

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: P1461375

Luminaire Tested: USSL-110-8540-U-T4W

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461375
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-110-8540-U-T4W
Description: USSL DISCRETE LED 1 SQUARE 110W 85CRI 4000k FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (40) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14721.6 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 111
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.87%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

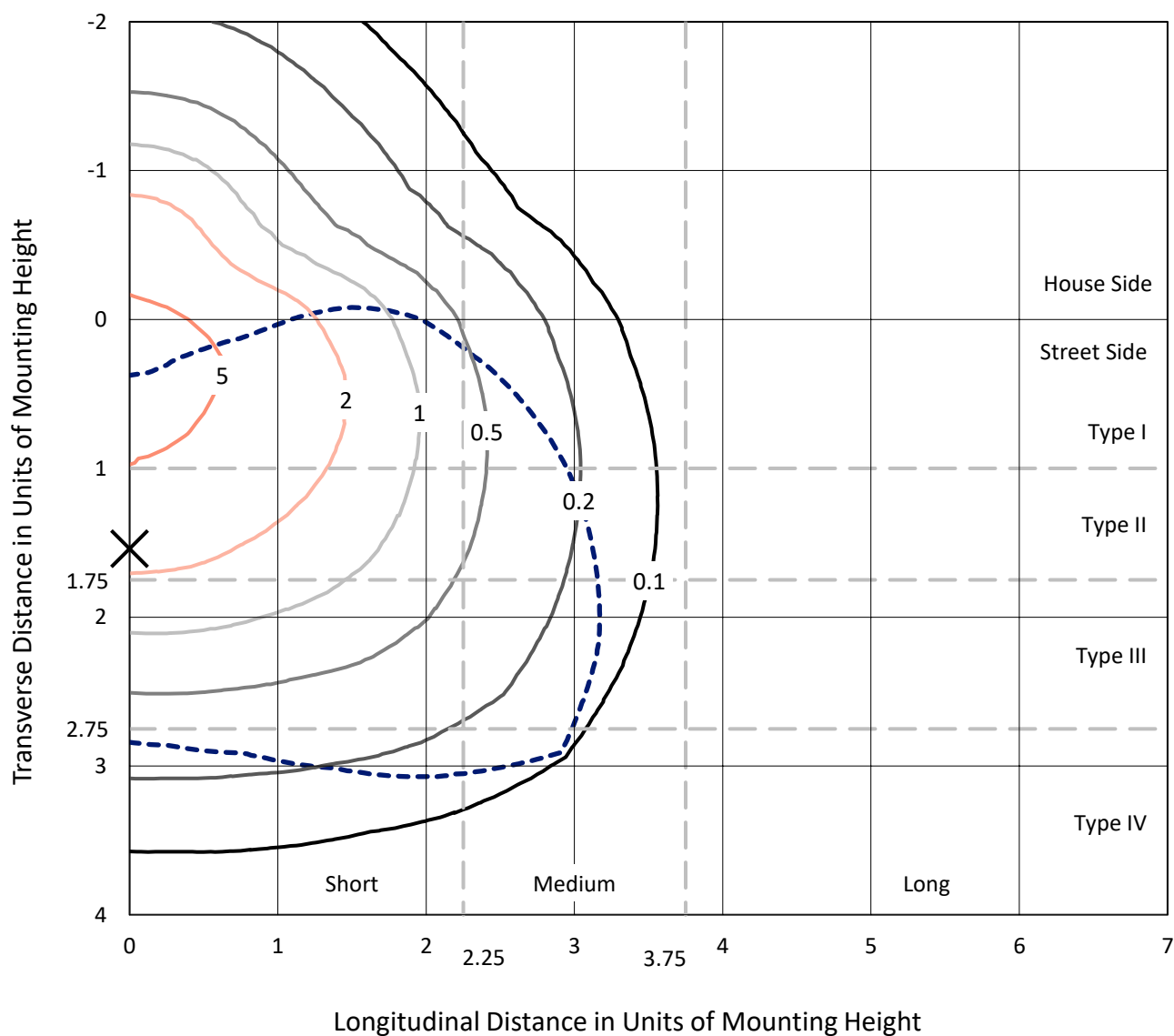
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

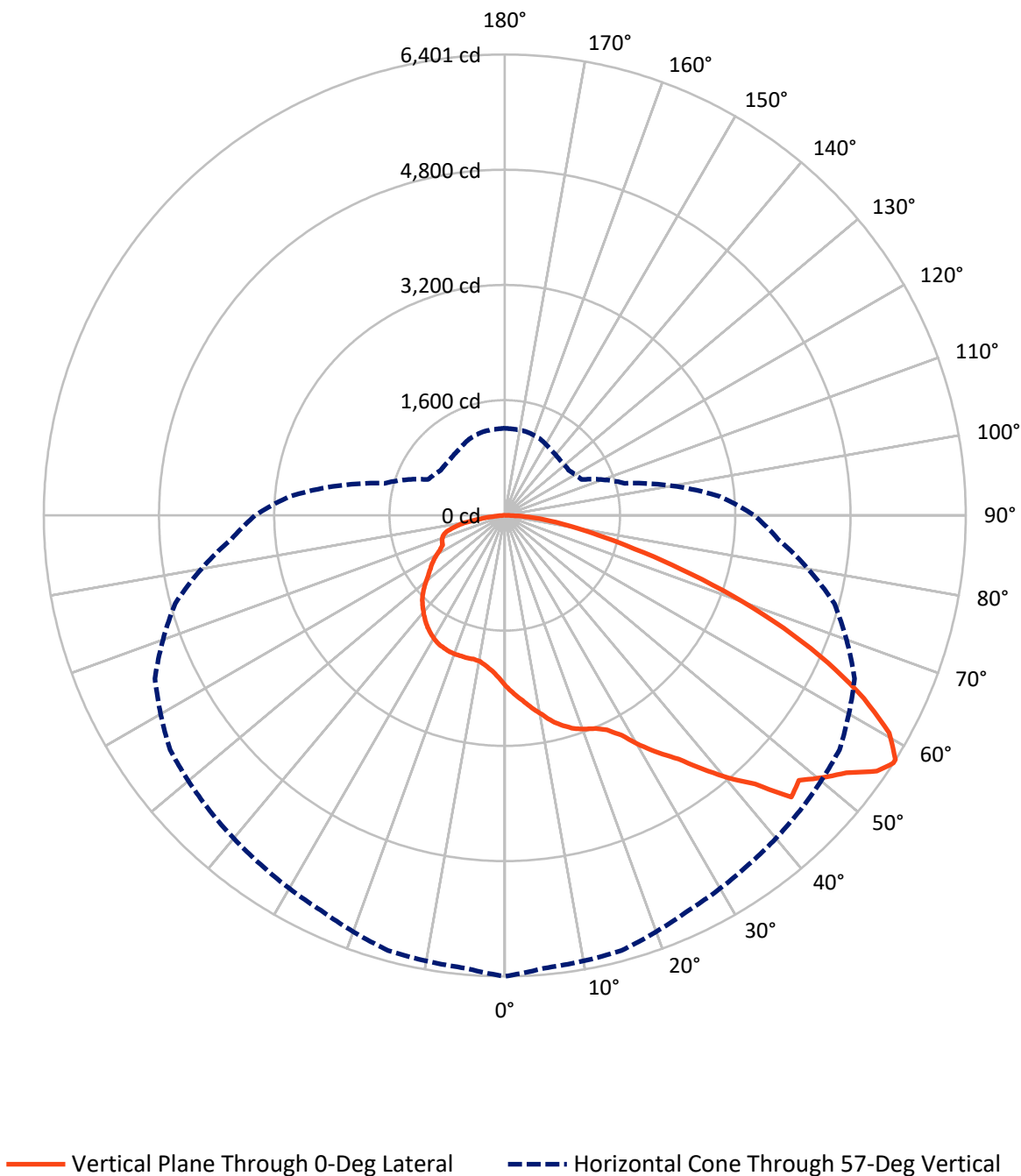


Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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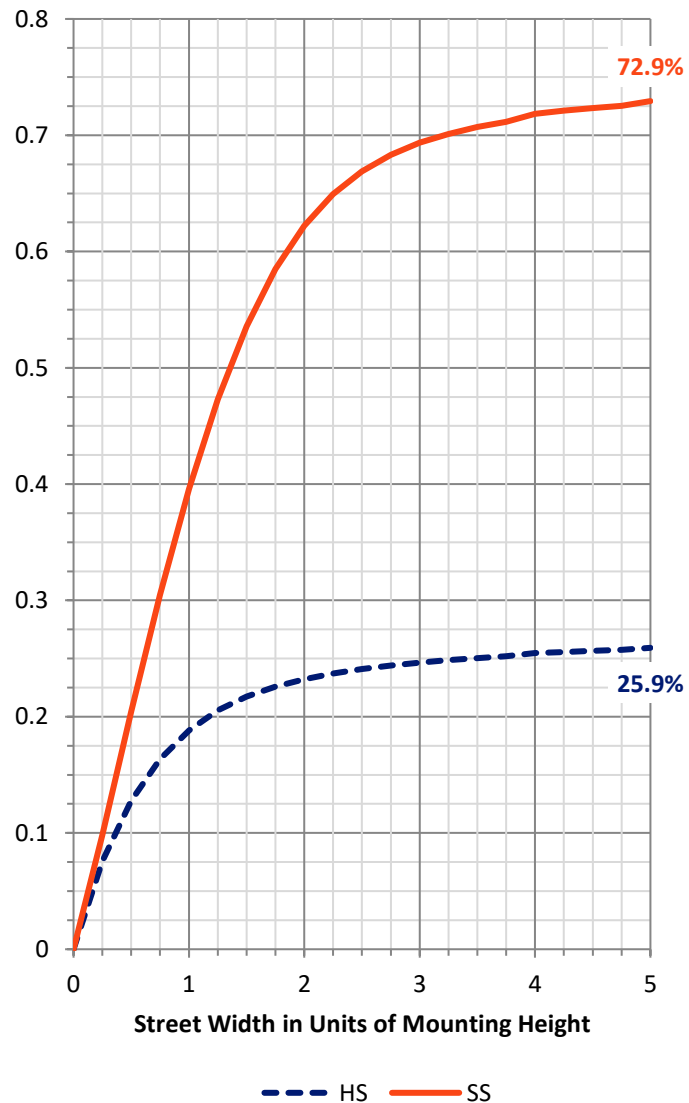
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3881.6	0.0	3881.6
	% Fixture	26.4	0.0	26.4
Street Side	Lumens	10840.1	0.0	10840.1
	% Fixture	73.6	0.0	73.6
Total	Lumens	14721.6	0.0	14721.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.5	1.5
10°-20°	701.4	4.8
20°-30°	1201.9	8.2
30°-40°	1768.4	12.0
40°-50°	2433.4	16.5
50°-60°	3070.7	20.9
60°-70°	3111.5	21.1
70°-80°	1786.9	12.1
80°-90°	419.9	2.9
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°	14721.6	100.0
0°-180°	14721.6	100.0

Coefficient of Utilization



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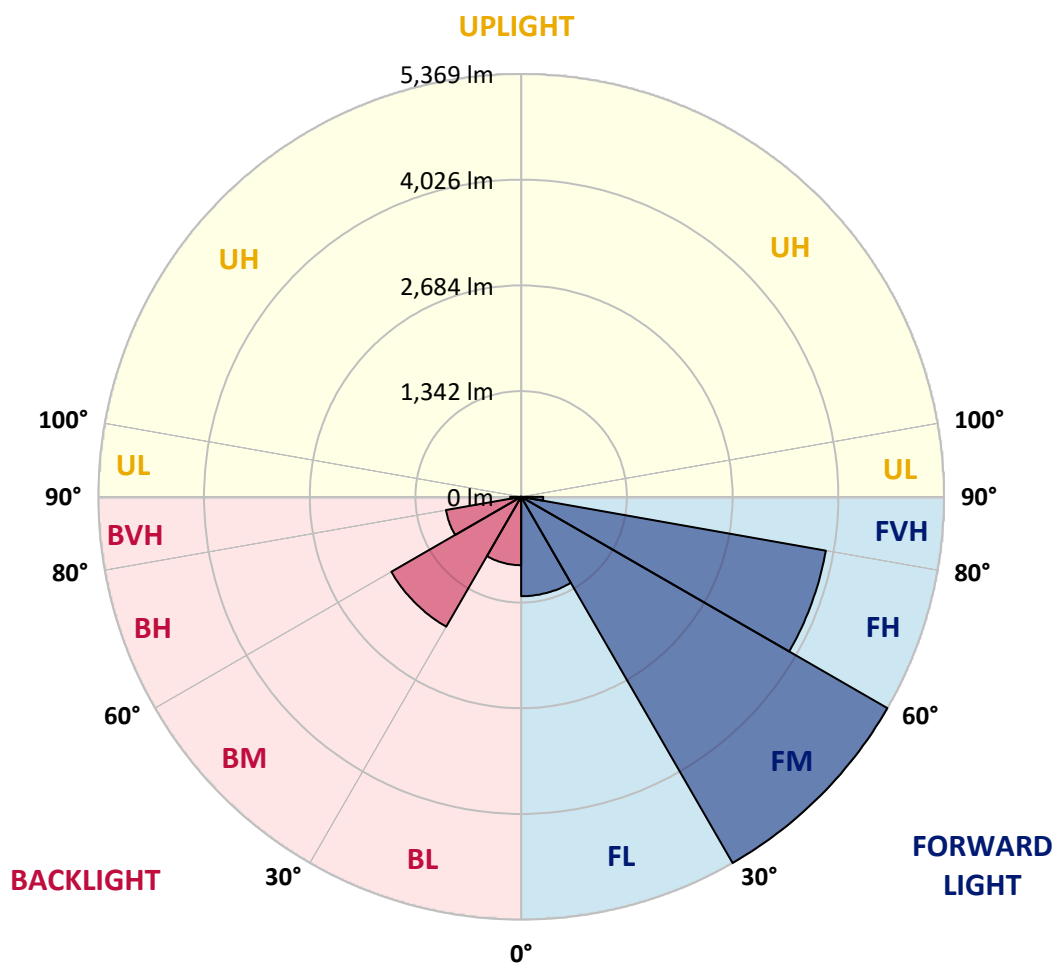
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1261.9	8.6			
FM	(30°-60°)	5368.6	36.5			
FH	(60°-80°)	3928.5	26.7			G2/5000
FVH	(80°-90°)	281.1	1.9			G3/500
BL	(0°-30°)	869.0	5.9	B2/1000		
BM	(30°-60°)	1903.9	12.9	B2/2500		
BH	(60°-80°)	969.9	6.6	B2/1000		G2/1000
BVH	(80°-90°)	138.8	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2372.7	2372.7	2372.7	2372.7	2372.7	2372.7	2372.7	2372.7	2372.7	2372.7	2372.7
2.5°	2481.3	2487.6	2482.0	2472.3	2457.0	2447.9	2443.0	2418.6	2403.3	2388.0	2374.1
5°	2581.6	2590.7	2588.6	2567.7	2552.4	2533.6	2503.6	2465.3	2431.9	2390.8	2369.9
7.5°	2698.7	2698.7	2683.3	2670.8	2636.7	2608.1	2569.8	2518.3	2461.8	2406.1	2370.6
10°	2808.0	2815.0	2803.2	2779.5	2739.1	2698.0	2643.6	2586.5	2506.4	2429.8	2386.6
12.5°	2933.4	2933.4	2920.2	2883.3	2847.1	2789.2	2724.4	2648.5	2563.5	2463.9	2408.9
15°	3029.6	3033.0	3023.3	2999.6	2954.3	2900.7	2811.5	2723.8	2610.9	2496.7	2427.7
17.5°	3112.5	3111.8	3103.4	3087.4	3062.3	3008.0	2911.8	2798.3	2666.6	2525.2	2448.6
20°	3166.1	3171.0	3164.0	3172.4	3156.3	3111.1	3015.6	2881.2	2729.3	2559.4	2472.3
22.5°	3214.9	3215.6	3221.1	3230.2	3231.6	3211.4	3132.7	2980.1	2796.2	2599.1	2494.6
25°	3299.2	3295.0	3295.7	3295.7	3310.3	3311.0	3246.2	3100.6	2881.9	2651.3	2532.2
27.5°	3455.2	3448.9	3417.6	3395.3	3395.3	3412.7	3373.0	3226.0	2976.6	2702.9	2567.7
30°	3702.5	3690.0	3626.6	3545.8	3517.2	3533.9	3504.0	3365.3	3076.2	2766.9	2603.9
32.5°	3931.7	3929.6	3868.3	3767.3	3700.4	3678.1	3651.6	3517.2	3200.9	2833.8	2656.2
35°	4153.2	4149.7	4084.9	4029.2	3935.2	3853.0	3797.9	3641.9	3296.4	2897.2	2703.6
37.5°	4469.5	4453.4	4377.5	4310.6	4171.3	3990.2	3929.6	3795.1	3437.1	2985.7	2784.4
40°	4797.6	4780.8	4652.0	4561.4	4413.7	4203.4	4091.2	3970.7	3575.0	3093.7	2877.0
42.5°	5099.9	5077.6	4947.3	4776.7	4613.7	4429.1	4290.4	4135.8	3749.2	3203.0	2968.3
45°	5579.9	5408.5	5252.5	5119.4	4827.5	4649.2	4506.4	4350.3	3935.2	3329.1	3077.6
47.5°	5495.6	5461.4	5453.8	5453.1	5041.4	4888.1	4737.0	4551.7	4123.2	3451.0	3182.1
50°	5722.7	5676.7	5763.8	5644.6	5246.2	5127.8	4970.3	4766.2	4312.7	3563.2	3284.5
52.5°	5937.2	5944.2	5921.2	5705.9	5479.5	5349.3	5223.9	4989.8	4486.9	3676.0	3373.7
55°	6268.8	6201.2	6133.7	5926.8	5720.6	5576.4	5489.3	5195.3	4642.2	3770.8	3437.8
57°	6400.5	6309.9	6254.9	6048.0	5914.2	5795.8	5673.2	5359.0	4739.1	3811.2	3465.6
57.5°	6396.3	6312.7	6278.6	6059.1	5946.3	5843.2	5703.2	5385.5	4749.5	3808.4	3460.1
60°	6135.1	6121.1	6247.9	6068.9	6067.5	6041.0	5881.5	5494.2	4773.9	3768.0	3400.2
62.5°	5595.9	5656.5	5910.8	5983.9	6158.7	6215.9	5960.9	5457.3	4665.2	3614.7	3246.2
65°	4933.4	5047.7	5361.1	5706.6	6144.8	6319.7	5944.9	5262.2	4407.5	3337.5	2956.4
67.5°	4176.2	4283.5	4647.8	5184.2	5908.0	6158.0	5737.3	4895.1	3987.4	2959.9	2584.4
70°	3368.8	3450.3	3752.6	4383.1	5324.9	5685.1	5184.9	4342.0	3403.6	2500.8	2146.3
72.5°	2565.6	2597.0	2880.5	3474.7	4381.7	4830.3	4313.4	3568.7	2814.3	2004.2	1726.2
75°	1861.3	1893.4	2133.7	2498.1	3187.0	3761.0	3361.2	2773.2	2142.8	1527.0	1324.3
77.5°	1329.8	1364.7	1498.4	1709.5	2180.4	2670.1	2385.2	2025.1	1477.5	1000.3	918.1
80°	944.6	958.5	1098.6	1180.1	1415.5	1719.9	1640.5	1397.4	946.0	668.7	614.4
82.5°	651.3	662.5	780.2	822.0	914.7	1088.8	1088.8	952.3	599.8	436.1	416.6
85°	385.2	387.3	480.7	520.4	535.0	647.2	665.3	517.6	329.5	197.1	195.1
87.5°	143.5	142.8	219.4	200.6	175.5	197.1	228.5	156.0	113.5	50.9	39.0
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°	2372.7	2372.7	2372.7	2372.7	2372.7	2372.7	2372.7	2372.7	2372.7	2372.7
2.5°	2359.4	2343.4	2333.0	2315.5	2300.9	2283.5	2278.6	2263.3	2261.2	2257.0
5°	2348.3	2310.7	2274.4	2242.4	2219.4	2197.1	2185.3	2171.3	2163.0	2167.9
7.5°	2345.5	2288.4	2229.9	2187.4	2153.9	2120.5	2107.3	2100.3	2100.3	2107.3
10°	2350.4	2270.3	2197.1	2137.9	2096.1	2066.2	2052.2	2046.6	2055.0	2057.8
12.5°	2359.4	2261.9	2172.7	2101.0	2055.7	2024.4	2021.6	2025.7	2036.9	2041.8
15°	2365.0	2245.9	2141.4	2059.2	2019.5	2002.8	2000.0	2015.3	2039.0	2046.6
17.5°	2378.9	2227.8	2101.0	2023.0	1986.7	1984.6	1993.0	2009.0	2039.0	2044.6
20°	2378.2	2203.4	2061.3	1978.4	1961.0	1967.9	1984.0	2005.5	2036.2	2045.9
22.5°	2390.8	2174.1	2018.1	1933.8	1926.1	1949.8	1973.5	1994.4	2031.3	2042.5
25°	2408.2	2149.7	1967.2	1885.7	1888.5	1919.2	1954.0	1980.5	2016.7	2026.4
27.5°	2425.6	2126.8	1912.9	1826.5	1832.1	1876.0	1929.6	1958.9	1993.0	2010.4
30°	2447.2	2101.0	1855.8	1761.0	1768.7	1821.6	1882.2	1922.0	1960.3	1976.3
32.5°	2471.6	2079.4	1798.0	1691.4	1693.5	1761.0	1841.1	1885.7	1916.4	1935.2
35°	2502.9	2062.0	1741.5	1614.7	1615.4	1690.7	1788.2	1841.1	1868.3	1889.2
37.5°	2566.3	2057.8	1689.3	1542.3	1540.2	1630.1	1730.4	1791.0	1814.0	1831.4
40°	2637.4	2055.0	1634.3	1469.9	1470.5	1564.6	1670.5	1733.9	1750.6	1767.3
42.5°	2715.4	2048.0	1575.7	1402.3	1406.5	1503.3	1612.7	1674.0	1687.2	1701.1
45°	2794.1	2033.4	1507.5	1339.6	1343.1	1443.4	1547.9	1607.8	1618.2	1632.9
47.5°	2869.3	2003.5	1443.4	1279.7	1295.0	1380.7	1474.7	1524.2	1530.5	1547.2
50°	2939.0	1961.0	1377.2	1231.6	1240.0	1312.4	1394.6	1432.2	1436.4	1444.1
52.5°	2996.1	1899.0	1302.0	1180.1	1186.3	1242.1	1314.5	1346.6	1343.1	1347.2
55°	3016.3	1811.9	1231.6	1127.8	1127.1	1167.5	1234.4	1270.6	1265.7	1264.4
57°	3001.0	1724.8	1177.3	1087.4	1084.6	1112.5	1168.9	1200.3	1205.1	1209.3
57.5°	2986.4	1703.2	1160.6	1077.0	1073.5	1099.3	1153.6	1183.5	1191.2	1190.5
60°	2873.5	1566.0	1088.8	1031.0	1016.4	1033.8	1079.1	1102.7	1102.7	1108.3
62.5°	2668.7	1412.7	1026.8	977.3	950.2	970.4	1007.3	1025.4	1012.9	1016.4
65°	2378.2	1256.7	964.8	918.8	884.0	909.1	945.3	968.3	957.1	955.1
67.5°	2044.6	1112.5	898.6	851.3	826.2	851.3	897.2	943.9	944.6	943.9
70°	1694.2	986.4	827.6	781.6	760.0	791.4	856.1	925.8	930.0	926.5
72.5°	1368.8	877.0	752.3	710.5	693.1	734.2	810.9	891.7	897.2	899.3
75°	1081.1	777.4	667.4	636.7	627.6	670.1	755.8	840.8	829.7	836.6
77.5°	772.5	659.0	577.5	556.6	552.4	584.5	668.1	725.2	709.2	708.5
80°	551.7	542.0	484.8	473.0	465.3	488.3	549.6	601.9	585.9	573.3
82.5°	426.3	424.9	397.1	360.1	352.5	395.0	447.2	468.8	340.6	344.1
85°	257.0	268.2	236.8	238.9	257.0	282.8	311.4	325.3	163.0	128.9
87.5°	59.9	62.0	73.8	89.9	93.3	109.4	149.8	179.7	72.4	59.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)