

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: P1462052

Luminaire Tested: PRV-P-90-8540-U-T4W

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462052
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-90-8540-U-T4W
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 90W 85CRI 4000k FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10253.5 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
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

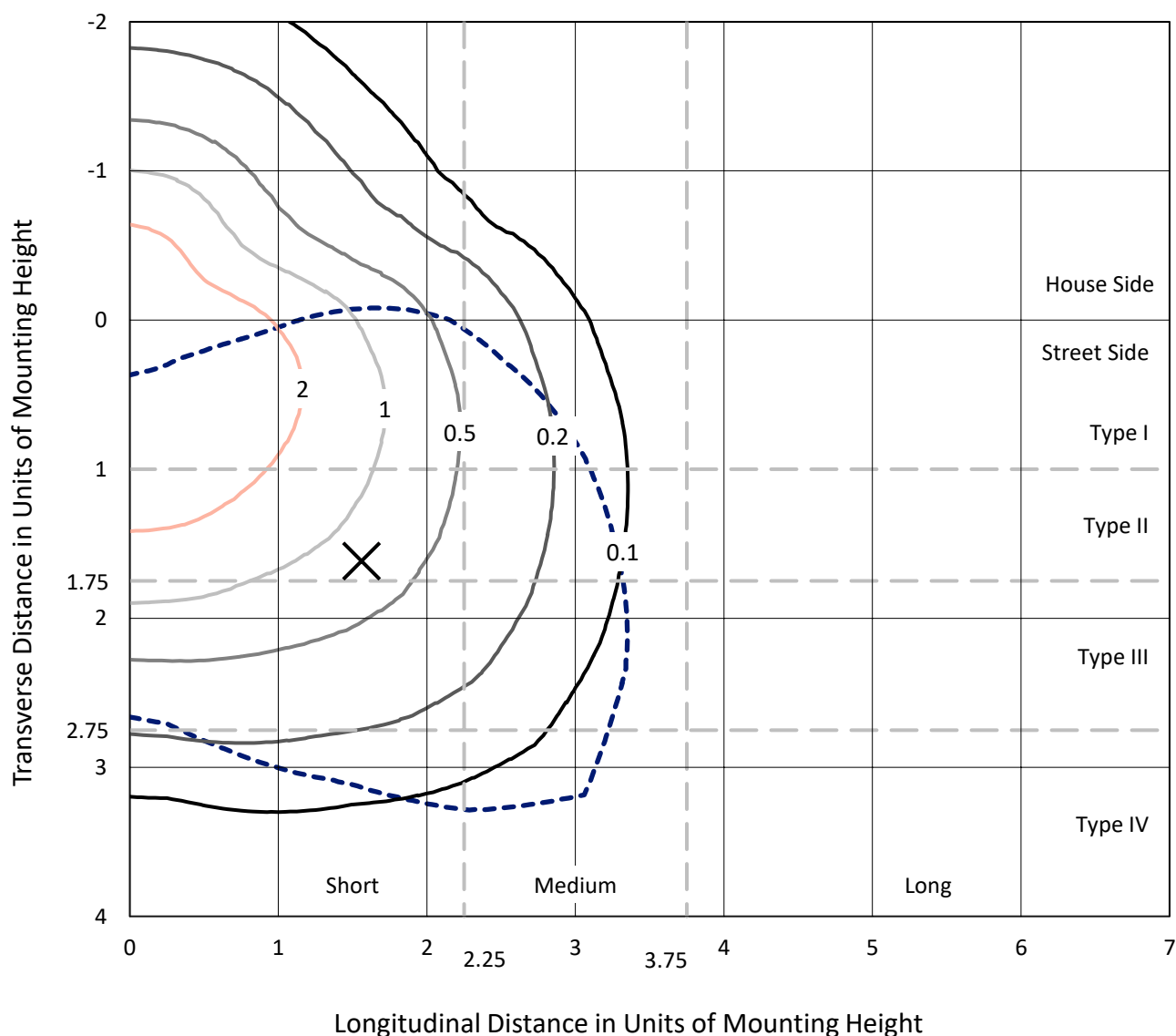
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



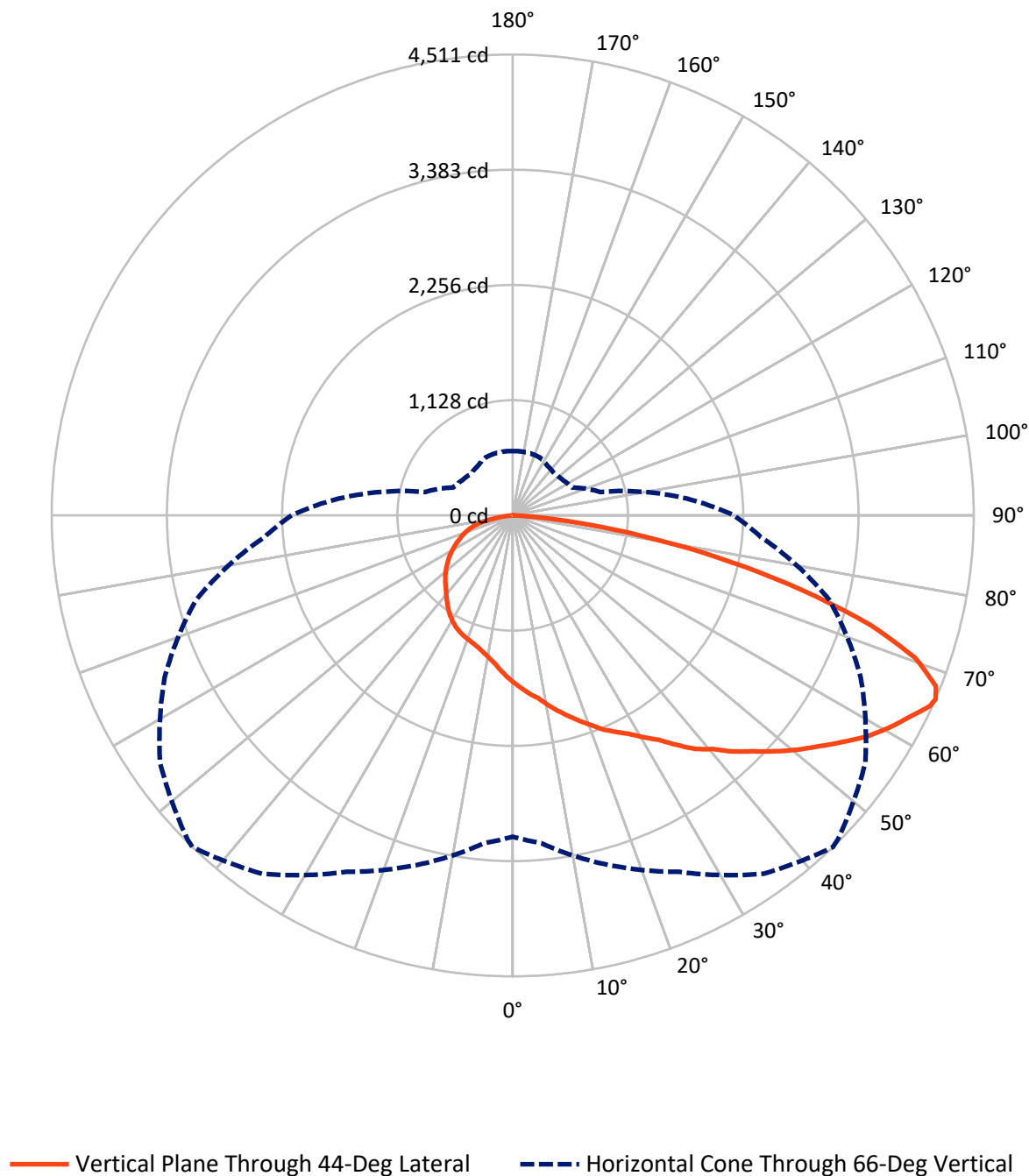
Based on 20 foot mounting height. Maximum calculated value = 4.8 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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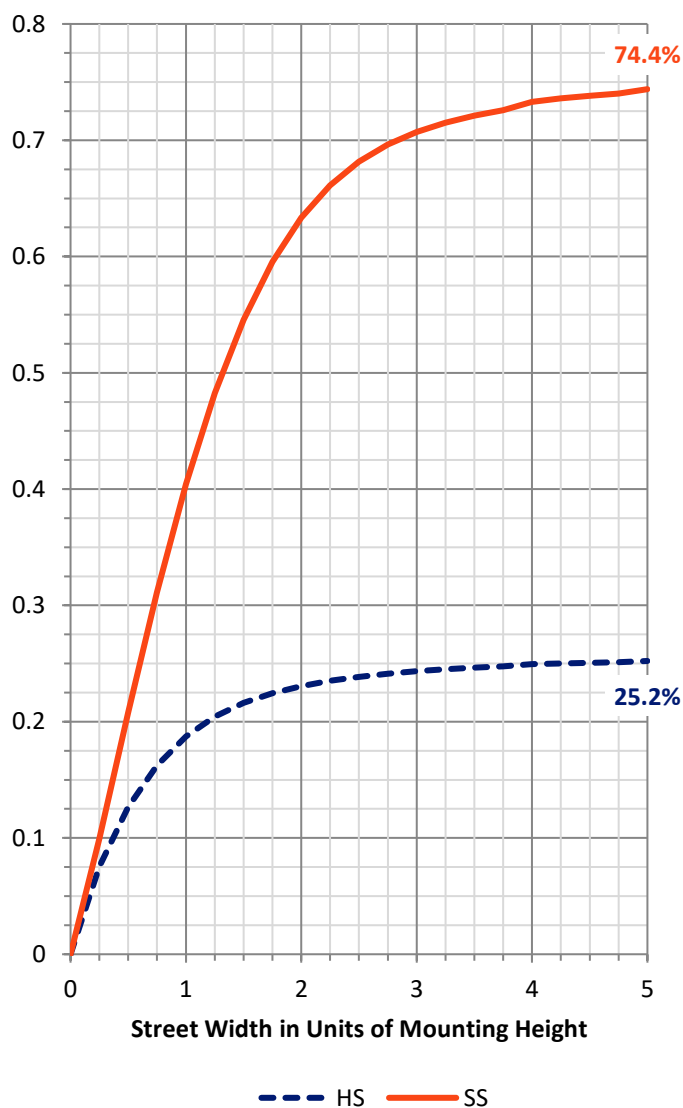
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2598.6	0.0	2598.6
	% Fixture	25.3	0.0	25.3
Street Side	Lumens	7654.9	0.0	7654.9
	% Fixture	74.7	0.0	74.7
Total	Lumens	10253.5	0.0	10253.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.5	1.5
10°-20°	481.9	4.7
20°-30°	836.4	8.2
30°-40°	1247.9	12.2
40°-50°	1706.8	16.6
50°-60°	2130.5	20.8
60°-70°	2204.6	21.5
70°-80°	1282.6	12.5
80°-90°	206.4	2.0
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°	10253.5	100.0
0°-180°	10253.5	100.0

Coefficient of Utilization



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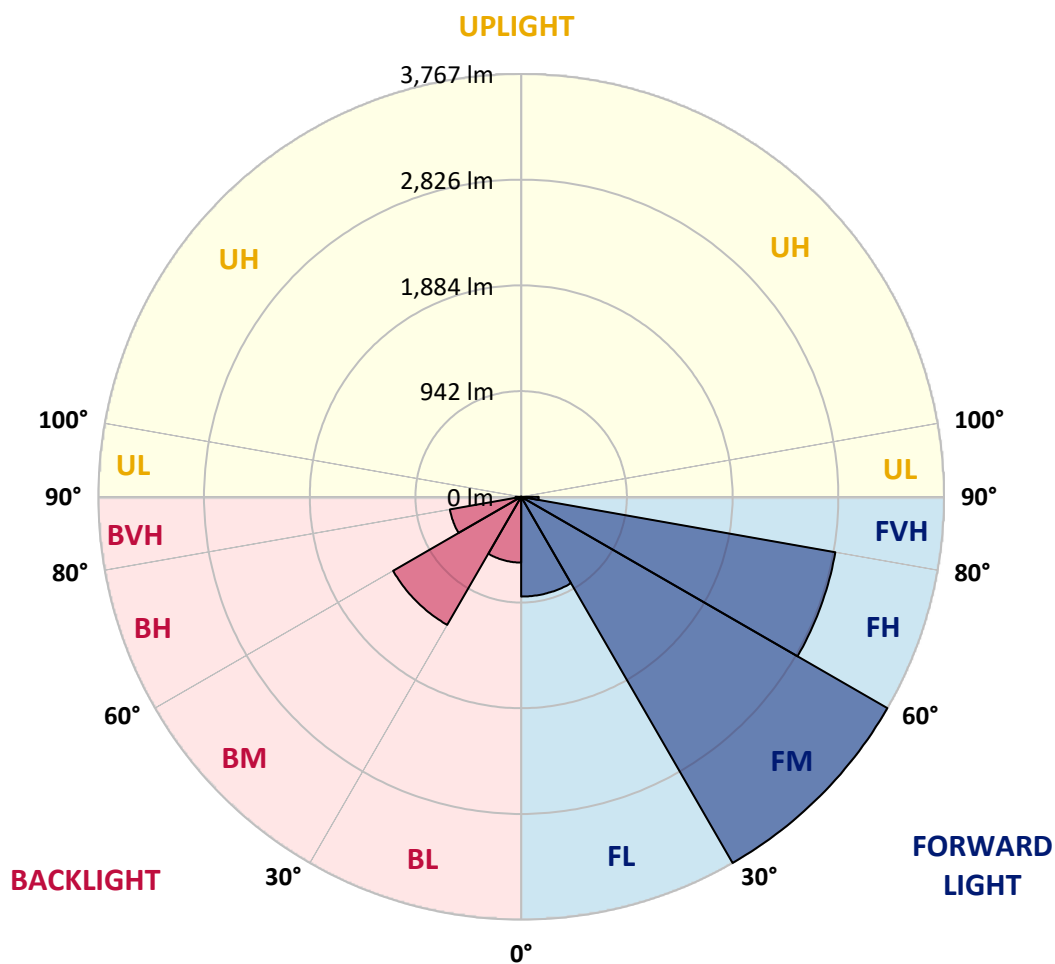
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	889.1	8.7			
FM	(30°-60°)	3767.4	36.7			
FH	(60°-80°)	2842.5	27.7			G2/5000
FVH	(80°-90°)	156.0	1.5			G2/225
BL	(0°-30°)	585.7	5.7	B2/1000		
BM	(30°-60°)	1317.7	12.9	B2/2500		
BH	(60°-80°)	644.7	6.3	B2/1000		G2/1000
BVH	(80°-90°)	50.5	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8
2.5°	1711.4	1711.4	1714.7	1711.4	1703.1	1694.8	1694.8	1688.2	1665.0	1661.7	1643.4
5°	1787.6	1792.5	1787.6	1780.9	1774.3	1756.1	1754.4	1732.9	1698.1	1673.3	1650.1
7.5°	1858.8	1867.1	1867.1	1858.8	1835.6	1805.8	1807.5	1782.6	1732.9	1696.5	1663.3
10°	1958.2	1954.9	1959.9	1938.3	1916.8	1885.3	1872.1	1834.0	1780.9	1734.6	1679.9
12.5°	2060.9	2051.0	2052.6	2029.5	2001.3	1961.5	1946.6	1890.3	1829.0	1769.3	1701.4
15°	2125.5	2130.5	2135.5	2109.0	2092.4	2036.1	2024.5	1969.8	1882.0	1802.5	1723.0
17.5°	2193.5	2181.9	2205.1	2181.9	2168.6	2113.9	2115.6	2036.1	1933.4	1847.2	1749.5
20°	2239.9	2243.2	2253.1	2251.4	2241.5	2190.2	2190.2	2125.5	2006.3	1887.0	1771.0
22.5°	2289.6	2291.2	2306.1	2307.8	2294.5	2276.3	2273.0	2195.1	2077.5	1943.3	1800.8
25°	2375.7	2369.1	2375.7	2362.4	2364.1	2347.5	2347.5	2301.1	2165.3	2002.9	1840.6
27.5°	2493.3	2495.0	2478.4	2461.8	2442.0	2420.4	2432.0	2379.0	2259.7	2077.5	1883.7
30°	2645.7	2649.1	2629.2	2581.1	2539.7	2518.2	2508.2	2481.7	2359.1	2153.7	1935.0
32.5°	2874.4	2852.8	2814.7	2738.5	2672.2	2617.6	2620.9	2584.4	2471.8	2243.2	1984.7
35°	3045.0	3030.1	3000.3	2937.3	2861.1	2756.7	2756.7	2693.8	2577.8	2335.9	2036.1
37.5°	3205.7	3207.4	3179.2	3101.3	3043.3	2900.9	2877.7	2793.2	2677.2	2425.4	2099.0
40°	3460.8	3407.8	3344.9	3267.0	3162.6	3006.9	2997.0	2914.1	2789.9	2528.1	2162.0
42.5°	3614.9	3585.1	3520.5	3421.1	3295.2	3159.3	3141.1	3031.8	2910.8	2632.5	2241.5
45°	3825.3	3775.6	3691.1	3623.2	3421.1	3293.5	3278.6	3172.6	3043.3	2746.8	2314.4
47.5°	3982.7	3873.4	3851.8	3805.4	3568.5	3449.2	3429.4	3320.0	3182.5	2889.3	2405.5
50°	4039.0	3977.7	4000.9	3918.1	3701.1	3605.0	3598.3	3485.7	3321.7	3013.5	2488.4
52.5°	4058.9	4073.8	4098.7	3984.4	3830.3	3754.1	3747.4	3639.8	3462.5	3129.5	2564.6
55°	4171.6	4168.2	4201.4	4085.4	3992.6	3916.4	3906.5	3812.1	3590.1	3230.6	2632.5
57.5°	4274.3	4232.9	4271.0	4183.2	4143.4	4083.8	4082.1	3971.1	3712.7	3313.4	2672.2
60°	4236.2	4176.5	4242.8	4171.6	4224.6	4224.6	4239.5	4098.7	3808.7	3383.0	2692.1
62.5°	3916.4	3914.8	4068.8	4090.4	4274.3	4352.1	4335.6	4176.5	3853.5	3391.3	2660.7
65°	3378.0	3441.0	3727.6	3952.9	4294.2	4491.3	4474.7	4208.0	3802.1	3276.9	2536.4
66°	3144.4	3220.6	3537.0	3848.5	4280.9	4511.2	4494.6	4213.0	3757.4	3209.0	2438.7
67.5°	2738.5	2823.0	3228.9	3666.3	4194.8	4466.4	4473.1	4186.5	3623.2	3040.0	2292.9
70°	2090.7	2180.2	2665.6	3169.3	3853.5	4179.8	4178.2	3906.5	3291.9	2657.3	1940.0
72.5°	1512.6	1565.6	2072.5	2553.0	3281.9	3654.7	3676.2	3363.1	2773.3	2168.6	1532.4
75°	1073.5	1100.0	1486.1	1901.9	2534.7	2932.3	2907.5	2635.8	2120.6	1625.2	1163.0
77.5°	732.3	786.9	1055.3	1332.0	1815.7	2168.6	2132.2	1830.6	1504.3	1141.5	848.2
80°	457.2	488.7	647.8	823.4	1159.7	1419.8	1426.4	1204.4	949.3	778.6	622.9
82.5°	251.8	265.1	377.7	455.6	566.6	747.2	775.3	724.0	589.8	508.6	437.4
85°	69.6	69.6	117.6	134.2	180.6	250.2	250.2	261.8	230.3	182.2	140.8
87.5°	3.3	3.3	3.3	5.0	5.0	5.0	5.0	8.3	6.6	3.3	3.3
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°	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8	1636.8
2.5°	1635.2	1630.2	1616.9	1605.3	1590.4	1582.1	1570.5	1560.6	1557.3	1547.4	1547.4
5°	1630.2	1621.9	1585.5	1562.3	1542.4	1519.2	1507.6	1491.0	1484.4	1472.8	1474.5
7.5°	1636.8	1620.2	1570.5	1525.8	1494.3	1459.5	1441.3	1431.4	1419.8	1409.8	1406.5
10°	1648.4	1621.9	1557.3	1496.0	1444.6	1411.5	1388.3	1371.7	1370.1	1365.1	1363.5
12.5°	1660.0	1623.6	1549.0	1472.8	1416.5	1375.1	1348.5	1335.3	1338.6	1346.9	1343.6
15°	1678.2	1633.5	1534.1	1441.3	1380.0	1338.6	1322.0	1315.4	1332.0	1338.6	1340.3
17.5°	1689.8	1638.5	1515.9	1413.2	1345.2	1312.1	1303.8	1310.4	1325.4	1345.2	1348.5
20°	1704.7	1641.8	1497.7	1383.3	1313.8	1290.6	1297.2	1313.8	1333.6	1360.1	1365.1
22.5°	1726.3	1650.1	1487.7	1348.5	1280.6	1270.7	1290.6	1318.7	1340.3	1373.4	1376.7
25°	1752.8	1665.0	1462.9	1313.8	1242.5	1245.8	1283.9	1320.4	1341.9	1373.4	1383.3
27.5°	1787.6	1681.5	1446.3	1274.0	1206.1	1221.0	1265.7	1312.1	1338.6	1370.1	1380.0
30°	1820.7	1696.5	1428.1	1232.6	1163.0	1186.2	1240.9	1288.9	1320.4	1348.5	1363.5
32.5°	1860.5	1719.6	1411.5	1197.8	1123.2	1148.1	1207.7	1267.4	1300.5	1328.7	1340.3
35°	1898.6	1742.8	1403.2	1163.0	1083.5	1106.7	1166.3	1235.9	1272.3	1290.6	1310.4
37.5°	1946.6	1777.6	1398.3	1133.2	1042.1	1058.6	1126.6	1199.4	1237.6	1255.8	1274.0
40°	2007.9	1825.7	1399.9	1103.4	999.0	1012.2	1085.1	1164.7	1207.7	1216.0	1232.6
42.5°	2067.6	1868.8	1403.2	1075.2	960.9	967.5	1043.7	1124.9	1161.3	1168.0	1184.5
45°	2133.8	1928.4	1403.2	1040.4	921.1	931.1	1004.0	1081.8	1123.2	1126.6	1139.8
47.5°	2206.7	1986.4	1396.6	1004.0	883.0	893.0	964.2	1032.1	1070.2	1075.2	1088.4
50°	2279.6	2032.8	1381.7	959.2	844.9	858.2	917.8	980.8	1007.3	1015.6	1025.5
52.5°	2349.2	2074.2	1345.2	912.8	806.8	816.8	869.8	921.1	942.7	952.6	957.6
55°	2402.2	2102.3	1295.5	861.5	773.7	777.0	815.1	858.2	873.1	873.1	881.4
57.5°	2430.4	2107.3	1226.0	808.5	735.6	735.6	762.1	800.2	806.8	805.2	806.8
60°	2438.7	2079.2	1141.5	758.8	697.5	689.2	710.7	735.6	737.2	737.2	745.5
62.5°	2397.2	2001.3	1040.4	710.7	659.4	641.1	657.7	682.6	687.5	687.5	689.2
65°	2258.1	1835.6	929.4	662.7	617.9	596.4	611.3	642.8	652.7	651.1	649.4
66°	2163.6	1754.4	884.7	642.8	601.4	576.5	593.1	626.2	631.2	631.2	629.5
67.5°	2002.9	1587.1	806.8	613.0	571.6	550.0	568.2	593.1	601.4	606.4	606.4
70°	1665.0	1307.1	705.8	560.0	520.2	505.3	518.5	536.8	541.7	548.4	545.1
72.5°	1313.8	1023.8	614.6	506.9	473.8	455.6	462.2	478.8	492.0	497.0	490.4
75°	997.3	793.6	535.1	453.9	422.5	400.9	400.9	397.6	397.6	410.9	392.6
77.5°	748.8	627.9	465.5	386.0	352.9	329.7	316.4	319.7	298.2	281.6	268.4
80°	553.3	477.1	381.0	303.2	265.1	228.6	230.3	238.6	187.2	132.5	66.3
82.5°	392.6	346.2	273.4	207.1	157.4	137.5	137.5	144.1	104.4	38.1	0.0
85°	124.3	119.3	107.7	77.9	69.6	53.0	41.4	38.1	43.1	8.3	0.0
87.5°	3.3	3.3	3.3	3.3	1.7	1.7	1.7	1.7	0.0	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)