

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: P1461479

Luminaire Tested: USSL-110-8540-U-T2U

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461479
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-110-8540-U-T2U
Description: USSL DISCRETE LED 1 SQUARE 110W 85CRI 4000k FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (40) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14991.2 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - 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

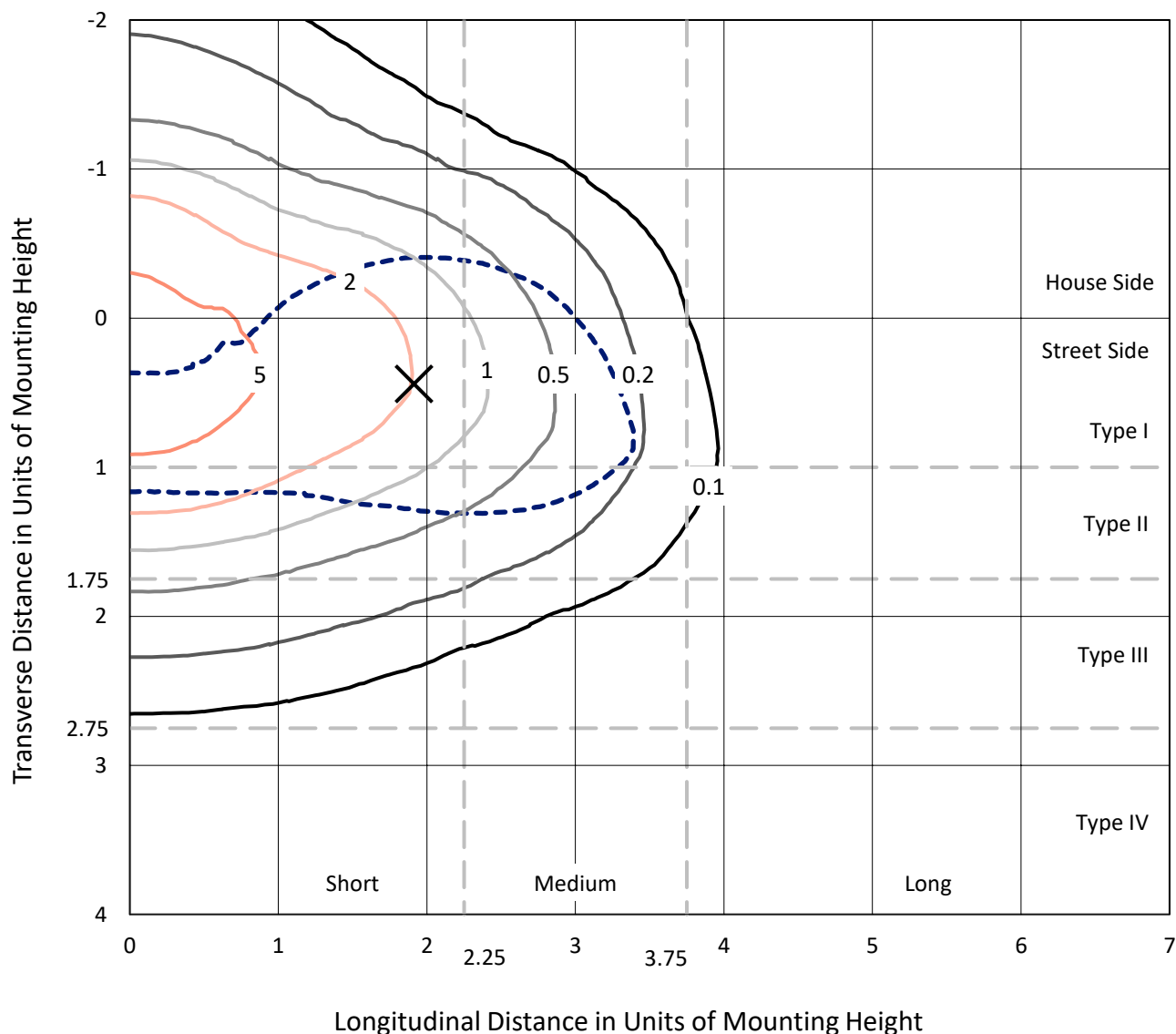
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

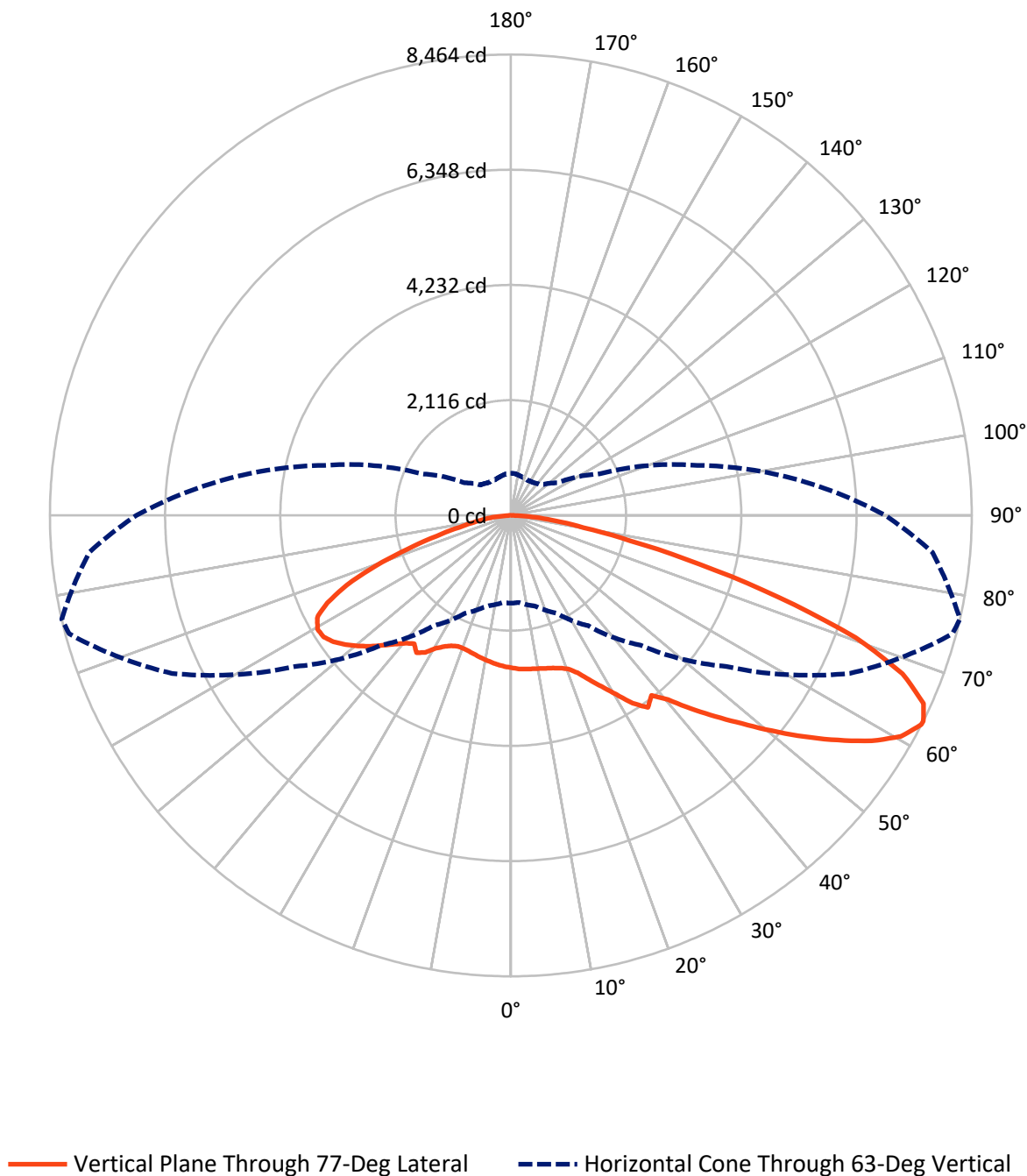


Based on 20 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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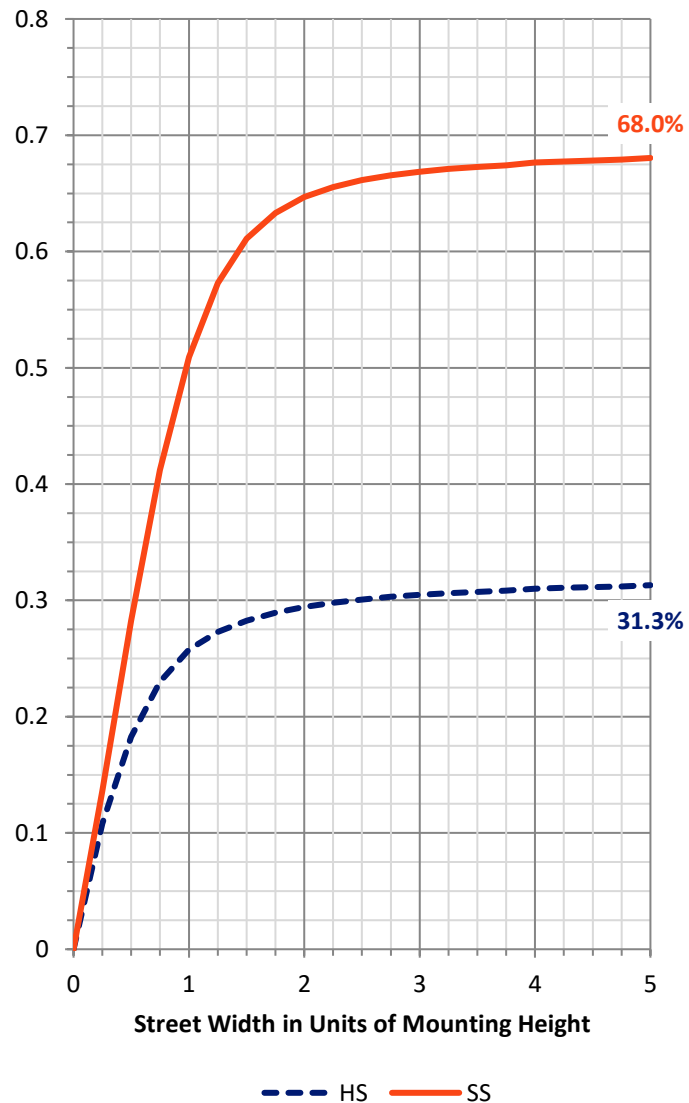
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4754.7	0.0	4754.7
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	10236.5	0.0	10236.5
	% Fixture	68.3	0.0	68.3
Total	Lumens	14991.2	0.0	14991.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.6	1.8
10°-20°	820.9	5.5
20°-30°	1457.5	9.7
30°-40°	2171.4	14.5
40°-50°	2783.5	18.6
50°-60°	3126.9	20.9
60°-70°	2761.1	18.4
70°-80°	1320.1	8.8
80°-90°	282.3	1.9
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°	14991.2	100.0
0°-180°	14991.2	100.0

Coefficient of Utilization



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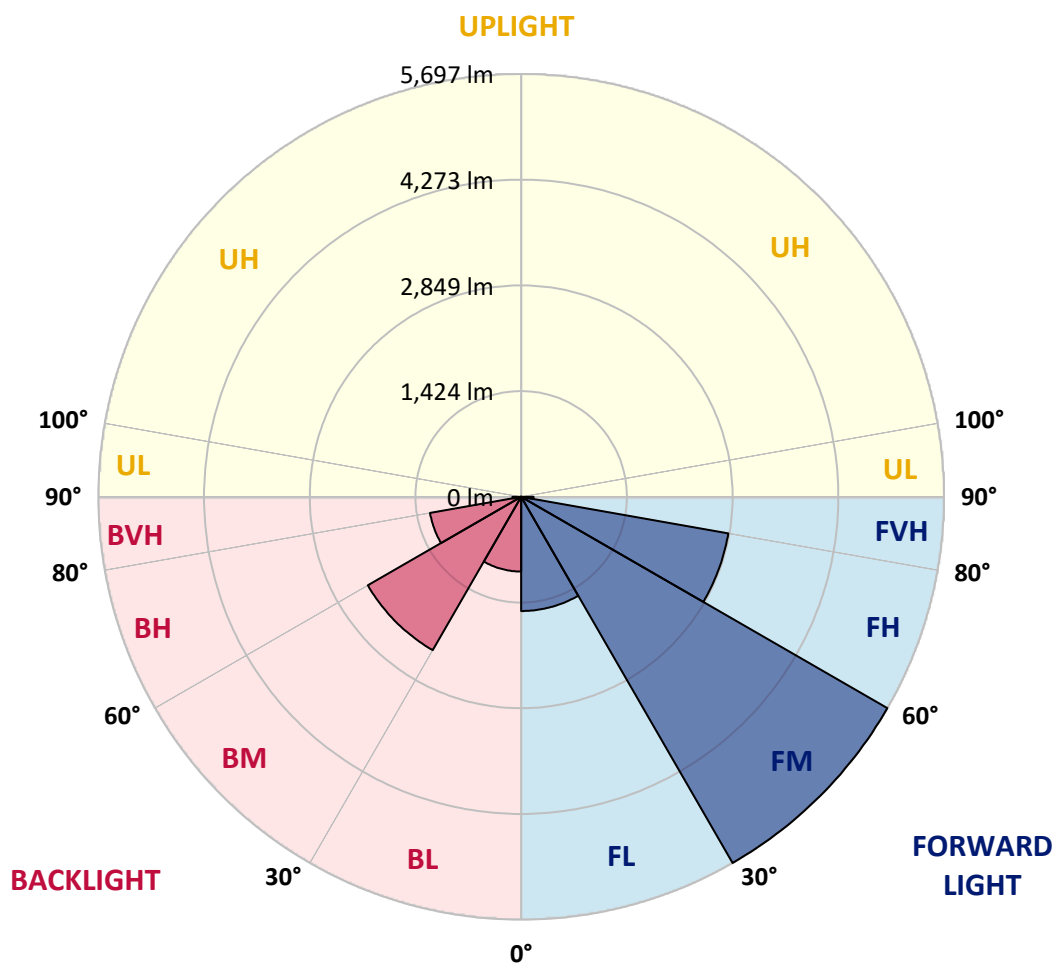
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1538.7	10.3			
FM	(30°-60°)	5697.2	38.0			
FH	(60°-80°)	2834.5	18.9			G2/5000
FVH	(80°-90°)	166.0	1.1			G2/225
BL	(0°-30°)	1007.2	6.7	B3/2500		
BM	(30°-60°)	2384.5	15.9	B2/2500		
BH	(60°-80°)	1246.6	8.3	B3/2500		G3/2500
BVH	(80°-90°)	116.3	0.8			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9
2.5°	2866.4	2879.0	2867.1	2865.7	2860.9	2846.9	2847.6	2829.5	2816.3	2822.5	2805.1
5°	2974.4	2975.8	2969.6	2959.1	2941.0	2913.1	2888.0	2861.6	2830.2	2833.0	2805.8
7.5°	3118.0	3121.5	3097.8	3076.9	3040.6	2989.8	2946.6	2890.8	2843.5	2844.8	2800.3
10°	3277.5	3281.0	3260.8	3224.6	3166.0	3091.5	3011.4	2936.1	2863.7	2860.2	2795.4
12.5°	3458.0	3462.2	3446.8	3384.1	3307.5	3205.1	3098.5	2987.0	2891.5	2881.8	2803.0
15°	3660.0	3667.7	3630.8	3568.8	3469.1	3332.6	3196.0	3051.1	2923.6	2908.2	2810.7
17.5°	3952.0	3926.9	3900.4	3815.4	3665.6	3497.0	3304.7	3128.4	2965.4	2948.7	2823.9
20°	4248.1	4250.2	4223.0	4170.1	3987.5	3770.1	3476.1	3240.6	3031.6	3008.6	2865.7
22.5°	4225.8	4226.5	4239.0	4263.4	4243.2	4129.0	3859.3	3492.1	3182.1	3137.5	2946.6
25°	4299.7	4312.2	4303.8	4285.7	4197.2	4138.0	4079.5	3807.1	3403.6	3343.0	3098.5
27.5°	4475.2	4496.1	4482.9	4466.9	4365.9	4253.0	4081.6	3947.1	3630.1	3556.9	3269.2
30°	4664.1	4671.7	4652.9	4627.8	4554.7	4456.4	4293.4	4057.9	3861.4	3810.5	3511.6
32.5°	4805.5	4807.6	4798.5	4804.1	4729.6	4663.4	4549.1	4312.9	4129.0	4111.5	3910.2
35°	4910.0	4933.0	4926.0	4950.4	4905.8	4872.4	4811.1	4694.7	4402.1	4333.1	4026.5
37.5°	5012.4	5038.2	5059.1	5071.7	5029.9	5026.4	5015.2	4827.1	4287.8	4194.5	3844.7
40°	5044.5	5059.1	5146.2	5196.4	5132.3	5128.8	5105.8	4867.5	4510.8	4446.7	4089.9
42.5°	5011.1	5008.3	5112.1	5150.4	5185.2	5220.8	5265.4	5174.8	4887.0	4848.7	4459.2
45°	4799.2	4767.2	4822.9	5021.5	5142.0	5279.3	5468.1	5509.2	5321.1	5265.4	4865.4
47.5°	4528.2	4507.3	4577.0	4811.8	5025.7	5298.8	5630.5	5872.2	5758.0	5705.7	5334.3
50°	4101.8	4126.2	4271.1	4528.9	4836.2	5268.2	5761.5	6222.7	6255.5	6217.1	5806.7
52.5°	3544.4	3561.8	3871.2	4201.4	4574.9	5072.4	5818.6	6584.3	6773.1	6751.5	6289.6
55°	2947.3	2999.5	3221.8	3731.8	4180.5	4827.8	5778.9	6876.3	7320.1	7283.2	6796.8
57.5°	2439.3	2493.7	2647.0	3108.9	3714.4	4457.8	5631.2	7083.2	7808.5	7812.0	7270.6
60°	1982.3	2030.3	2143.2	2516.0	3167.4	4016.8	5335.7	7125.0	8202.9	8235.6	7614.1
62.5°	1660.4	1679.9	1786.5	2052.6	2617.7	3489.3	4921.9	6936.2	8397.3	8461.4	7771.6
63°	1613.0	1603.9	1723.8	1978.8	2472.1	3372.3	4836.2	6863.7	8398.0	8464.2	7770.9
65°	1369.1	1382.4	1459.7	1675.7	2081.2	2883.9	4344.3	6482.6	8232.8	8328.3	7596.0
67.5°	1073.7	1086.2	1192.1	1367.7	1656.2	2338.3	3695.6	5809.5	7673.3	7759.0	7001.7
70°	851.4	857.0	924.6	1084.1	1345.4	1822.0	2904.1	4868.9	6649.8	6716.7	5931.5
72.5°	690.5	708.6	753.2	850.0	1019.4	1384.4	2191.3	3839.8	5250.7	5150.4	4361.0
75°	579.0	584.6	629.2	677.2	765.0	997.1	1580.9	2830.9	3579.9	3572.3	2842.1
77.5°	489.1	500.3	510.7	533.7	583.9	709.3	1110.6	1966.2	2279.8	2240.8	1638.8
80°	412.5	416.7	412.5	416.7	435.5	480.1	721.1	1287.6	1453.4	1351.7	997.1
82.5°	287.8	308.7	311.4	325.4	332.4	351.2	482.2	838.9	925.3	831.9	587.4
85°	170.7	168.6	177.0	200.7	223.7	221.6	305.9	419.4	498.9	464.0	282.2
87.5°	60.6	57.1	57.1	70.4	75.9	82.2	100.3	131.0	124.0	124.7	70.4
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°	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9	2798.9
2.5°	2796.1	2784.2	2778.7	2768.9	2753.6	2745.2	2737.5	2727.1	2723.6	2714.6	2713.2
5°	2786.3	2774.5	2751.5	2726.4	2705.5	2689.5	2660.2	2642.8	2626.8	2624.0	2628.2
7.5°	2771.0	2756.4	2720.1	2683.9	2642.8	2615.6	2578.0	2553.6	2539.7	2536.9	2542.5
10°	2764.7	2738.2	2685.3	2633.7	2582.2	2539.7	2498.6	2467.9	2447.7	2444.9	2438.6
12.5°	2758.4	2725.0	2652.5	2587.7	2513.9	2464.4	2419.8	2394.7	2373.8	2371.1	2369.7
15°	2755.7	2713.2	2619.1	2532.0	2450.5	2391.3	2346.7	2326.5	2320.2	2316.0	2318.1
17.5°	2759.8	2704.8	2589.8	2475.6	2382.2	2322.3	2287.4	2274.2	2272.1	2273.5	2278.4
20°	2782.1	2711.1	2565.4	2428.2	2322.3	2261.0	2235.2	2228.2	2228.2	2235.9	2240.8
22.5°	2832.3	2744.5	2552.9	2389.9	2272.1	2215.0	2185.0	2176.7	2185.7	2199.7	2203.1
25°	2964.7	2841.4	2578.0	2368.3	2233.1	2164.8	2132.8	2131.4	2141.1	2153.7	2155.1
27.5°	3115.9	2962.6	2636.5	2364.8	2196.9	2113.3	2079.1	2074.9	2079.8	2092.4	2092.4
30°	3323.5	3124.2	2725.0	2389.9	2171.8	2056.8	2016.4	2003.2	2008.7	2024.8	2019.9
32.5°	3652.4	3382.0	2862.3	2433.8	2148.8	2000.4	1946.7	1935.6	1935.6	1948.1	1953.7
35°	3811.2	3573.0	2931.2	2417.0	2097.2	1934.9	1870.8	1854.8	1875.7	1899.3	1902.8
37.5°	3649.6	3406.4	2834.4	2343.9	2024.1	1857.5	1796.2	1783.0	1801.1	1824.1	1826.9
40°	3843.3	3561.1	2908.9	2346.0	1978.1	1785.1	1713.3	1670.8	1673.6	1691.7	1687.5
42.5°	4168.7	3825.9	3019.0	2355.7	1922.3	1706.3	1599.7	1525.9	1515.4	1518.2	1522.4
45°	4541.4	4124.1	3149.3	2357.8	1851.3	1609.5	1460.4	1369.1	1343.3	1328.0	1323.8
47.5°	4940.0	4443.2	3291.5	2352.9	1760.0	1484.8	1319.0	1227.7	1178.2	1155.2	1157.3
50°	5372.0	4773.5	3418.3	2329.9	1662.5	1352.4	1185.2	1096.0	1040.3	1027.0	1020.7
52.5°	5781.0	5097.4	3540.2	2296.5	1553.1	1217.2	1059.1	982.4	935.7	923.2	920.4
55°	6213.6	5419.3	3642.6	2238.7	1429.7	1089.7	948.3	896.7	864.0	855.6	857.0
57.5°	6584.3	5702.9	3697.7	2154.4	1311.3	976.8	867.5	833.3	813.1	817.3	820.1
60°	6860.2	5845.8	3686.5	2033.1	1190.8	884.9	801.3	783.2	783.2	817.3	827.7
62.5°	6902.7	5817.2	3574.3	1858.9	1059.8	807.5	744.1	726.7	744.1	785.9	794.3
63°	6877.7	5769.8	3545.1	1802.5	1039.6	790.8	731.6	714.9	738.6	772.0	772.0
65°	6630.3	5517.6	3285.2	1614.4	933.0	735.8	687.7	679.3	712.1	734.4	737.9
67.5°	6024.8	5001.3	2840.7	1336.4	821.5	673.1	629.9	644.5	668.9	686.3	691.9
70°	5064.0	4142.9	2272.8	1075.1	716.3	607.6	583.2	592.2	614.5	629.9	635.4
72.5°	3685.1	3122.2	1705.0	858.4	623.6	544.2	530.9	530.2	544.9	550.4	558.8
75°	2389.2	2089.6	1245.1	692.6	532.3	479.4	464.7	460.6	488.4	499.6	510.7
77.5°	1424.2	1294.6	889.1	569.2	453.6	393.7	402.0	402.0	430.6	465.4	481.5
80°	861.2	791.5	659.1	472.4	356.7	321.9	330.3	335.1	404.8	471.7	478.0
82.5°	519.1	510.0	489.1	365.8	276.6	246.0	262.7	294.7	381.1	291.9	336.5
85°	255.7	275.2	314.2	204.1	172.1	167.9	176.3	260.6	252.2	116.4	109.4
87.5°	65.5	78.0	73.9	54.3	46.7	43.2	58.5	97.5	80.1	27.9	16.7
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)