

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: P641511

Luminaire Tested: GWS-SA6B-722-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641511  
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-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**

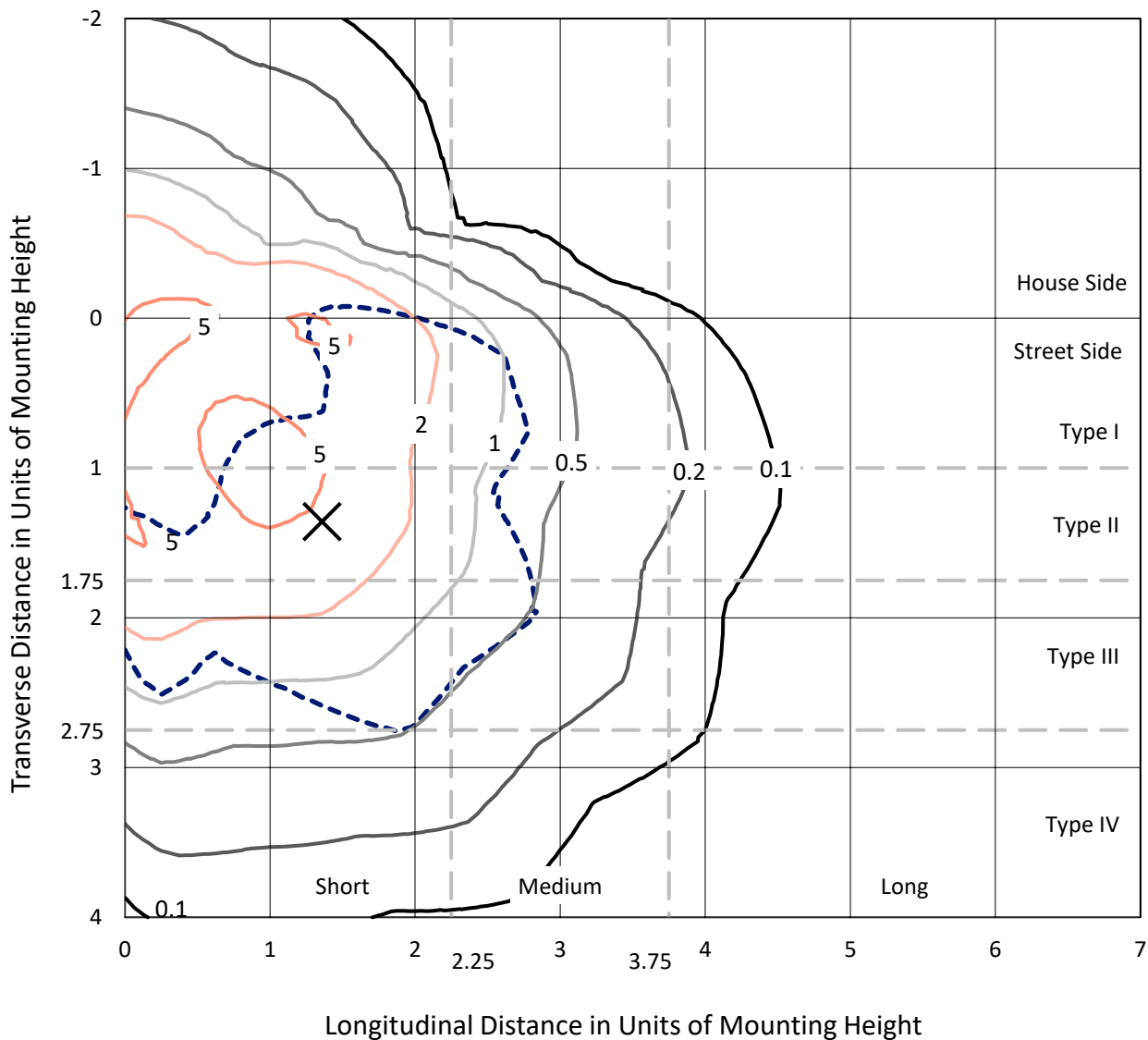
Lumens per Lamp: N/A  
Luminaire Lumens: 14766.6 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): 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

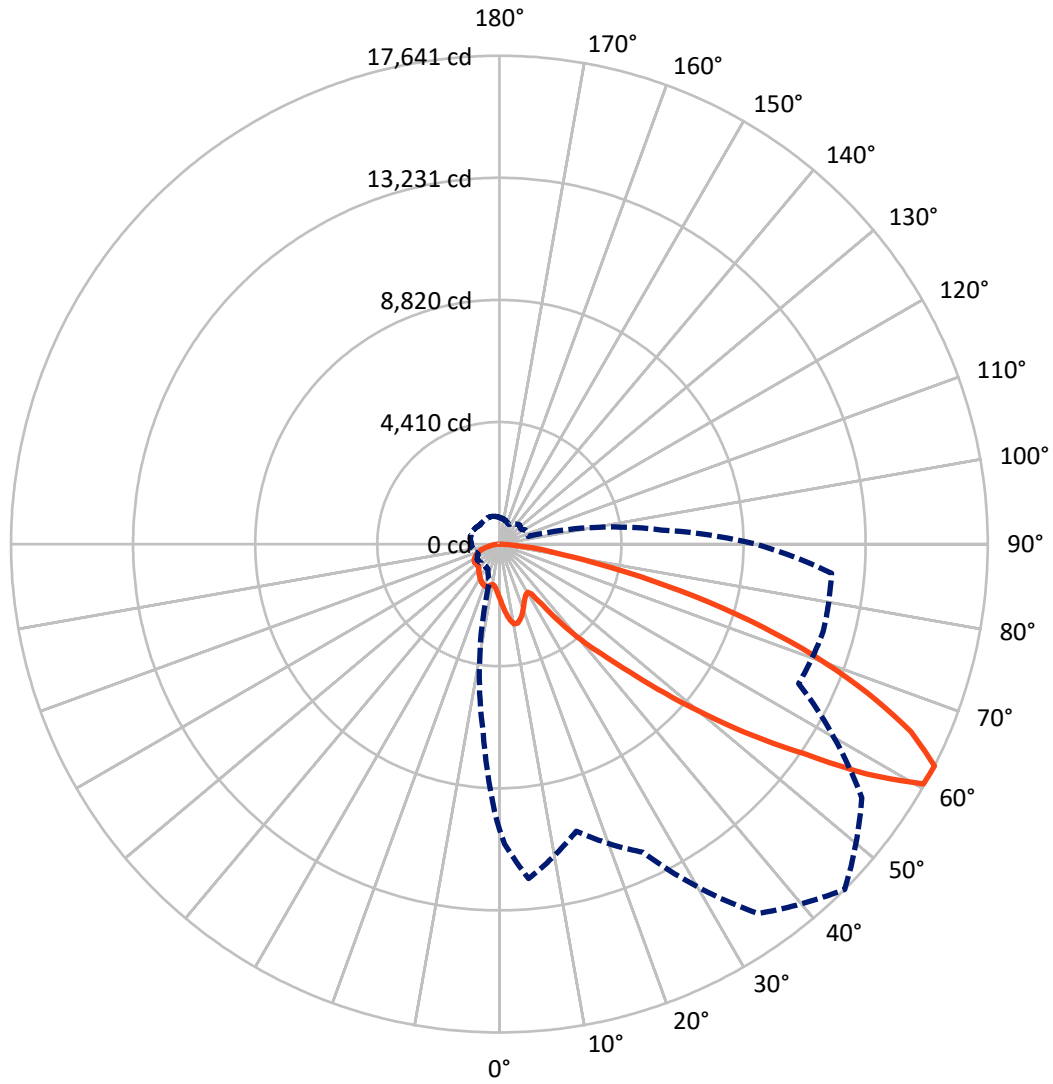
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 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
<b>House Side</b>	Lumens	3523.6	0.0	3523.6
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	11243.0	0.0	11243.0
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	14766.6	0.0	14766.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.4	1.3
10°-20°	600.0	4.1
20°-30°	932.0	6.3
30°-40°	1265.4	8.6
40°-50°	2005.5	13.6
50°-60°	3537.7	24.0
60°-70°	3936.2	26.7
70°-80°	1996.3	13.5
80°-90°	302.3	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°	14766.6	100.0
0°-180°	14766.6	100.0

**Coefficient of Utilization**



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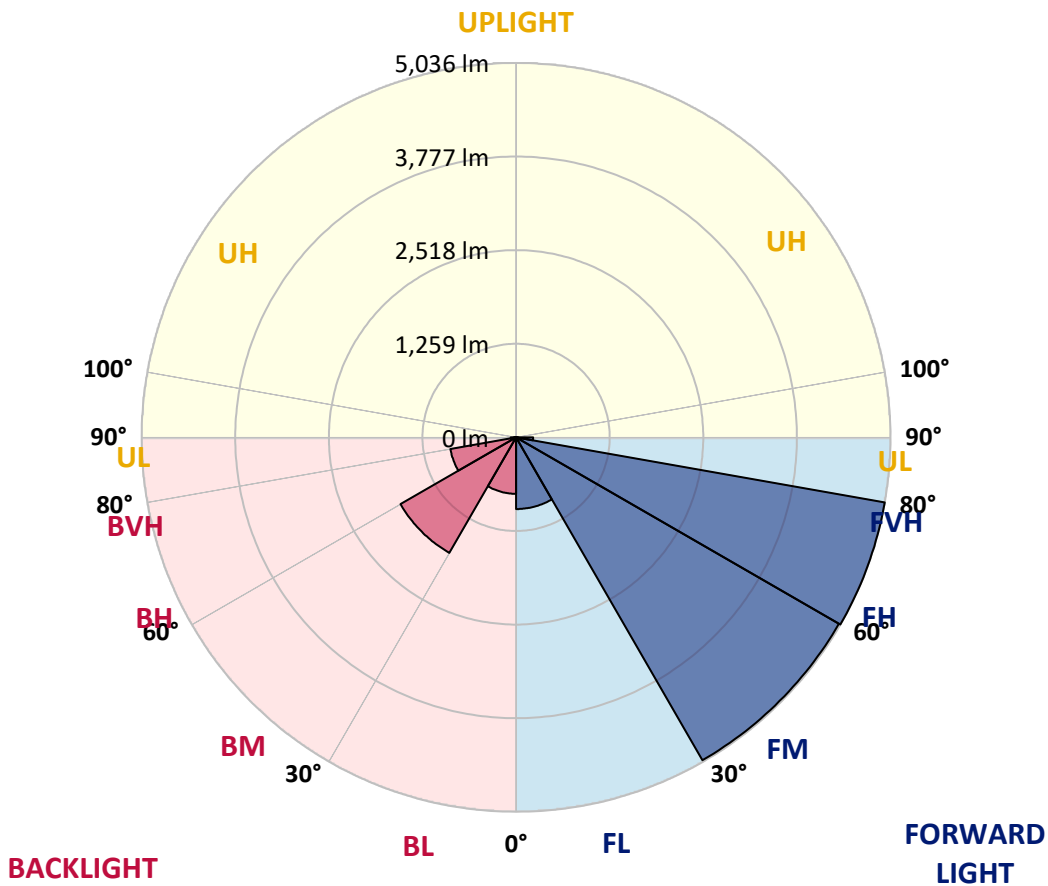
CATALOG NUMBER: GWS-SA6B-722-U-SLR-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	964.1	6.5			
FM (30°-60°)	5013.9	34.0			
FH (60°-80°)	5035.5	34.1			G3/7500
FVH (80°-90°)	229.4	1.6			G3/500
BL (0°-30°)	759.2	5.1	B2/1000		
BM (30°-60°)	1794.6	12.2	B2/2500		
BH (60°-80°)	896.9	6.1	B2/1000		G2/1000
BVH (80°-90°)	72.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8
2.5°	2106.3	2105.2	2126.4	2158.8	2189.0	2202.4	2224.8	2222.6	2204.7	2181.2	2173.4
5°	2271.7	2276.2	2313.1	2384.7	2464.0	2497.6	2512.1	2506.5	2474.1	2432.7	2360.1
7.5°	2421.6	2429.4	2486.4	2593.7	2692.1	2736.8	2772.6	2765.9	2718.9	2641.8	2534.5
10°	2531.1	2540.1	2608.3	2734.6	2844.2	2883.3	2929.1	2931.4	2890.0	2786.0	2676.5
12.5°	2640.7	2649.6	2713.4	2828.5	2900.1	2901.2	2928.0	2942.5	2944.8	2896.7	2787.1
15°	2754.7	2762.5	2820.7	2885.5	2882.2	2819.6	2819.6	2847.5	2909.0	2943.7	2867.6
17.5°	2852.0	2862.0	2906.8	2885.5	2786.0	2673.1	2659.7	2695.5	2802.8	2935.8	2928.0
20°	2932.5	2940.3	2964.9	2824.0	2642.9	2495.3	2469.6	2511.0	2656.3	2887.8	2973.8
22.5°	3009.6	3014.1	3000.7	2743.5	2488.6	2319.8	2288.5	2332.1	2488.6	2802.8	3013.0
25°	3101.3	3096.8	3033.1	2659.7	2347.8	2181.2	2148.8	2198.0	2361.2	2689.9	3055.5
27.5°	3207.5	3190.7	3061.0	2569.1	2239.3	2078.3	2056.0	2108.5	2260.6	2585.9	3089.0
30°	3298.1	3265.6	3065.5	2488.6	2183.4	2034.7	2021.3	2070.5	2211.4	2515.5	3131.5
32.5°	3398.7	3354.0	3091.2	2467.4	2214.7	2139.8	2157.7	2161.1	2224.8	2495.3	3195.2
35°	3542.9	3484.8	3161.7	2528.9	2536.7	2663.0	2727.9	2640.7	2427.1	2540.1	3315.9
37.5°	3760.9	3687.1	3304.8	2795.0	3201.9	3484.8	3641.3	3442.3	3042.0	2708.9	3498.2
40°	4025.9	3932.0	3488.1	3286.9	3823.5	4276.3	4554.7	4262.9	3674.8	3130.4	3754.2
42.5°	4395.9	4297.5	3843.6	3769.8	4399.3	5073.4	5436.8	5001.9	4232.7	3674.8	4164.5
45°	5041.0	4946.0	4495.4	4253.9	5073.4	6055.0	6564.8	5960.0	4799.5	4221.5	4931.4
47.5°	6232.8	6121.0	5463.6	4790.6	5842.6	7329.5	8042.8	7161.8	5388.7	4847.6	6219.4
50°	7663.8	7556.5	6678.8	5425.6	6692.3	8692.3	9684.0	8573.8	6067.3	5608.9	7758.8
52.5°	9385.5	9365.4	8412.8	6228.3	7576.6	10145.7	11505.2	10137.9	6810.8	6634.1	9502.9
55°	10937.3	11134.0	10615.3	7452.5	8719.2	11971.4	13377.8	11843.9	7819.2	8329.0	11545.4
57.5°	11773.5	12302.3	13099.4	9950.1	10380.5	14153.7	15688.7	13926.8	9552.1	11150.8	13439.3
60°	11221.2	11820.5	13264.9	11830.5	12028.4	15902.2	17596.0	15677.5	11253.6	13109.5	13332.0
62.5°	10302.2	10840.0	12124.6	10732.7	12283.3	16286.8	17640.7	15982.7	11930.0	12115.6	12042.9
65°	9212.2	9754.4	11115.0	9368.7	11472.8	15373.4	16339.4	15085.0	10714.8	10946.2	10973.0
67.5°	7764.4	8265.3	9650.5	8330.1	10457.6	14033.0	14341.5	13806.0	9867.3	10236.3	9850.6
70°	5801.2	6252.9	7476.0	6769.4	8815.3	12286.7	12037.8	12116.7	8915.9	9282.6	8228.4
72.5°	3964.4	4304.2	5352.9	5319.4	6750.4	9836.0	9488.3	10240.8	7446.9	7933.2	6273.0
75°	2772.6	3037.6	3869.3	4202.5	5102.5	7290.4	6757.1	7664.9	5815.8	6510.0	4577.0
77.5°	1701.6	1877.1	2443.9	3113.6	3282.4	4989.6	4196.9	5767.7	4084.0	4748.1	3053.2
80°	850.8	935.8	1187.3	1957.6	2176.7	2940.3	2317.6	3348.4	2763.7	2940.3	1689.3
82.5°	257.1	284.0	347.7	743.5	1128.0	1692.6	1369.5	1945.3	1509.3	1378.5	665.2
85°	68.2	77.1	96.1	220.2	395.8	607.1	462.8	942.5	723.3	508.7	250.4
87.5°	5.6	5.6	4.5	4.5	2.2	0.0	0.0	67.1	135.3	77.1	43.6
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8
2.5°	2134.2	2129.8	2083.9	2050.4	2011.3	1973.2	1934.1	1899.5	1860.3	1821.2	1810.0
5°	2306.4	2275.1	2177.8	2096.2	2015.7	1945.3	1883.8	1820.1	1768.7	1718.3	1699.3
7.5°	2458.5	2403.7	2262.8	2138.7	2026.9	1939.7	1849.1	1756.4	1683.7	1612.1	1594.2
10°	2596.0	2523.3	2345.5	2189.0	2064.9	1965.4	1859.2	1735.1	1630.0	1542.8	1519.3
12.5°	2697.7	2618.3	2417.1	2237.1	2096.2	1984.4	1879.3	1769.8	1659.1	1546.2	1520.5
15°	2778.2	2695.5	2476.3	2274.0	2097.3	1953.1	1851.4	1813.4	1778.7	1668.0	1621.1
17.5°	2843.0	2755.8	2527.8	2296.3	2067.2	1858.1	1769.8	1825.7	1914.0	1844.7	1756.4
20°	2902.3	2814.0	2566.9	2312.0	2000.1	1727.3	1678.1	1796.6	1929.6	1927.4	1848.0
22.5°	2967.1	2881.0	2623.9	2320.9	1906.2	1594.2	1623.3	1754.1	1862.6	1895.0	1845.8
25°	3049.9	2973.8	2703.3	2341.1	1800.0	1502.6	1583.1	1699.3	1789.9	1797.7	1768.7
27.5°	3146.0	3089.0	2821.8	2388.0	1697.1	1455.6	1536.1	1622.2	1704.9	1708.3	1673.6
30°	3251.1	3213.1	2931.4	2427.1	1620.0	1441.1	1475.7	1545.1	1597.6	1606.5	1576.4
32.5°	3385.3	3351.7	3028.6	2401.4	1574.1	1437.7	1419.8	1455.6	1499.2	1499.2	1475.7
35°	3569.7	3522.8	3131.5	2303.1	1518.2	1424.3	1360.6	1370.7	1389.7	1393.0	1379.6
37.5°	3831.3	3754.2	3235.5	2108.5	1426.6	1376.2	1292.4	1280.1	1286.8	1295.7	1292.4
40°	4155.6	4029.2	3387.5	1874.9	1317.0	1283.4	1222.0	1198.5	1192.9	1210.8	1217.5
42.5°	4563.6	4370.2	3550.7	1656.9	1217.5	1177.2	1139.2	1119.1	1110.2	1140.3	1158.2
45°	5215.4	4896.8	3707.2	1441.1	1161.6	1086.7	1061.0	1046.4	1050.9	1086.7	1109.0
47.5°	6341.2	5700.6	3855.9	1304.7	1157.1	1021.8	990.5	993.9	1006.2	1044.2	1071.0
50°	7765.5	6777.2	3955.4	1247.7	1170.5	982.7	941.3	959.2	978.2	1015.1	1046.4
52.5°	9215.6	7780.1	3836.9	1216.4	1169.4	983.8	895.5	949.2	958.1	995.0	1028.5
55°	10212.8	7891.9	3314.8	1168.3	1151.5	1028.5	859.7	944.7	950.3	983.8	1014.0
57.5°	10592.9	7509.5	2527.8	1181.7	1097.9	1063.2	844.1	913.4	953.6	982.7	1014.0
60°	10133.4	6788.4	1536.1	1216.4	1011.8	1061.0	854.1	856.4	925.7	974.9	1006.2
62.5°	9267.0	5862.7	1078.9	1118.0	949.2	1001.7	877.6	789.3	876.5	935.8	963.7
65°	8274.2	4773.8	822.8	962.6	919.0	910.0	885.4	730.0	809.4	867.6	892.2
67.5°	7240.1	3710.6	668.6	717.7	830.7	822.8	809.4	677.5	730.0	771.4	799.4
70°	5937.6	2596.0	564.6	538.9	712.2	737.9	707.7	611.5	628.3	670.8	693.2
72.5°	4343.4	1617.7	464.0	445.0	572.4	645.1	629.4	538.9	546.7	586.9	604.8
75°	3123.7	925.7	372.3	366.7	437.1	552.3	521.0	464.0	472.9	503.1	515.4
77.5°	1985.5	515.4	287.3	295.1	313.0	412.5	445.0	396.9	396.9	414.8	424.8
80°	1063.2	295.1	210.2	213.5	219.1	315.3	351.0	307.4	307.4	295.1	307.4
82.5°	433.8	169.9	144.2	134.2	146.5	215.8	246.0	195.6	204.6	184.5	188.9
85°	143.1	85.0	71.6	70.4	69.3	95.0	118.5	97.3	116.3	73.8	77.1
87.5°	19.0	15.7	8.9	6.7	7.8	3.4	6.7	7.8	7.8	5.6	5.6
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°	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8
2.5°	1802.2	1793.2	1760.8	1768.7	1763.1	1754.1	1763.1	1746.3	1759.7	1764.2	1792.1
5°	1684.8	1663.6	1632.3	1616.6	1613.3	1604.3	1605.4	1597.6	1599.8	1618.8	1650.1
7.5°	1579.7	1559.6	1535.0	1523.8	1513.8	1503.7	1502.6	1501.5	1510.4	1527.2	1557.4
10°	1503.7	1492.5	1482.4	1486.9	1482.4	1478.0	1470.2	1470.2	1484.7	1514.9	1551.8
12.5°	1503.7	1501.5	1503.7	1517.1	1516.0	1517.1	1507.0	1512.6	1552.9	1604.3	1656.9
15°	1584.2	1566.3	1566.3	1573.0	1570.8	1570.8	1570.8	1594.2	1685.9	1765.3	1821.2
17.5°	1682.6	1630.0	1607.7	1604.3	1603.2	1603.2	1607.7	1658.0	1801.1	1884.9	1917.3
20°	1750.8	1651.3	1614.4	1599.8	1601.0	1603.2	1616.6	1685.9	1843.6	1886.0	1878.2
22.5°	1763.1	1634.5	1589.8	1568.5	1571.9	1574.1	1594.2	1668.0	1785.4	1792.1	1776.5
25°	1706.0	1587.5	1539.5	1522.7	1527.2	1526.1	1543.9	1597.6	1681.5	1679.2	1670.3
27.5°	1621.1	1512.6	1476.9	1465.7	1473.5	1464.6	1470.2	1511.5	1576.4	1574.1	1570.8
30°	1533.9	1440.0	1407.5	1402.0	1412.0	1398.6	1399.7	1434.4	1479.1	1476.9	1475.7
32.5°	1446.7	1367.3	1338.2	1338.2	1348.3	1333.8	1336.0	1366.2	1396.4	1387.4	1387.4
35°	1363.9	1308.0	1284.6	1280.1	1287.9	1277.9	1282.3	1310.3	1321.5	1309.2	1301.3
37.5°	1291.3	1266.7	1243.2	1227.5	1228.7	1229.8	1243.2	1264.4	1257.7	1239.8	1229.8
40°	1224.2	1224.2	1201.8	1172.8	1169.4	1177.2	1199.6	1223.1	1204.1	1183.9	1171.6
42.5°	1176.1	1186.2	1164.9	1135.9	1129.2	1142.6	1167.2	1183.9	1161.6	1139.2	1122.5
45°	1131.4	1156.0	1141.5	1109.0	1100.1	1115.7	1147.1	1153.8	1123.6	1102.3	1090.0
47.5°	1100.1	1133.6	1123.6	1092.3	1078.9	1101.2	1133.6	1132.5	1094.5	1072.1	1062.1
50°	1077.7	1120.2	1119.1	1092.3	1077.7	1105.7	1134.8	1120.2	1078.9	1055.4	1045.3
52.5°	1059.9	1119.1	1126.9	1111.3	1101.2	1125.8	1143.7	1115.7	1067.7	1043.1	1035.3
55°	1052.0	1123.6	1129.2	1114.6	1105.7	1128.0	1143.7	1124.7	1067.7	1045.3	1038.6
57.5°	1054.3	1118.0	1119.1	1099.0	1083.3	1111.3	1135.9	1130.3	1080.0	1054.3	1046.4
60°	1040.8	1087.8	1090.0	1058.7	1040.8	1074.4	1118.0	1114.6	1074.4	1047.6	1033.0
62.5°	996.1	1037.5	1038.6	1009.5	983.8	1031.9	1080.0	1078.9	1042.0	1015.1	998.4
65°	921.2	964.8	976.0	948.1	927.9	979.4	1029.7	1027.4	990.5	965.9	949.2
67.5°	828.4	875.4	896.6	877.6	869.8	916.7	963.7	962.6	932.4	908.9	894.4
70°	715.5	754.6	790.4	790.4	784.8	838.5	888.8	884.3	856.4	838.5	827.3
72.5°	621.6	651.8	663.0	674.1	690.9	746.8	789.3	792.7	772.5	763.6	772.5
75°	528.8	547.8	557.9	548.9	578.0	636.1	692.0	697.6	676.4	661.8	665.2
77.5°	434.9	456.1	466.2	446.1	443.8	517.6	585.8	598.1	580.2	557.9	564.6
80°	314.2	342.1	358.9	345.5	341.0	373.4	467.3	480.7	464.0	446.1	456.1
82.5°	192.3	207.9	212.4	225.8	253.8	267.2	300.7	345.5	333.2	317.5	345.5
85°	76.0	90.6	100.6	114.0	133.0	157.6	185.6	221.4	201.2	194.5	229.2
87.5°	4.5	1.1	0.0	2.2	19.0	36.9	79.4	109.6	91.7	98.4	118.5
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8
2.5°	1814.5	1843.6	1882.7	1915.1	1956.5	1995.6	2035.9	2076.1	2097.3	2106.3
5°	1685.9	1739.6	1802.2	1871.5	1952.0	2037.0	2123.1	2211.4	2267.3	2271.7
7.5°	1608.8	1685.9	1772.0	1859.2	1958.7	2076.1	2212.5	2348.9	2405.9	2421.6
10°	1633.4	1719.5	1787.7	1869.3	1978.8	2125.3	2286.3	2446.2	2512.1	2531.1
12.5°	1731.8	1748.5	1769.8	1844.7	1978.8	2167.8	2362.3	2552.4	2622.8	2640.7
15°	1813.4	1732.9	1694.9	1774.2	1952.0	2204.7	2442.8	2653.0	2737.9	2754.7
17.5°	1820.1	1681.5	1598.7	1670.3	1905.0	2230.4	2519.9	2764.8	2836.3	2852.0
20°	1751.9	1626.7	1519.3	1562.9	1841.3	2241.6	2575.8	2846.4	2916.8	2932.5
22.5°	1674.7	1582.0	1465.7	1463.4	1764.2	2253.9	2642.9	2923.5	2999.6	3009.6
25°	1602.1	1520.5	1422.1	1390.8	1674.7	2277.3	2733.5	3039.8	3097.9	3101.3
27.5°	1517.1	1454.5	1387.4	1357.2	1596.5	2322.1	2867.6	3178.4	3213.1	3207.5
30°	1440.0	1393.0	1362.8	1353.9	1547.3	2355.6	2995.1	3314.8	3317.1	3298.1
32.5°	1358.4	1340.5	1340.5	1369.5	1507.0	2347.8	3099.1	3447.9	3426.6	3398.7
35°	1285.7	1289.0	1312.5	1380.7	1440.0	2269.5	3198.6	3614.4	3583.1	3542.9
37.5°	1216.4	1242.1	1275.6	1341.6	1351.6	2153.2	3314.8	3850.3	3811.2	3760.9
40°	1157.1	1196.2	1235.4	1267.8	1257.7	1987.8	3476.9	4127.6	4084.0	4025.9
42.5°	1110.2	1148.2	1191.8	1195.1	1198.5	1815.6	3649.1	4467.5	4459.6	4395.9
45°	1080.0	1104.6	1145.9	1140.3	1195.1	1625.6	3807.9	4986.2	5089.1	5041.0
47.5°	1059.9	1078.9	1083.3	1106.8	1224.2	1455.6	4012.5	6001.3	6287.6	6232.8
50°	1048.7	1067.7	1017.4	1109.0	1228.7	1346.1	4295.3	7275.9	7736.5	7663.8
52.5°	1047.6	1043.1	967.1	1132.5	1204.1	1279.0	4442.9	8206.0	9227.9	9385.5
55°	1049.8	993.9	941.3	1139.2	1154.9	1254.4	3948.7	8653.2	10604.1	10937.3
57.5°	1029.7	940.2	955.9	1112.4	1062.1	1320.3	2919.1	8493.3	11154.1	11773.5
60°	991.7	888.8	982.7	1039.7	967.1	1207.4	2010.1	7780.1	10584.0	11221.2
62.5°	936.9	853.0	979.4	945.8	932.4	988.3	1381.8	6781.7	9679.5	10302.2
65°	875.4	824.0	926.8	855.3	863.1	760.2	977.1	5654.8	8599.5	9212.2
67.5°	809.4	806.1	849.7	761.3	728.9	602.6	712.2	4532.3	7212.1	7764.4
70°	734.5	759.1	772.5	676.4	591.4	472.9	528.8	3169.5	5320.5	5801.2
72.5°	659.6	661.8	680.9	588.1	442.7	379.0	396.9	1919.6	3614.4	3964.4
75°	583.6	562.3	580.2	478.5	329.8	310.8	306.3	1186.2	2496.5	2772.6
77.5°	502.0	478.5	455.0	360.0	265.0	240.4	234.8	665.2	1531.6	1701.6
80°	408.1	376.8	339.9	263.8	193.4	172.2	171.1	324.2	763.6	850.8
82.5°	317.5	258.3	248.2	164.3	119.6	105.1	111.8	124.1	230.3	257.1
85°	222.5	187.8	131.9	66.0	53.7	43.6	42.5	36.9	61.5	68.2
87.5°	124.1	81.6	42.5	7.8	8.9	10.1	7.8	5.6	5.6	5.6
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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