

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: P1461582

Luminaire Tested: USSL-70-8540-U-T2R

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461582
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-70-8540-U-T2R
Description: USSL DISCRETE LED 1 SQUARE 70W 85CRI 4000k FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source: (40) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10435 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.73%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

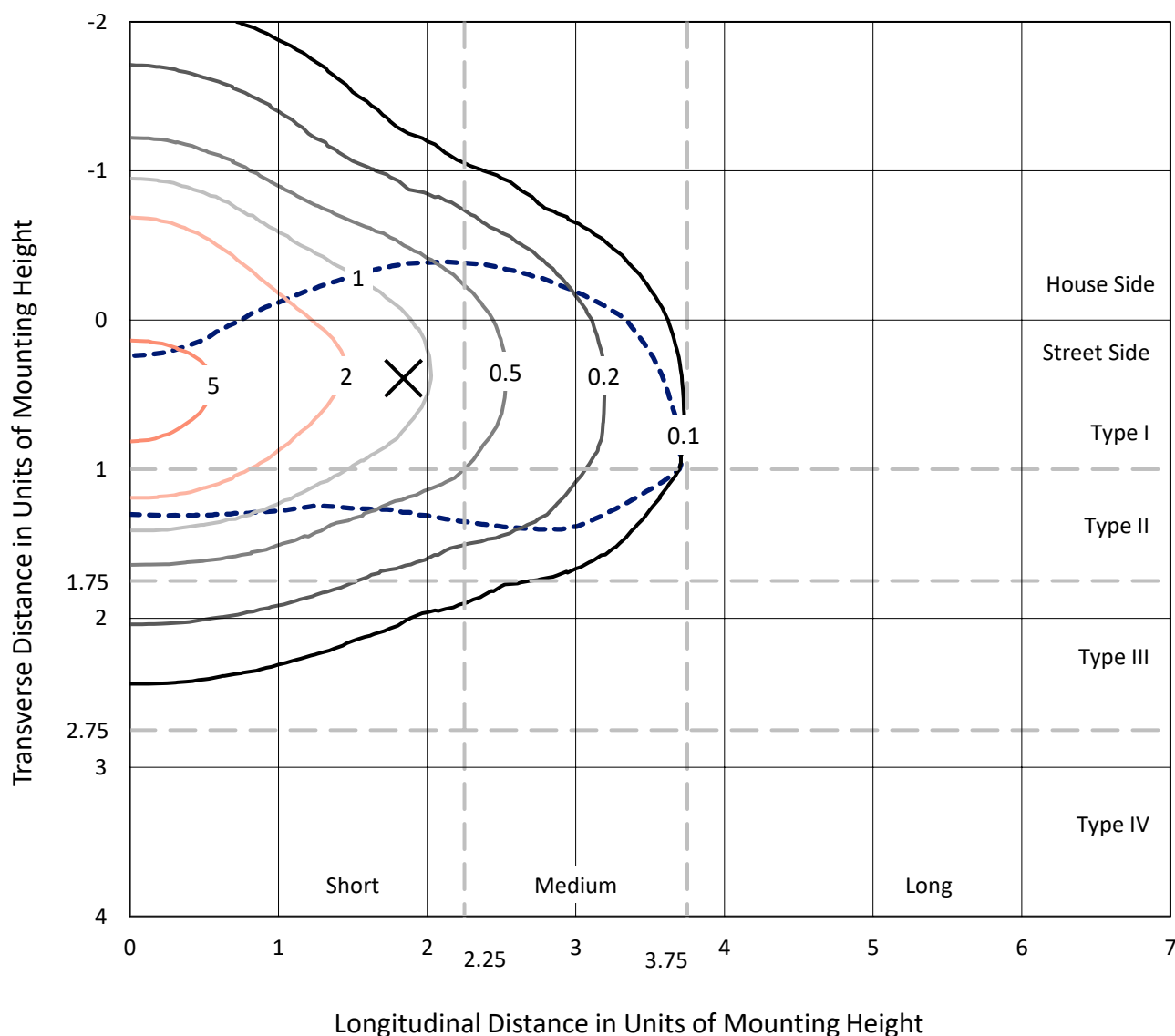
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

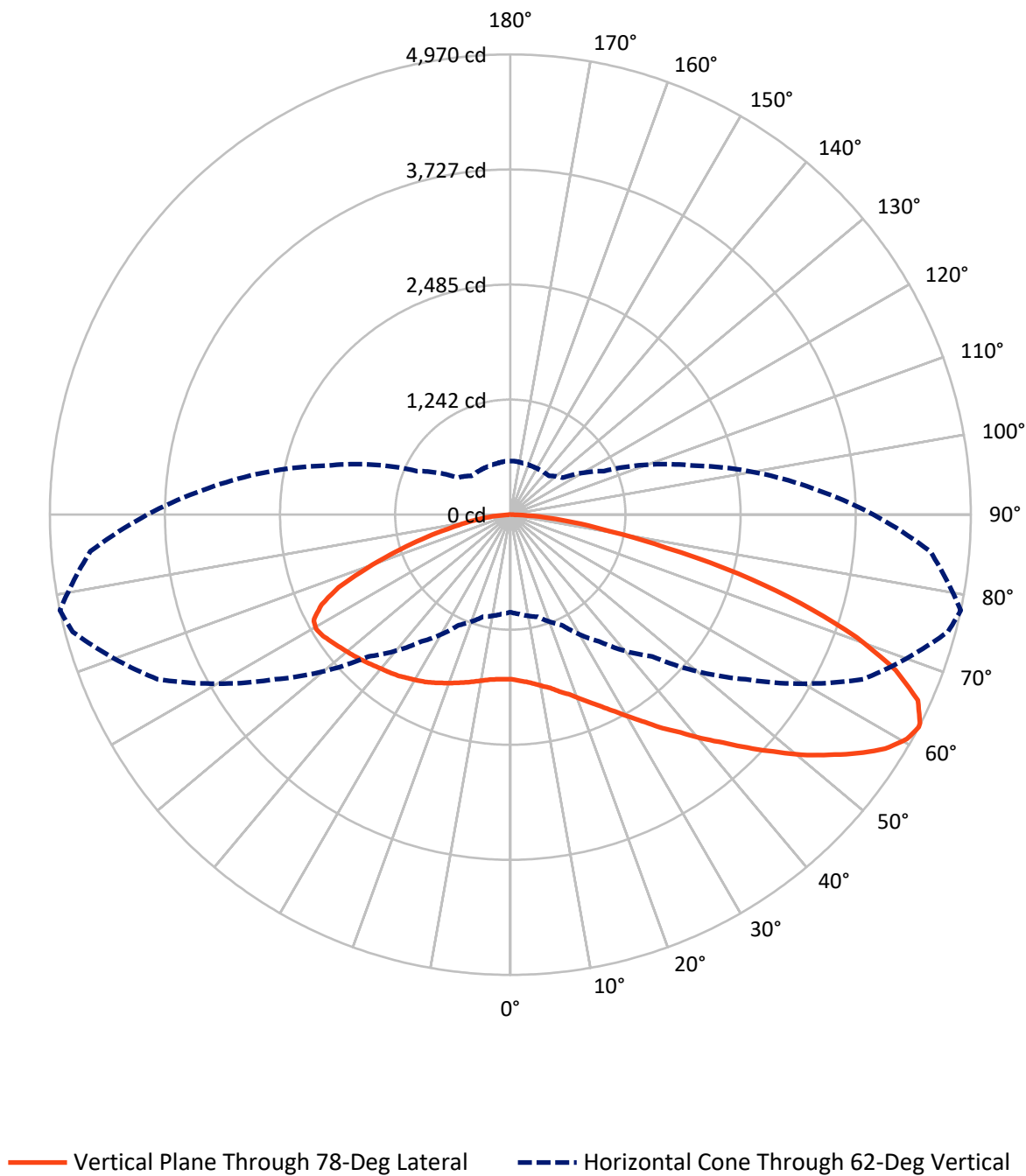


Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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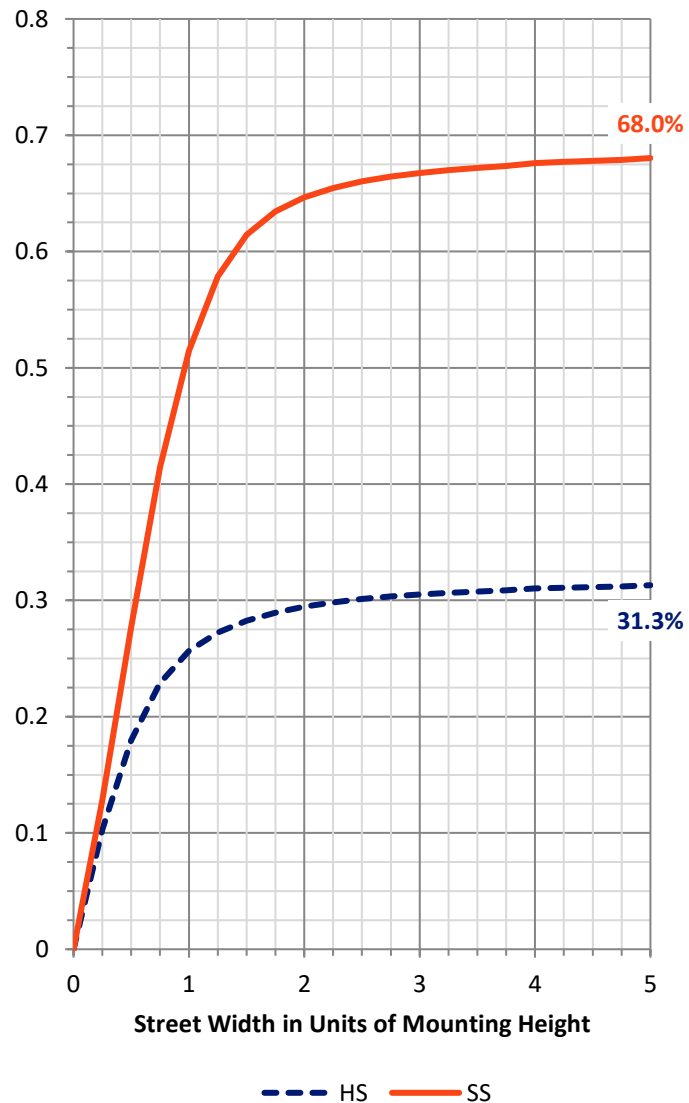
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3306.5	0.0	3306.5
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	7128.5	0.0	7128.5
	% Fixture	68.3	0.0	68.3
Total	Lumens	10435.0	0.0	10435.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.4	1.7
10°-20°	588.5	5.6
20°-30°	1118.9	10.7
30°-40°	1687.2	16.2
40°-50°	2044.7	19.6
50°-60°	2023.8	19.4
60°-70°	1681.7	16.1
70°-80°	904.6	8.7
80°-90°	209.3	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°	10435.0	100.0
0°-180°	10435.0	100.0

Coefficient of Utilization



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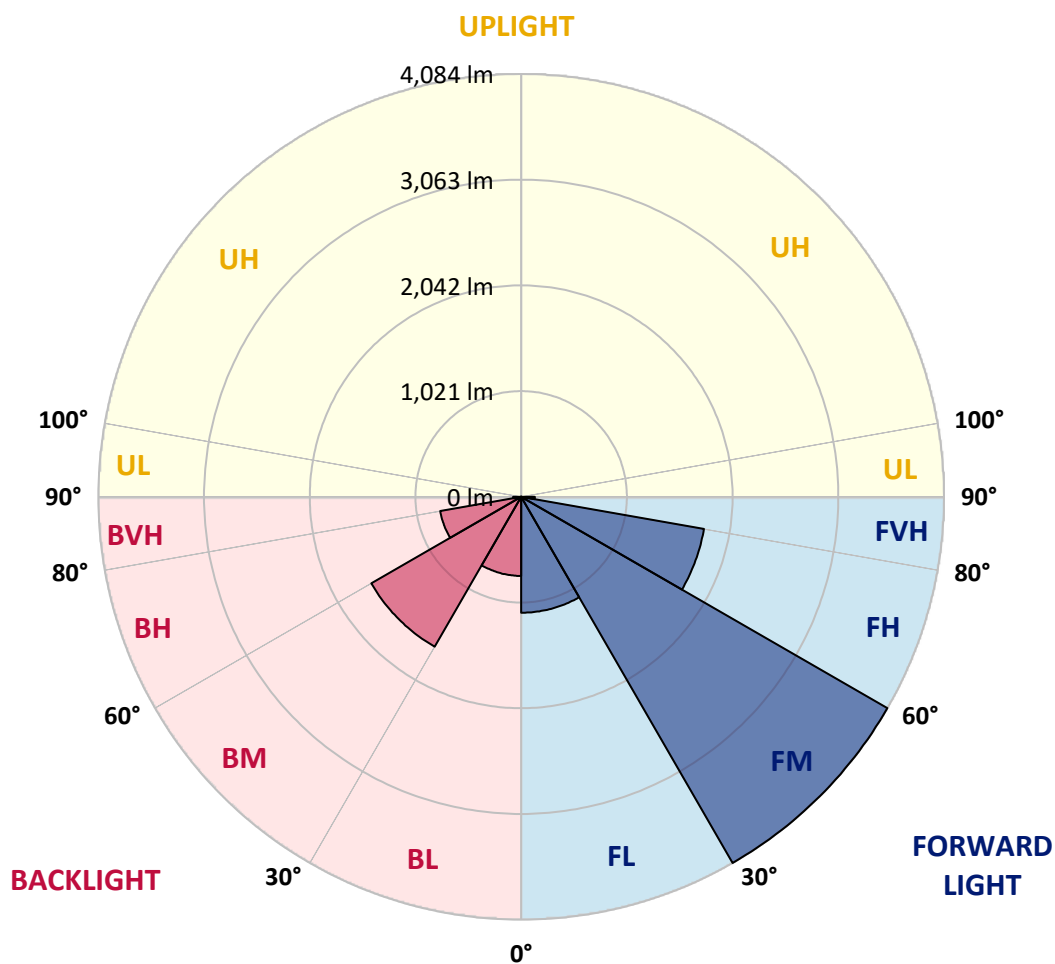
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1119.8	10.7			
FM	(30°-60°)	4084.3	39.1			
FH	(60°-80°)	1792.7	17.2			G1/1800
FVH	(80°-90°)	131.6	1.3			G2/225
BL	(0°-30°)	763.9	7.3	B2/1000		
BM	(30°-60°)	1671.3	16.0	B2/2500		
BH	(60°-80°)	793.6	7.6	B2/1000		G2/1000
BVH	(80°-90°)	77.6	0.7			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4
2.5°	1826.3	1825.4	1827.3	1826.3	1820.0	1814.2	1808.9	1797.3	1793.9	1793.9	1780.8
5°	1903.8	1913.0	1910.6	1894.1	1879.6	1866.0	1852.0	1830.7	1819.1	1813.7	1794.4
7.5°	2034.5	2029.6	2023.3	2001.6	1977.4	1944.0	1912.0	1878.1	1847.1	1842.8	1817.6
10°	2189.9	2182.6	2166.6	2137.6	2094.0	2046.6	1991.4	1939.6	1888.8	1881.0	1848.1
12.5°	2366.1	2378.6	2353.0	2301.2	2241.7	2165.7	2091.6	2009.8	1942.0	1920.7	1887.8
15°	2598.9	2588.7	2568.4	2498.7	2404.8	2307.5	2200.0	2090.1	1998.7	1981.7	1929.0
17.5°	2839.9	2818.2	2789.1	2709.7	2597.4	2455.6	2327.8	2185.5	2069.8	2037.9	1975.9
20°	3099.9	3100.8	3043.2	2952.2	2813.8	2638.6	2470.6	2296.3	2153.1	2115.3	2035.0
22.5°	3369.0	3373.4	3310.4	3202.0	3049.5	2851.1	2637.6	2431.4	2247.5	2202.0	2095.0
25°	3643.5	3644.4	3585.4	3468.7	3286.7	3071.8	2825.4	2576.1	2356.9	2297.8	2170.5
27.5°	3890.8	3900.0	3840.0	3713.7	3526.3	3295.4	3016.6	2738.3	2472.1	2406.7	2249.4
30°	4089.3	4084.9	4036.5	3924.2	3740.3	3498.7	3227.7	2915.5	2612.4	2533.1	2343.3
32.5°	4237.9	4235.5	4180.3	4072.8	3910.2	3701.1	3432.4	3096.5	2769.8	2671.5	2443.0
35°	4316.8	4319.7	4276.6	4176.9	4046.7	3858.9	3635.2	3320.1	2920.3	2831.7	2567.4
37.5°	4365.2	4370.0	4303.7	4223.8	4115.9	3984.7	3817.7	3521.0	3110.5	2984.7	2683.6
40°	4305.2	4311.5	4267.4	4174.5	4123.6	4053.0	3961.5	3733.0	3308.5	3174.9	2811.4
42.5°	4100.4	4105.7	4109.6	4059.8	4053.5	4061.2	4059.3	3910.7	3513.3	3364.2	2961.4
45°	3826.9	3835.2	3874.4	3889.4	3928.6	4011.8	4096.1	4078.6	3745.6	3588.8	3131.3
47.5°	3490.0	3528.7	3578.1	3671.1	3778.5	3913.6	4070.9	4209.8	3974.6	3823.5	3310.4
50°	2979.8	3013.7	3174.9	3365.1	3558.3	3792.6	3997.8	4285.3	4207.4	4077.2	3525.4
52.5°	2449.8	2479.8	2668.6	2982.7	3264.5	3610.1	3894.2	4303.2	4427.6	4309.5	3747.5
55°	1975.9	2009.3	2171.9	2494.8	2891.7	3326.4	3774.6	4280.5	4618.8	4549.1	4001.2
57.5°	1564.9	1575.1	1715.0	1999.6	2476.9	2971.1	3607.2	4249.0	4774.7	4769.4	4233.0
60°	1232.9	1250.3	1367.0	1608.0	1999.6	2549.0	3375.3	4227.7	4868.1	4918.9	4445.1
62°	1053.3	1078.0	1142.8	1315.7	1671.9	2165.7	3099.9	4203.5	4888.9	4969.8	4549.1
62.5°	1022.8	1030.5	1101.7	1267.3	1589.1	2089.2	3035.5	4199.2	4883.1	4962.5	4558.3
65°	861.6	867.9	918.7	1016.5	1256.1	1652.1	2595.5	4086.9	4755.8	4832.8	4494.4
67.5°	737.7	745.9	774.5	849.0	1000.5	1322.9	2154.5	3759.6	4477.0	4486.7	4233.5
70°	629.8	630.7	667.5	710.6	818.1	1038.3	1681.1	3238.3	4018.1	3962.9	3734.0
72.5°	523.3	530.0	562.0	607.5	667.5	828.2	1285.6	2641.5	3372.4	3279.0	3045.2
75°	434.2	435.2	459.4	497.1	550.4	658.8	984.6	1954.6	2598.4	2542.7	2270.2
77.5°	355.3	364.5	378.5	409.5	438.6	527.6	740.6	1401.3	1790.0	1720.8	1487.0
80°	285.1	293.8	309.3	324.8	341.7	388.7	565.4	966.2	1185.9	1091.1	925.0
82.5°	220.7	226.5	237.2	251.7	257.0	284.1	390.1	649.6	729.5	688.8	526.6
85°	139.4	141.3	142.8	154.9	168.5	183.5	232.3	341.7	399.3	371.3	244.0
87.5°	42.1	36.8	46.5	54.7	54.7	52.8	64.9	89.5	88.1	75.5	43.1
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°	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4
2.5°	1780.3	1782.3	1777.0	1771.6	1764.9	1766.3	1761.0	1762.9	1760.0	1755.2	1753.7
5°	1792.9	1787.6	1779.4	1773.6	1767.8	1768.2	1760.0	1762.4	1761.0	1757.6	1753.2
7.5°	1810.8	1801.6	1791.5	1785.7	1777.4	1777.0	1771.2	1768.7	1767.3	1764.9	1763.9
10°	1836.5	1823.4	1812.8	1803.1	1793.4	1792.4	1783.7	1782.3	1779.9	1779.4	1775.5
12.5°	1870.4	1852.5	1837.0	1824.4	1811.8	1808.9	1799.7	1793.4	1790.0	1787.1	1784.7
15°	1906.2	1883.9	1864.1	1844.2	1829.7	1820.5	1805.0	1796.8	1791.5	1785.2	1784.7
17.5°	1945.4	1919.3	1888.8	1862.2	1840.9	1824.4	1804.1	1792.0	1784.7	1777.9	1775.5
20°	1994.3	1959.0	1916.4	1880.5	1848.6	1822.9	1796.3	1776.5	1760.5	1751.8	1749.4
22.5°	2043.2	2000.1	1943.0	1895.1	1851.0	1816.2	1776.5	1747.4	1727.6	1716.5	1714.5
25°	2101.3	2048.0	1971.1	1905.2	1846.2	1799.7	1748.9	1713.5	1690.3	1675.8	1676.8
27.5°	2165.7	2097.4	1996.7	1905.7	1834.6	1770.7	1714.0	1670.0	1648.2	1628.8	1629.8
30°	2236.3	2149.7	2013.7	1902.8	1808.9	1732.9	1665.1	1617.7	1590.6	1567.4	1566.4
32.5°	2316.2	2203.9	2029.6	1897.5	1779.9	1686.4	1609.0	1556.7	1521.4	1501.0	1499.1
35°	2401.4	2266.3	2050.0	1885.9	1744.0	1630.3	1547.5	1481.7	1448.3	1414.9	1413.4
37.5°	2489.5	2320.6	2063.5	1863.1	1691.8	1560.6	1463.3	1392.6	1332.6	1306.5	1303.6
40°	2590.7	2385.9	2070.8	1831.7	1624.5	1476.8	1376.6	1279.4	1220.8	1191.3	1187.9
42.5°	2692.8	2456.6	2082.9	1793.4	1546.1	1382.5	1250.3	1159.3	1110.4	1074.1	1079.0
45°	2820.1	2536.4	2095.5	1745.0	1455.1	1265.3	1129.3	1041.2	996.7	969.6	969.1
47.5°	2955.1	2618.7	2107.1	1685.5	1356.3	1148.2	1013.6	935.2	901.3	882.4	879.0
50°	3094.6	2712.6	2114.8	1611.4	1245.5	1018.0	905.2	846.1	813.7	799.7	795.3
52.5°	3266.4	2817.2	2119.2	1533.5	1123.5	906.6	817.1	770.6	748.8	735.8	737.2
55°	3438.2	2930.5	2123.1	1438.6	1003.9	799.7	741.6	709.1	699.9	694.6	692.2
57.5°	3635.2	3067.9	2125.0	1338.9	890.2	714.0	678.6	656.9	648.1	656.9	659.8
60°	3815.8	3193.3	2104.7	1221.8	782.2	642.3	621.0	608.0	606.5	610.9	613.3
62°	3917.9	3271.7	2044.6	1113.8	695.1	592.5	579.9	573.1	571.2	578.9	578.0
62.5°	3934.4	3280.4	2021.4	1080.4	680.1	583.3	570.7	561.5	562.0	570.2	568.3
65°	3923.3	3249.0	1829.7	922.1	592.5	526.6	520.4	514.5	516.0	524.7	523.7
67.5°	3716.6	3042.8	1572.7	767.2	519.9	477.8	471.0	466.6	475.3	484.1	488.9
70°	3302.7	2619.2	1238.2	631.7	454.5	426.0	424.5	420.2	435.2	439.5	443.4
72.5°	2701.0	2107.1	957.5	519.9	396.0	373.2	373.2	379.0	383.4	390.6	391.6
75°	1995.3	1589.1	731.9	433.2	340.8	323.8	324.8	328.2	325.3	323.8	325.3
77.5°	1314.2	1039.7	547.9	355.3	292.4	274.9	271.1	273.5	284.6	302.0	303.5
80°	793.8	669.0	405.6	289.9	239.1	217.3	221.7	231.9	279.8	296.2	297.7
82.5°	463.2	411.0	305.4	226.1	183.9	163.1	171.8	222.7	250.7	161.7	179.6
85°	213.0	198.5	184.9	138.4	110.8	102.1	123.9	192.7	169.9	74.5	57.6
87.5°	37.8	38.7	38.2	30.0	21.8	20.3	42.1	54.7	34.4	8.7	5.8
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)