

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: P1461376

Luminaire Tested: USSL-150-8540-U-T4W

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461376
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-150-8540-U-T4W
Description: USSL DISCRETE LED 1 SQUARE 150W 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: 18574 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

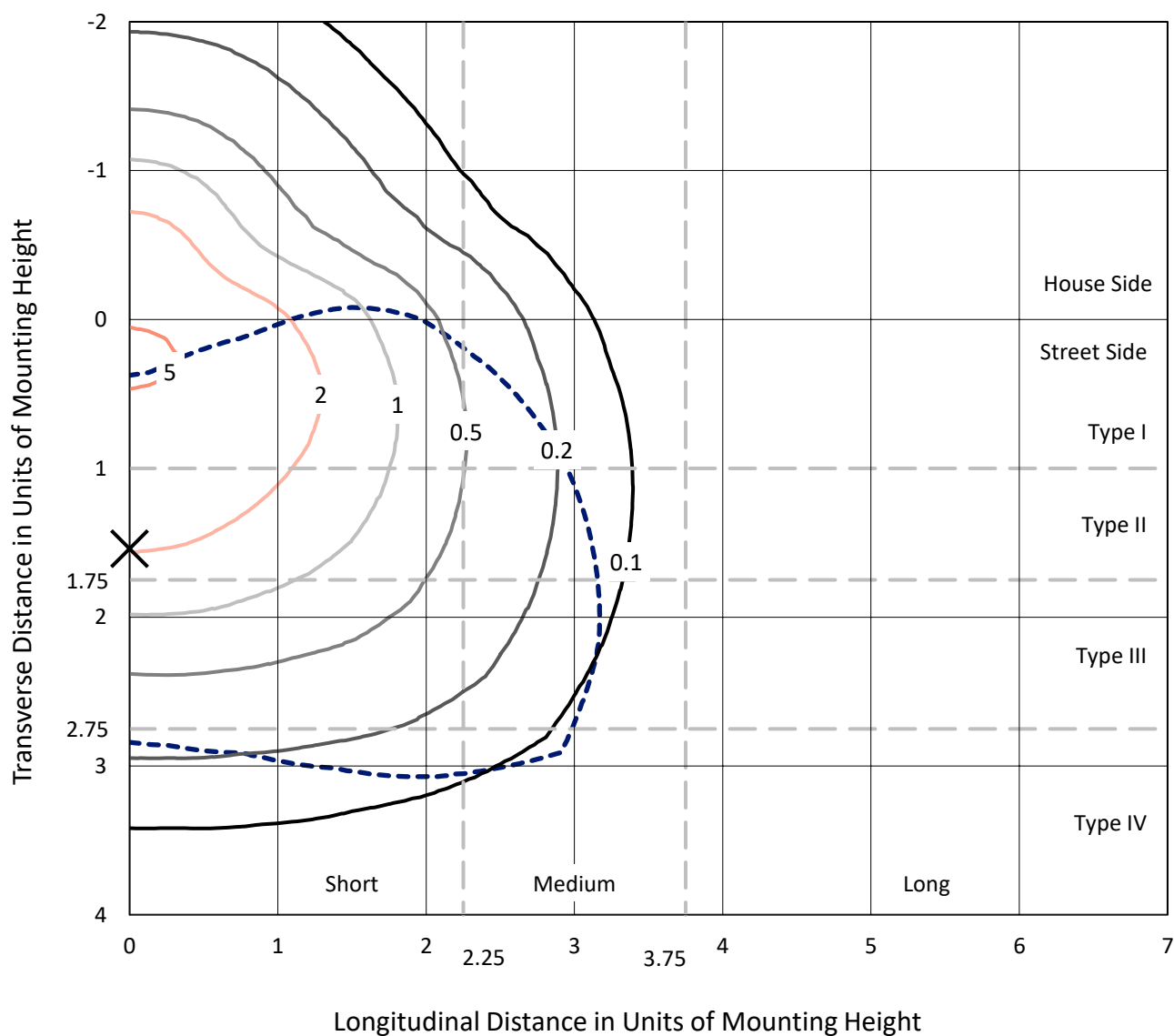
Input Watts (W): 152
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.75%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

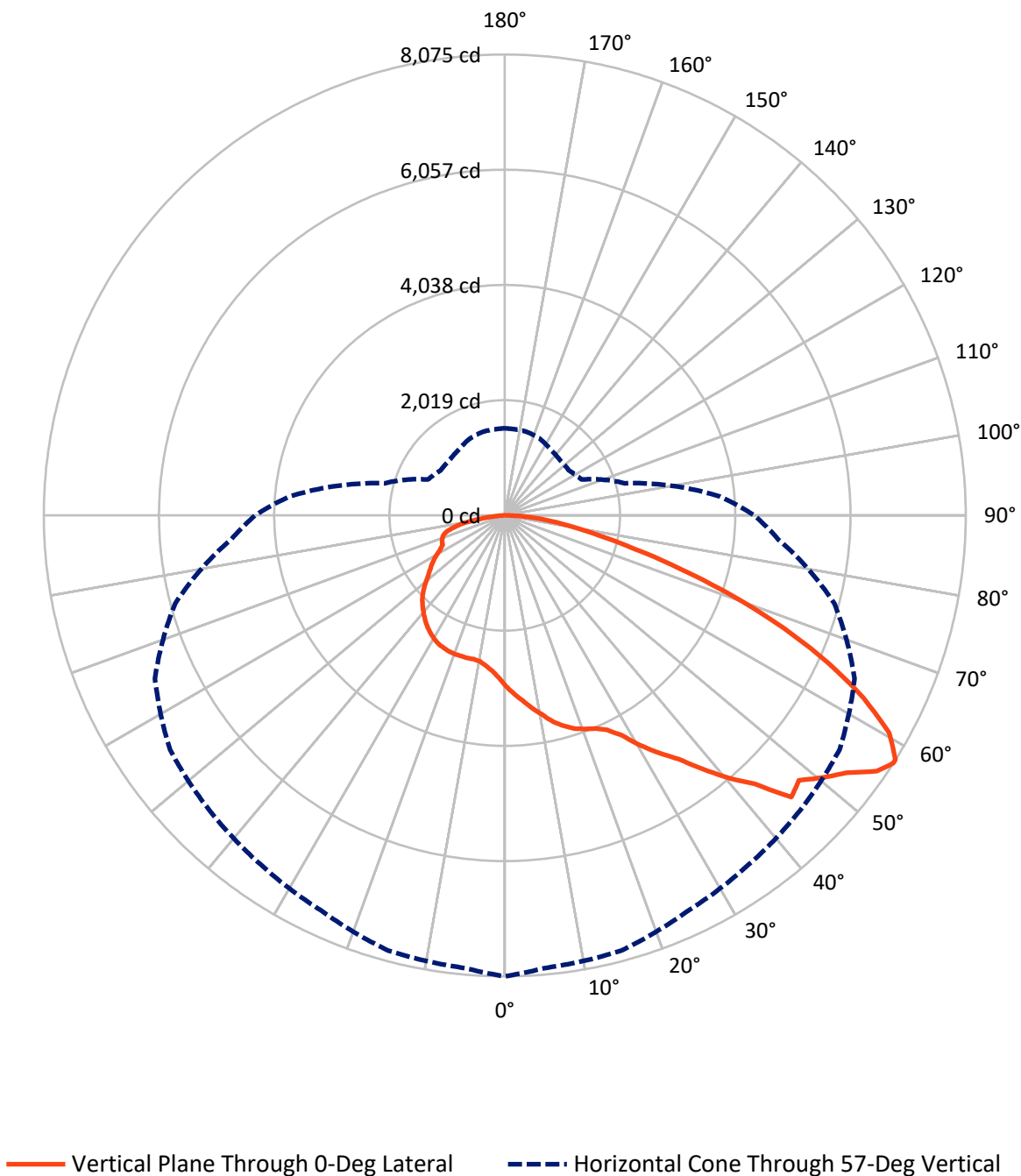


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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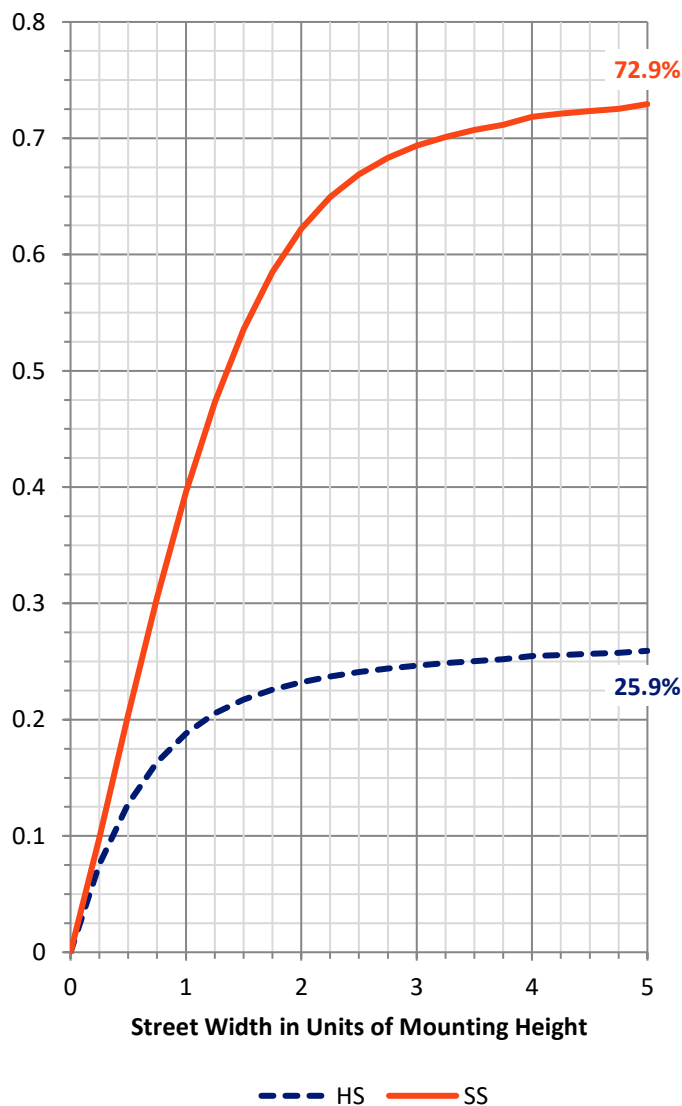
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4897.3	0.0	4897.3
	% Fixture	26.4	0.0	26.4
Street Side	Lumens	13676.7	0.0	13676.7
	% Fixture	73.6	0.0	73.6
Total	Lumens	18574.0	0.0	18574.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.1	1.5
10°-20°	885.0	4.8
20°-30°	1516.4	8.2
30°-40°	2231.2	12.0
40°-50°	3070.2	16.5
50°-60°	3874.2	20.9
60°-70°	3925.7	21.1
70°-80°	2254.5	12.1
80°-90°	529.8	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°	18574.0	100.0
0°-180°	18574.0	100.0

Coefficient of Utilization



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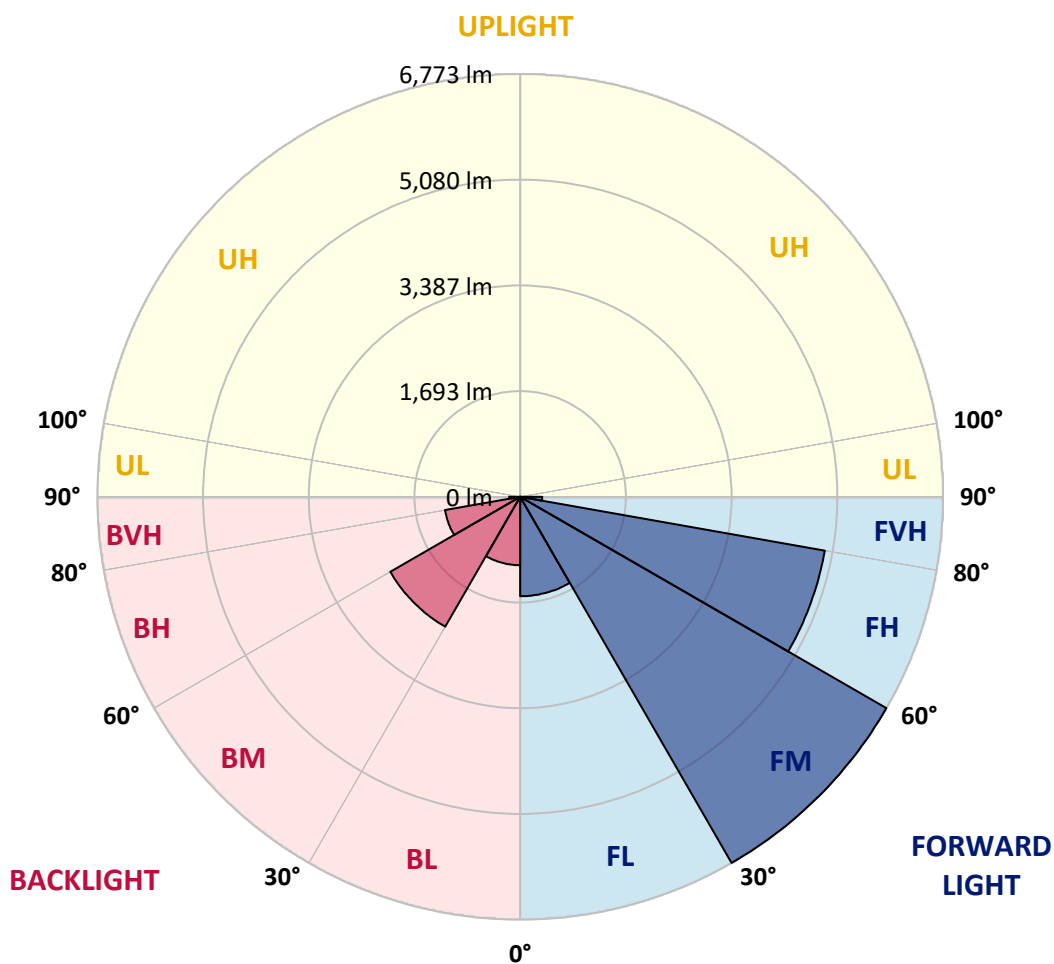
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1592.1	8.6			
FM	(30°-60°)	6773.5	36.5			
FH	(60°-80°)	4956.5	26.7			G2/5000
FVH	(80°-90°)	354.6	1.9			G3/500
BL	(0°-30°)	1096.3	5.9	B3/2500		
BM	(30°-60°)	2402.1	12.9	B2/2500		
BH	(60°-80°)	1223.7	6.6	B3/2500		G3/2500
BVH	(80°-90°)	175.2	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2993.5	2993.5	2993.5	2993.5	2993.5	2993.5	2993.5	2993.5	2993.5	2993.5	2993.5
2.5°	3130.7	3138.6	3131.5	3119.2	3099.9	3088.5	3082.3	3051.6	3032.2	3012.9	2995.3
5°	3257.2	3268.6	3266.0	3239.6	3220.3	3196.6	3158.8	3110.4	3068.3	3016.4	2990.0
7.5°	3404.9	3404.9	3385.5	3369.7	3326.6	3290.6	3242.3	3177.2	3106.0	3035.7	2990.9
10°	3542.9	3551.6	3536.7	3506.8	3455.8	3404.0	3335.4	3263.4	3162.3	3065.6	3011.1
12.5°	3701.1	3701.1	3684.4	3637.8	3592.1	3519.1	3437.4	3341.6	3234.4	3108.7	3039.2
15°	3822.4	3826.7	3814.4	3784.6	3727.4	3659.8	3547.3	3436.5	3294.1	3150.0	3063.0
17.5°	3926.9	3926.1	3915.5	3895.3	3863.7	3795.1	3673.8	3530.6	3364.4	3186.0	3089.3
20°	3994.6	4000.8	3992.0	4002.5	3982.3	3925.2	3804.8	3635.1	3443.5	3229.1	3119.2
22.5°	4056.1	4057.0	4064.0	4075.5	4077.2	4051.7	3952.4	3759.9	3527.9	3279.2	3147.4
25°	4162.5	4157.2	4158.1	4158.1	4176.5	4177.4	4095.7	3912.0	3636.0	3345.1	3194.8
27.5°	4359.4	4351.5	4311.9	4283.8	4283.8	4305.7	4255.6	4070.2	3755.6	3410.1	3239.6
30°	4671.4	4655.6	4575.6	4473.6	4437.6	4458.7	4420.9	4246.0	3881.2	3491.0	3285.3
32.5°	4960.5	4957.9	4880.6	4753.1	4668.7	4640.6	4607.2	4437.6	4038.6	3575.4	3351.3
35°	5240.0	5235.6	5153.9	5083.6	4964.9	4861.2	4791.8	4594.9	4159.0	3655.4	3411.0
37.5°	5639.0	5618.8	5523.0	5438.7	5262.9	5034.4	4957.9	4788.3	4336.5	3767.0	3513.0
40°	6053.0	6031.9	5869.3	5755.1	5568.7	5303.3	5161.8	5009.7	4510.5	3903.2	3629.9
42.5°	6434.5	6406.3	6242.0	6026.6	5821.0	5588.1	5413.2	5218.0	4730.3	4041.2	3745.0
45°	7040.0	6823.8	6626.9	6459.1	6090.8	5865.8	5685.6	5488.8	4964.9	4200.3	3883.0
47.5°	6933.7	6890.6	6880.9	6880.1	6360.6	6167.3	5976.5	5742.8	5202.2	4354.1	4014.8
50°	7220.2	7162.2	7272.0	7121.8	6619.0	6469.6	6271.0	6013.5	5441.3	4495.6	4144.0
52.5°	7490.9	7499.7	7470.7	7199.1	6913.5	6749.1	6590.9	6295.6	5661.0	4638.0	4256.5
55°	7909.3	7824.0	7738.7	7477.7	7217.6	7035.6	6925.8	6554.9	5857.0	4757.5	4337.4
57°	8075.4	7961.1	7891.7	7630.6	7461.9	7312.5	7157.8	6761.4	5979.2	4808.5	4372.5
57.5°	8070.1	7964.6	7921.6	7644.7	7502.3	7372.2	7195.6	6794.8	5992.4	4805.0	4365.5
60°	7740.5	7722.9	7882.9	7657.0	7655.2	7621.8	7420.6	6931.9	6023.1	4754.0	4289.9
62.5°	7060.2	7136.7	7457.5	7549.8	7770.4	7842.5	7520.8	6885.3	5886.0	4560.6	4095.7
65°	6224.4	6368.5	6764.0	7200.0	7752.8	7973.4	7500.6	6639.2	5560.8	4210.8	3730.1
67.5°	5269.0	5404.4	5864.0	6540.8	7454.0	7769.5	7238.6	6176.1	5030.8	3734.5	3260.7
70°	4250.4	4353.2	4734.7	5530.1	6718.3	7172.7	6541.7	5478.2	4294.3	3155.3	2707.9
72.5°	3237.0	3276.6	3634.3	4384.0	5528.3	6094.3	5442.2	4502.6	3550.8	2528.6	2177.9
75°	2348.4	2388.9	2692.1	3151.7	4021.0	4745.2	4240.7	3498.9	2703.5	1926.6	1670.8
77.5°	1677.8	1721.8	1890.5	2156.8	2751.0	3368.8	3009.4	2555.0	1864.2	1262.1	1158.4
80°	1191.8	1209.4	1386.0	1488.9	1785.9	2170.0	2069.8	1763.1	1193.6	843.7	775.2
82.5°	821.8	835.8	984.4	1037.1	1154.0	1373.7	1373.7	1201.5	756.7	550.2	525.6
85°	486.0	488.7	606.4	656.5	675.0	816.5	839.4	653.0	415.7	248.7	246.1
87.5°	181.1	180.2	276.9	253.1	221.5	248.7	288.3	196.9	143.3	64.2	49.2
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°	2993.5	2993.5	2993.5	2993.5	2993.5	2993.5	2993.5	2993.5	2993.5	2993.5
2.5°	2976.8	2956.6	2943.4	2921.5	2903.0	2881.0	2874.9	2855.6	2852.9	2847.6
5°	2962.8	2915.3	2869.6	2829.2	2800.2	2772.1	2757.1	2739.5	2729.0	2735.1
7.5°	2959.3	2887.2	2813.4	2759.8	2717.6	2675.4	2658.7	2649.9	2649.9	2658.7
10°	2965.4	2864.3	2772.1	2697.4	2644.6	2606.8	2589.2	2582.2	2592.8	2596.3
12.5°	2976.8	2853.8	2741.3	2650.8	2593.6	2554.1	2550.6	2555.9	2569.9	2576.1
15°	2983.9	2833.6	2701.7	2598.0	2547.9	2526.8	2523.3	2542.7	2572.6	2582.2
17.5°	3001.5	2810.7	2650.8	2552.3	2506.6	2504.0	2514.5	2534.8	2572.6	2579.6
20°	3000.6	2780.0	2600.7	2496.1	2474.1	2482.9	2503.1	2530.4	2569.0	2581.3
22.5°	3016.4	2743.1	2546.2	2439.8	2430.2	2460.1	2489.9	2516.3	2562.9	2576.9
25°	3038.4	2712.3	2482.0	2379.2	2382.7	2421.4	2465.3	2498.7	2544.4	2556.7
27.5°	3060.3	2683.3	2413.5	2304.5	2311.5	2366.9	2434.6	2471.5	2514.5	2536.5
30°	3087.6	2650.8	2341.4	2221.9	2231.5	2298.3	2374.8	2424.9	2473.2	2493.4
32.5°	3118.3	2623.5	2268.4	2134.0	2136.6	2221.9	2322.9	2379.2	2417.9	2441.6
35°	3157.9	2601.6	2197.3	2037.3	2038.2	2133.1	2256.1	2322.9	2357.2	2383.6
37.5°	3237.9	2596.3	2131.3	1945.9	1943.3	2056.6	2183.2	2259.7	2288.7	2310.6
40°	3327.5	2592.8	2061.9	1854.5	1855.4	1974.0	2107.6	2187.6	2208.7	2229.8
42.5°	3426.0	2584.0	1988.1	1769.2	1774.5	1896.7	2034.7	2112.0	2128.7	2146.3
45°	3525.3	2565.5	1901.9	1690.1	1694.5	1821.1	1952.9	2028.5	2041.7	2060.1
47.5°	3620.2	2527.7	1821.1	1614.5	1633.9	1742.0	1860.6	1923.0	1931.0	1952.0
50°	3708.1	2474.1	1737.6	1553.9	1564.4	1655.9	1759.6	1807.0	1812.3	1822.0
52.5°	3780.2	2395.9	1642.7	1488.9	1496.8	1567.1	1658.5	1698.9	1694.5	1699.8
55°	3805.7	2286.0	1553.9	1422.9	1422.1	1473.0	1557.4	1603.1	1597.0	1595.2
57°	3786.3	2176.2	1485.3	1372.0	1368.5	1403.6	1474.8	1514.4	1520.5	1525.8
57.5°	3767.9	2148.9	1464.3	1358.8	1354.4	1386.9	1455.5	1493.3	1502.9	1502.0
60°	3625.5	1975.8	1373.7	1300.8	1282.3	1304.3	1361.4	1391.3	1391.3	1398.3
62.5°	3367.1	1782.4	1295.5	1233.1	1198.8	1224.3	1270.9	1293.7	1277.9	1282.3
65°	3000.6	1585.5	1217.3	1159.3	1115.3	1147.0	1192.7	1221.7	1207.6	1205.0
67.5°	2579.6	1403.6	1133.8	1074.0	1042.4	1074.0	1132.0	1190.9	1191.8	1190.9
70°	2137.5	1244.5	1044.1	986.1	958.9	998.4	1080.2	1168.1	1173.3	1168.9
72.5°	1727.0	1106.5	949.2	896.5	874.5	926.4	1023.0	1125.0	1132.0	1134.7
75°	1364.1	980.9	842.0	803.3	791.9	845.5	953.6	1060.8	1046.8	1055.6
77.5°	974.7	831.4	728.6	702.2	697.0	737.4	842.9	914.9	894.7	893.8
80°	696.1	683.8	611.7	596.8	587.1	616.1	693.5	759.4	739.2	723.3
82.5°	537.9	536.1	501.0	454.4	444.7	498.3	564.3	591.5	429.8	434.2
85°	324.3	338.4	298.8	301.5	324.3	356.8	392.9	410.4	205.7	162.6
87.5°	75.6	78.2	93.2	113.4	117.8	138.0	189.0	226.8	91.4	74.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)