

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: P642006

Luminaire Tested: GWS-SA6C-722-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642006
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-SA6C-722-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19803.6 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

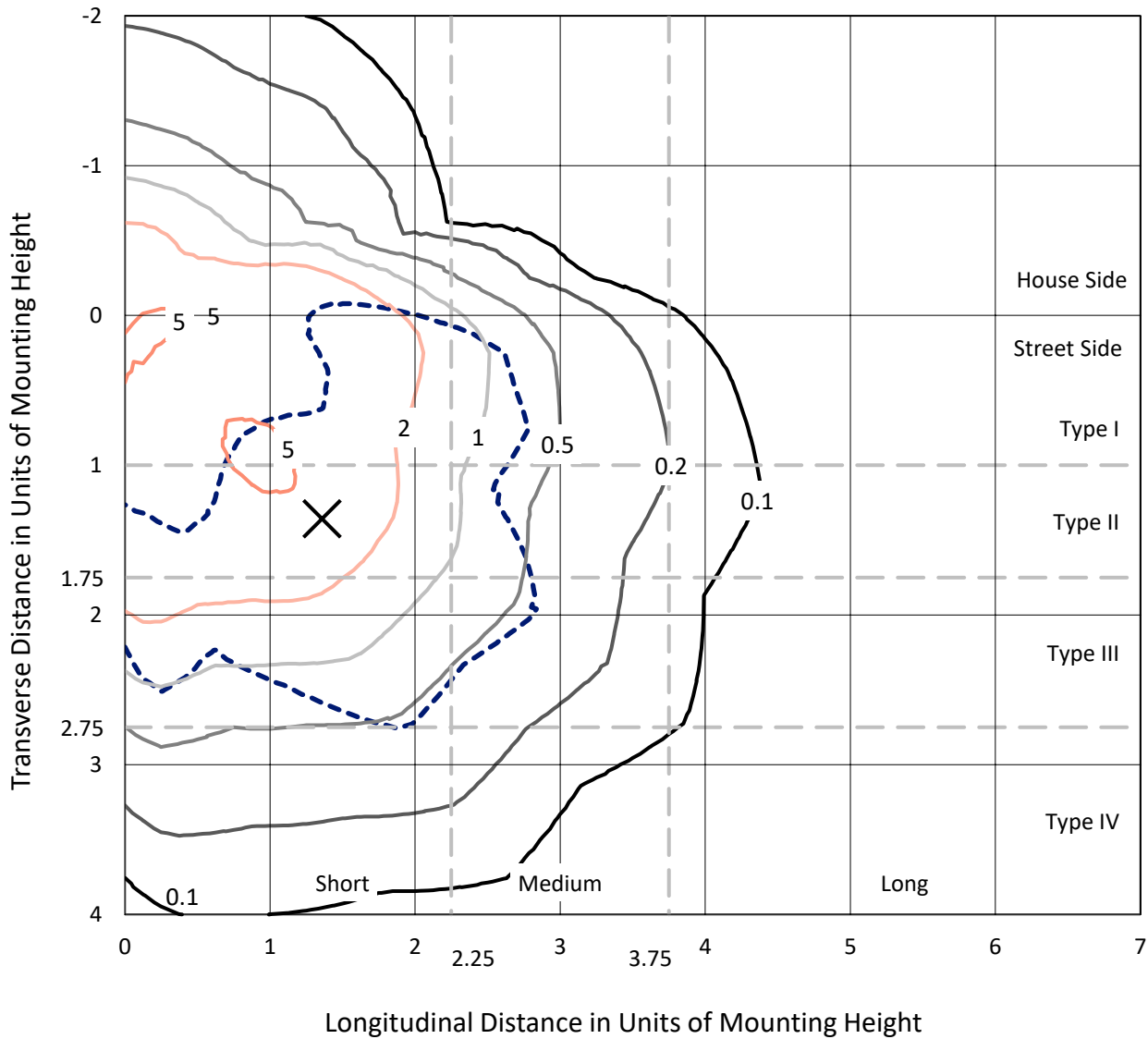
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

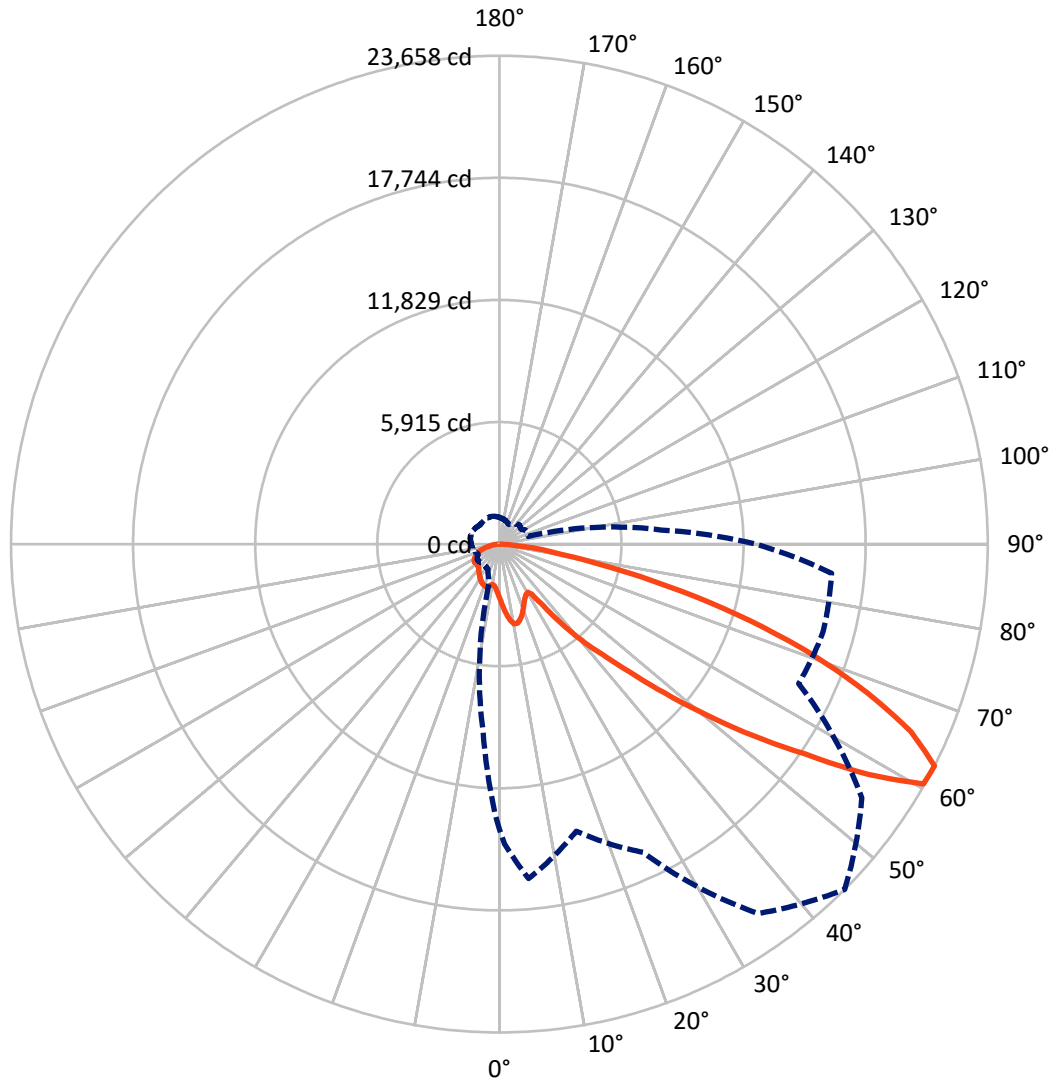
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	4725.5	0.0	4725.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	15078.1	0.0	15078.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	19803.6	0.0	19803.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.7	1.3
10°-20°	804.7	4.1
20°-30°	1249.9	6.3
30°-40°	1697.0	8.6
40°-50°	2689.6	13.6
50°-60°	4744.4	24.0
60°-70°	5278.8	26.7
70°-80°	2677.2	13.5
80°-90°	405.4	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°	19803.6	100.0
0°-180°	19803.6	100.0

Coefficient of Utilization



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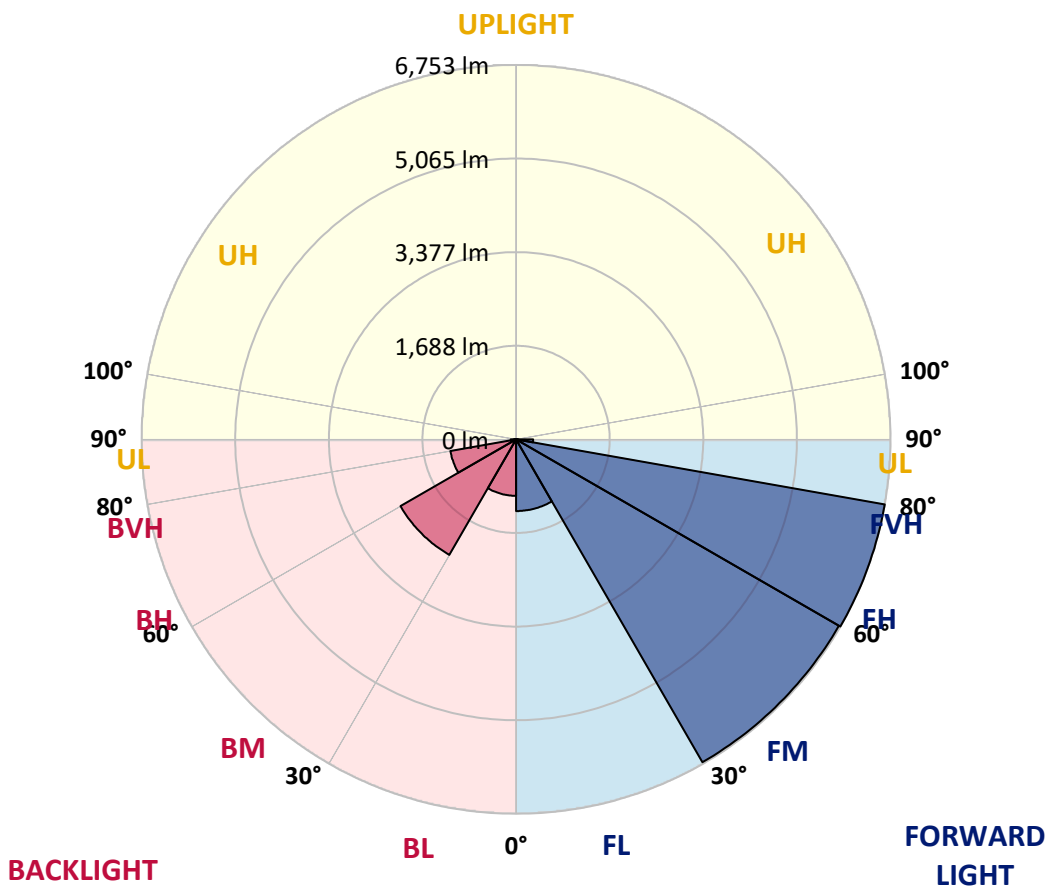
CATALOG NUMBER: GWS-SA6C-722-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1293.0	6.5			
FM (30°-60°)	6724.2	34.0			
FH (60°-80°)	6753.2	34.1			G3/7500
FVH (80°-90°)	307.7	1.6			G3/500
BL (0°-30°)	1018.2	5.1	B3/2500		
BM (30°-60°)	2406.7	12.2	B2/2500		
BH (60°-80°)	1202.9	6.1	B3/2500		G3/2500
BVH (80°-90°)	97.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3
2.5°	2824.8	2823.3	2851.7	2895.2	2935.7	2953.7	2983.7	2980.7	2956.7	2925.2	2914.7
5°	3046.7	3052.7	3102.1	3198.1	3304.5	3349.5	3369.0	3361.5	3318.0	3262.6	3165.1
7.5°	3247.6	3258.1	3334.5	3478.5	3610.4	3670.4	3718.4	3709.4	3646.4	3542.9	3399.0
10°	3394.5	3406.5	3498.0	3667.4	3814.3	3866.8	3928.3	3931.3	3875.8	3736.4	3589.4
12.5°	3541.4	3553.4	3638.9	3793.3	3889.3	3890.8	3926.8	3946.3	3949.3	3884.8	3737.9
15°	3694.4	3704.9	3782.8	3869.8	3865.3	3781.3	3781.3	3818.8	3901.3	3947.8	3845.8
17.5°	3824.8	3838.3	3898.3	3869.8	3736.4	3584.9	3566.9	3614.9	3758.8	3937.3	3926.8
20°	3932.8	3943.3	3976.2	3787.3	3544.4	3346.5	3312.0	3367.5	3562.4	3872.8	3988.2
22.5°	4036.2	4042.2	4024.2	3679.4	3337.5	3111.1	3069.1	3127.6	3337.5	3758.8	4040.7
25°	4159.2	4153.2	4067.7	3566.9	3148.6	2925.2	2881.7	2947.7	3166.6	3607.4	4097.7
27.5°	4301.6	4279.1	4105.2	3445.5	3003.2	2787.3	2757.3	2827.8	3031.7	3468.0	4142.7
30°	4423.1	4379.6	4111.2	3337.5	2928.2	2728.8	2710.8	2776.8	2965.7	3373.5	4199.6
32.5°	4558.0	4498.0	4145.7	3309.0	2970.2	2869.7	2893.7	2898.2	2983.7	3346.5	4285.1
35°	4751.4	4673.4	4240.1	3391.5	3402.0	3571.4	3658.4	3541.4	3255.1	3406.5	4447.0
37.5°	5043.8	4944.8	4432.0	3748.3	4294.1	4673.4	4883.3	4616.5	4079.7	3632.9	4691.4
40°	5399.1	5273.2	4677.9	4408.1	5127.7	5735.0	6108.3	5717.0	4928.3	4198.2	5034.8
42.5°	5895.4	5763.5	5154.7	5055.8	5899.9	6804.0	7291.3	6708.0	5676.5	4928.3	5585.0
45°	6760.5	6633.1	6028.8	5705.0	6804.0	8120.4	8804.1	7993.0	6436.7	5661.5	6613.6
47.5°	8358.8	8208.9	7327.3	6424.7	7835.5	9829.7	10786.2	9604.8	7226.8	6501.1	8340.8
50°	10278.0	10134.0	8957.1	7276.3	8975.0	11657.4	12987.3	11498.4	8136.9	7522.2	10405.4
52.5°	12587.0	12560.0	11282.5	8352.8	10161.0	13606.5	15429.7	13596.0	9134.0	8897.1	12744.4
55°	14668.0	14931.9	14236.2	9994.6	11693.3	16054.9	17941.1	15884.0	10486.4	11170.1	15483.7
57.5°	15789.5	16498.7	17567.8	13344.1	13921.4	18981.6	21040.2	18677.3	12810.4	14954.4	18023.6
60°	15048.9	15852.5	17789.7	15866.0	16131.4	21326.6	23598.1	21025.2	15092.4	17581.3	17879.6
62.5°	13816.4	14537.6	16260.3	14393.7	16473.2	21842.4	23658.1	21434.6	15999.5	16248.3	16150.9
65°	12354.6	13081.7	14906.4	12564.5	15386.2	20617.4	21912.8	20230.6	14369.7	14680.0	14716.0
67.5°	10412.9	11084.6	12942.3	11171.6	14024.8	18819.7	19233.5	18515.3	13233.2	13728.0	13210.7
70°	7780.1	8385.8	10026.1	9078.5	11822.3	16477.7	16143.4	16249.8	11957.2	12449.0	11035.1
72.5°	5316.7	5772.5	7178.8	7133.9	9053.0	13191.2	12724.9	13733.9	9987.1	10639.3	8412.8
75°	3718.4	4073.7	5189.2	5636.0	6843.0	9777.2	9062.0	10279.5	7799.6	8730.7	6138.3
77.5°	2282.0	2517.4	3277.6	4175.7	4402.1	6691.6	5628.5	7735.1	5477.1	6367.7	4094.7
80°	1141.0	1254.9	1592.3	2625.3	2919.2	3943.3	3108.1	4490.5	3706.4	3943.3	2265.5
82.5°	344.8	380.8	466.3	997.1	1512.8	2270.0	1836.7	2608.9	2024.1	1848.7	892.1
85°	91.5	103.5	128.9	295.4	530.8	814.1	620.7	1263.9	970.1	682.2	335.9
87.5°	7.5	7.5	6.0	6.0	3.0	0.0	0.0	90.0	181.4	103.5	58.5
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°	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3
2.5°	2862.2	2856.2	2794.8	2749.8	2697.3	2646.3	2593.9	2547.4	2494.9	2442.4	2427.4
5°	3093.1	3051.2	2920.7	2811.3	2703.3	2608.9	2526.4	2440.9	2372.0	2304.5	2279.0
7.5°	3297.0	3223.6	3034.7	2868.2	2718.3	2601.4	2479.9	2355.5	2258.0	2162.0	2138.1
10°	3481.5	3384.0	3145.6	2935.7	2769.3	2635.8	2493.4	2327.0	2186.0	2069.1	2037.6
12.5°	3617.9	3511.5	3241.6	3000.2	2811.3	2661.3	2520.4	2373.5	2225.0	2073.6	2039.1
15°	3725.9	3614.9	3321.0	3049.7	2812.8	2619.3	2482.9	2431.9	2385.4	2237.0	2174.0
17.5°	3812.8	3695.9	3390.0	3079.6	2772.3	2491.9	2373.5	2448.4	2566.9	2473.9	2355.5
20°	3892.3	3773.8	3442.5	3100.6	2682.3	2316.5	2250.5	2409.4	2587.9	2584.9	2478.4
22.5°	3979.2	3863.8	3518.9	3112.6	2556.4	2138.1	2177.0	2352.5	2497.9	2541.4	2475.4
25°	4090.2	3988.2	3625.4	3139.6	2413.9	2015.1	2123.1	2279.0	2400.4	2410.9	2372.0
27.5°	4219.1	4142.7	3784.3	3202.6	2276.0	1952.1	2060.1	2175.5	2286.5	2291.0	2244.5
30°	4360.1	4309.1	3931.3	3255.1	2172.5	1932.6	1979.1	2072.1	2142.6	2154.6	2114.1
32.5°	4540.0	4495.0	4061.7	3220.6	2111.1	1928.2	1904.2	1952.1	2010.6	2010.6	1979.1
35°	4787.4	4724.4	4199.6	3088.6	2036.1	1910.2	1824.7	1838.2	1863.7	1868.2	1850.2
37.5°	5138.2	5034.8	4339.1	2827.8	1913.2	1845.7	1733.2	1716.7	1725.7	1737.7	1733.2
40°	5573.0	5403.6	4543.0	2514.4	1766.2	1721.2	1638.8	1607.3	1599.8	1623.8	1632.8
42.5°	6120.3	5860.9	4761.9	2222.0	1632.8	1578.8	1527.8	1500.8	1488.8	1529.3	1553.3
45°	6994.4	6567.1	4971.8	1932.6	1557.8	1457.4	1422.9	1403.4	1409.4	1457.4	1487.3
47.5°	8504.3	7645.1	5171.2	1749.7	1551.8	1370.4	1328.4	1332.9	1349.4	1400.4	1436.4
50°	10414.4	9089.0	5304.7	1673.3	1569.8	1317.9	1262.4	1286.4	1311.9	1361.4	1403.4
52.5°	12359.1	10433.9	5145.7	1631.3	1568.3	1319.4	1201.0	1272.9	1284.9	1334.4	1379.4
55°	13696.5	10583.8	4445.5	1566.8	1544.3	1379.4	1153.0	1266.9	1274.4	1319.4	1359.9
57.5°	14206.2	10071.1	3390.0	1584.8	1472.4	1425.9	1132.0	1225.0	1278.9	1317.9	1359.9
60°	13590.0	9104.0	2060.1	1631.3	1356.9	1422.9	1145.5	1148.5	1241.5	1307.4	1349.4
62.5°	12428.0	7862.5	1446.9	1499.3	1272.9	1343.4	1177.0	1058.5	1175.5	1254.9	1292.4
65°	11096.6	6402.2	1103.5	1290.9	1232.5	1220.5	1187.5	979.1	1085.5	1163.5	1196.5
67.5°	9709.7	4976.3	896.6	962.6	1114.0	1103.5	1085.5	908.6	979.1	1034.5	1072.0
70°	7963.0	3481.5	757.2	722.7	955.1	989.6	949.1	820.1	842.6	899.6	929.6
72.5°	5824.9	2169.5	622.2	596.7	767.7	865.1	844.1	722.7	733.2	787.2	811.1
75°	4189.2	1241.5	499.3	491.8	586.2	740.7	698.7	622.2	634.2	674.7	691.2
77.5°	2662.8	691.2	385.3	395.8	419.8	553.3	596.7	532.3	532.3	556.3	569.7
80°	1425.9	395.8	281.9	286.4	293.9	422.8	470.8	412.3	412.3	395.8	412.3
82.5°	581.7	227.9	193.4	179.9	196.4	289.4	329.9	262.4	274.4	247.4	253.4
85°	191.9	113.9	96.0	94.5	93.0	127.4	158.9	130.4	155.9	99.0	103.5
87.5°	25.5	21.0	12.0	9.0	10.5	4.5	9.0	10.5	10.5	7.5	7.5
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°	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3
2.5°	2416.9	2404.9	2361.5	2372.0	2364.5	2352.5	2364.5	2342.0	2360.0	2366.0	2403.4
5°	2259.5	2231.0	2189.0	2168.0	2163.5	2151.6	2153.1	2142.6	2145.6	2171.0	2213.0
7.5°	2118.6	2091.6	2058.6	2043.6	2030.1	2016.6	2015.1	2013.6	2025.6	2048.1	2088.6
10°	2016.6	2001.6	1988.1	1994.1	1988.1	1982.1	1971.6	1971.6	1991.1	2031.6	2081.1
12.5°	2016.6	2013.6	2016.6	2034.6	2033.1	2034.6	2021.1	2028.6	2082.6	2151.6	2222.0
15°	2124.6	2100.6	2100.6	2109.6	2106.6	2106.6	2106.6	2138.1	2261.0	2367.5	2442.4
17.5°	2256.5	2186.0	2156.1	2151.6	2150.1	2150.1	2156.1	2223.5	2415.4	2527.9	2571.4
20°	2348.0	2214.5	2165.0	2145.6	2147.1	2150.1	2168.0	2261.0	2472.4	2529.4	2518.9
22.5°	2364.5	2192.0	2132.1	2103.6	2108.1	2111.1	2138.1	2237.0	2394.4	2403.4	2382.5
25°	2288.0	2129.1	2064.6	2042.1	2048.1	2046.6	2070.6	2142.6	2255.0	2252.0	2240.0
27.5°	2174.0	2028.6	1980.6	1965.6	1976.1	1964.1	1971.6	2027.1	2114.1	2111.1	2106.6
30°	2057.1	1931.1	1887.7	1880.2	1893.7	1875.7	1877.2	1923.7	1983.6	1980.6	1979.1
32.5°	1940.1	1833.7	1794.7	1794.7	1808.2	1788.7	1791.7	1832.2	1872.7	1860.7	1860.7
35°	1829.2	1754.2	1722.7	1716.7	1727.2	1713.7	1719.7	1757.2	1772.2	1755.7	1745.2
37.5°	1731.7	1698.8	1667.3	1646.3	1647.8	1649.3	1667.3	1695.8	1686.8	1662.8	1649.3
40°	1641.8	1641.8	1611.8	1572.8	1568.3	1578.8	1608.8	1640.3	1614.8	1587.8	1571.3
42.5°	1577.3	1590.8	1562.3	1523.3	1514.3	1532.3	1565.3	1587.8	1557.8	1527.8	1505.3
45°	1517.3	1550.3	1530.8	1487.3	1475.4	1496.3	1538.3	1547.3	1506.8	1478.3	1461.9
47.5°	1475.4	1520.3	1506.8	1464.9	1446.9	1476.8	1520.3	1518.8	1467.9	1437.9	1424.4
50°	1445.4	1502.3	1500.8	1464.9	1445.4	1482.8	1521.8	1502.3	1446.9	1415.4	1401.9
52.5°	1421.4	1500.8	1511.3	1490.3	1476.8	1509.8	1533.8	1496.3	1431.9	1398.9	1388.4
55°	1410.9	1506.8	1514.3	1494.8	1482.8	1512.8	1533.8	1508.3	1431.9	1401.9	1392.9
57.5°	1413.9	1499.3	1500.8	1473.9	1452.9	1490.3	1523.3	1515.8	1448.4	1413.9	1403.4
60°	1395.9	1458.9	1461.9	1419.9	1395.9	1440.9	1499.3	1494.8	1440.9	1404.9	1385.4
62.5°	1335.9	1391.4	1392.9	1353.9	1319.4	1383.9	1448.4	1446.9	1397.4	1361.4	1338.9
65°	1235.5	1293.9	1308.9	1271.4	1244.5	1313.4	1380.9	1377.9	1328.4	1295.4	1272.9
67.5°	1111.0	1174.0	1202.5	1177.0	1166.5	1229.5	1292.4	1290.9	1250.4	1219.0	1199.5
70°	959.6	1012.1	1060.0	1060.0	1052.5	1124.5	1192.0	1186.0	1148.5	1124.5	1109.5
72.5°	833.6	874.1	889.1	904.1	926.6	1001.6	1058.5	1063.0	1036.0	1024.0	1036.0
75°	709.2	734.7	748.2	736.2	775.2	853.1	928.1	935.6	907.1	887.6	892.1
77.5°	583.2	611.7	625.2	598.2	595.2	694.2	785.7	802.1	778.2	748.2	757.2
80°	421.3	458.8	481.3	463.3	457.3	500.8	626.7	644.7	622.2	598.2	611.7
82.5°	257.9	278.9	284.9	302.9	340.4	358.3	403.3	463.3	446.8	425.8	463.3
85°	102.0	121.4	134.9	152.9	178.4	211.4	248.9	296.9	269.9	260.9	307.4
87.5°	6.0	1.5	0.0	3.0	25.5	49.5	106.5	146.9	122.9	131.9	158.9
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°	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3	2628.3
2.5°	2433.4	2472.4	2524.9	2568.4	2623.8	2676.3	2730.3	2784.3	2812.8	2824.8
5°	2261.0	2333.0	2416.9	2509.9	2617.8	2731.8	2847.2	2965.7	3040.7	3046.7
7.5°	2157.5	2261.0	2376.5	2493.4	2626.8	2784.3	2967.2	3150.1	3226.6	3247.6
10°	2190.5	2306.0	2397.4	2506.9	2653.8	2850.2	3066.1	3280.6	3369.0	3394.5
12.5°	2322.5	2345.0	2373.5	2473.9	2653.8	2907.2	3168.1	3423.0	3517.5	3541.4
15°	2431.9	2324.0	2273.0	2379.5	2617.8	2956.7	3276.1	3557.9	3671.9	3694.4
17.5°	2440.9	2255.0	2144.1	2240.0	2554.9	2991.2	3379.5	3707.9	3803.8	3824.8
20°	2349.5	2181.5	2037.6	2096.1	2469.4	3006.2	3454.5	3817.3	3911.8	3932.8
22.5°	2246.0	2121.6	1965.6	1962.6	2366.0	3022.7	3544.4	3920.8	4022.7	4036.2
25°	2148.6	2039.1	1907.2	1865.2	2246.0	3054.2	3665.9	4076.7	4154.7	4159.2
27.5°	2034.6	1950.6	1860.7	1820.2	2141.1	3114.1	3845.8	4262.6	4309.1	4301.6
30°	1931.1	1868.2	1827.7	1815.7	2075.1	3159.1	4016.7	4445.5	4448.5	4423.1
32.5°	1821.7	1797.7	1797.7	1836.7	2021.1	3148.6	4156.2	4624.0	4595.5	4558.0
35°	1724.2	1728.7	1760.2	1851.7	1931.1	3043.7	4289.6	4847.4	4805.4	4751.4
37.5°	1631.3	1665.8	1710.7	1799.2	1812.7	2887.7	4445.5	5163.7	5111.2	5043.8
40°	1551.8	1604.3	1656.8	1700.3	1686.8	2665.8	4662.9	5535.6	5477.1	5399.1
42.5°	1488.8	1539.8	1598.3	1602.8	1607.3	2434.9	4893.8	5991.4	5980.9	5895.4
45°	1448.4	1481.3	1536.8	1529.3	1602.8	2180.0	5106.8	6687.1	6825.0	6760.5
47.5°	1421.4	1446.9	1452.9	1484.3	1641.8	1952.1	5381.1	8048.5	8432.3	8358.8
50°	1406.4	1431.9	1364.4	1487.3	1647.8	1805.2	5760.5	9757.7	10375.4	10278.0
52.5°	1404.9	1398.9	1296.9	1518.8	1614.8	1715.2	5958.4	11005.2	12375.5	12587.0
55°	1407.9	1332.9	1262.4	1527.8	1548.8	1682.3	5295.7	11604.9	14221.2	14668.0
57.5°	1380.9	1260.9	1281.9	1491.8	1424.4	1770.7	3914.8	11390.5	14958.9	15789.5
60°	1329.9	1192.0	1317.9	1394.4	1296.9	1619.3	2695.8	10433.9	14194.2	15048.9
62.5°	1256.4	1144.0	1313.4	1268.4	1250.4	1325.4	1853.2	9095.0	12981.3	13816.4
65°	1174.0	1105.0	1243.0	1147.0	1157.5	1019.6	1310.4	7583.7	11532.9	12354.6
67.5°	1085.5	1081.0	1139.5	1021.1	977.6	808.1	955.1	6078.3	9672.2	10412.9
70°	985.1	1018.1	1036.0	907.1	793.2	634.2	709.2	4250.6	7135.4	7780.1
72.5°	884.6	887.6	913.1	788.7	593.7	508.3	532.3	2574.4	4847.4	5316.7
75°	782.7	754.2	778.2	641.7	442.3	416.8	410.8	1590.8	3348.0	3718.4
77.5°	673.2	641.7	610.2	482.8	355.3	322.4	314.9	892.1	2054.1	2282.0
80°	547.3	505.3	455.8	353.8	259.4	230.9	229.4	434.8	1024.0	1141.0
82.5°	425.8	346.3	332.9	220.4	160.4	140.9	149.9	166.4	308.9	344.8
85°	298.4	251.9	176.9	88.5	72.0	58.5	57.0	49.5	82.5	91.5
87.5°	166.4	109.5	57.0	10.5	12.0	13.5	10.5	7.5	7.5	7.5
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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