

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: P641841

Luminaire Tested: GWS-SA6B-760-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641841
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-760-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20225.4 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

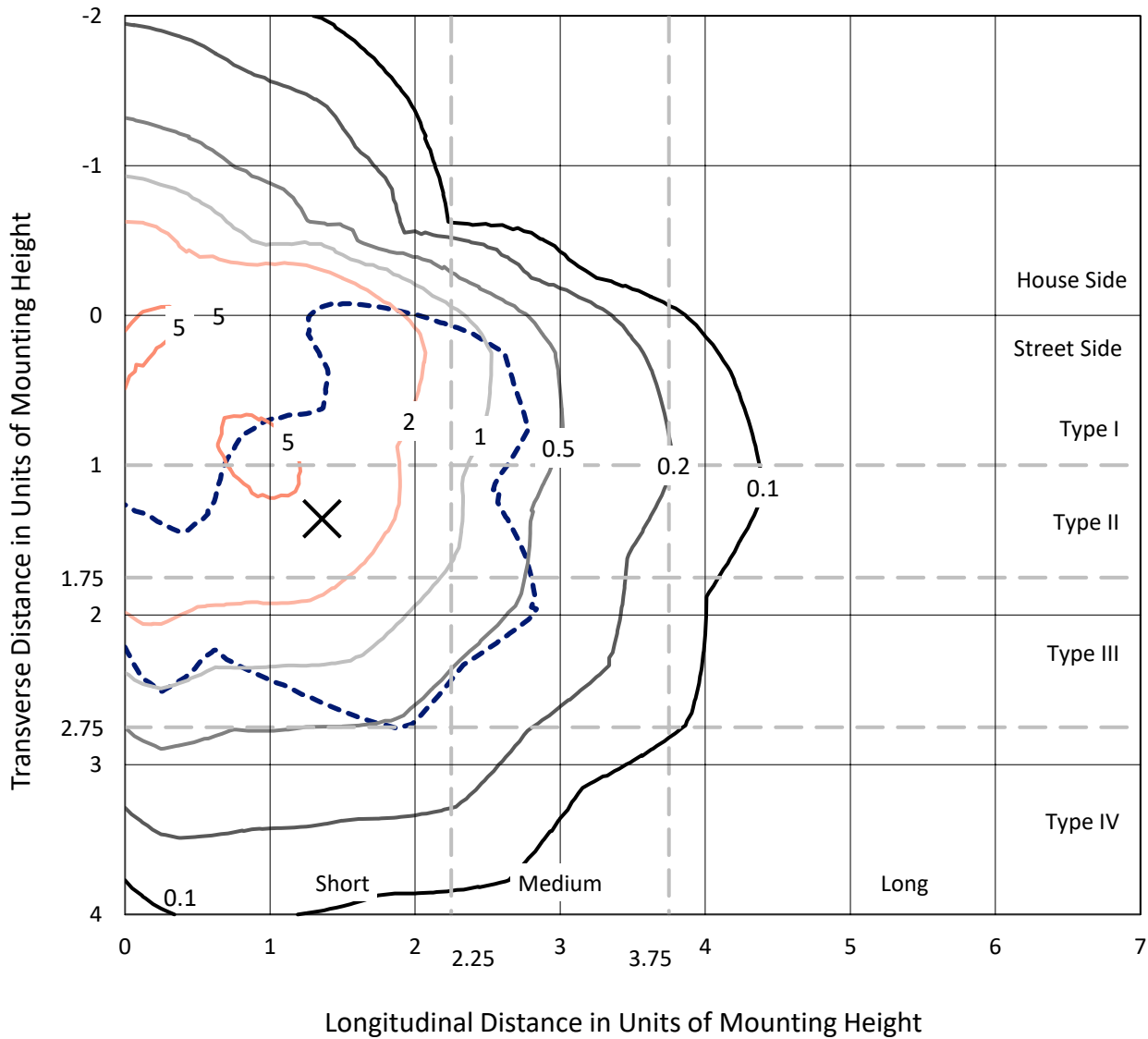
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

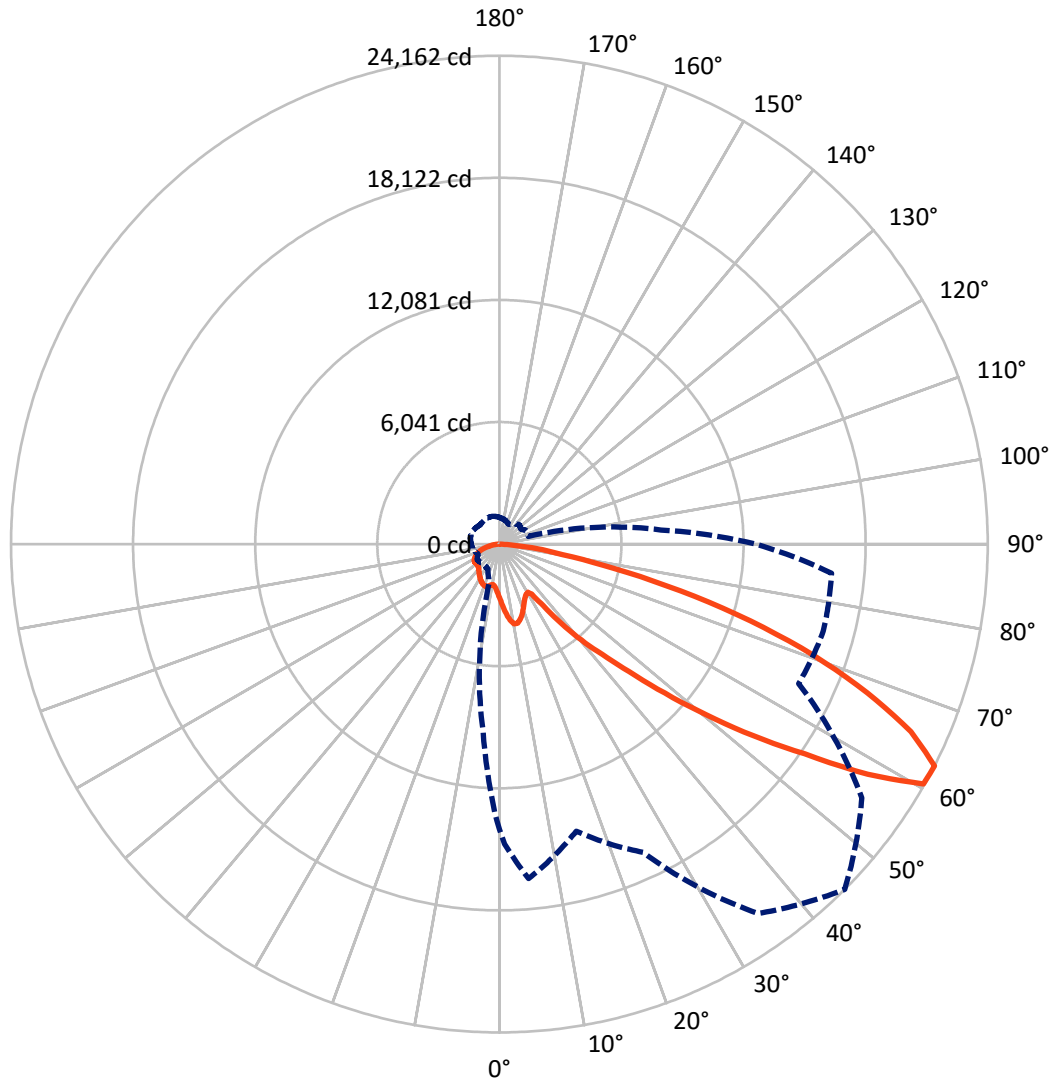
✕ Max cd
 - - - 1/2 Max cd



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	4826.2	0.0	4826.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	15399.2	0.0	15399.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	20225.4	0.0	20225.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.2	1.3
10°-20°	821.8	4.1
20°-30°	1276.5	6.3
30°-40°	1733.1	8.6
40°-50°	2746.8	13.6
50°-60°	4845.4	24.0
60°-70°	5391.3	26.7
70°-80°	2734.2	13.5
80°-90°	414.0	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°	20225.4	100.0
0°-180°	20225.4	100.0

Coefficient of Utilization



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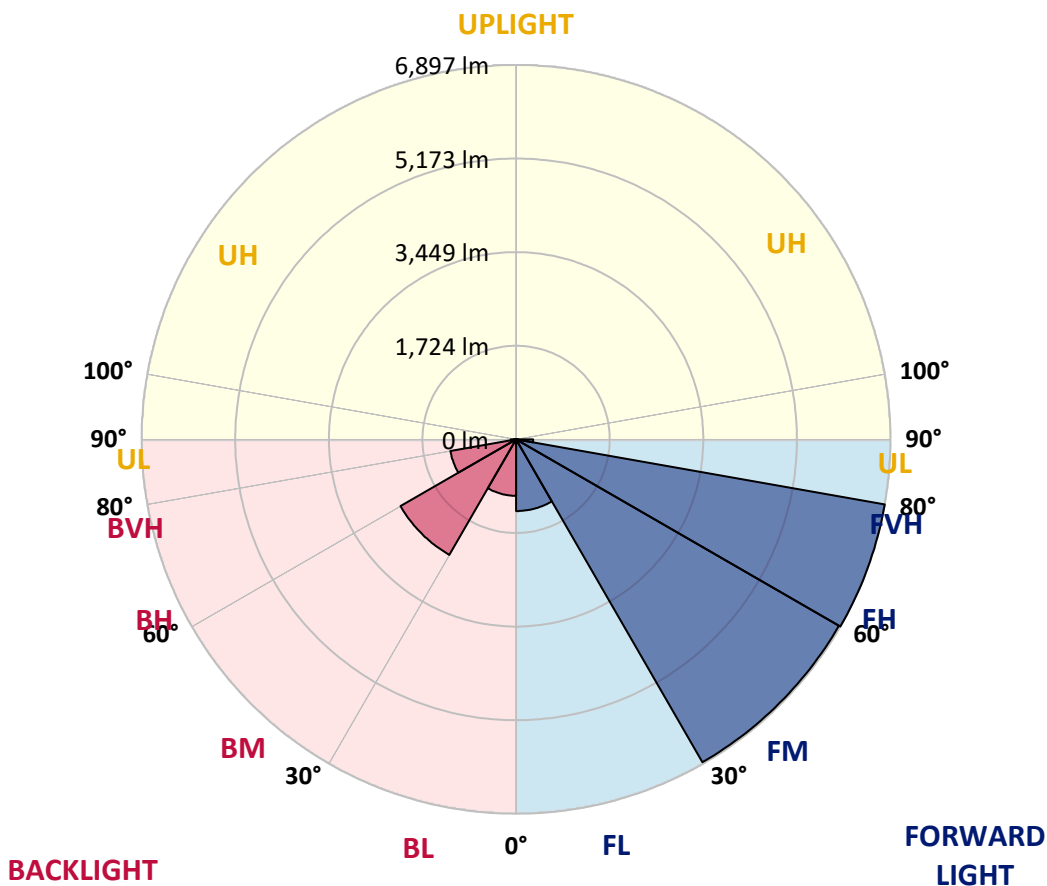
CATALOG NUMBER: GWS-SA6B-760-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1320.5	6.5			
FM (30°-60°)	6867.4	34.0			
FH (60°-80°)	6897.0	34.1			G3/7500
FVH (80°-90°)	314.3	1.6			G3/500
BL (0°-30°)	1039.9	5.1	B3/2500		
BM (30°-60°)	2458.0	12.2	B2/2500		
BH (60°-80°)	1228.5	6.1	B3/2500		G3/2500
BVH (80°-90°)	99.8	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°	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3
2.5°	2884.9	2883.4	2912.5	2956.9	2998.2	3016.6	3047.2	3044.2	3019.7	2987.5	2976.8
5°	3111.5	3117.7	3168.2	3266.2	3374.9	3420.9	3440.8	3433.1	3388.7	3332.1	3232.5
7.5°	3316.7	3327.5	3405.6	3552.6	3687.3	3748.6	3797.6	3788.4	3724.1	3618.4	3471.4
10°	3466.8	3479.1	3572.5	3745.5	3895.6	3949.2	4011.9	4015.0	3958.3	3815.9	3665.9
12.5°	3616.9	3629.1	3716.4	3874.1	3972.1	3973.7	4010.4	4030.3	4033.4	3967.5	3817.5
15°	3773.1	3783.8	3863.4	3952.2	3947.6	3861.9	3861.9	3900.2	3984.4	4031.8	3927.7
17.5°	3906.3	3920.1	3981.3	3952.2	3815.9	3661.3	3642.9	3691.9	3838.9	4021.1	4010.4
20°	4016.5	4027.3	4060.9	3868.0	3619.9	3417.8	3382.6	3439.2	3638.3	3955.3	4073.2
22.5°	4122.2	4128.3	4109.9	3757.7	3408.6	3177.4	3134.5	3194.2	3408.6	3838.9	4126.8
25°	4247.8	4241.6	4154.3	3642.9	3215.7	2987.5	2943.1	3010.5	3234.1	3684.2	4185.0
27.5°	4393.2	4370.3	4192.6	3518.9	3067.1	2846.6	2816.0	2888.0	3096.2	3541.8	4230.9
30°	4517.3	4472.9	4198.8	3408.6	2990.6	2786.9	2768.5	2835.9	3028.9	3445.4	4289.1
32.5°	4655.1	4593.8	4234.0	3379.5	3033.5	2930.9	2955.4	2960.0	3047.2	3417.8	4376.4
35°	4852.6	4773.0	4330.4	3463.7	3474.5	3647.5	3736.3	3616.9	3324.4	3479.1	4541.8
37.5°	5151.2	5050.1	4526.4	3828.2	4385.6	4773.0	4987.4	4714.8	4166.6	3710.3	4791.4
40°	5514.1	5385.5	4777.6	4501.9	5237.0	5857.1	6238.4	5838.7	5033.3	4287.6	5142.0
42.5°	6021.0	5886.2	5264.5	5163.5	6025.6	6948.9	7446.6	6850.9	5797.4	5033.3	5704.0
45°	6904.5	6774.4	6157.3	5826.5	6948.9	8293.4	8991.6	8163.2	6573.8	5782.1	6754.5
47.5°	8536.9	8383.7	7483.3	6561.5	8002.4	10039.0	11016.0	9809.3	7380.7	6639.6	8518.5
50°	10496.9	10349.9	9147.8	7431.3	9166.2	11905.7	13263.9	11743.3	8310.2	7682.4	10627.0
52.5°	12855.0	12827.5	11522.8	8530.7	10377.4	13896.3	15758.3	13885.6	9328.5	9086.6	13015.8
55°	14980.5	15250.0	14539.4	10207.5	11942.4	16396.9	18323.2	16222.3	10709.7	11408.0	15813.5
57.5°	16125.8	16850.1	17941.9	13628.3	14217.9	19385.9	21488.4	19075.1	13083.2	15272.9	18407.4
60°	15369.4	16190.2	18168.6	16203.9	16475.0	21780.8	24100.7	21473.1	15413.8	17955.7	18260.4
62.5°	14110.7	14847.2	16606.7	14700.2	16824.1	22307.6	24162.0	21891.1	16340.2	16594.4	16494.9
65°	12617.7	13360.4	15223.9	12832.1	15713.9	21056.6	22379.6	20661.5	14675.7	14992.7	15029.5
67.5°	10634.7	11320.7	13218.0	11409.5	14323.5	19220.6	19643.2	18909.7	13515.0	14020.3	13492.1
70°	7945.8	8564.4	10239.6	9271.9	12074.1	16828.7	16487.2	16595.9	12211.9	12714.2	11270.2
72.5°	5429.9	5895.4	7331.7	7285.8	9245.8	13472.2	12995.9	14026.5	10199.8	10865.9	8592.0
75°	3797.6	4160.5	5299.7	5756.1	6988.7	9985.4	9255.0	10498.4	7965.7	8916.6	6269.0
77.5°	2330.6	2571.0	3347.4	4264.6	4495.8	6834.1	5748.4	7899.8	5593.7	6503.3	4181.9
80°	1165.3	1281.7	1626.2	2681.3	2981.4	4027.3	3174.3	4586.2	3785.3	4027.3	2313.8
82.5°	352.2	388.9	476.2	1018.3	1545.1	2318.3	1875.8	2664.4	2067.2	1888.1	911.1
85°	93.4	105.7	131.7	301.7	542.1	831.5	633.9	1290.9	990.7	696.7	343.0
87.5°	7.7	7.7	6.1	6.1	3.1	0.0	0.0	91.9	185.3	105.7	59.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3
2.5°	2923.2	2917.1	2854.3	2808.4	2754.8	2702.7	2649.1	2601.6	2548.0	2494.4	2479.1
5°	3159.0	3116.1	2982.9	2871.1	2760.9	2664.4	2580.2	2492.9	2422.5	2353.6	2327.5
7.5°	3367.3	3292.2	3099.3	2929.3	2776.2	2656.8	2532.7	2405.6	2306.1	2208.1	2183.6
10°	3555.6	3456.1	3212.6	2998.2	2828.3	2692.0	2546.5	2376.5	2232.6	2113.2	2081.0
12.5°	3695.0	3586.2	3310.6	3064.1	2871.1	2718.0	2574.1	2424.0	2272.4	2117.8	2082.5
15°	3805.2	3691.9	3391.8	3114.6	2872.7	2675.1	2535.8	2483.7	2436.3	2284.7	2220.3
17.5°	3894.0	3774.6	3462.2	3145.2	2831.3	2545.0	2424.0	2500.6	2621.5	2526.6	2405.6
20°	3975.2	3854.2	3515.8	3166.7	2739.4	2365.8	2298.4	2460.8	2643.0	2639.9	2531.2
22.5°	4064.0	3946.1	3593.9	3178.9	2610.8	2183.6	2223.4	2402.6	2551.1	2595.5	2528.1
25°	4177.3	4073.2	3702.6	3206.5	2465.4	2058.0	2168.3	2327.5	2451.6	2462.3	2422.5
27.5°	4309.0	4230.9	3864.9	3270.8	2324.5	1993.7	2104.0	2221.9	2335.2	2339.8	2292.3
30°	4452.9	4400.9	4015.0	3324.4	2218.8	1973.8	2021.3	2116.2	2188.2	2200.4	2159.1
32.5°	4636.7	4590.8	4148.2	3289.2	2156.0	1969.2	1944.7	1993.7	2053.4	2053.4	2021.3
35°	4889.4	4825.0	4289.1	3154.4	2079.5	1950.8	1863.6	1877.3	1903.4	1908.0	1889.6
37.5°	5247.7	5142.0	4431.5	2888.0	1953.9	1885.0	1770.2	1753.3	1762.5	1774.7	1770.2
40°	5691.7	5518.7	4639.8	2567.9	1803.8	1757.9	1673.7	1641.5	1633.9	1658.4	1667.6
42.5°	6250.7	5985.8	4863.3	2269.3	1667.6	1612.4	1560.4	1532.8	1520.6	1561.9	1586.4
45°	7143.4	6707.0	5077.7	1973.8	1591.0	1488.4	1453.2	1433.3	1439.4	1488.4	1519.0
47.5°	8685.4	7808.0	5281.4	1787.0	1584.9	1399.6	1356.7	1361.3	1378.1	1430.2	1467.0
50°	10636.2	9282.6	5417.6	1708.9	1603.2	1346.0	1289.3	1313.8	1339.9	1390.4	1433.3
52.5°	12622.3	10656.1	5255.3	1666.0	1601.7	1347.5	1226.6	1300.1	1312.3	1362.8	1408.8
55°	13988.2	10809.3	4540.2	1600.2	1577.2	1408.8	1177.5	1293.9	1301.6	1347.5	1388.9
57.5°	14508.8	10285.6	3462.2	1618.6	1503.7	1456.2	1156.1	1251.1	1306.2	1346.0	1388.9
60°	13879.5	9297.9	2104.0	1666.0	1385.8	1453.2	1169.9	1173.0	1267.9	1335.3	1378.1
62.5°	12692.7	8030.0	1477.7	1531.3	1300.1	1372.0	1202.1	1081.1	1200.5	1281.7	1320.0
65°	11333.0	6538.5	1127.0	1318.4	1258.7	1246.5	1212.8	999.9	1108.6	1188.3	1222.0
67.5°	9916.5	5082.3	915.7	983.1	1137.7	1127.0	1108.6	928.0	999.9	1056.6	1094.9
70°	8132.6	3555.6	773.3	738.1	975.4	1010.6	969.3	837.6	860.6	918.8	949.4
72.5°	5949.0	2215.8	635.5	609.4	784.0	883.5	862.1	738.1	748.8	803.9	828.4
75°	4278.4	1267.9	509.9	502.3	598.7	756.4	713.6	635.5	647.7	689.1	705.9
77.5°	2719.5	705.9	393.5	404.3	428.8	565.0	609.4	543.6	543.6	568.1	581.9
80°	1456.2	404.3	287.9	292.5	300.1	431.8	480.8	421.1	421.1	404.3	421.1
82.5°	594.1	232.8	197.5	183.8	200.6	295.5	336.9	268.0	280.2	252.7	258.8
85°	196.0	116.4	98.0	96.5	94.9	130.2	162.3	133.2	159.3	101.1	105.7
87.5°	26.0	21.4	12.3	9.2	10.7	4.6	9.2	10.7	10.7	7.7	7.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3
2.5°	2468.4	2456.2	2411.8	2422.5	2414.8	2402.6	2414.8	2391.9	2410.2	2416.4	2454.6
5°	2307.6	2278.5	2235.7	2214.2	2209.6	2197.4	2198.9	2188.2	2191.3	2217.3	2260.2
7.5°	2163.7	2136.1	2102.4	2087.1	2073.3	2059.6	2058.0	2056.5	2068.8	2091.7	2133.1
10°	2059.6	2044.3	2030.5	2036.6	2030.5	2024.3	2013.6	2013.6	2033.5	2074.9	2125.4
12.5°	2059.6	2056.5	2059.6	2077.9	2076.4	2077.9	2064.2	2071.8	2126.9	2197.4	2269.3
15°	2169.8	2145.3	2145.3	2154.5	2151.4	2151.4	2151.4	2183.6	2309.2	2417.9	2494.4
17.5°	2304.6	2232.6	2202.0	2197.4	2195.8	2195.8	2202.0	2270.9	2466.9	2581.7	2626.1
20°	2398.0	2261.7	2211.2	2191.3	2192.8	2195.8	2214.2	2309.2	2525.1	2583.3	2572.5
22.5°	2414.8	2238.7	2177.5	2148.4	2153.0	2156.0	2183.6	2284.7	2445.4	2454.6	2433.2
25°	2336.7	2174.4	2108.6	2085.6	2091.7	2090.2	2114.7	2188.2	2303.0	2300.0	2287.7
27.5°	2220.3	2071.8	2022.8	2007.5	2018.2	2006.0	2013.6	2070.3	2159.1	2156.0	2151.4
30°	2100.9	1972.3	1927.9	1920.2	1934.0	1915.6	1917.2	1964.6	2025.9	2022.8	2021.3
32.5°	1981.5	1872.7	1832.9	1832.9	1846.7	1826.8	1829.9	1871.2	1912.6	1900.3	1900.3
35°	1868.2	1791.6	1759.4	1753.3	1764.0	1750.2	1756.4	1794.7	1810.0	1793.1	1782.4
37.5°	1768.6	1734.9	1702.8	1681.3	1682.9	1684.4	1702.8	1731.9	1722.7	1698.2	1684.4
40°	1676.7	1676.7	1646.1	1606.3	1601.7	1612.4	1643.1	1675.2	1649.2	1621.6	1604.8
42.5°	1610.9	1624.7	1595.6	1555.8	1546.6	1565.0	1598.7	1621.6	1591.0	1560.4	1537.4
45°	1549.6	1583.3	1563.4	1519.0	1506.8	1528.2	1571.1	1580.3	1538.9	1509.8	1493.0
47.5°	1506.8	1552.7	1538.9	1496.1	1477.7	1508.3	1552.7	1551.2	1499.1	1468.5	1454.7
50°	1476.1	1534.3	1532.8	1496.1	1476.1	1514.4	1554.2	1534.3	1477.7	1445.5	1431.7
52.5°	1451.6	1532.8	1543.5	1522.1	1508.3	1542.0	1566.5	1528.2	1462.4	1428.7	1418.0
55°	1440.9	1538.9	1546.6	1526.7	1514.4	1545.1	1566.5	1540.5	1462.4	1431.7	1422.6
57.5°	1444.0	1531.3	1532.8	1505.2	1483.8	1522.1	1555.8	1548.1	1479.2	1444.0	1433.3
60°	1425.6	1489.9	1493.0	1450.1	1425.6	1471.6	1531.3	1526.7	1471.6	1434.8	1414.9
62.5°	1364.4	1421.0	1422.6	1382.7	1347.5	1413.4	1479.2	1477.7	1427.1	1390.4	1367.4
65°	1261.8	1321.5	1336.8	1298.5	1271.0	1341.4	1410.3	1407.2	1356.7	1323.0	1300.1
67.5°	1134.7	1199.0	1228.1	1202.1	1191.3	1255.6	1320.0	1318.4	1277.1	1244.9	1225.0
70°	980.0	1033.6	1082.6	1082.6	1075.0	1148.5	1217.4	1211.2	1173.0	1148.5	1133.1
72.5°	851.4	892.7	908.0	923.4	946.3	1022.9	1081.1	1085.7	1058.1	1045.9	1058.1
75°	724.3	750.3	764.1	751.9	791.7	871.3	947.9	955.5	926.4	906.5	911.1
77.5°	595.7	624.8	638.5	611.0	607.9	709.0	802.4	819.2	794.7	764.1	773.3
80°	430.3	468.6	491.5	473.2	467.0	511.4	640.1	658.4	635.5	611.0	624.8
82.5°	263.4	284.8	290.9	309.3	347.6	366.0	411.9	473.2	456.3	434.9	473.2
85°	104.1	124.0	137.8	156.2	182.2	215.9	254.2	303.2	275.6	266.4	313.9
87.5°	6.1	1.5	0.0	3.1	26.0	50.5	108.7	150.1	125.6	134.8	162.3
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°	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3	2684.3
2.5°	2485.3	2525.1	2578.7	2623.1	2679.7	2733.3	2788.5	2843.6	2872.7	2884.9
5°	2309.2	2382.7	2468.4	2563.4	2673.6	2790.0	2907.9	3028.9	3105.4	3111.5
7.5°	2203.5	2309.2	2427.1	2546.5	2682.8	2843.6	3030.4	3217.2	3295.3	3316.7
10°	2237.2	2355.1	2448.5	2560.3	2710.4	2911.0	3131.5	3350.4	3440.8	3466.8
12.5°	2371.9	2394.9	2424.0	2526.6	2710.4	2969.1	3235.6	3495.9	3592.4	3616.9
15°	2483.7	2373.5	2321.4	2430.1	2673.6	3019.7	3345.8	3633.7	3750.1	3773.1
17.5°	2492.9	2303.0	2189.7	2287.7	2609.3	3054.9	3451.5	3786.8	3884.8	3906.3
20°	2399.5	2228.0	2081.0	2140.7	2522.0	3070.2	3528.1	3898.6	3995.1	4016.5
22.5°	2293.8	2166.8	2007.5	2004.4	2416.4	3087.0	3619.9	4004.3	4108.4	4122.2
25°	2194.3	2082.5	1947.8	1904.9	2293.8	3119.2	3744.0	4163.5	4243.2	4247.8
27.5°	2077.9	1992.2	1900.3	1859.0	2186.7	3180.5	3927.7	4353.4	4400.9	4393.2
30°	1972.3	1908.0	1866.6	1854.4	2119.3	3226.4	4102.3	4540.2	4543.3	4517.3
32.5°	1860.5	1836.0	1836.0	1875.8	2064.2	3215.7	4244.7	4722.4	4693.4	4655.1
35°	1761.0	1765.6	1797.7	1891.1	1972.3	3108.5	4381.0	4950.6	4907.7	4852.6
37.5°	1666.0	1701.2	1747.2	1837.5	1851.3	2949.2	4540.2	5273.7	5220.1	5151.2
40°	1584.9	1638.5	1692.1	1736.5	1722.7	2722.6	4762.3	5653.5	5593.7	5514.1
42.5°	1520.6	1572.6	1632.3	1636.9	1641.5	2486.8	4998.1	6119.0	6108.3	6021.0
45°	1479.2	1512.9	1569.6	1561.9	1636.9	2226.5	5215.5	6829.5	6970.4	6904.5
47.5°	1451.6	1477.7	1483.8	1516.0	1676.7	1993.7	5495.7	8219.9	8611.9	8536.9
50°	1436.3	1462.4	1393.5	1519.0	1682.9	1843.7	5883.2	9965.5	10596.4	10496.9
52.5°	1434.8	1428.7	1324.6	1551.2	1649.2	1751.8	6085.3	11239.6	12639.1	12855.0
55°	1437.9	1361.3	1289.3	1560.4	1581.8	1718.1	5408.5	11852.1	14524.1	14980.5
57.5°	1410.3	1287.8	1309.2	1523.6	1454.7	1808.4	3998.2	11633.1	15277.5	16125.8
60°	1358.2	1217.4	1346.0	1424.1	1324.6	1653.8	2753.2	10656.1	14496.6	15369.4
62.5°	1283.2	1168.4	1341.4	1295.5	1277.1	1353.6	1892.7	9288.7	13257.8	14110.7
65°	1199.0	1128.5	1269.4	1171.4	1182.1	1041.3	1338.3	7745.2	11778.6	12617.7
67.5°	1108.6	1104.0	1163.8	1042.8	998.4	825.4	975.4	6207.8	9878.2	10634.7
70°	1006.0	1039.7	1058.1	926.4	810.0	647.7	724.3	4341.2	7287.3	7945.8
72.5°	903.5	906.5	932.5	805.5	606.4	519.1	543.6	2629.2	4950.6	5429.9
75°	799.3	770.2	794.7	655.4	451.7	425.7	419.6	1624.7	3419.3	3797.6
77.5°	687.5	655.4	623.2	493.1	362.9	329.2	321.6	911.1	2097.8	2330.6
80°	558.9	516.0	465.5	361.4	264.9	235.8	234.3	444.1	1045.9	1165.3
82.5°	434.9	353.7	339.9	225.1	163.8	143.9	153.1	170.0	315.4	352.2
85°	304.7	257.3	180.7	90.3	73.5	59.7	58.2	50.5	84.2	93.4
87.5°	170.0	111.8	58.2	10.7	12.3	13.8	10.7	7.7	7.7	7.7
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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