

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: P641731

Luminaire Tested: GWS-SA6B-740-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641731
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-740-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20047.1 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

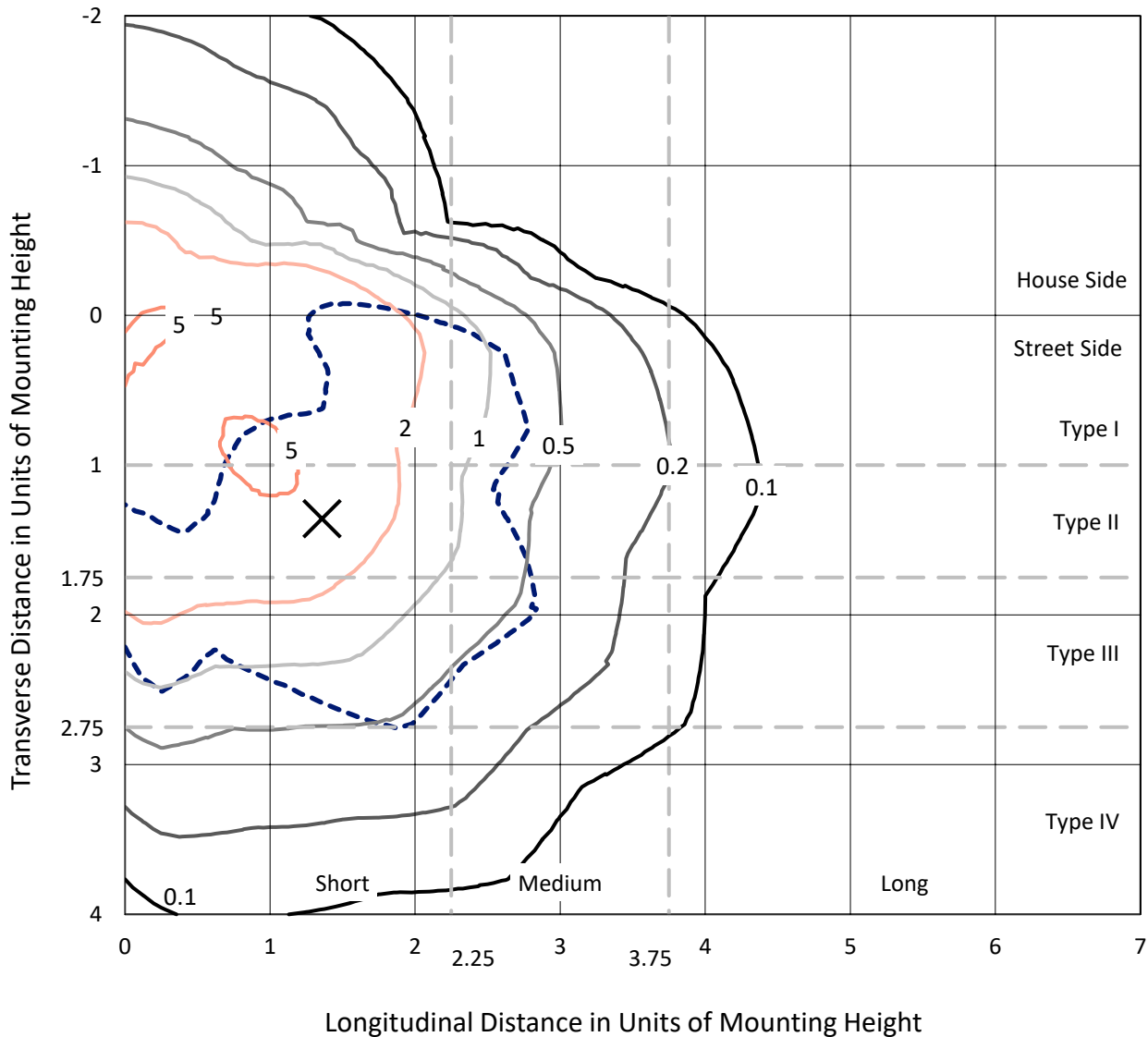
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

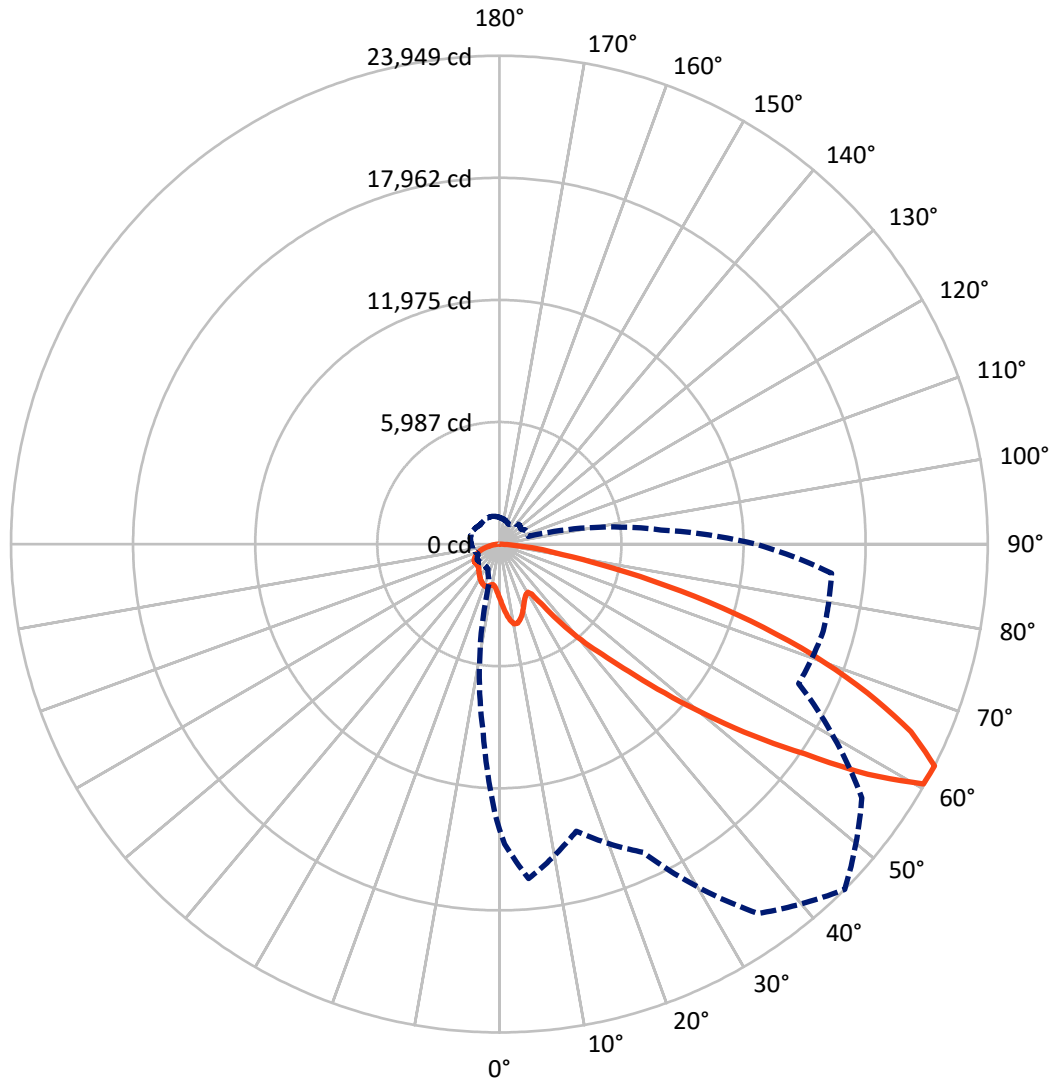
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	4783.6	0.0	4783.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	15263.5	0.0	15263.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	20047.1	0.0	20047.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.9	1.3
10°-20°	814.6	4.1
20°-30°	1265.2	6.3
30°-40°	1717.8	8.6
40°-50°	2722.6	13.6
50°-60°	4802.7	24.0
60°-70°	5343.8	26.7
70°-80°	2710.1	13.5
80°-90°	410.4	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°	20047.1	100.0
0°-180°	20047.1	100.0

Coefficient of Utilization



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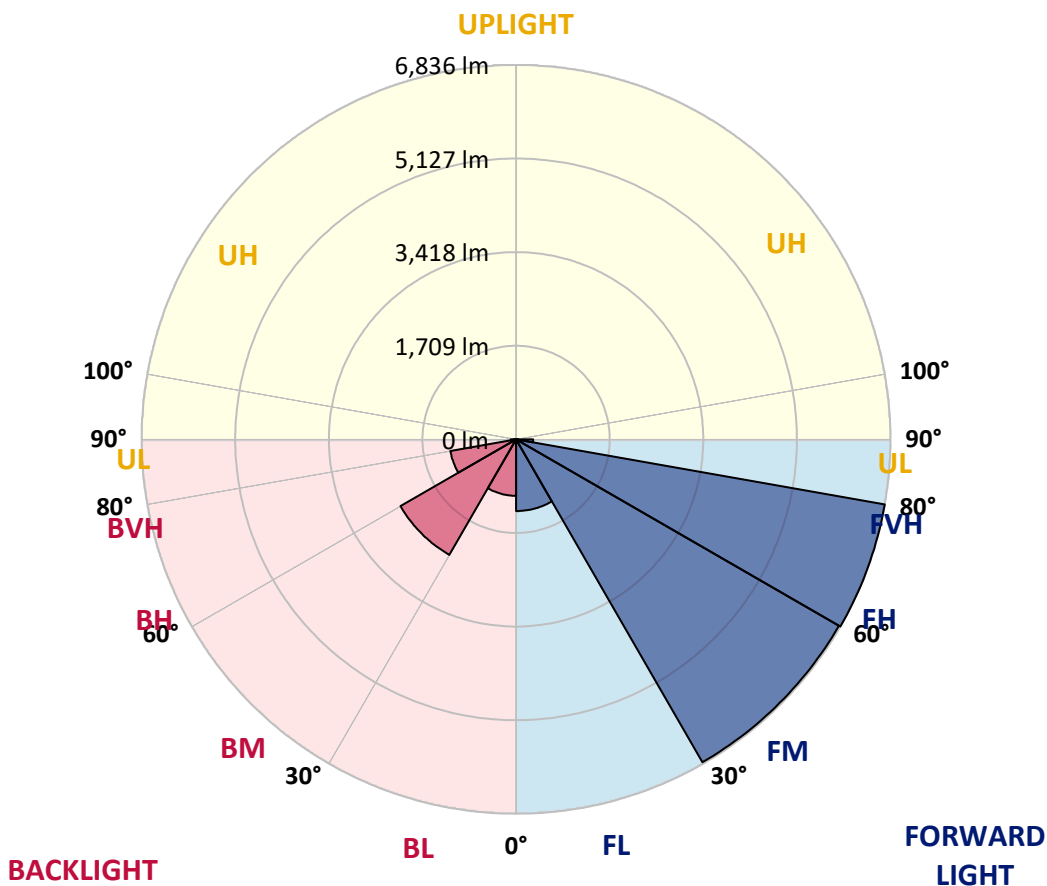
CATALOG NUMBER: GWS-SA6B-740-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1308.9	6.5			
FM (30°-60°)	6806.9	34.0			
FH (60°-80°)	6836.2	34.1			G3/7500
FVH (80°-90°)	311.5	1.6			G3/500
BL (0°-30°)	1030.7	5.1	B3/2500		
BM (30°-60°)	2436.3	12.2	B2/2500		
BH (60°-80°)	1217.7	6.1	B3/2500		G3/2500
BVH (80°-90°)	98.9	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°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2.5°	2859.5	2858.0	2886.8	2930.8	2971.8	2990.0	3020.4	3017.3	2993.1	2961.2	2950.6
5°	3084.1	3090.2	3140.3	3237.4	3345.2	3390.7	3410.4	3402.9	3358.8	3302.7	3204.0
7.5°	3287.5	3298.1	3375.5	3521.2	3654.8	3715.5	3764.1	3755.0	3691.2	3586.5	3440.8
10°	3436.2	3448.4	3541.0	3712.5	3861.2	3914.3	3976.6	3979.6	3923.4	3782.3	3633.6
12.5°	3585.0	3597.1	3683.6	3840.0	3937.1	3938.6	3975.1	3994.8	3997.8	3932.6	3783.8
15°	3739.8	3750.4	3829.3	3917.4	3912.8	3827.8	3827.8	3865.8	3949.3	3996.3	3893.1
17.5°	3871.8	3885.5	3946.2	3917.4	3782.3	3629.0	3610.8	3659.4	3805.1	3985.7	3975.1
20°	3981.1	3991.7	4025.1	3833.9	3588.0	3387.7	3352.8	3408.9	3606.2	3920.4	4037.3
22.5°	4085.9	4091.9	4073.7	3724.6	3378.6	3149.4	3106.9	3166.1	3378.6	3805.1	4090.4
25°	4210.3	4204.2	4117.7	3610.8	3187.3	2961.2	2917.2	2983.9	3205.5	3651.8	4148.1
27.5°	4354.5	4331.7	4155.7	3487.8	3040.1	2821.5	2791.2	2862.5	3068.9	3510.6	4193.6
30°	4477.4	4433.4	4161.7	3378.6	2964.2	2762.4	2744.1	2810.9	3002.2	3415.0	4251.3
32.5°	4614.0	4553.3	4196.6	3349.7	3006.7	2905.0	2929.3	2933.9	3020.4	3387.7	4337.8
35°	4809.8	4730.9	4292.3	3433.2	3443.8	3615.3	3703.4	3585.0	3295.1	3448.4	4501.7
37.5°	5105.8	5005.6	4486.5	3794.4	4346.9	4730.9	4943.4	4673.2	4129.9	3677.6	4749.1
40°	5465.5	5338.0	4735.5	4462.3	5190.8	5805.5	6183.4	5787.3	4988.9	4249.8	5096.7
42.5°	5967.9	5834.3	5218.1	5117.9	5972.4	6887.7	7380.9	6790.5	5746.3	4988.9	5653.7
45°	6843.6	6714.6	6103.0	5775.1	6887.7	8220.3	8912.4	8091.3	6515.8	5731.1	6694.9
47.5°	8461.6	8309.8	7417.4	6503.7	7931.9	9950.5	10918.9	9722.9	7315.7	6581.1	8443.4
50°	10404.3	10258.6	9067.2	7365.8	9085.4	11800.7	13147.0	11639.8	8237.0	7614.7	10533.4
52.5°	12741.7	12714.4	11421.3	8455.5	10286.0	13773.8	15619.4	13763.2	9246.3	9006.5	12901.1
55°	14848.4	15115.5	14411.3	10117.5	11837.1	16252.3	18161.7	16079.3	10615.3	11307.4	15674.1
57.5°	15983.7	16701.6	17783.8	13508.2	14092.5	19215.0	21298.9	18906.9	12967.9	15138.3	18245.2
60°	15233.9	16047.4	18008.4	16061.1	16329.7	21588.8	23888.3	21283.8	15277.9	17797.4	18099.5
62.5°	13986.3	14716.3	16460.3	14570.6	16675.8	22110.9	23949.0	21698.1	16196.2	16448.1	16349.5
65°	12506.5	13242.6	15089.7	12719.0	15575.4	20870.9	22182.3	20479.3	14546.4	14860.5	14897.0
67.5°	10540.9	11220.9	13101.4	11308.9	14197.3	19051.1	19470.0	18743.0	13395.9	13896.7	13373.1
70°	7875.7	8488.9	10149.4	9190.1	11967.7	16680.3	16341.9	16449.6	12104.3	12602.1	11170.8
72.5°	5382.0	5843.4	7267.1	7221.6	9164.3	13353.4	12881.4	13902.8	10109.9	10770.1	8516.2
75°	3764.1	4123.8	5253.0	5705.3	6927.1	9897.4	9173.4	10405.9	7895.5	8838.0	6213.8
77.5°	2310.1	2548.3	3317.9	4227.0	4456.2	6773.8	5697.7	7830.2	5544.4	6446.0	4145.0
80°	1155.0	1270.4	1611.9	2657.6	2955.1	3991.7	3146.3	4545.7	3751.9	3991.7	2293.4
82.5°	349.1	385.5	472.0	1009.3	1531.4	2297.9	1859.3	2640.9	2049.0	1871.4	903.1
85°	92.6	104.7	130.5	299.0	537.3	824.2	628.4	1279.5	982.0	690.6	340.0
87.5°	7.6	7.6	6.1	6.1	3.0	0.0	0.0	91.1	183.7	104.7	59.2
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°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2.5°	2897.4	2891.4	2829.1	2783.6	2730.5	2678.9	2625.8	2578.7	2525.6	2472.5	2457.3
5°	3131.2	3088.7	2956.6	2845.8	2736.5	2640.9	2557.5	2470.9	2401.1	2332.8	2307.0
7.5°	3337.6	3263.2	3072.0	2903.5	2751.7	2633.3	2510.4	2384.4	2285.8	2188.6	2164.3
10°	3524.3	3425.6	3184.3	2971.8	2803.3	2668.2	2524.1	2355.6	2212.9	2094.5	2062.7
12.5°	3662.4	3554.6	3281.4	3037.1	2845.8	2694.1	2551.4	2402.6	2252.4	2099.1	2064.2
15°	3771.7	3659.4	3361.9	3087.2	2847.3	2651.6	2513.4	2461.8	2414.8	2264.5	2200.8
17.5°	3859.7	3741.3	3431.7	3117.5	2806.4	2522.5	2402.6	2478.5	2598.4	2504.3	2384.4
20°	3940.1	3820.2	3484.8	3138.8	2715.3	2345.0	2278.2	2439.1	2619.7	2616.6	2508.9
22.5°	4028.2	3911.3	3562.2	3150.9	2587.8	2164.3	2203.8	2381.4	2528.6	2572.6	2505.8
25°	4140.5	4037.3	3670.0	3178.2	2443.6	2039.9	2149.2	2307.0	2430.0	2440.6	2401.1
27.5°	4271.0	4193.6	3830.9	3242.0	2304.0	1976.1	2085.4	2202.3	2314.6	2319.2	2272.1
30°	4413.7	4362.1	3979.6	3295.1	2199.3	1956.4	2003.5	2097.6	2168.9	2181.0	2140.1
32.5°	4595.8	4550.3	4111.7	3260.2	2137.0	1951.9	1927.6	1976.1	2035.3	2035.3	2003.5
35°	4846.3	4782.5	4251.3	3126.6	2061.1	1933.6	1847.1	1860.8	1886.6	1891.1	1872.9
37.5°	5201.4	5096.7	4392.4	2862.5	1936.7	1868.4	1754.5	1737.9	1747.0	1759.1	1754.5
40°	5641.6	5470.1	4598.9	2545.3	1787.9	1742.4	1658.9	1627.1	1619.5	1643.8	1652.9
42.5°	6195.6	5933.0	4820.5	2249.3	1652.9	1598.2	1546.6	1519.3	1507.2	1548.1	1572.4
45°	7080.4	6647.9	5032.9	1956.4	1577.0	1475.3	1440.4	1420.6	1426.7	1475.3	1505.6
47.5°	8608.8	7739.1	5234.8	1771.2	1570.9	1387.2	1344.7	1349.3	1366.0	1417.6	1454.0
50°	10542.5	9200.8	5369.9	1693.8	1589.1	1334.1	1278.0	1302.3	1328.1	1378.1	1420.6
52.5°	12511.0	10562.2	5209.0	1651.3	1587.6	1335.6	1215.7	1288.6	1300.7	1350.8	1396.4
55°	13864.9	10714.0	4500.2	1586.1	1563.3	1396.4	1167.2	1282.5	1290.1	1335.6	1376.6
57.5°	14380.9	10194.9	3431.7	1604.3	1490.5	1443.4	1145.9	1240.0	1294.7	1334.1	1376.6
60°	13757.1	9215.9	2085.4	1651.3	1373.6	1440.4	1159.6	1162.6	1256.7	1323.5	1366.0
62.5°	12580.8	7959.2	1464.7	1517.8	1288.6	1359.9	1191.5	1071.5	1189.9	1270.4	1308.3
65°	11233.1	6480.9	1117.1	1306.8	1247.6	1235.5	1202.1	991.1	1098.9	1177.8	1211.2
67.5°	9829.1	5037.5	907.6	974.4	1127.7	1117.1	1098.9	919.8	991.1	1047.3	1085.2
70°	8060.9	3524.3	766.5	731.6	966.8	1001.7	960.8	830.2	853.0	910.7	941.0
72.5°	5896.6	2196.2	629.9	604.1	777.1	875.8	854.5	731.6	742.2	796.8	821.1
75°	4240.7	1256.7	505.4	497.8	593.5	749.8	707.3	629.9	642.0	683.0	699.7
77.5°	2695.6	699.7	390.1	400.7	425.0	560.1	604.1	538.8	538.8	563.1	576.8
80°	1443.4	400.7	285.3	289.9	297.5	428.0	476.6	417.4	417.4	400.7	417.4
82.5°	588.9	230.7	195.8	182.1	198.8	292.9	333.9	265.6	277.8	250.4	256.5
85°	194.3	115.4	97.1	95.6	94.1	129.0	160.9	132.0	157.8	100.2	104.7
87.5°	25.8	21.2	12.1	9.1	10.6	4.6	9.1	10.6	10.6	7.6	7.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2.5°	2446.7	2434.5	2390.5	2401.1	2393.5	2381.4	2393.5	2370.8	2389.0	2395.0	2433.0
5°	2287.3	2258.4	2216.0	2194.7	2190.1	2178.0	2179.5	2168.9	2171.9	2197.7	2240.2
7.5°	2144.6	2117.3	2083.9	2068.7	2055.1	2041.4	2039.9	2038.4	2050.5	2073.3	2114.3
10°	2041.4	2026.2	2012.6	2018.6	2012.6	2006.5	1995.9	1995.9	2015.6	2056.6	2106.7
12.5°	2041.4	2038.4	2041.4	2059.6	2058.1	2059.6	2046.0	2053.5	2108.2	2178.0	2249.3
15°	2150.7	2126.4	2126.4	2135.5	2132.5	2132.5	2132.5	2164.3	2288.8	2396.6	2472.5
17.5°	2284.3	2212.9	2182.6	2178.0	2176.5	2176.5	2182.6	2250.9	2445.1	2559.0	2603.0
20°	2376.8	2241.8	2191.7	2171.9	2173.5	2176.5	2194.7	2288.8	2502.8	2560.5	2549.9
22.5°	2393.5	2219.0	2158.3	2129.4	2134.0	2137.0	2164.3	2264.5	2423.9	2433.0	2411.7
25°	2316.1	2155.2	2090.0	2067.2	2073.3	2071.8	2096.0	2168.9	2282.7	2279.7	2267.6
27.5°	2200.8	2053.5	2005.0	1989.8	2000.4	1988.3	1995.9	2052.0	2140.1	2137.0	2132.5
30°	2082.4	1954.9	1910.9	1903.3	1916.9	1898.7	1900.3	1947.3	2008.0	2005.0	2003.5
32.5°	1964.0	1856.2	1816.8	1816.8	1830.4	1810.7	1813.7	1854.7	1895.7	1883.6	1883.6
35°	1851.7	1775.8	1743.9	1737.9	1748.5	1734.8	1740.9	1778.8	1794.0	1777.3	1766.7
37.5°	1753.0	1719.6	1687.8	1666.5	1668.0	1669.6	1687.8	1716.6	1707.5	1683.2	1669.6
40°	1662.0	1662.0	1631.6	1592.1	1587.6	1598.2	1628.6	1660.4	1634.6	1607.3	1590.6
42.5°	1596.7	1610.4	1581.5	1542.1	1533.0	1551.2	1584.6	1607.3	1577.0	1546.6	1523.8
45°	1536.0	1569.4	1549.6	1505.6	1493.5	1514.7	1557.2	1566.3	1525.4	1496.5	1479.8
47.5°	1493.5	1539.0	1525.4	1482.9	1464.7	1495.0	1539.0	1537.5	1485.9	1455.5	1441.9
50°	1463.1	1520.8	1519.3	1482.9	1463.1	1501.1	1540.5	1520.8	1464.7	1432.8	1419.1
52.5°	1438.9	1519.3	1529.9	1508.7	1495.0	1528.4	1552.7	1514.7	1449.5	1416.1	1405.5
55°	1428.2	1525.4	1533.0	1513.2	1501.1	1531.4	1552.7	1526.9	1449.5	1419.1	1410.0
57.5°	1431.3	1517.8	1519.3	1492.0	1470.7	1508.7	1542.1	1534.5	1466.2	1431.3	1420.6
60°	1413.0	1476.8	1479.8	1437.3	1413.0	1458.6	1517.8	1513.2	1458.6	1422.2	1402.4
62.5°	1352.3	1408.5	1410.0	1370.6	1335.6	1400.9	1466.2	1464.7	1414.6	1378.1	1355.4
65°	1250.6	1309.8	1325.0	1287.1	1259.8	1329.6	1397.9	1394.8	1344.7	1311.4	1288.6
67.5°	1124.7	1188.4	1217.3	1191.5	1180.8	1244.6	1308.3	1306.8	1265.8	1234.0	1214.2
70°	971.4	1024.5	1073.1	1073.1	1065.5	1138.3	1206.6	1200.6	1162.6	1138.3	1123.2
72.5°	843.9	884.9	900.0	915.2	938.0	1013.9	1071.5	1076.1	1048.8	1036.6	1048.8
75°	717.9	743.7	757.4	745.2	784.7	863.6	939.5	947.1	918.3	898.5	903.1
77.5°	590.4	619.3	632.9	605.6	602.6	702.7	795.3	812.0	787.7	757.4	766.5
80°	426.5	464.4	487.2	469.0	462.9	506.9	634.4	652.6	629.9	605.6	619.3
82.5°	261.1	282.3	288.4	306.6	344.5	362.7	408.3	469.0	452.3	431.0	469.0
85°	103.2	122.9	136.6	154.8	180.6	214.0	252.0	300.5	273.2	264.1	311.1
87.5°	6.1	1.5	0.0	3.0	25.8	50.1	107.8	148.7	124.5	133.6	160.9
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°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2.5°	2463.3	2502.8	2555.9	2599.9	2656.1	2709.2	2763.9	2818.5	2847.3	2859.5
5°	2288.8	2361.7	2446.7	2540.8	2650.0	2765.4	2882.3	3002.2	3078.0	3084.1
7.5°	2184.1	2288.8	2405.7	2524.1	2659.1	2818.5	3003.7	3188.8	3266.3	3287.5
10°	2217.5	2334.3	2426.9	2537.7	2686.5	2885.3	3103.8	3320.9	3410.4	3436.2
12.5°	2351.0	2373.8	2402.6	2504.3	2686.5	2943.0	3207.1	3465.1	3560.7	3585.0
15°	2461.8	2352.6	2300.9	2408.7	2650.0	2993.1	3316.3	3601.7	3717.0	3739.8
17.5°	2470.9	2282.7	2170.4	2267.6	2586.3	3028.0	3421.1	3753.5	3850.6	3871.8
20°	2378.4	2208.4	2062.7	2121.8	2499.8	3043.1	3497.0	3864.3	3959.9	3981.1
22.5°	2273.6	2147.7	1989.8	1986.8	2395.0	3059.8	3588.0	3969.0	4072.2	4085.9
25°	2175.0	2064.2	1930.6	1888.1	2273.6	3091.7	3711.0	4126.8	4205.8	4210.3
27.5°	2059.6	1974.6	1883.6	1842.6	2167.4	3152.4	3893.1	4315.0	4362.1	4354.5
30°	1954.9	1891.1	1850.2	1838.0	2100.6	3198.0	4066.1	4500.2	4503.2	4477.4
32.5°	1844.1	1819.8	1819.8	1859.3	2046.0	3187.3	4207.3	4680.8	4652.0	4614.0
35°	1745.4	1750.0	1781.9	1874.5	1954.9	3081.1	4342.4	4907.0	4864.5	4809.8
37.5°	1651.3	1686.2	1731.8	1821.3	1835.0	2923.2	4500.2	5227.2	5174.1	5105.8
40°	1570.9	1624.0	1677.1	1721.2	1707.5	2698.6	4720.3	5603.6	5544.4	5465.5
42.5°	1507.2	1558.8	1617.9	1622.5	1627.1	2464.9	4954.0	6065.0	6054.4	5967.9
45°	1466.2	1499.6	1555.7	1548.1	1622.5	2206.8	5169.5	6769.3	6908.9	6843.6
47.5°	1438.9	1464.7	1470.7	1502.6	1662.0	1976.1	5447.3	8147.4	8536.0	8461.6
50°	1423.7	1449.5	1381.2	1505.6	1668.0	1827.4	5831.3	9877.7	10503.0	10404.3
52.5°	1422.2	1416.1	1312.9	1537.5	1634.6	1736.3	6031.6	11140.5	12527.7	12741.7
55°	1425.2	1349.3	1278.0	1546.6	1567.9	1702.9	5360.8	11747.6	14396.1	14848.4
57.5°	1397.9	1276.4	1297.7	1510.2	1441.9	1792.5	3962.9	11530.5	15142.8	15983.7
60°	1346.3	1206.6	1334.1	1411.5	1312.9	1639.2	2729.0	10562.2	14368.8	15233.9
62.5°	1271.9	1158.1	1329.6	1284.0	1265.8	1341.7	1876.0	9206.8	13140.9	13986.3
65°	1188.4	1118.6	1258.2	1161.1	1171.7	1032.1	1326.5	7676.9	11674.7	12506.5
67.5°	1098.9	1094.3	1153.5	1033.6	989.6	818.1	966.8	6153.1	9791.2	10540.9
70°	997.2	1030.6	1048.8	918.3	802.9	642.0	717.9	4302.9	7223.1	7875.7
72.5°	895.5	898.5	924.3	798.3	601.0	514.5	538.8	2606.0	4907.0	5382.0
75°	792.3	763.4	787.7	649.6	447.7	421.9	415.9	1610.4	3389.2	3764.1
77.5°	681.5	649.6	617.7	488.7	359.7	326.3	318.7	903.1	2079.4	2310.1
80°	554.0	511.5	461.4	358.2	262.6	233.7	232.2	440.2	1036.6	1155.0
82.5°	431.0	350.6	336.9	223.1	162.4	142.7	151.8	168.5	312.7	349.1
85°	302.0	255.0	179.1	89.5	72.9	59.2	57.7	50.1	83.5	92.6
87.5°	168.5	110.8	57.7	10.6	12.1	13.7	10.6	7.6	7.6	7.6
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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