

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: P641676

Luminaire Tested: GWS-SA6B-735-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641676
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-SA6B-735-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19772.3 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

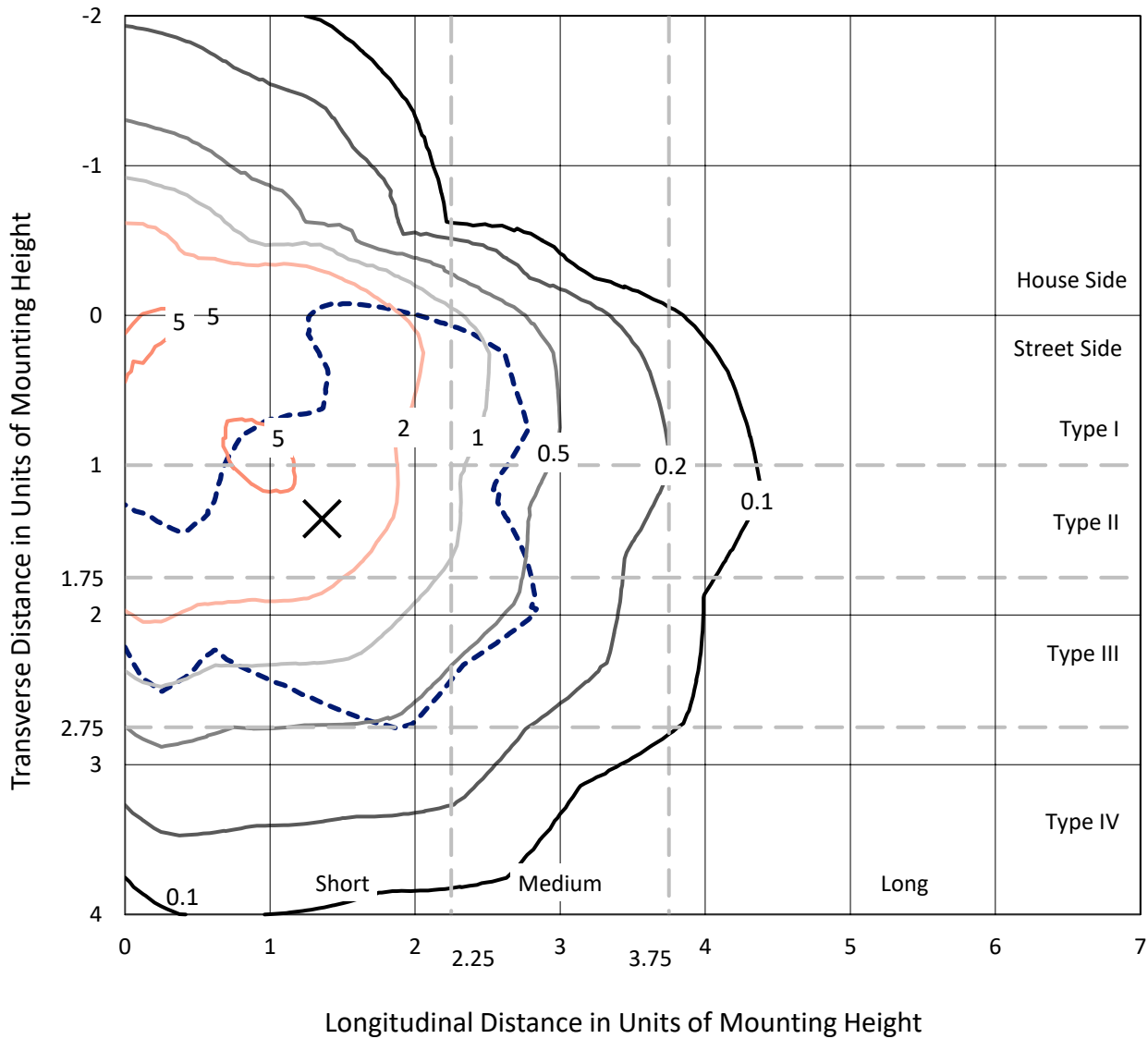
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

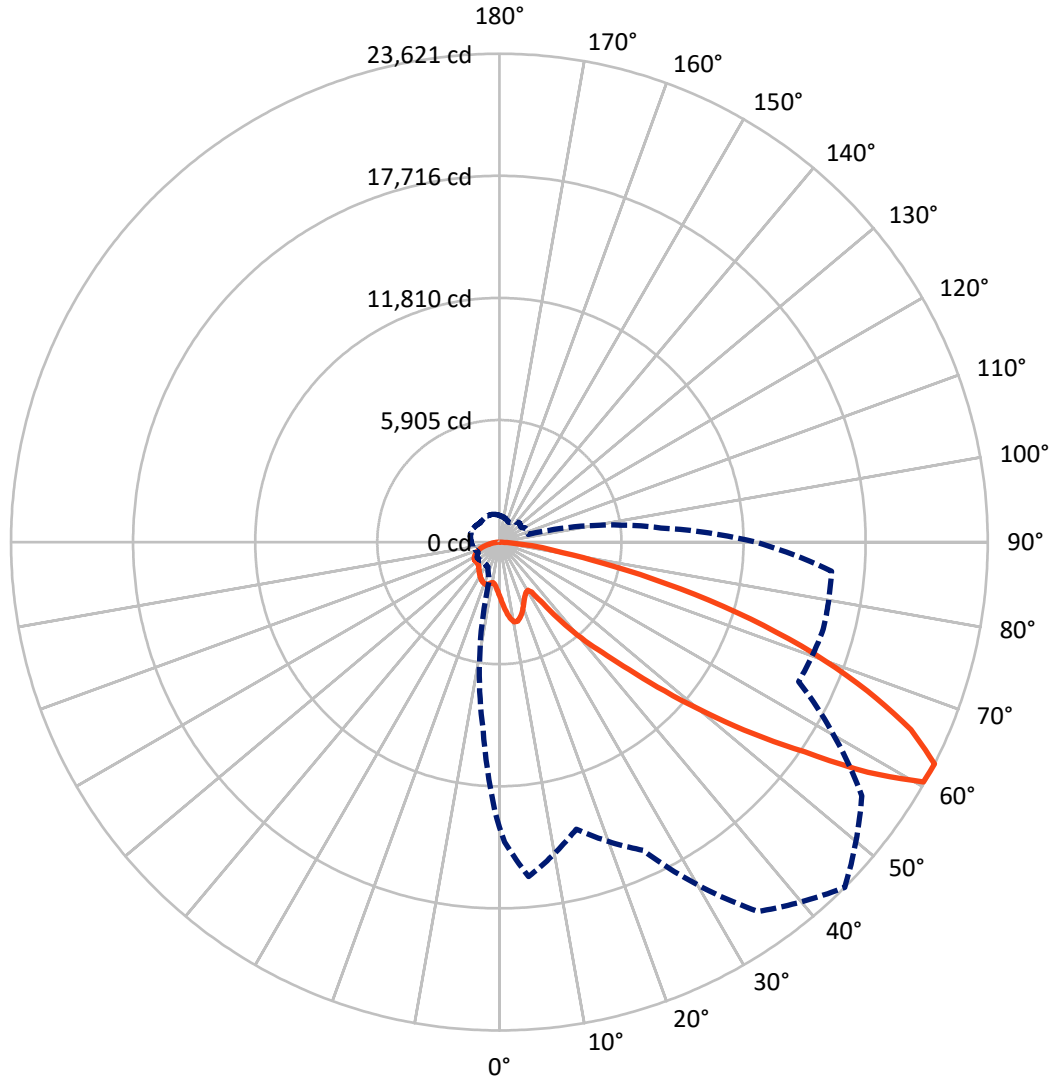
✕ Max cd
 - - - 1/2 Max cd



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	4718.0	0.0	4718.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	15054.3	0.0	15054.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	19772.3	0.0	19772.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.3	1.3
10°-20°	803.4	4.1
20°-30°	1247.9	6.3
30°-40°	1694.3	8.6
40°-50°	2685.3	13.6
50°-60°	4736.9	24.0
60°-70°	5270.5	26.7
70°-80°	2673.0	13.5
80°-90°	404.7	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°	19772.3	100.0
0°-180°	19772.3	100.0

Coefficient of Utilization



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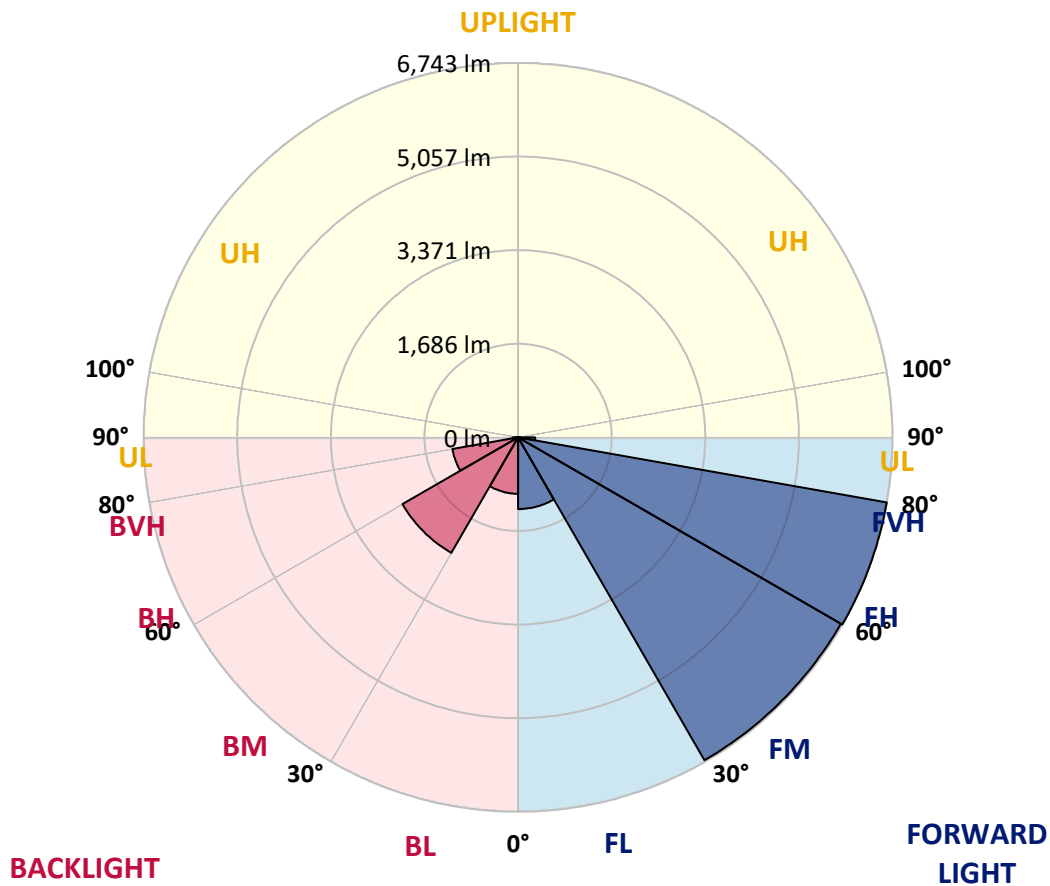
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1291.0	6.5			
FM (30°-60°)	6713.6	34.0			
FH (60°-80°)	6742.5	34.1			G3/7500
FVH (80°-90°)	307.2	1.6			G3/500
BL (0°-30°)	1016.6	5.1	B3/2500		
BM (30°-60°)	2402.9	12.2	B2/2500		
BH (60°-80°)	1201.0	6.1	B3/2500		G3/2500
BVH (80°-90°)	97.5	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°	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2
2.5°	2820.3	2818.8	2847.2	2890.6	2931.1	2949.0	2979.0	2976.0	2952.0	2920.6	2910.1
5°	3041.8	3047.8	3097.2	3193.0	3299.3	3344.2	3363.7	3356.2	3312.8	3257.4	3160.1
7.5°	3242.4	3252.9	3329.3	3473.0	3604.7	3664.6	3712.5	3703.5	3640.6	3537.3	3393.6
10°	3389.1	3401.1	3492.4	3661.6	3808.3	3860.7	3922.1	3925.1	3869.7	3730.4	3583.7
12.5°	3535.8	3547.8	3633.1	3787.3	3883.1	3884.6	3920.6	3940.0	3943.0	3878.6	3731.9
15°	3688.5	3699.0	3776.9	3863.7	3859.2	3775.4	3775.4	3812.8	3895.1	3941.5	3839.7
17.5°	3818.8	3832.2	3892.1	3863.7	3730.4	3579.3	3561.3	3609.2	3752.9	3931.0	3920.6
20°	3926.6	3937.0	3970.0	3781.3	3538.8	3341.2	3306.8	3362.2	3556.8	3866.7	3981.9
22.5°	4029.8	4035.8	4017.9	3673.6	3332.3	3106.2	3064.3	3122.7	3332.3	3752.9	4034.3
25°	4152.6	4146.6	4061.3	3561.3	3143.6	2920.6	2877.2	2943.0	3161.6	3601.7	4091.2
27.5°	4294.8	4272.4	4098.7	3440.0	2998.4	2782.9	2752.9	2823.3	3026.9	3462.5	4136.1
30°	4416.1	4372.6	4104.7	3332.3	2923.6	2724.5	2706.5	2772.4	2961.0	3368.2	4193.0
32.5°	4550.8	4490.9	4139.1	3303.8	2965.5	2865.2	2889.2	2893.6	2979.0	3341.2	4278.3
35°	4743.9	4666.1	4233.4	3386.1	3396.6	3565.8	3652.6	3535.8	3249.9	3401.1	4440.0
37.5°	5035.8	4937.0	4425.0	3742.4	4287.3	4666.1	4875.6	4609.2	4073.3	3627.2	4684.0
40°	5390.6	5264.8	4670.5	4401.1	5119.6	5725.9	6098.7	5707.9	4920.5	4191.5	5026.8
42.5°	5886.1	5754.4	5146.6	5047.8	5890.6	6793.2	7279.8	6697.4	5667.5	4920.5	5576.2
45°	6749.8	6622.6	6019.3	5696.0	6793.2	8107.6	8790.2	7980.3	6426.5	5652.6	6603.1
47.5°	8345.6	8195.9	7315.7	6414.5	7823.2	9814.1	10769.2	9589.6	7215.4	6490.9	8327.6
50°	10261.7	10118.0	8942.9	7264.8	8960.9	11638.9	12966.8	11480.3	8124.1	7510.3	10389.0
52.5°	12567.1	12540.1	11264.7	8339.6	10145.0	13585.0	15405.3	13574.5	9119.5	8883.0	12724.2
55°	14644.9	14908.3	14213.7	9978.8	11674.9	16029.6	17912.7	15858.9	10469.8	11152.4	15459.2
57.5°	15764.6	16472.7	17540.0	13323.0	13899.4	18951.6	21007.0	18647.8	12790.1	14930.8	17995.1
60°	15025.1	15827.5	17761.5	15840.9	16105.9	21292.9	23560.8	20992.0	15068.5	17553.5	17851.4
62.5°	13794.6	14514.6	16234.6	14370.9	16447.2	21807.9	23620.7	21400.7	15974.2	16222.7	16125.4
65°	12335.0	13061.1	14882.9	12544.6	15361.9	20584.8	21878.2	20198.6	14347.0	14656.8	14692.8
67.5°	10396.5	11067.1	12921.8	11153.9	14002.7	18790.0	19203.1	18486.1	13212.3	13706.3	13189.8
70°	7767.8	8372.6	10010.2	9064.2	11803.6	16451.7	16117.9	16224.2	11938.3	12429.3	11017.7
72.5°	5308.3	5763.3	7167.5	7122.6	9038.7	13170.3	12704.8	13712.2	9971.3	10622.5	8399.5
75°	3712.5	4067.3	5181.0	5627.1	6832.2	9761.7	9047.7	10263.2	7787.2	8716.9	6128.6
77.5°	2278.4	2513.4	3272.4	4169.1	4395.1	6681.0	5619.6	7722.9	5468.4	6357.6	4088.2
80°	1139.2	1253.0	1589.8	2621.2	2914.6	3937.0	3103.2	4483.4	3700.5	3937.0	2261.9
82.5°	344.3	380.2	465.6	995.5	1510.4	2266.4	1833.8	2604.7	2020.9	1845.8	890.7
85°	91.3	103.3	128.7	294.9	529.9	812.9	619.7	1261.9	968.5	681.1	335.3
87.5°	7.5	7.5	6.0	6.0	3.0	0.0	0.0	89.8	181.1	103.3	58.4
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°	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2
2.5°	2857.7	2851.7	2790.4	2745.4	2693.0	2642.2	2589.8	2543.4	2491.0	2438.6	2423.6
5°	3088.2	3046.3	2916.1	2806.8	2699.0	2604.7	2522.4	2437.1	2368.2	2300.8	2275.4
7.5°	3291.8	3218.5	3029.9	2863.7	2714.0	2597.2	2476.0	2351.7	2254.4	2158.6	2134.7
10°	3476.0	3378.7	3140.6	2931.1	2764.9	2631.7	2489.5	2323.3	2182.6	2065.8	2034.4
12.5°	3612.2	3505.9	3236.4	2995.4	2806.8	2657.1	2516.4	2369.7	2221.5	2070.3	2035.9
15°	3720.0	3609.2	3315.8	3044.8	2808.3	2615.2	2479.0	2428.1	2381.7	2233.5	2170.6
17.5°	3806.8	3690.0	3384.6	3074.8	2767.9	2488.0	2369.7	2444.6	2562.8	2470.0	2351.7
20°	3886.1	3767.9	3437.0	3095.7	2678.1	2312.8	2247.0	2405.6	2583.8	2580.8	2474.5
22.5°	3973.0	3857.7	3513.4	3107.7	2552.3	2134.7	2173.6	2348.7	2494.0	2537.4	2471.5
25°	4083.7	3981.9	3619.7	3134.7	2410.1	2011.9	2119.7	2275.4	2396.6	2407.1	2368.2
27.5°	4212.5	4136.1	3778.4	3197.5	2272.4	1949.1	2056.8	2172.1	2282.9	2287.4	2241.0
30°	4353.2	4302.3	3925.1	3249.9	2169.1	1929.6	1976.0	2068.8	2139.2	2151.1	2110.7
32.5°	4532.8	4487.9	4055.3	3215.5	2107.7	1925.1	1901.2	1949.1	2007.4	2007.4	1976.0
35°	4779.8	4717.0	4193.0	3083.8	2032.9	1907.1	1821.8	1835.3	1860.7	1865.2	1847.3
37.5°	5130.1	5026.8	4332.2	2823.3	1910.1	1842.8	1730.5	1714.0	1723.0	1735.0	1730.5
40°	5564.2	5395.1	4535.8	2510.4	1763.4	1718.5	1636.2	1604.8	1597.3	1621.2	1630.2
42.5°	6110.6	5851.7	4754.4	2218.5	1630.2	1576.3	1525.4	1498.5	1486.5	1526.9	1550.9
45°	6983.4	6556.7	4964.0	1929.6	1555.4	1455.1	1420.6	1401.2	1407.2	1455.1	1485.0
47.5°	8490.8	7633.0	5163.0	1747.0	1549.4	1368.2	1326.3	1330.8	1347.3	1398.2	1434.1
50°	10398.0	9074.6	5296.3	1670.6	1567.3	1315.8	1260.4	1284.4	1309.8	1359.2	1401.2
52.5°	12339.5	10417.4	5137.6	1628.7	1565.8	1317.3	1199.1	1270.9	1282.9	1332.3	1377.2
55°	13674.8	10567.1	4438.5	1564.3	1541.9	1377.2	1151.2	1264.9	1272.4	1317.3	1357.8
57.5°	14183.8	10055.1	3384.6	1582.3	1470.0	1423.6	1130.2	1223.0	1276.9	1315.8	1357.8
60°	13568.5	9089.6	2056.8	1628.7	1354.8	1420.6	1143.7	1146.7	1239.5	1305.4	1347.3
62.5°	12408.4	7850.1	1444.6	1497.0	1270.9	1341.3	1175.1	1056.9	1173.6	1253.0	1290.4
65°	11079.1	6392.1	1101.8	1288.9	1230.5	1218.5	1185.6	977.5	1083.8	1161.6	1194.6
67.5°	9694.4	4968.4	895.2	961.1	1112.2	1101.8	1083.8	907.2	977.5	1032.9	1070.3
70°	7950.4	3476.0	756.0	721.5	953.6	988.0	947.6	818.8	841.3	898.2	928.1
72.5°	5815.7	2166.1	621.2	595.8	766.4	863.8	842.8	721.5	732.0	785.9	809.9
75°	4182.5	1239.5	498.5	491.0	585.3	739.5	697.6	621.2	633.2	673.6	690.1
77.5°	2658.6	690.1	384.7	395.2	419.2	552.4	595.8	531.4	531.4	555.4	568.8
80°	1423.6	395.2	281.4	285.9	293.4	422.1	470.0	411.7	411.7	395.2	411.7
82.5°	580.8	227.5	193.1	179.6	196.1	288.9	329.3	262.0	273.9	247.0	253.0
85°	191.6	113.8	95.8	94.3	92.8	127.2	158.7	130.2	155.7	98.8	103.3
87.5°	25.4	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°	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2
2.5°	2413.1	2401.1	2357.7	2368.2	2360.7	2348.7	2360.7	2338.3	2356.2	2362.2	2399.6
5°	2255.9	2227.5	2185.6	2164.6	2160.1	2148.2	2149.6	2139.2	2142.2	2167.6	2209.5
7.5°	2115.2	2088.3	2055.3	2040.4	2026.9	2013.4	2011.9	2010.4	2022.4	2044.9	2085.3
10°	2013.4	1998.5	1985.0	1991.0	1985.0	1979.0	1968.5	1968.5	1988.0	2028.4	2077.8
12.5°	2013.4	2010.4	2013.4	2031.4	2029.9	2031.4	2017.9	2025.4	2079.3	2148.2	2218.5
15°	2121.2	2097.3	2097.3	2106.2	2103.2	2103.2	2103.2	2134.7	2257.4	2363.7	2438.6
17.5°	2252.9	2182.6	2152.6	2148.2	2146.7	2146.7	2152.6	2220.0	2411.6	2523.9	2567.3
20°	2344.3	2211.0	2161.6	2142.2	2143.7	2146.7	2164.6	2257.4	2468.5	2525.4	2514.9
22.5°	2360.7	2188.6	2128.7	2100.2	2104.7	2107.7	2134.7	2233.5	2390.7	2399.6	2378.7
25°	2284.4	2125.7	2061.3	2038.9	2044.9	2043.4	2067.3	2139.2	2251.4	2248.4	2236.5
27.5°	2170.6	2025.4	1977.5	1962.5	1973.0	1961.0	1968.5	2023.9	2110.7	2107.7	2103.2
30°	2053.8	1928.1	1884.7	1877.2	1890.7	1872.7	1874.2	1920.6	1980.5	1977.5	1976.0
32.5°	1937.1	1830.8	1791.9	1791.9	1805.3	1785.9	1788.9	1829.3	1869.7	1857.7	1857.7
35°	1826.3	1751.5	1720.0	1714.0	1724.5	1711.0	1717.0	1754.4	1769.4	1753.0	1742.5
37.5°	1729.0	1696.1	1664.6	1643.7	1645.2	1646.7	1664.6	1693.1	1684.1	1660.1	1646.7
40°	1639.2	1639.2	1609.2	1570.3	1565.8	1576.3	1606.2	1637.7	1612.2	1585.3	1568.8
42.5°	1574.8	1588.3	1559.8	1520.9	1511.9	1529.9	1562.8	1585.3	1555.4	1525.4	1503.0
45°	1514.9	1547.9	1528.4	1485.0	1473.0	1494.0	1535.9	1544.9	1504.5	1476.0	1459.5
47.5°	1473.0	1517.9	1504.5	1462.5	1444.6	1474.5	1517.9	1516.4	1465.5	1435.6	1422.1
50°	1443.1	1500.0	1498.5	1462.5	1443.1	1480.5	1519.4	1500.0	1444.6	1413.1	1399.7
52.5°	1419.1	1498.5	1508.9	1488.0	1474.5	1507.4	1531.4	1494.0	1429.6	1396.7	1386.2
55°	1408.6	1504.5	1511.9	1492.5	1480.5	1510.4	1531.4	1506.0	1429.6	1399.7	1390.7
57.5°	1411.6	1497.0	1498.5	1471.5	1450.6	1488.0	1520.9	1513.4	1446.1	1411.6	1401.2
60°	1393.7	1456.6	1459.5	1417.6	1393.7	1438.6	1497.0	1492.5	1438.6	1402.7	1383.2
62.5°	1333.8	1389.2	1390.7	1351.8	1317.3	1381.7	1446.1	1444.6	1395.2	1359.2	1336.8
65°	1233.5	1291.9	1306.9	1269.4	1242.5	1311.3	1378.7	1375.7	1326.3	1293.4	1270.9
67.5°	1109.3	1172.1	1200.6	1175.1	1164.6	1227.5	1290.4	1288.9	1248.5	1217.0	1197.6
70°	958.1	1010.5	1058.4	1058.4	1050.9	1122.7	1190.1	1184.1	1146.7	1122.7	1107.8
72.5°	832.3	872.7	887.7	902.7	925.1	1000.0	1056.9	1061.4	1034.4	1022.4	1034.4
75°	708.1	733.5	747.0	735.0	773.9	851.8	926.6	934.1	905.7	886.2	890.7
77.5°	582.3	610.8	624.2	597.3	594.3	693.1	784.4	800.9	776.9	747.0	756.0
80°	420.6	458.1	480.5	462.6	456.6	500.0	625.7	643.7	621.2	597.3	610.8
82.5°	257.5	278.4	284.4	302.4	339.8	357.8	402.7	462.6	446.1	425.1	462.6
85°	101.8	121.3	134.7	152.7	178.1	211.1	248.5	296.4	269.5	260.5	306.9
87.5°	6.0	1.5	0.0	3.0	25.4	49.4	106.3	146.7	122.8	131.7	158.7
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°	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2	2624.2
2.5°	2429.6	2468.5	2520.9	2564.3	2619.7	2672.1	2726.0	2779.9	2808.3	2820.3
5°	2257.4	2329.3	2413.1	2505.9	2613.7	2727.5	2842.7	2961.0	3035.9	3041.8
7.5°	2154.1	2257.4	2372.7	2489.5	2622.7	2779.9	2962.5	3145.1	3221.5	3242.4
10°	2187.1	2302.3	2393.7	2502.9	2649.6	2845.7	3061.3	3275.4	3363.7	3389.1
12.5°	2318.8	2341.3	2369.7	2470.0	2649.6	2902.6	3163.1	3417.6	3511.9	3535.8
15°	2428.1	2320.3	2269.4	2375.7	2613.7	2952.0	3270.9	3552.3	3666.1	3688.5
17.5°	2437.1	2251.4	2140.7	2236.5	2550.8	2986.5	3374.2	3702.0	3797.8	3818.8
20°	2345.8	2178.1	2034.4	2092.8	2465.5	3001.4	3449.0	3811.3	3905.6	3926.6
22.5°	2242.5	2118.2	1962.5	1959.5	2362.2	3017.9	3538.8	3914.6	4016.4	4029.8
25°	2145.2	2035.9	1904.1	1862.2	2242.5	3049.3	3660.1	4070.3	4148.1	4152.6
27.5°	2031.4	1947.6	1857.7	1817.3	2137.7	3109.2	3839.7	4255.9	4302.3	4294.8
30°	1928.1	1865.2	1824.8	1812.8	2071.8	3154.1	4010.4	4438.5	4441.5	4416.1
32.5°	1818.8	1794.9	1794.9	1833.8	2017.9	3143.6	4149.6	4616.7	4588.2	4550.8
35°	1721.5	1726.0	1757.4	1848.8	1928.1	3038.8	4282.8	4839.7	4797.8	4743.9
37.5°	1628.7	1663.1	1708.0	1796.4	1809.8	2883.2	4438.5	5155.6	5103.2	5035.8
40°	1549.4	1601.8	1654.2	1697.6	1684.1	2661.6	4655.6	5526.8	5468.4	5390.6
42.5°	1486.5	1537.4	1595.8	1600.3	1604.8	2431.1	4886.1	5981.9	5971.4	5886.1
45°	1446.1	1479.0	1534.4	1526.9	1600.3	2176.6	5098.7	6676.5	6814.2	6749.8
47.5°	1419.1	1444.6	1450.6	1482.0	1639.2	1949.1	5372.6	8035.7	8419.0	8345.6
50°	1404.2	1429.6	1362.2	1485.0	1645.2	1802.4	5751.4	9742.3	10359.0	10261.7
52.5°	1402.7	1396.7	1294.9	1516.4	1612.2	1712.5	5949.0	10987.8	12356.0	12567.1
55°	1405.7	1330.8	1260.4	1525.4	1546.4	1679.6	5287.3	11586.5	14198.8	14644.9
57.5°	1378.7	1259.0	1279.9	1489.5	1422.1	1767.9	3908.6	11372.5	14935.3	15764.6
60°	1327.8	1190.1	1315.8	1392.2	1294.9	1616.7	2691.6	10417.4	14171.8	15025.1
62.5°	1254.5	1142.2	1311.3	1266.4	1248.5	1323.3	1850.3	9080.6	12960.8	13794.6
65°	1172.1	1103.3	1241.0	1145.2	1155.7	1017.9	1308.4	7571.7	11514.7	12335.0
67.5°	1083.8	1079.3	1137.7	1019.4	976.0	806.9	953.6	6068.7	9657.0	10396.5
70°	983.5	1016.4	1034.4	905.7	791.9	633.2	708.1	4243.9	7124.1	7767.8
72.5°	883.2	886.2	911.7	787.4	592.8	507.5	531.4	2570.3	4839.7	5308.3
75°	781.4	753.0	776.9	640.7	441.6	416.2	410.2	1588.3	3342.7	3712.5
77.5°	672.1	640.7	609.3	482.0	354.8	321.8	314.4	890.7	2050.8	2278.4
80°	546.4	504.5	455.1	353.3	259.0	230.5	229.0	434.1	1022.4	1139.2
82.5°	425.1	345.8	332.3	220.1	160.2	140.7	149.7	166.2	308.4	344.3
85°	297.9	251.5	176.6	88.3	71.9	58.4	56.9	49.4	82.3	91.3
87.5°	166.2	109.3	56.9	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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