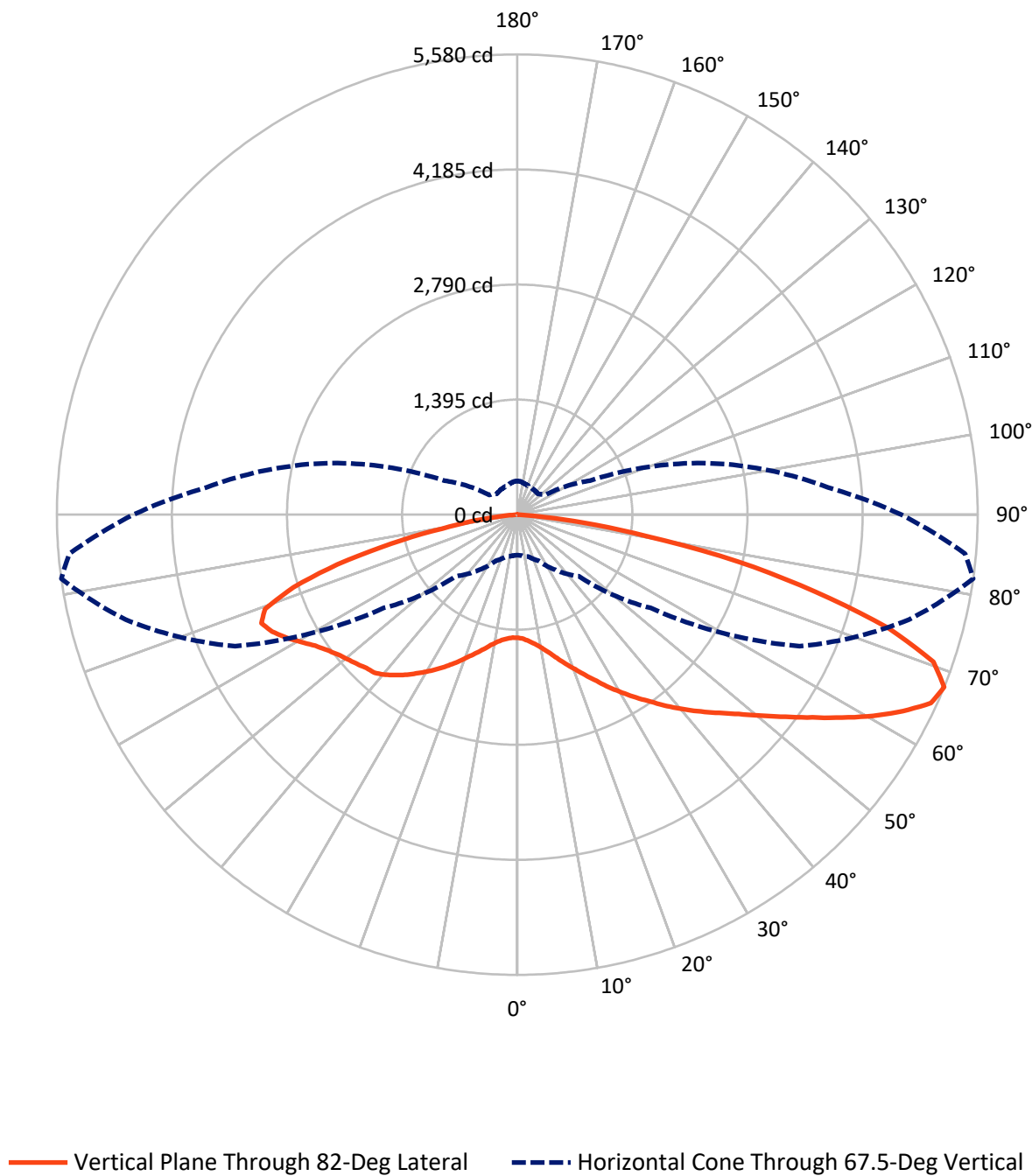


Based on 20 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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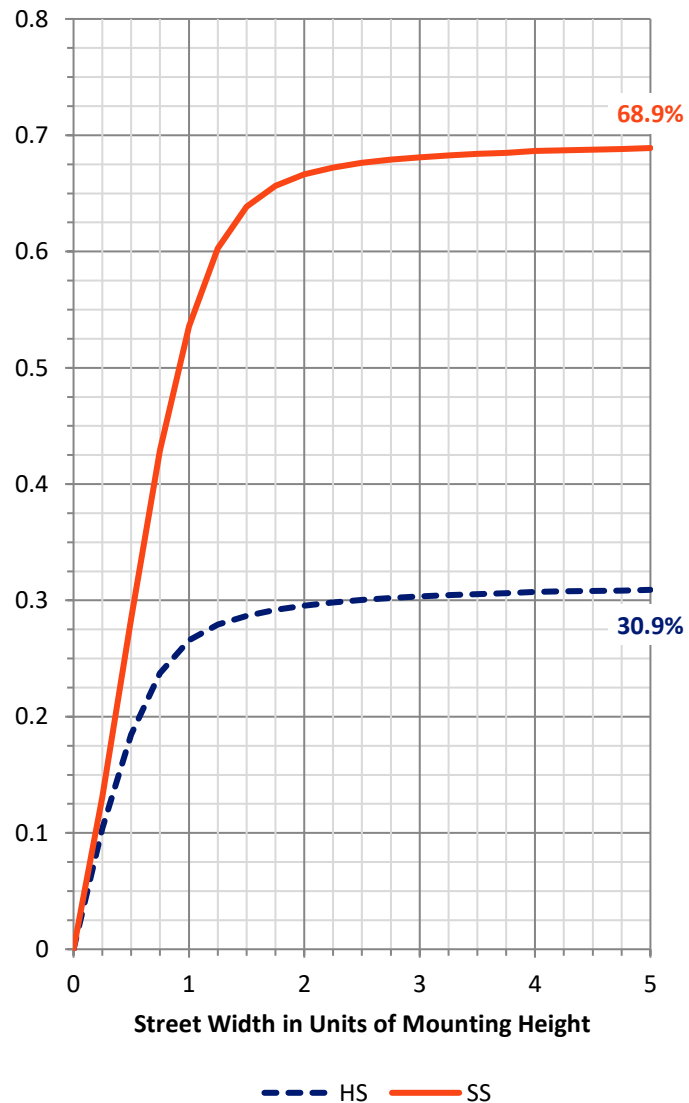
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3346.5	0.0	3346.5
	% Fixture	31.1	0.0	31.1
Street Side	Lumens	7428.8	0.0	7428.8
	% Fixture	68.9	0.0	68.9
Total	Lumens	10775.3	0.0	10775.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	1.4
10°-20°	566.6	5.3
20°-30°	1148.1	10.7
30°-40°	1797.2	16.7
40°-50°	2171.2	20.1
50°-60°	2045.2	19.0
60°-70°	1715.7	15.9
70°-80°	1032.0	9.6
80°-90°	143.8	1.3
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°	10775.3	100.0
0°-180°	10775.3	100.0

Coefficient of Utilization



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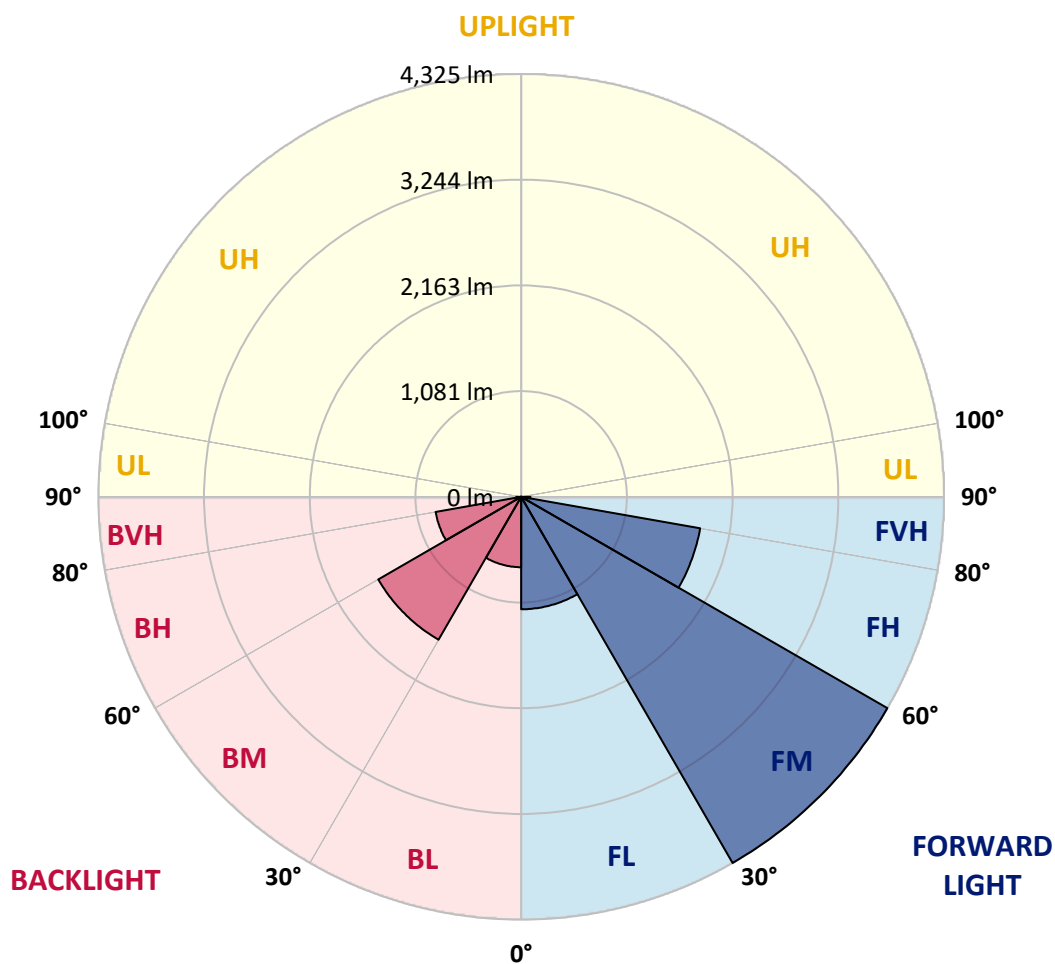
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1150.0	10.7			
FM	(30°-60°)	4325.4	40.1			
FH	(60°-80°)	1859.0	17.3			G2/5000
FVH	(80°-90°)	94.4	0.9			G1/100
BL	(0°-30°)	720.2	6.7	B2/1000		
BM	(30°-60°)	1688.3	15.7	B2/2500		
BH	(60°-80°)	888.7	8.2	B2/1000		G2/1000
BVH	(80°-90°)	49.3	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6
2.5°	1590.4	1588.7	1590.4	1598.7	1582.1	1573.8	1557.2	1535.7	1519.1	1507.5	1504.2
5°	1749.4	1759.4	1754.4	1742.8	1716.3	1681.5	1638.4	1590.4	1563.9	1544.0	1535.7
7.5°	1966.4	1951.5	1961.5	1926.7	1880.3	1820.6	1737.8	1679.8	1618.5	1585.4	1575.5
10°	2201.7	2200.0	2180.1	2143.7	2074.1	1983.0	1881.9	1780.9	1699.7	1643.4	1621.8
12.5°	2455.1	2453.5	2443.5	2375.6	2287.8	2156.9	2036.0	1905.1	1777.6	1717.9	1693.1
15°	2705.3	2718.5	2700.3	2620.8	2508.2	2345.8	2193.4	2034.4	1890.2	1804.1	1772.6
17.5°	2973.7	2972.0	2937.2	2857.7	2728.5	2561.2	2372.3	2161.9	1994.6	1900.2	1860.4
20°	3220.5	3248.7	3205.6	3122.8	2962.1	2779.8	2559.5	2317.6	2115.5	2001.2	1958.1
22.5°	3541.9	3538.6	3498.8	3372.9	3203.9	2985.3	2743.4	2485.0	2251.4	2112.2	2059.2
25°	3878.2	3886.5	3831.8	3679.4	3445.8	3210.6	2932.3	2667.2	2408.8	2234.8	2178.5
27.5°	4234.4	4241.0	4171.4	3987.5	3744.0	3440.8	3150.9	2844.4	2549.6	2370.7	2287.8
30°	4534.2	4539.2	4471.3	4284.1	4004.1	3686.0	3334.8	3023.4	2693.7	2503.2	2417.0
32.5°	4786.0	4772.8	4699.9	4527.6	4265.8	3924.6	3548.5	3194.0	2864.3	2644.0	2547.9
35°	4908.6	4923.5	4870.5	4713.1	4471.3	4148.2	3780.5	3396.1	3021.7	2783.2	2687.1
37.5°	4907.0	4921.9	4903.7	4800.9	4600.5	4323.8	3975.9	3606.5	3218.9	2943.8	2826.2
40°	4791.0	4810.9	4820.8	4767.8	4635.3	4438.1	4133.3	3793.7	3397.8	3102.9	2977.0
42.5°	4572.3	4587.2	4618.7	4592.2	4570.7	4458.0	4255.9	3977.6	3580.0	3263.6	3119.5
45°	4285.7	4295.7	4327.1	4355.3	4393.4	4381.8	4308.9	4141.6	3788.7	3429.2	3261.9
47.5°	3883.2	3918.0	3994.2	4091.9	4159.8	4239.3	4290.7	4249.3	3982.6	3611.5	3425.9
50°	3396.1	3392.8	3532.0	3692.6	3894.8	4014.0	4179.7	4322.2	4201.2	3828.5	3621.4
52.5°	2682.1	2721.9	2897.5	3213.9	3548.5	3768.9	4005.8	4320.5	4408.3	4072.0	3846.7
55°	1986.3	2077.4	2296.1	2615.8	3086.3	3492.2	3790.4	4234.4	4598.8	4340.4	4096.9
57.5°	1444.6	1444.6	1678.2	1983.0	2554.5	3144.3	3588.3	4086.9	4741.3	4641.9	4391.8
60°	1052.0	1045.3	1214.3	1476.1	1933.3	2599.3	3386.2	3952.7	4863.9	4955.0	4711.5
62.5°	773.7	768.7	858.1	1076.8	1433.0	2026.1	3048.2	3889.8	4926.8	5244.9	5042.8
65°	604.7	609.6	661.0	795.2	1076.8	1459.5	2574.4	3888.1	4935.1	5510.0	5319.5
67.5°	490.4	497.0	526.8	617.9	821.7	1055.3	1971.4	3773.8	4915.2	5579.6	5448.7
70°	414.2	415.8	444.0	508.6	622.9	793.5	1386.6	3435.9	4810.9	5350.9	5253.2
72.5°	342.9	347.9	377.7	419.1	502.0	611.3	931.0	2814.6	4456.4	4706.5	4632.0
75°	281.6	278.3	301.5	352.9	407.5	477.1	656.0	1996.3	3783.8	3734.1	3644.6
77.5°	223.6	222.0	243.5	291.6	324.7	374.4	472.1	1265.7	2781.5	2735.1	2663.9
80°	160.7	152.4	165.7	210.4	245.2	278.3	326.4	675.9	1633.4	1587.1	1610.3
82.5°	92.8	92.8	97.7	132.5	157.4	180.6	208.7	359.5	781.9	806.8	778.6
85°	21.5	23.2	26.5	33.1	46.4	66.3	76.2	116.0	195.5	210.4	208.7
87.5°	1.7	1.7	1.7	3.3	3.3	3.3	3.3	5.0	6.6	6.6	6.6
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°	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6	1492.6
2.5°	1497.6	1495.9	1481.0	1472.8	1474.4	1467.8	1459.5	1459.5	1454.5	1449.6	1447.9
5°	1520.8	1510.9	1494.3	1479.4	1479.4	1472.8	1469.4	1461.2	1459.5	1454.5	1456.2
7.5°	1552.3	1537.4	1514.2	1499.3	1499.3	1494.3	1494.3	1487.7	1486.0	1479.4	1476.1
10°	1602.0	1580.4	1553.9	1537.4	1535.7	1534.0	1532.4	1530.7	1522.5	1515.8	1512.5
12.5°	1661.6	1635.1	1603.6	1592.0	1588.7	1585.4	1582.1	1572.2	1565.5	1557.2	1552.3
15°	1731.2	1704.7	1669.9	1655.0	1648.4	1641.7	1625.2	1615.2	1603.6	1590.4	1587.1
17.5°	1812.4	1774.3	1732.8	1716.3	1703.0	1688.1	1673.2	1650.0	1631.8	1616.9	1613.6
20°	1900.2	1853.8	1805.7	1780.9	1762.7	1736.2	1706.3	1676.5	1655.0	1636.8	1633.4
22.5°	1986.3	1941.6	1883.6	1848.8	1812.4	1770.9	1724.6	1684.8	1658.3	1640.1	1636.8
25°	2087.4	2031.0	1958.1	1903.5	1850.5	1792.5	1729.5	1678.2	1643.4	1625.2	1618.5
27.5°	2195.0	2123.8	2026.1	1956.5	1878.6	1790.8	1706.3	1648.4	1605.3	1580.4	1577.1
30°	2299.4	2216.6	2095.6	1986.3	1885.3	1770.9	1664.9	1588.7	1537.4	1504.2	1500.9
32.5°	2422.0	2314.3	2150.3	2014.5	1878.6	1737.8	1605.3	1512.5	1452.9	1419.7	1419.7
35°	2541.3	2417.0	2210.0	2036.0	1860.4	1684.8	1532.4	1424.7	1355.1	1317.0	1313.7
37.5°	2663.9	2513.1	2254.7	2037.7	1827.3	1613.6	1446.2	1330.3	1255.7	1211.0	1202.7
40°	2791.4	2612.5	2287.8	2022.8	1774.3	1532.4	1353.5	1225.9	1124.9	1066.9	1053.6
42.5°	2904.1	2698.7	2306.0	2002.9	1709.7	1439.6	1242.5	1088.4	980.7	927.7	917.8
45°	3000.2	2741.7	2294.4	1963.1	1626.8	1335.3	1100.0	941.0	849.9	796.8	785.2
47.5°	3117.8	2811.3	2286.2	1918.4	1529.1	1202.7	947.6	798.5	719.0	679.2	675.9
50°	3253.6	2880.9	2281.2	1860.4	1411.5	1047.0	796.8	666.0	603.0	571.5	568.2
52.5°	3396.1	2955.4	2284.5	1789.2	1267.3	873.0	662.7	563.3	510.2	493.7	490.4
55°	3593.3	3056.5	2297.8	1696.4	1103.3	720.6	558.3	483.7	453.9	445.6	445.6
57.5°	3803.6	3172.5	2322.6	1585.4	934.3	586.5	477.1	440.7	435.7	437.4	439.0
60°	4065.4	3333.2	2359.1	1466.1	767.0	490.4	430.7	422.4	427.4	442.3	445.6
62.5°	4317.2	3495.5	2422.0	1328.6	616.3	422.4	405.9	407.5	414.2	434.0	435.7
65°	4550.8	3649.6	2460.1	1166.3	506.9	384.3	387.7	387.7	404.2	432.4	434.0
67.5°	4651.8	3778.8	2408.8	974.1	415.8	354.5	361.1	367.8	382.7	404.2	407.5
70°	4554.1	3740.7	2145.3	743.8	346.2	324.7	329.7	336.3	354.5	376.1	386.0
72.5°	4085.3	3367.9	1648.4	533.4	296.5	289.9	294.9	306.5	319.7	344.6	359.5
75°	3354.7	2736.8	1159.6	362.8	255.1	251.8	265.1	273.3	266.7	271.7	280.0
77.5°	2443.5	1935.0	707.4	270.0	212.0	217.0	223.6	213.7	183.9	159.0	167.3
80°	1524.1	1138.1	409.2	200.5	164.0	160.7	157.4	142.5	104.4	71.2	31.5
82.5°	783.6	594.7	256.8	140.8	102.7	97.7	97.7	76.2	53.0	21.5	0.0
85°	187.2	169.0	101.1	58.0	38.1	36.4	24.8	9.9	3.3	0.0	0.0
87.5°	6.6	6.6	5.0	3.3	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)