

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635901

Luminaire Tested: GWS-SA3E-760-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21007.8 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

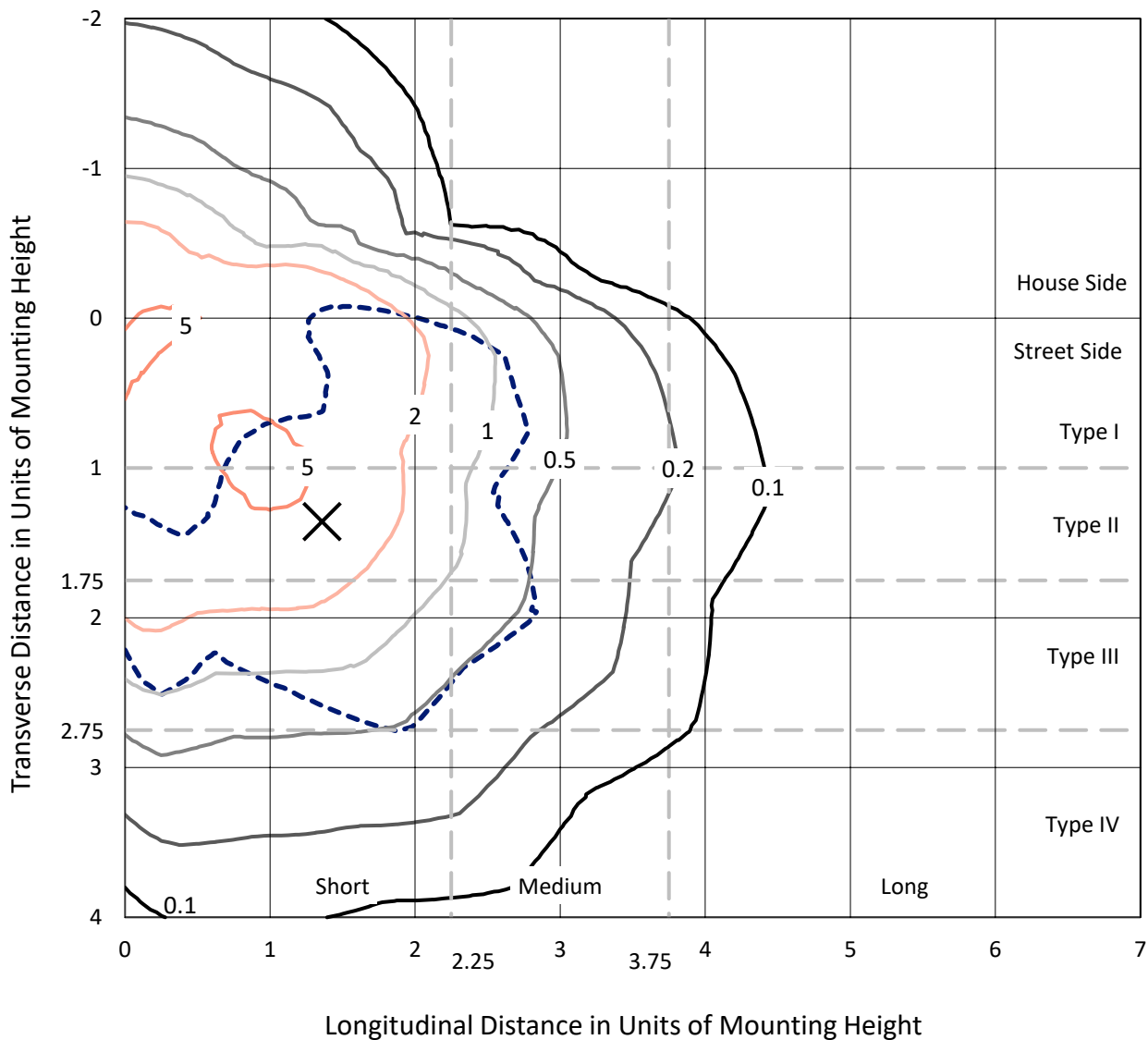
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

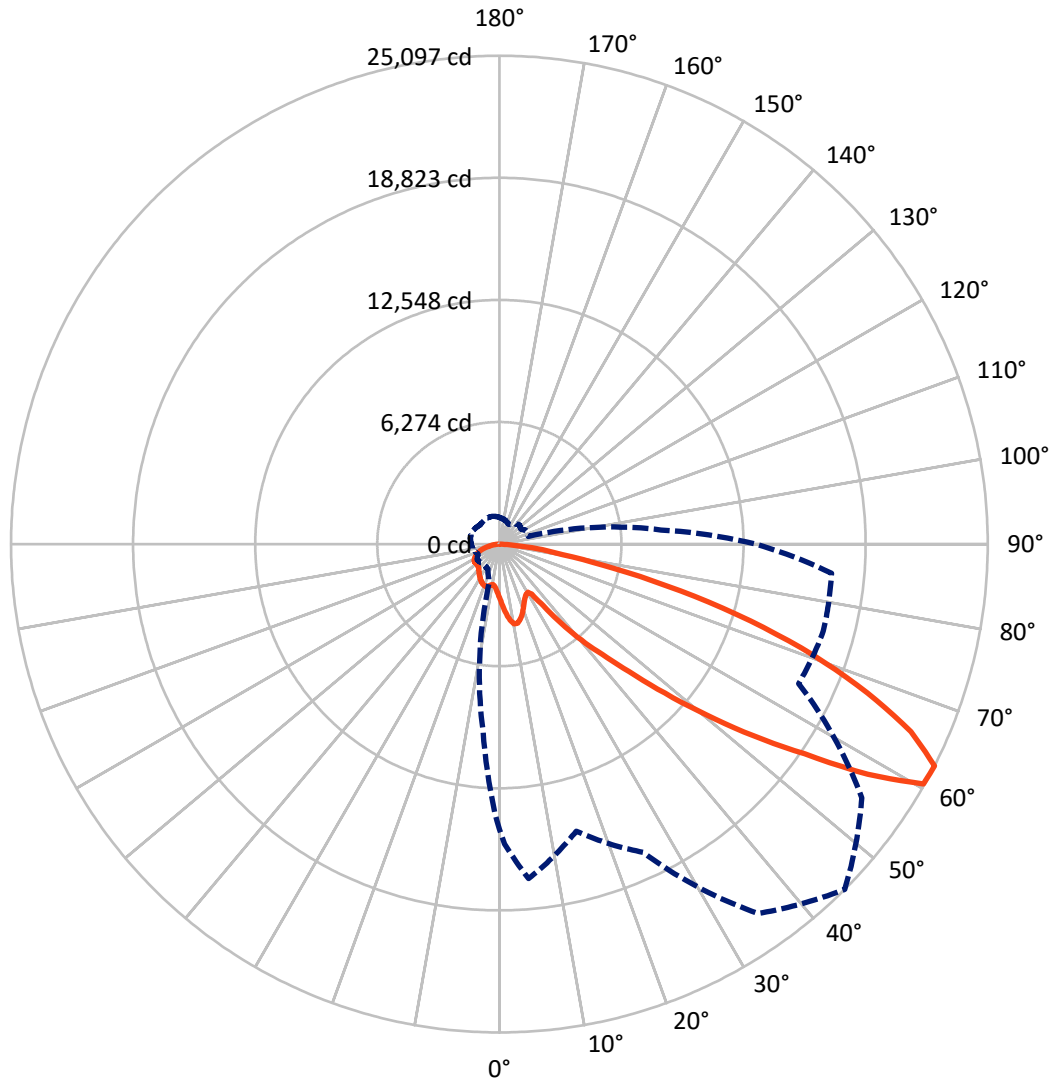
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5012.9	0.0	5012.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	15994.9	0.0	15994.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	21007.8	0.0	21007.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	1.3
10°-20°	853.6	4.1
20°-30°	1325.9	6.3
30°-40°	1800.2	8.6
40°-50°	2853.1	13.6
50°-60°	5032.9	24.0
60°-70°	5599.8	26.7
70°-80°	2840.0	13.5
80°-90°	430.0	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°	21007.8	100.0
0°-180°	21007.8	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2
2.5°	2996.5	2994.9	3025.2	3071.3	3114.2	3133.3	3165.1	3161.9	3136.5	3103.1	3092.0
5°	3231.9	3238.3	3290.8	3392.6	3505.5	3553.2	3573.9	3565.9	3519.8	3460.9	3357.6
7.5°	3445.0	3456.2	3537.3	3690.0	3829.9	3893.6	3944.5	3934.9	3868.1	3758.4	3605.7
10°	3600.9	3613.6	3710.7	3890.4	4046.3	4101.9	4167.1	4170.3	4111.5	3963.6	3807.7
12.5°	3756.8	3769.5	3860.2	4024.0	4125.8	4127.4	4165.5	4186.2	4189.4	4121.0	3965.1
15°	3919.0	3930.2	4012.9	4105.1	4100.3	4011.3	4011.3	4051.0	4138.5	4187.8	4079.7
17.5°	4057.4	4071.7	4135.3	4105.1	3963.6	3802.9	3783.8	3834.7	3987.4	4176.7	4165.5
20°	4171.9	4183.0	4218.0	4017.6	3760.0	3550.0	3513.4	3572.3	3779.1	4108.3	4230.8
22.5°	4281.7	4288.0	4268.9	3903.1	3540.5	3300.3	3255.8	3317.8	3540.5	3987.4	4286.4
25°	4412.1	4405.7	4315.1	3783.8	3340.1	3103.1	3057.0	3126.9	3359.2	3826.8	4346.9
27.5°	4563.2	4539.3	4354.8	3655.0	3185.8	2956.8	2924.9	2999.7	3216.0	3678.8	4394.6
30°	4692.0	4645.9	4361.2	3540.5	3106.3	2894.7	2875.6	2945.6	3146.0	3578.6	4455.0
32.5°	4835.2	4771.5	4397.8	3510.3	3150.8	3044.2	3069.7	3074.5	3165.1	3550.0	4545.7
35°	5040.3	4957.6	4498.0	3597.7	3608.9	3788.6	3880.8	3756.8	3453.0	3613.6	4717.5
37.5°	5350.5	5245.5	4701.5	3976.3	4555.2	4957.6	5180.3	4897.2	4327.8	3853.8	4976.7
40°	5727.4	5593.8	4962.4	4676.1	5439.5	6083.7	6479.7	6064.6	5228.0	4453.4	5340.9
42.5°	6253.9	6113.9	5468.2	5363.2	6258.7	7217.7	7734.7	7115.9	6021.7	5228.0	5924.6
45°	7171.6	7036.4	6395.4	6051.9	7217.7	8614.2	9339.5	8479.0	6828.1	6005.8	7015.7
47.5°	8867.1	8708.0	7772.8	6815.3	8312.0	10427.4	11442.1	10188.8	7666.3	6896.5	8848.0
50°	10902.9	10750.3	9501.7	7718.7	9520.8	12366.2	13777.0	12197.6	8631.7	7979.6	11038.1
52.5°	13352.3	13323.7	11968.6	8860.7	10778.9	14433.9	16367.9	14422.7	9689.4	9438.1	13519.3
55°	15560.0	15839.9	15101.9	10602.3	12404.4	17031.2	19032.0	16849.9	11124.0	11849.3	16425.2
57.5°	16749.7	17502.0	18636.0	14155.5	14767.9	20135.9	22319.6	19813.0	13589.3	15863.7	19119.5
60°	15963.9	16816.5	18871.4	16830.8	17112.3	22623.4	25033.0	22303.7	16010.1	18650.3	18966.8
62.5°	14656.5	15421.6	17249.1	15268.9	17474.9	23170.5	25096.7	22737.9	16972.3	17236.4	17133.0
65°	13105.8	13877.2	15812.9	13328.5	16321.8	21871.1	23245.3	21460.8	15243.4	15572.7	15610.9
67.5°	11046.1	11758.6	13729.3	11850.9	14877.6	19964.1	20403.1	19641.2	14037.8	14562.7	14014.0
70°	8253.2	8895.7	10635.7	9630.5	12541.2	17479.7	17125.0	17237.9	12684.3	13206.0	11706.2
72.5°	5639.9	6123.5	7615.4	7567.6	9603.5	13993.3	13498.7	14569.1	10594.4	11286.3	8924.4
75°	3944.5	4321.4	5504.8	5978.7	7259.1	10371.7	9613.0	10904.5	8273.8	9261.5	6511.5
77.5°	2420.8	2670.5	3476.9	4429.6	4669.7	7098.4	5970.8	8205.4	5810.1	6754.9	4343.7
80°	1210.4	1331.3	1689.1	2785.0	3096.7	4183.0	3297.1	4763.6	3931.7	4183.0	2403.3
82.5°	365.8	404.0	494.6	1057.7	1604.8	2408.0	1948.4	2767.5	2147.2	1961.1	946.4
85°	97.0	109.7	136.8	313.3	563.0	863.6	658.5	1340.8	1029.1	723.7	356.3
87.5°	8.0	8.0	6.4	6.4	3.2	0.0	0.0	95.4	192.5	109.7	62.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2
2.5°	3036.3	3029.9	2964.7	2917.0	2861.3	2807.3	2751.6	2702.3	2646.6	2590.9	2575.0
5°	3281.2	3236.7	3098.3	2982.2	2867.7	2767.5	2680.0	2589.4	2516.2	2444.6	2417.6
7.5°	3497.5	3419.6	3219.2	3042.6	2883.6	2759.5	2630.7	2498.7	2395.3	2293.5	2268.1
10°	3693.2	3589.8	3336.9	3114.2	2937.7	2796.1	2645.0	2468.5	2319.0	2194.9	2161.5
12.5°	3837.9	3725.0	3438.7	3182.6	2982.2	2823.2	2673.6	2517.8	2360.3	2199.7	2163.1
15°	3952.4	3834.7	3523.0	3235.1	2983.8	2778.6	2633.9	2579.8	2530.5	2373.0	2306.2
17.5°	4044.7	3920.6	3596.1	3266.9	2940.9	2643.4	2517.8	2597.3	2723.0	2624.3	2498.7
20°	4129.0	4003.3	3651.8	3289.2	2845.4	2457.3	2387.4	2555.9	2745.2	2742.0	2629.1
22.5°	4221.2	4098.7	3732.9	3301.9	2711.8	2268.1	2309.4	2495.5	2649.8	2695.9	2625.9
25°	4338.9	4230.8	3845.9	3330.5	2560.7	2137.6	2252.2	2417.6	2546.4	2557.5	2516.2
27.5°	4475.7	4394.6	4014.4	3397.3	2414.4	2070.8	2185.4	2307.8	2425.5	2430.3	2381.0
30°	4625.2	4571.1	4170.3	3453.0	2304.6	2050.2	2099.5	2198.1	2272.8	2285.6	2242.6
32.5°	4816.1	4768.3	4308.7	3416.4	2239.4	2045.4	2019.9	2070.8	2132.9	2132.9	2099.5
35°	5078.5	5011.7	4455.0	3276.5	2159.9	2026.3	1935.7	1950.0	1977.0	1981.8	1962.7
37.5°	5450.7	5340.9	4602.9	2999.7	2029.5	1957.9	1838.6	1821.1	1830.7	1843.4	1838.6
40°	5911.9	5732.2	4819.2	2667.3	1873.6	1825.9	1738.4	1705.0	1697.1	1722.5	1732.1
42.5°	6492.5	6217.3	5051.5	2357.1	1732.1	1674.8	1620.7	1592.1	1579.4	1622.3	1647.8
45°	7419.7	6966.4	5274.1	2050.2	1652.5	1546.0	1509.4	1488.7	1495.1	1546.0	1577.8
47.5°	9021.4	8110.0	5485.7	1856.1	1646.2	1453.7	1409.2	1414.0	1431.5	1485.5	1523.7
50°	11047.7	9641.7	5627.2	1775.0	1665.3	1398.1	1339.2	1364.7	1391.7	1444.2	1488.7
52.5°	13110.6	11068.4	5458.6	1730.5	1663.7	1399.6	1274.0	1350.3	1363.1	1415.6	1463.3
55°	14529.3	11227.4	4715.9	1662.1	1638.2	1463.3	1223.1	1344.0	1351.9	1399.6	1442.6
57.5°	15070.1	10683.5	3596.1	1681.2	1561.9	1512.6	1200.8	1299.4	1356.7	1398.1	1442.6
60°	14416.4	9657.6	2185.4	1730.5	1439.4	1509.4	1215.1	1218.3	1316.9	1386.9	1431.5
62.5°	13183.7	8340.6	1534.8	1590.5	1350.3	1425.1	1248.6	1122.9	1247.0	1331.3	1371.0
65°	11771.4	6791.5	1170.6	1369.4	1307.4	1294.7	1259.7	1038.6	1151.5	1234.2	1269.2
67.5°	10300.1	5278.9	951.1	1021.1	1181.7	1170.6	1151.5	963.8	1038.6	1097.5	1137.2
70°	8447.2	3693.2	803.2	766.6	1013.2	1049.7	1006.8	870.0	893.9	954.3	986.1
72.5°	6179.1	2301.5	660.1	633.0	814.3	917.7	895.5	766.6	777.8	835.0	860.5
75°	4443.9	1316.9	529.6	521.7	621.9	785.7	741.2	660.1	672.8	715.7	733.2
77.5°	2824.7	733.2	408.8	419.9	445.3	586.9	633.0	564.6	564.6	590.1	604.4
80°	1512.6	419.9	299.0	303.8	311.7	448.5	499.4	437.4	437.4	419.9	437.4
82.5°	617.1	241.8	205.2	190.9	208.4	307.0	349.9	278.3	291.1	262.4	268.8
85°	203.6	120.9	101.8	100.2	98.6	135.2	168.6	138.4	165.4	105.0	109.7
87.5°	27.0	22.3	12.7	9.5	11.1	4.8	9.5	11.1	11.1	8.0	8.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2
2.5°	2563.9	2551.2	2505.1	2516.2	2508.2	2495.5	2508.2	2484.4	2503.5	2509.8	2549.6
5°	2396.9	2366.7	2322.1	2299.9	2295.1	2282.4	2284.0	2272.8	2276.0	2303.1	2347.6
7.5°	2247.4	2218.8	2183.8	2167.9	2153.6	2139.2	2137.6	2136.1	2148.8	2172.6	2215.6
10°	2139.2	2123.3	2109.0	2115.4	2109.0	2102.7	2091.5	2091.5	2112.2	2155.1	2207.6
12.5°	2139.2	2136.1	2139.2	2158.3	2156.7	2158.3	2144.0	2152.0	2209.2	2282.4	2357.1
15°	2253.8	2228.3	2228.3	2237.8	2234.7	2234.7	2234.7	2268.1	2398.5	2511.4	2590.9
17.5°	2393.7	2319.0	2287.2	2282.4	2280.8	2280.8	2287.2	2358.7	2562.3	2681.6	2727.7
20°	2490.7	2349.2	2296.7	2276.0	2277.6	2280.8	2299.9	2398.5	2622.8	2683.2	2672.1
22.5°	2508.2	2325.3	2261.7	2231.5	2236.3	2239.4	2268.1	2373.0	2540.0	2549.6	2527.3
25°	2427.1	2258.5	2190.1	2166.3	2172.6	2171.0	2196.5	2272.8	2392.1	2388.9	2376.2
27.5°	2306.2	2152.0	2101.1	2085.2	2096.3	2083.6	2091.5	2150.4	2242.6	2239.4	2234.7
30°	2182.2	2048.6	2002.5	1994.5	2008.8	1989.7	1991.3	2040.6	2104.2	2101.1	2099.5
32.5°	2058.1	1945.2	1903.8	1903.8	1918.2	1897.5	1900.7	1943.6	1986.5	1973.8	1973.8
35°	1940.4	1860.9	1827.5	1821.1	1832.3	1818.0	1824.3	1864.1	1880.0	1862.5	1851.4
37.5°	1837.0	1802.0	1768.6	1746.4	1748.0	1749.6	1768.6	1798.9	1789.3	1763.9	1749.6
40°	1741.6	1741.6	1709.8	1668.4	1663.7	1674.8	1706.6	1740.0	1713.0	1684.4	1666.9
42.5°	1673.2	1687.5	1657.3	1616.0	1606.4	1625.5	1660.5	1684.4	1652.5	1620.7	1596.9
45°	1609.6	1644.6	1623.9	1577.8	1565.1	1587.3	1631.9	1641.4	1598.5	1568.2	1550.7
47.5°	1565.1	1612.8	1598.5	1553.9	1534.8	1566.7	1612.8	1611.2	1557.1	1525.3	1511.0
50°	1533.3	1593.7	1592.1	1553.9	1533.3	1573.0	1614.4	1593.7	1534.8	1501.4	1487.1
52.5°	1507.8	1592.1	1603.2	1581.0	1566.7	1601.6	1627.1	1587.3	1518.9	1483.9	1472.8
55°	1496.7	1598.5	1606.4	1585.7	1573.0	1604.8	1627.1	1600.1	1518.9	1487.1	1477.6
57.5°	1499.9	1590.5	1592.1	1563.5	1541.2	1581.0	1616.0	1608.0	1536.4	1499.9	1488.7
60°	1480.8	1547.6	1550.7	1506.2	1480.8	1528.5	1590.5	1585.7	1528.5	1490.3	1469.6
62.5°	1417.1	1476.0	1477.6	1436.2	1399.6	1468.0	1536.4	1534.8	1482.4	1444.2	1420.3
65°	1310.6	1372.6	1388.5	1348.8	1320.1	1393.3	1464.9	1461.7	1409.2	1374.2	1350.3
67.5°	1178.6	1245.4	1275.6	1248.6	1237.4	1304.2	1371.0	1369.4	1326.5	1293.1	1272.4
70°	1017.9	1073.6	1124.5	1124.5	1116.5	1192.9	1264.5	1258.1	1218.3	1192.9	1177.0
72.5°	884.3	927.3	943.2	959.1	982.9	1062.5	1122.9	1127.7	1099.0	1086.3	1099.0
75°	752.3	779.3	793.7	780.9	822.3	905.0	984.5	992.5	962.3	941.6	946.4
77.5°	618.7	648.9	663.2	634.6	631.4	736.4	833.4	850.9	825.5	793.7	803.2
80°	446.9	486.7	510.6	491.5	485.1	531.2	664.8	683.9	660.1	634.6	648.9
82.5°	273.6	295.8	302.2	321.3	361.0	380.1	427.8	491.5	474.0	451.7	491.5
85°	108.2	128.8	143.1	162.2	189.3	224.3	264.0	314.9	286.3	276.7	326.1
87.5°	6.4	1.6	0.0	3.2	27.0	52.5	112.9	155.9	130.4	140.0	168.6
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2	2788.2
2.5°	2581.4	2622.8	2678.4	2724.5	2783.4	2839.1	2896.3	2953.6	2983.8	2996.5
5°	2398.5	2474.8	2563.9	2662.5	2777.0	2897.9	3020.4	3146.0	3225.6	3231.9
7.5°	2288.7	2398.5	2521.0	2645.0	2786.6	2953.6	3147.6	3341.7	3422.8	3445.0
10°	2323.7	2446.2	2543.2	2659.3	2815.2	3023.6	3252.6	3480.0	3573.9	3600.9
12.5°	2463.7	2487.6	2517.8	2624.3	2815.2	3084.0	3360.7	3631.1	3731.3	3756.8
15°	2579.8	2465.3	2411.2	2524.1	2777.0	3136.5	3475.3	3774.3	3895.2	3919.0
17.5°	2589.4	2392.1	2274.4	2376.2	2710.2	3173.1	3585.0	3933.3	4035.1	4057.4
20°	2492.3	2314.2	2161.5	2223.5	2619.6	3189.0	3664.5	4049.4	4149.6	4171.9
22.5°	2382.6	2250.6	2085.2	2082.0	2509.8	3206.5	3760.0	4159.2	4267.3	4281.7
25°	2279.2	2163.1	2023.1	1978.6	2382.6	3239.9	3888.8	4324.6	4407.3	4412.1
27.5°	2158.3	2069.3	1973.8	1930.9	2271.2	3303.5	4079.7	4521.8	4571.1	4563.2
30°	2048.6	1981.8	1938.8	1926.1	2201.3	3351.2	4261.0	4715.9	4719.0	4692.0
32.5°	1932.5	1907.0	1907.0	1948.4	2144.0	3340.1	4408.9	4905.1	4874.9	4835.2
35°	1829.1	1833.9	1867.3	1964.3	2048.6	3228.7	4550.4	5142.1	5097.6	5040.3
37.5°	1730.5	1767.1	1814.8	1908.6	1922.9	3063.3	4715.9	5477.7	5422.0	5350.5
40°	1646.2	1701.8	1757.5	1803.6	1789.3	2827.9	4946.5	5872.2	5810.1	5727.4
42.5°	1579.4	1633.5	1695.5	1700.3	1705.0	2583.0	5191.4	6355.7	6344.5	6253.9
45°	1536.4	1571.4	1630.3	1622.3	1700.3	2312.6	5417.3	7093.7	7240.0	7171.6
47.5°	1507.8	1534.8	1541.2	1574.6	1741.6	2070.8	5708.3	8537.9	8945.0	8867.1
50°	1491.9	1518.9	1447.4	1577.8	1748.0	1915.0	6110.7	10351.0	11006.3	10902.9
52.5°	1490.3	1483.9	1375.8	1611.2	1713.0	1819.5	6320.7	11674.3	13128.1	13352.3
55°	1493.5	1414.0	1339.2	1620.7	1643.0	1784.6	5617.7	12310.5	15086.0	15560.0
57.5°	1464.9	1337.6	1359.9	1582.6	1511.0	1878.4	4152.8	12083.1	15868.5	16749.7
60°	1410.8	1264.5	1398.1	1479.2	1375.8	1717.8	2859.7	11068.4	15057.4	15963.9
62.5°	1332.8	1213.6	1393.3	1345.6	1326.5	1406.0	1965.9	9648.0	13770.6	14656.5
65°	1245.4	1172.2	1318.5	1216.7	1227.9	1081.5	1390.1	8044.8	12234.2	13105.8
67.5°	1151.5	1146.8	1208.8	1083.1	1037.0	857.3	1013.2	6447.9	10260.4	11046.1
70°	1045.0	1080.0	1099.0	962.3	841.4	672.8	752.3	4509.1	7569.2	8253.2
72.5°	938.4	941.6	968.6	836.6	629.8	539.2	564.6	2730.9	5142.1	5639.9
75°	830.2	800.0	825.5	680.7	469.2	442.2	435.8	1687.5	3551.6	3944.5
77.5°	714.1	680.7	647.3	512.1	377.0	342.0	334.0	946.4	2179.0	2420.8
80°	580.5	536.0	483.5	375.4	275.2	244.9	243.3	461.2	1086.3	1210.4
82.5°	451.7	367.4	353.1	233.8	170.2	149.5	159.1	176.5	327.6	365.8
85°	316.5	267.2	187.7	93.8	76.3	62.0	60.4	52.5	87.5	97.0
87.5°	176.5	116.1	60.4	11.1	12.7	14.3	11.1	8.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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