

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: P1462312

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

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462312
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-90-8540-U-5WQ
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 90W 85CRI 4000k FIXTURE w/ TYPE V
SQUARE WIDE DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10943.4 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - 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

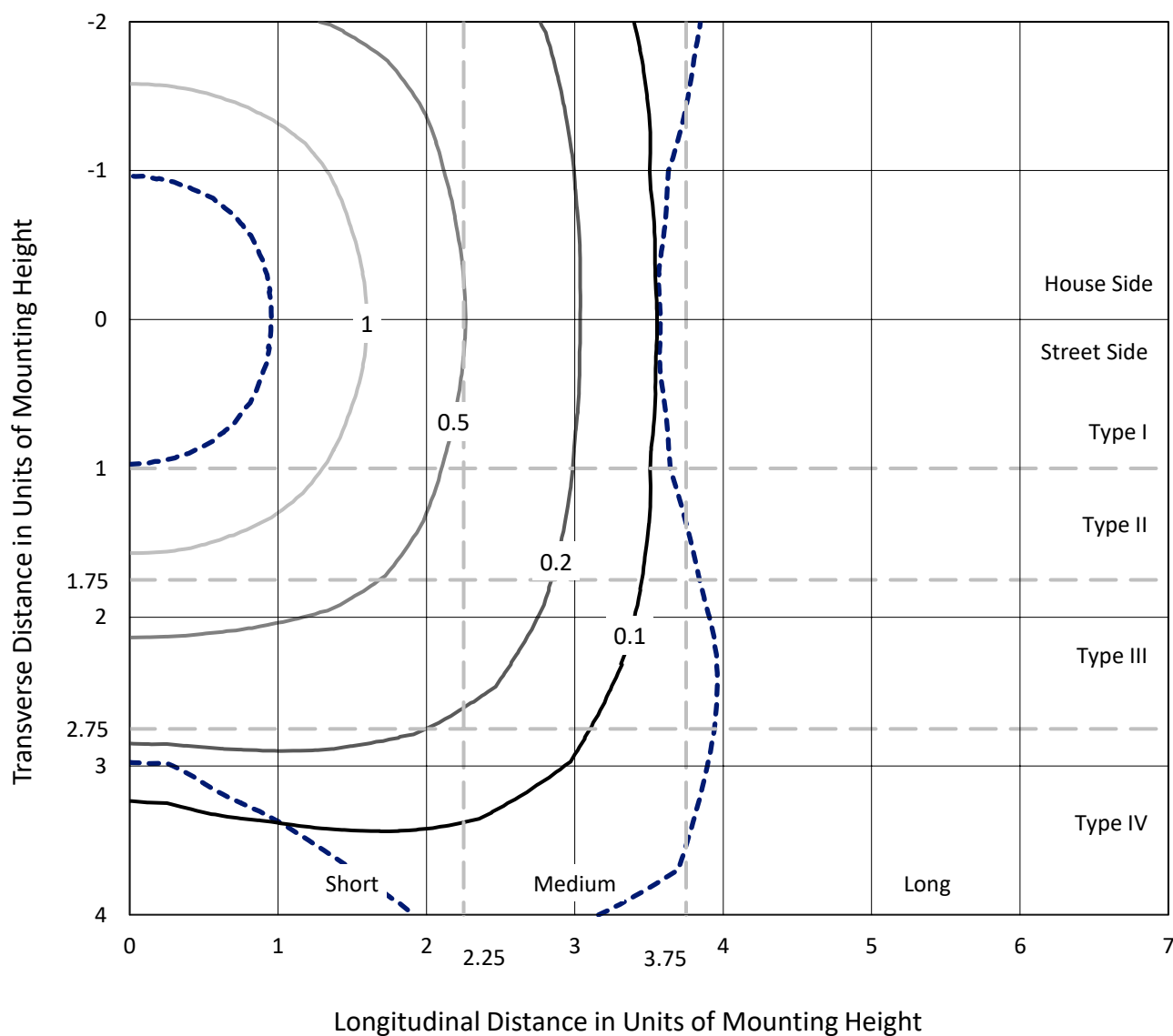
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



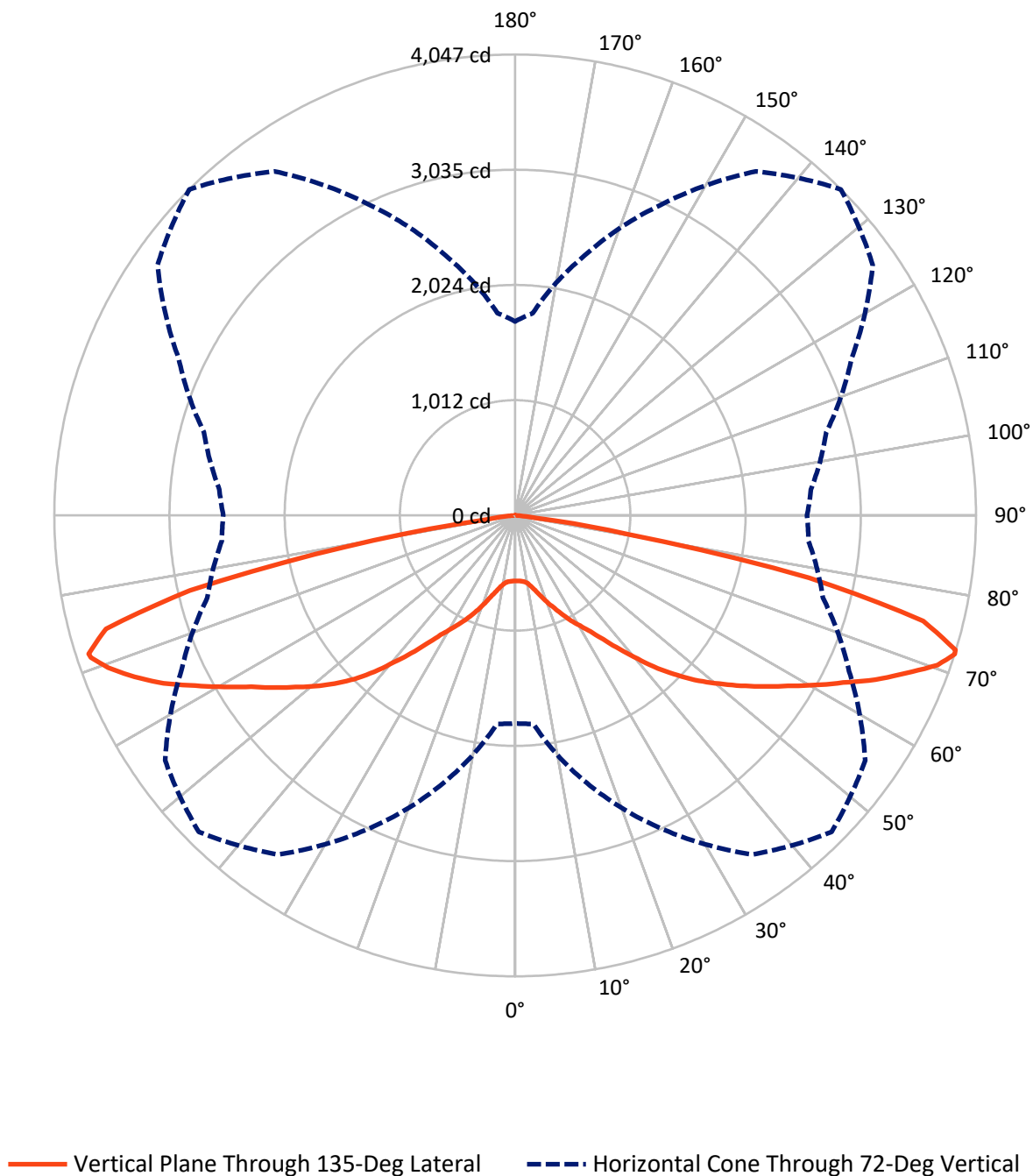
Based on 20 foot mounting height. Maximum calculated value = 1.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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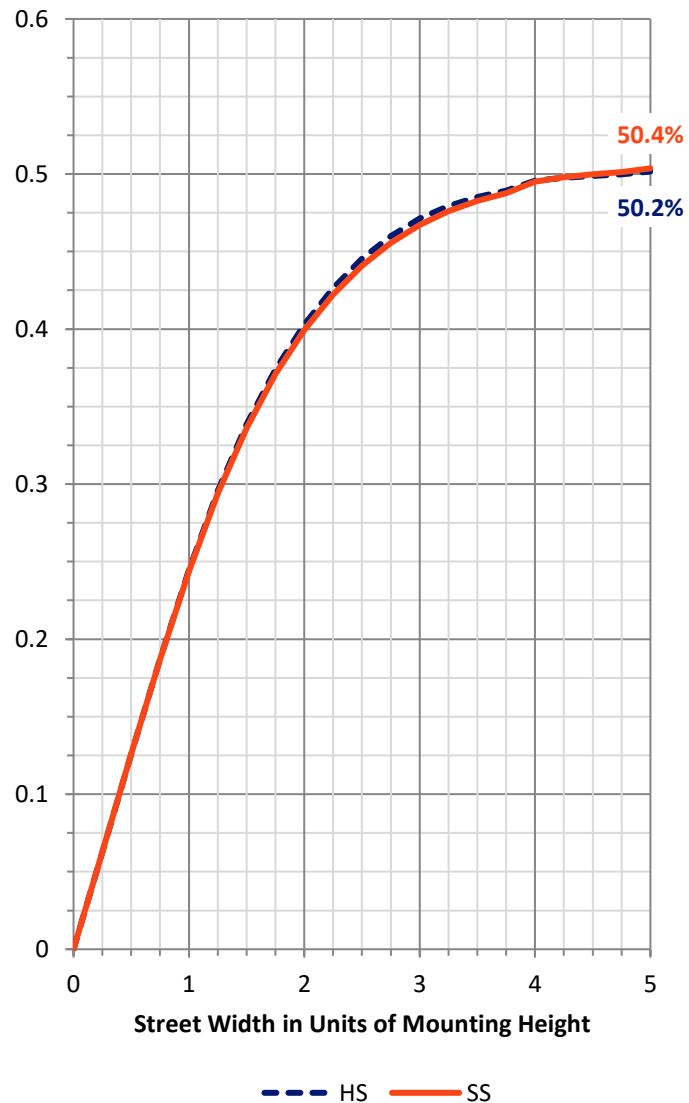
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5448.8	0.0	5448.8
	% Fixture	49.8	0.0	49.8
Street Side	Lumens	5494.6	0.0	5494.6
	% Fixture	50.2	0.0	50.2
Total	Lumens	10943.4	0.0	10943.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	0.5
10°-20°	200.6	1.8
20°-30°	442.7	4.0
30°-40°	867.0	7.9
40°-50°	1573.5	14.4
50°-60°	2312.0	21.1
60°-70°	3049.7	27.9
70°-80°	2314.2	21.1
80°-90°	127.7	1.2
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°	10943.4	100.0
0°-180°	10943.4	100.0

Coefficient of Utilization



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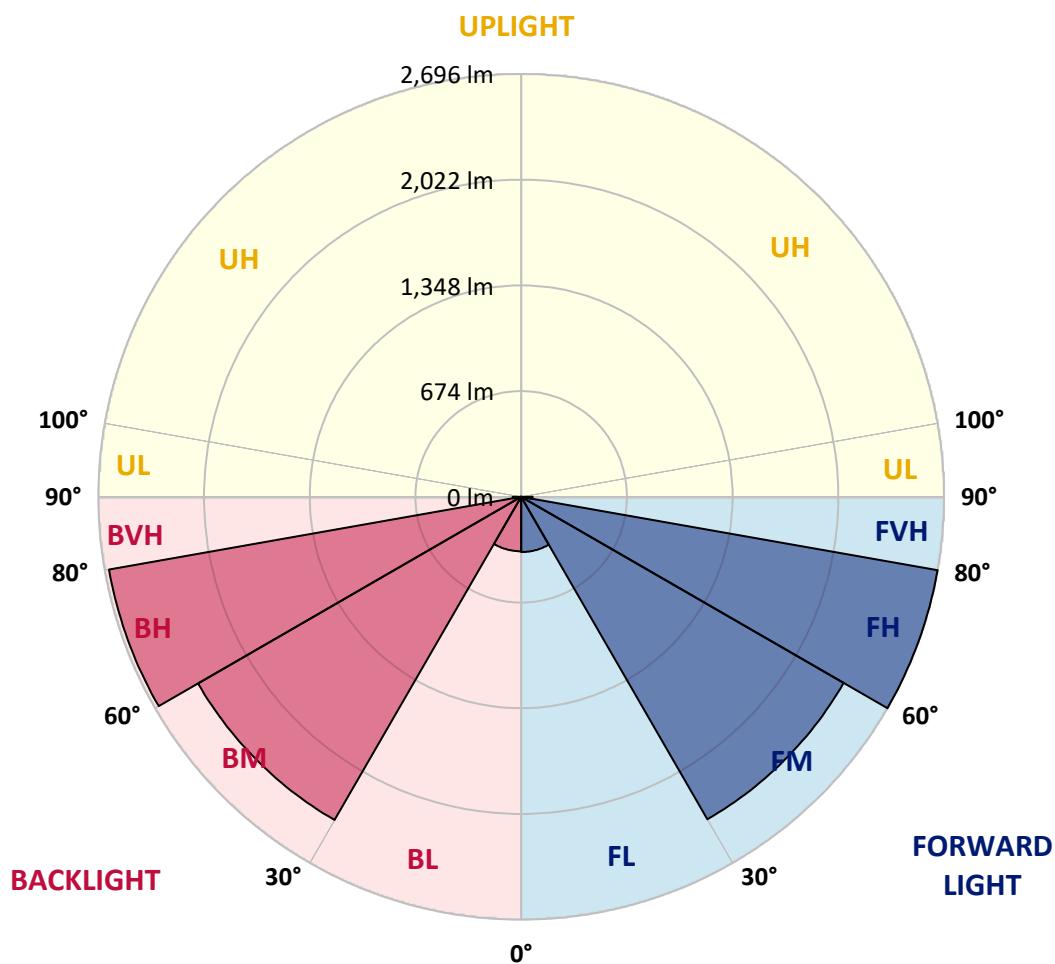
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	352.2	3.2			
FM	(30°-60°)	2373.7	21.7			
FH	(60°-80°)	2695.6	24.6			G2/5000
FVH	(80°-90°)	73.1	0.7			G1/100
BL	(0°-30°)	347.2	3.2	B1/500		
BM	(30°-60°)	2378.8	21.7	B2/2500		
BH	(60°-80°)	2668.2	24.4	B4/5000		G2/5000
BVH	(80°-90°)	54.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	574.9	574.9	574.9	574.9	574.9	574.9	574.9	574.9	574.9	574.9	574.9
2.5°	576.5	578.2	578.2	578.2	578.2	576.5	576.5	576.5	574.9	574.9	576.5
5°	581.5	581.5	583.1	583.1	581.5	581.5	579.8	578.2	576.5	574.9	576.5
7.5°	593.1	589.8	591.4	591.4	589.8	588.1	586.5	583.1	583.1	583.1	583.1
10°	614.6	614.6	614.6	613.0	613.0	609.7	606.3	603.0	606.3	606.3	608.0
12.5°	654.4	654.4	654.4	652.7	647.8	646.1	642.8	637.8	639.5	641.1	639.5
15°	705.7	705.7	705.7	700.8	702.4	695.8	689.2	684.2	685.9	685.9	684.2
17.5°	768.7	767.0	765.4	760.4	760.4	753.8	745.5	737.2	733.9	732.2	732.2
20°	826.7	823.4	828.3	828.3	833.3	828.3	813.4	796.9	788.6	783.6	783.6
22.5°	876.4	883.0	884.7	894.6	906.2	906.2	883.0	863.1	844.9	835.0	833.3
25°	949.3	952.6	955.9	960.9	982.4	984.1	955.9	931.0	916.1	916.1	916.1
27.5°	1022.2	1022.2	1030.4	1040.4	1060.3	1063.6	1037.1	1008.9	1003.9	1000.6	999.0
30°	1098.4	1098.4	1114.9	1131.5	1141.4	1144.8	1123.2	1101.7	1096.7	1091.7	1093.4
32.5°	1194.5	1202.7	1224.3	1240.8	1242.5	1237.5	1237.5	1219.3	1204.4	1214.3	1211.0
35°	1341.9	1345.2	1355.2	1365.1	1370.1	1365.1	1360.1	1353.5	1350.2	1355.2	1350.2
37.5°	1510.9	1514.2	1520.8	1510.9	1512.5	1514.2	1522.5	1529.1	1530.8	1530.8	1529.1
40°	1673.2	1683.2	1683.2	1676.5	1674.9	1668.3	1683.2	1701.4	1719.6	1722.9	1718.0
42.5°	1863.8	1858.8	1867.1	1853.8	1840.6	1847.2	1857.1	1878.7	1896.9	1910.1	1911.8
45°	2041.0	2044.3	2046.0	2016.2	2006.2	2014.5	2019.5	2037.7	2067.5	2087.4	2077.5
47.5°	2188.5	2190.1	2191.8	2175.2	2168.6	2165.3	2170.2	2176.9	2201.7	2215.0	2219.9
50°	2296.1	2302.8	2312.7	2306.1	2304.4	2307.7	2309.4	2316.0	2332.6	2340.9	2342.5
52.5°	2402.2	2408.8	2428.7	2420.4	2438.6	2448.6	2448.6	2440.3	2448.6	2453.5	2451.9
55°	2494.9	2501.6	2539.7	2548.0	2579.4	2601.0	2594.3	2559.6	2569.5	2557.9	2561.2
57.5°	2582.7	2592.7	2637.4	2667.2	2741.8	2763.3	2746.8	2693.7	2672.2	2668.9	2665.6
60°	2617.5	2629.1	2697.1	2806.4	2914.1	2965.4	2917.4	2816.3	2771.6	2760.0	2763.3
62.5°	2624.2	2639.1	2728.5	2894.2	3104.6	3182.5	3116.2	2960.5	2882.6	2864.4	2857.8
65°	2622.5	2634.1	2741.8	2975.4	3281.9	3422.7	3346.5	3129.4	3008.5	2983.7	2991.9
67.5°	2625.8	2642.4	2769.9	3035.0	3442.6	3629.8	3527.0	3283.5	3124.5	3073.1	3076.4
70°	2369.0	2455.2	2771.6	3109.6	3570.1	3817.0	3692.7	3354.8	3064.8	2912.4	2917.4
72°	1825.6	1837.2	2432.0	3033.4	3634.7	3929.6	3752.4	3235.5	2798.1	2586.1	2562.9
72.5°	1628.5	1706.4	2334.2	2998.6	3634.7	3937.9	3727.5	3170.9	2698.7	2509.9	2488.3
75°	1000.6	1083.5	1615.3	2456.8	3386.2	3729.2	3285.2	2597.7	2021.1	1810.7	1814.1
77.5°	410.9	447.3	888.0	1883.6	2635.8	2930.6	2403.8	1719.6	1138.1	947.6	924.4
80°	94.4	101.1	149.1	626.2	1336.9	1510.9	1010.6	573.2	382.7	261.8	246.8
82.5°	49.7	53.0	67.9	122.6	183.9	253.5	223.7	162.4	177.3	149.1	144.1
85°	16.6	16.6	21.5	33.1	44.7	56.3	64.6	79.5	76.2	58.0	54.7
87.5°	1.7	1.7	3.3	5.0	5.0	5.0	5.0	3.3	3.3	3.3	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°	574.9	574.9	574.9	574.9	574.9	574.9	574.9	574.9	574.9	574.9
2.5°	576.5	574.9	574.9	576.5	576.5	576.5	576.5	576.5	576.5	576.5
5°	576.5	576.5	574.9	576.5	579.8	579.8	579.8	579.8	578.2	578.2
7.5°	583.1	581.5	581.5	584.8	588.1	588.1	588.1	588.1	588.1	586.5
10°	606.3	604.7	603.0	608.0	606.3	609.7	609.7	609.7	608.0	609.7
12.5°	639.5	637.8	637.8	639.5	642.8	641.1	644.4	646.1	647.8	647.8
15°	684.2	679.2	679.2	684.2	690.8	692.5	689.2	694.1	694.1	694.1
17.5°	733.9	733.9	732.2	737.2	750.5	748.8	743.8	747.2	748.8	752.1
20°	783.6	786.9	791.9	806.8	818.4	811.8	808.5	808.5	801.8	803.5
22.5°	838.3	844.9	854.8	873.1	884.7	883.0	871.4	859.8	853.2	851.5
25°	914.5	912.8	921.1	944.3	962.5	955.9	939.3	926.1	921.1	919.5
27.5°	999.0	999.0	1002.3	1023.8	1047.0	1032.1	1015.5	1003.9	992.3	992.3
30°	1093.4	1085.1	1098.4	1113.3	1123.2	1113.3	1103.3	1081.8	1068.6	1063.6
32.5°	1207.7	1207.7	1201.1	1209.4	1216.0	1219.3	1207.7	1187.8	1176.2	1171.3
35°	1353.5	1348.5	1340.2	1340.2	1336.9	1345.2	1343.6	1340.2	1327.0	1327.0
37.5°	1532.4	1524.1	1507.6	1499.3	1489.3	1489.3	1505.9	1515.9	1510.9	1507.6
40°	1709.7	1711.3	1683.2	1661.6	1655.0	1660.0	1678.2	1704.7	1694.8	1681.5
42.5°	1911.8	1890.3	1853.8	1832.3	1837.2	1838.9	1858.8	1886.9	1885.3	1867.1
45°	2079.1	2051.0	2024.4	2006.2	2002.9	2021.1	2039.4	2062.6	2064.2	2064.2
47.5°	2206.7	2198.4	2166.9	2166.9	2170.2	2176.9	2195.1	2201.7	2193.4	2185.1
50°	2335.9	2322.6	2306.1	2316.0	2322.6	2330.9	2326.0	2321.0	2301.1	2289.5
52.5°	2448.6	2441.9	2438.6	2471.7	2485.0	2466.8	2450.2	2430.3	2407.1	2400.5
55°	2554.6	2562.9	2574.5	2634.1	2649.0	2622.5	2577.8	2552.9	2528.1	2519.8
57.5°	2660.6	2673.9	2710.3	2804.7	2824.6	2774.9	2708.7	2659.0	2622.5	2620.8
60°	2750.1	2774.9	2842.8	2983.7	3025.1	2948.9	2836.2	2741.8	2692.1	2687.1
62.5°	2862.7	2890.9	2993.6	3174.2	3233.8	3147.7	2953.8	2804.7	2728.5	2721.9
65°	2985.3	3028.4	3162.6	3399.5	3475.7	3333.2	3049.9	2864.4	2771.6	2768.3
67.5°	3084.7	3154.3	3333.2	3608.2	3697.7	3537.0	3156.0	2938.9	2823.0	2806.4
70°	2927.3	3084.7	3412.7	3800.4	3936.2	3674.5	3184.1	2786.5	2422.0	2355.8
72°	2607.6	2829.6	3260.3	3833.5	4047.2	3687.7	3003.5	2362.4	1782.6	1703.1
72.5°	2481.7	2733.5	3195.7	3798.7	4043.9	3659.6	2919.0	2221.6	1613.6	1568.9
75°	1809.1	2004.6	2615.9	3321.6	3702.7	3247.1	2244.8	1315.4	770.4	700.8
77.5°	916.1	1116.6	1628.5	2268.0	2640.7	2120.5	1267.4	516.9	162.4	130.9
80°	256.8	341.3	505.3	861.5	999.0	813.4	424.1	86.1	33.1	21.5
82.5°	152.4	182.2	155.7	139.2	193.8	140.8	74.6	34.8	6.6	1.7
85°	59.6	89.5	81.2	49.7	36.4	23.2	13.3	6.6	1.7	0.0
87.5°	3.3	3.3	5.0	5.0	3.3	3.3	3.3	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)