

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: P632874

Luminaire Tested: GWS-SA2D-750-U-SLR-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632874  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-750-U-SLR-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

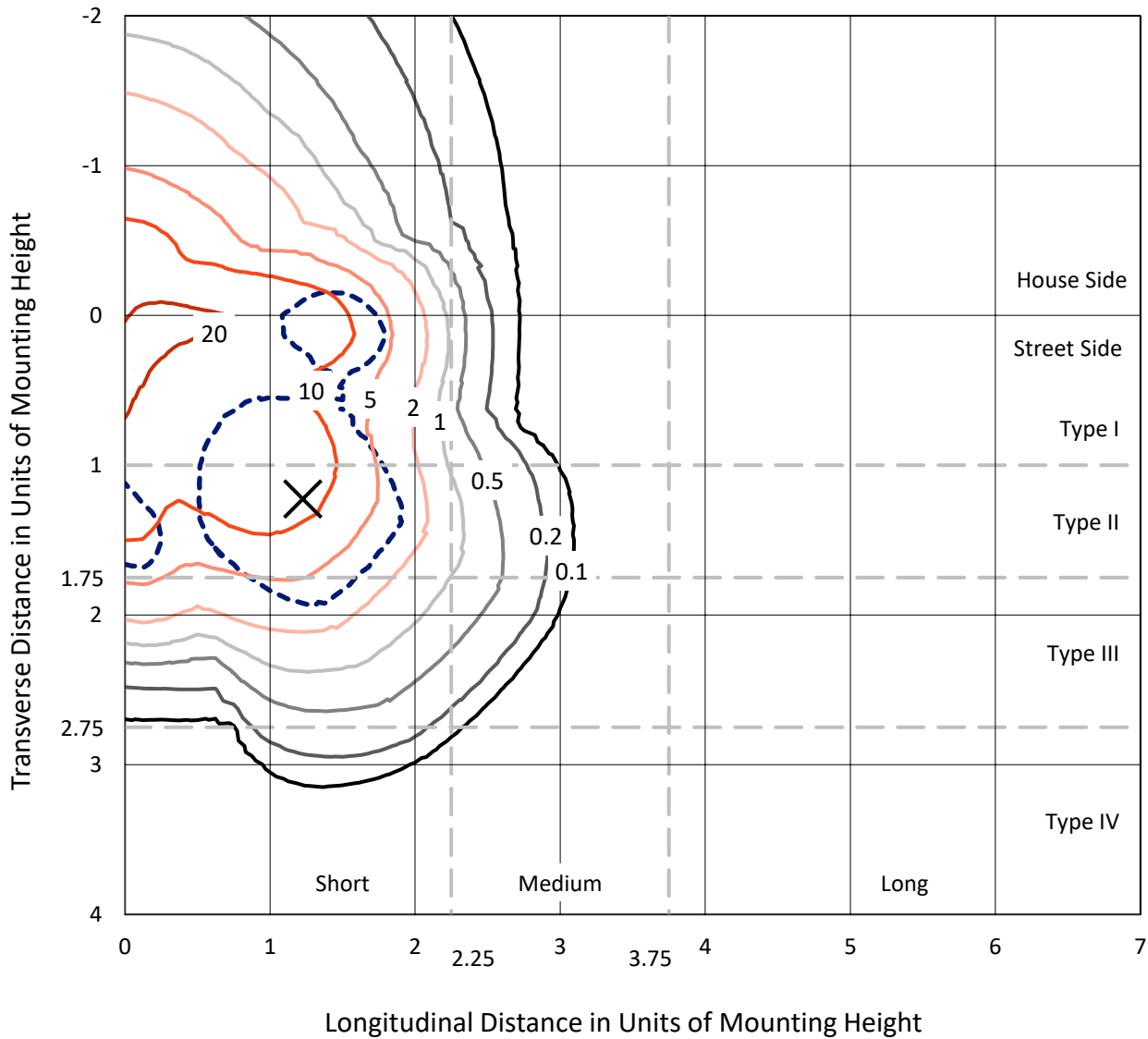
Lumens per Lamp: N/A  
Luminaire Lumens: 9344.7 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): 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

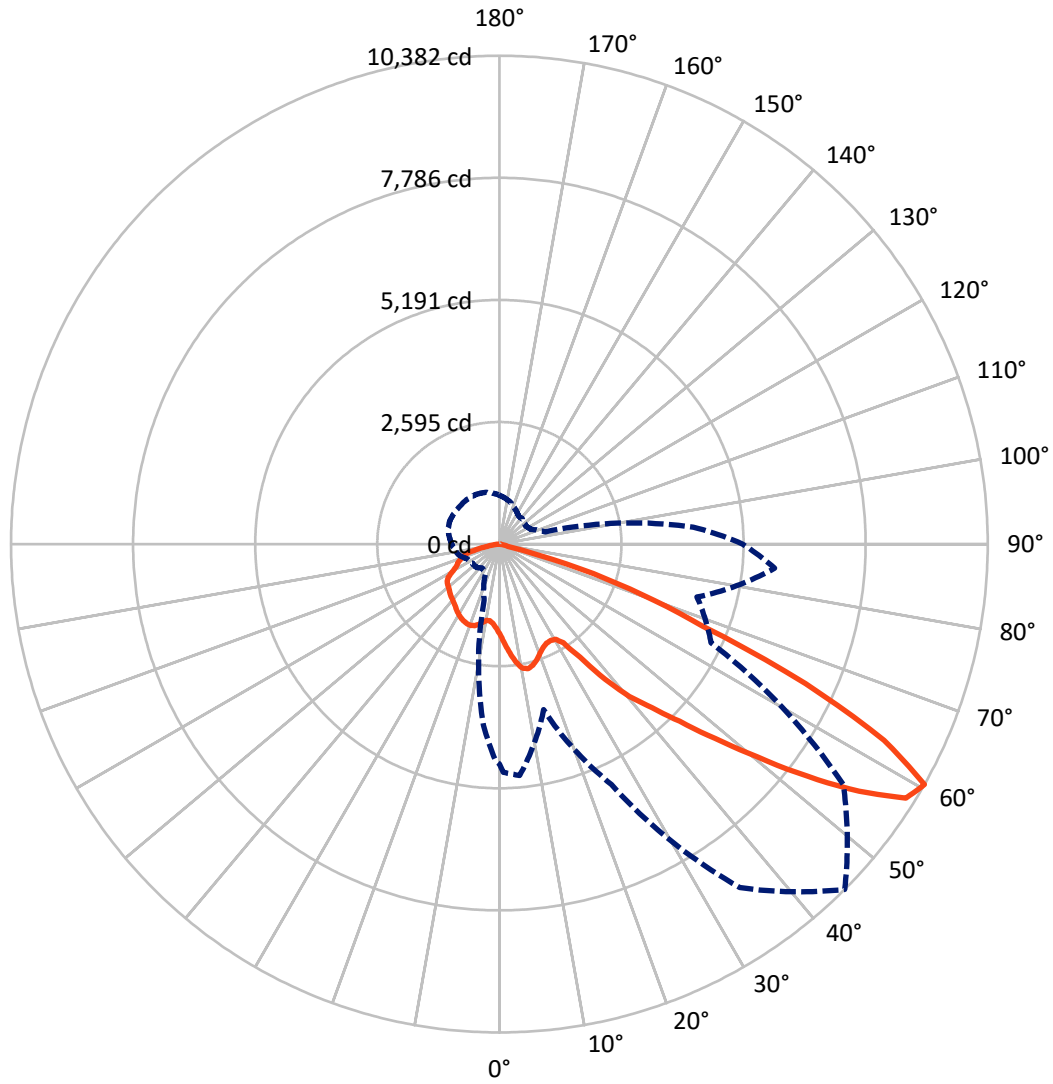
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3275.7	0.0	3275.7
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	6069.0	0.0	6069.0
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	9344.7	0.0	9344.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.3	2.0
10°-20°	591.9	6.3
20°-30°	961.4	10.3
30°-40°	1355.9	14.5
40°-50°	1873.8	20.1
50°-60°	2412.1	25.8
60°-70°	1528.3	16.4
70°-80°	392.2	4.2
80°-90°	41.9	0.4
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°	9344.7	100.0
0°-180°	9344.7	100.0

**Coefficient of Utilization**



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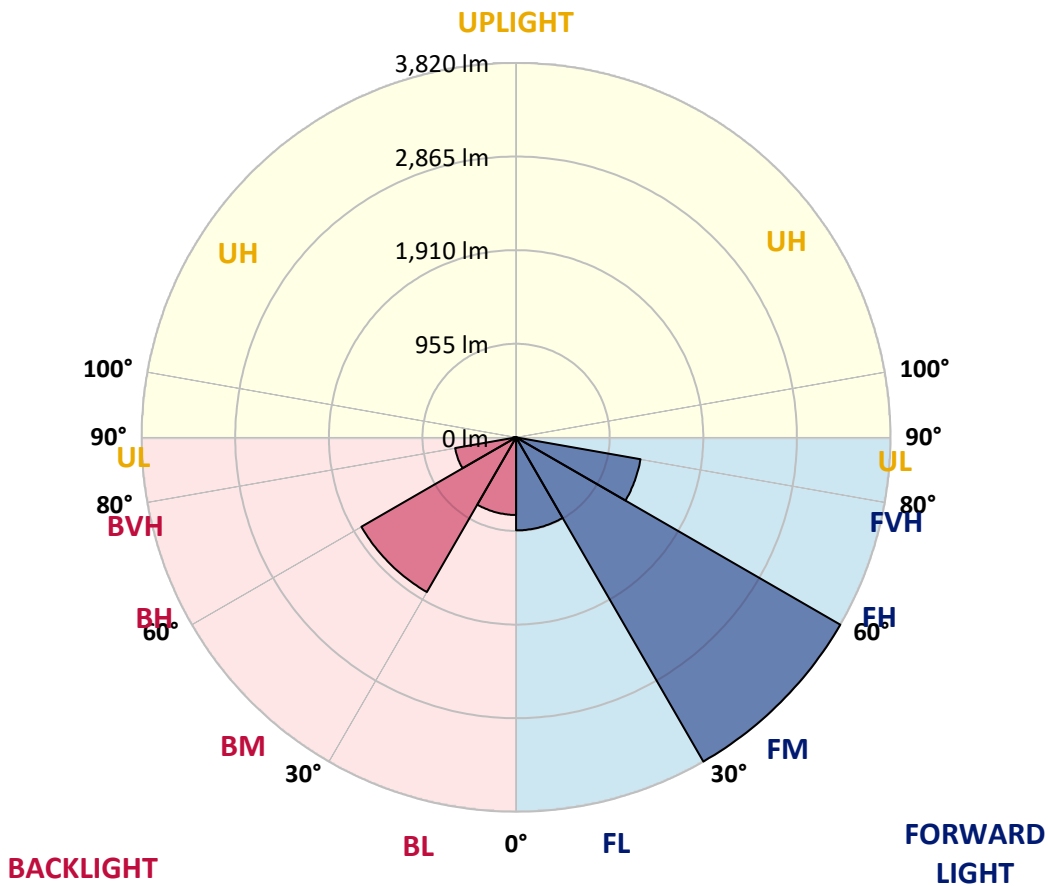
CATALOG NUMBER: GWS-SA2D-750-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	948.8	10.2			
FM (30°-60°)	3819.6	40.9			
FH (60°-80°)	1289.2	13.8			G1/1800
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	791.7	8.5	B2/1000		
BM (30°-60°)	1822.1	19.5	B2/2500		
BH (60°-80°)	631.3	6.8	B2/1000		G2/1000
BVH (80°-90°)	30.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7
2.5°	2007.9	2021.6	2030.1	2046.4	2075.5	2091.8	2109.8	2090.1	2095.2	2092.6	2061.0
5°	2126.9	2143.2	2165.4	2213.4	2267.3	2297.3	2325.5	2321.2	2294.7	2250.2	2218.5
7.5°	2238.2	2257.0	2295.6	2373.5	2453.1	2499.3	2533.6	2511.3	2489.1	2418.9	2339.2
10°	2325.5	2336.7	2388.9	2493.4	2585.8	2638.1	2680.0	2674.9	2644.0	2565.3	2458.2
12.5°	2407.7	2415.4	2471.9	2576.4	2659.5	2682.6	2716.8	2728.0	2717.7	2658.6	2553.3
15°	2495.9	2510.5	2562.7	2642.3	2680.0	2656.0	2668.0	2698.8	2728.0	2728.0	2631.2
17.5°	2578.1	2591.0	2644.0	2678.3	2642.3	2579.0	2582.4	2621.8	2691.1	2763.9	2702.3
20°	2650.9	2662.9	2715.1	2682.6	2568.7	2476.2	2473.7	2521.6	2633.8	2787.0	2778.5
22.5°	2730.5	2747.7	2791.3	2686.0	2500.2	2382.9	2382.0	2431.7	2583.3	2810.2	2865.8
25°	2843.6	2870.1	2892.4	2716.0	2463.4	2322.1	2333.2	2380.3	2567.0	2847.8	2995.1
27.5°	3011.4	3032.8	3031.1	2778.5	2461.7	2297.3	2320.4	2375.2	2596.1	2914.6	3131.2
30°	3192.9	3204.0	3186.0	2865.8	2501.1	2312.7	2346.9	2412.0	2669.7	3025.1	3331.6
32.5°	3394.1	3407.8	3373.6	2996.8	2592.7	2426.6	2501.9	2533.6	2773.3	3184.3	3544.0
35°	3625.3	3651.8	3580.8	3169.8	2862.4	2841.8	2951.4	2910.3	2993.4	3372.7	3770.9
37.5°	3868.5	3869.3	3767.4	3425.8	3391.5	3426.6	3645.8	3517.4	3460.0	3582.5	4002.0
40°	4074.8	4069.7	3913.0	3770.9	3852.2	3991.8	4256.3	4059.4	3908.7	3864.2	4193.8
42.5°	4281.2	4262.3	4103.9	3990.0	4169.9	4456.7	4755.5	4514.1	4196.4	4120.2	4383.1
45°	4544.9	4538.9	4348.0	4077.4	4456.7	4977.3	5373.7	4982.4	4366.8	4269.2	4698.2
47.5°	4970.4	4941.3	4586.0	4070.5	4725.6	5670.8	6171.7	5572.4	4485.8	4272.6	5206.8
50°	5386.6	5350.6	4870.3	4069.7	5003.0	6390.1	7113.6	6289.0	4607.4	4293.2	5723.9
52.5°	5807.0	5807.0	5336.9	4166.4	5294.1	7193.2	8201.9	7182.1	4814.6	4562.0	6360.1
55°	6057.0	6123.8	5861.8	4330.0	5634.9	8138.5	9278.1	8146.2	5134.8	5047.5	6947.5
57.5°	5739.3	5864.3	5826.7	4216.1	5836.1	8832.9	10190.9	8877.4	5293.2	5104.9	6859.3
60°	4676.7	4850.6	4937.0	3640.7	5637.4	8913.4	10381.8	8925.4	4966.2	4347.1	5875.5
62.5°	3109.0	3252.0	3383.8	2601.2	4880.5	8018.6	9182.2	8021.2	4147.6	3244.3	4070.5
65°	1525.0	1631.1	1773.3	1537.8	3812.8	6700.0	7159.0	6481.7	3000.2	1816.1	2076.4
67.5°	399.0	429.0	448.7	596.8	2731.4	4813.7	4669.0	4741.0	1927.4	593.4	542.9
70°	207.2	208.9	208.1	246.6	1846.0	3059.3	3217.7	2977.1	1345.1	248.3	214.1
72.5°	148.1	149.0	146.4	166.1	891.3	1752.7	1816.1	1796.4	704.7	147.3	146.4
75°	96.8	97.6	95.9	97.6	134.4	199.5	184.1	193.5	117.3	93.3	93.3
77.5°	57.4	58.2	57.4	59.1	57.4	57.4	53.1	53.1	50.5	50.5	51.4
80°	38.5	38.5	37.7	39.4	36.0	36.0	34.2	33.4	30.8	30.0	30.0
82.5°	23.1	24.0	23.1	23.1	21.4	21.4	19.7	18.8	16.3	16.3	15.4
85°	12.0	12.0	11.1	11.1	9.4	8.6	6.8	6.8	5.1	4.3	4.3
87.5°	1.7	1.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7
2.5°	2052.4	2035.3	2009.6	1984.7	1961.6	1937.7	1910.3	1882.0	1858.0	1833.2	1820.4
5°	2176.5	2141.4	2074.7	2015.6	1962.5	1918.8	1871.7	1831.5	1793.8	1763.0	1747.6
7.5°	2288.7	2233.9	2132.9	2039.5	1967.6	1907.7	1842.6	1782.7	1732.2	1694.5	1679.9
10°	2392.3	2327.2	2194.5	2076.4	1992.5	1925.7	1846.0	1764.7	1697.9	1648.2	1636.3
12.5°	2476.2	2401.7	2243.3	2106.3	2007.0	1935.1	1864.9	1794.7	1728.7	1664.5	1654.2
15°	2550.7	2462.5	2280.1	2125.2	2001.9	1910.3	1851.2	1842.6	1842.6	1769.8	1749.3
17.5°	2614.9	2518.2	2310.1	2133.7	1969.3	1836.6	1800.7	1875.2	1959.1	1906.8	1860.6
20°	2688.6	2571.3	2334.9	2133.7	1909.4	1743.3	1739.9	1866.6	1990.7	1991.6	1942.8
22.5°	2763.1	2632.9	2364.1	2126.0	1827.2	1635.4	1698.8	1832.3	1942.8	1989.9	1956.5
25°	2883.8	2718.5	2410.3	2120.0	1731.3	1561.8	1661.9	1787.0	1880.3	1930.0	1908.5
27.5°	3037.1	2831.6	2480.5	2129.5	1636.3	1518.1	1622.6	1727.9	1812.6	1856.3	1840.9
30°	3208.3	2961.7	2555.9	2145.7	1567.8	1495.8	1575.5	1660.2	1735.6	1779.3	1772.4
32.5°	3426.6	3103.0	2620.9	2123.5	1529.2	1484.7	1525.8	1586.6	1659.4	1686.8	1692.8
35°	3687.8	3258.8	2670.6	2036.1	1494.1	1472.7	1471.9	1509.5	1560.9	1604.6	1608.9
37.5°	3928.4	3441.2	2725.4	1886.3	1430.8	1442.8	1408.5	1430.8	1481.3	1525.0	1542.1
40°	4166.4	3626.1	2801.6	1695.3	1347.7	1376.0	1335.7	1351.1	1391.4	1448.7	1476.1
42.5°	4397.6	3793.1	2882.1	1500.1	1264.7	1282.6	1252.7	1268.1	1310.0	1382.0	1412.8
45°	4649.3	4019.2	2944.6	1316.0	1192.7	1185.0	1161.1	1183.3	1246.7	1325.4	1362.3
47.5°	5125.4	4375.4	2985.7	1193.6	1154.2	1098.5	1071.1	1119.1	1191.0	1270.7	1315.2
50°	5706.8	4890.8	2973.7	1115.7	1120.8	1009.5	1000.1	1063.4	1140.5	1223.6	1272.4
52.5°	6167.4	5396.8	2837.6	1041.2	1055.7	953.0	925.6	1018.1	1091.7	1176.5	1227.0
55°	6519.4	5567.2	2419.7	953.0	949.6	911.9	854.5	971.0	1042.9	1121.7	1176.5
57.5°	6232.5	5187.9	1793.8	831.4	810.9	830.5	774.9	891.3	983.0	1060.9	1109.7
60°	5172.5	4136.5	999.2	736.4	678.1	726.1	717.5	807.4	917.9	1000.1	1042.0
62.5°	3511.4	2754.5	592.5	582.2	549.7	618.2	663.6	722.7	831.4	898.2	937.6
65°	1750.1	1338.3	393.9	435.8	440.1	508.6	594.2	659.3	750.1	818.6	857.9
67.5°	507.7	416.1	299.7	333.1	379.3	434.1	502.6	579.7	667.9	749.2	795.4
70°	219.2	221.8	238.0	277.4	322.8	379.3	447.8	523.2	597.7	660.2	695.3
72.5°	155.0	161.0	179.0	219.2	262.0	316.0	384.4	457.2	511.2	574.5	611.4
75°	99.3	103.6	118.2	149.0	180.7	232.9	298.0	364.8	420.4	465.8	500.9
77.5°	54.8	55.7	67.6	85.6	107.0	140.4	188.4	240.6	281.7	307.4	339.1
80°	31.7	31.7	37.7	48.8	61.6	82.2	108.7	134.4	159.3	175.5	190.9
82.5°	17.1	17.1	19.7	26.5	33.4	45.4	60.8	73.6	89.0	97.6	107.9
85°	5.1	5.1	6.8	9.4	12.0	17.1	24.0	30.8	37.7	43.7	49.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7
2.5°	1817.8	1805.8	1798.9	1790.4	1793.0	1785.2	1781.0	1783.5	1768.1	1783.5	1798.9
5°	1741.6	1724.5	1710.8	1699.6	1694.5	1684.2	1678.2	1678.2	1668.8	1684.2	1703.0
7.5°	1674.8	1661.1	1654.2	1647.4	1639.7	1630.3	1620.0	1616.6	1610.6	1626.8	1643.1
10°	1630.3	1632.0	1636.3	1645.7	1644.0	1638.0	1622.6	1614.0	1614.0	1632.8	1657.7
12.5°	1650.8	1668.8	1679.1	1696.2	1699.6	1694.5	1679.1	1672.2	1689.3	1717.6	1758.7
15°	1730.4	1742.4	1751.0	1764.7	1763.8	1759.6	1747.6	1752.7	1809.2	1864.0	1900.8
17.5°	1816.9	1803.2	1801.5	1810.1	1812.6	1807.5	1800.7	1823.8	1917.1	1968.5	1987.3
20°	1879.4	1832.3	1822.1	1825.5	1832.3	1829.8	1829.8	1867.4	1964.2	1988.2	1964.2
22.5°	1898.3	1831.5	1816.1	1816.9	1826.3	1827.2	1831.5	1870.9	1927.4	1928.2	1891.4
25°	1868.3	1804.1	1793.0	1794.7	1805.8	1804.9	1806.7	1828.9	1853.7	1843.5	1816.1
27.5°	1811.8	1756.1	1752.7	1762.1	1776.7	1769.0	1763.8	1769.8	1781.8	1769.0	1745.0
30°	1747.6	1700.5	1702.2	1720.2	1735.6	1722.7	1709.9	1713.3	1714.2	1700.5	1673.1
32.5°	1679.9	1644.8	1650.8	1669.7	1687.6	1673.9	1660.2	1658.5	1642.3	1626.0	1599.4
35°	1612.3	1598.6	1606.3	1621.7	1637.1	1626.0	1617.4	1612.3	1577.2	1553.2	1530.9
37.5°	1550.6	1560.9	1574.6	1584.0	1589.2	1588.3	1583.2	1571.2	1525.0	1496.7	1467.6
40°	1495.8	1527.5	1542.1	1546.4	1554.1	1552.4	1551.5	1534.4	1473.6	1443.6	1410.2
42.5°	1446.2	1490.7	1515.5	1519.8	1524.1	1525.0	1522.4	1497.6	1428.2	1393.1	1361.4
45°	1398.2	1456.5	1488.1	1483.9	1489.8	1489.8	1492.4	1459.9	1383.7	1347.7	1314.3
47.5°	1356.3	1424.8	1453.9	1448.7	1452.2	1454.7	1457.3	1419.6	1334.9	1300.6	1266.4
50°	1317.7	1390.5	1415.4	1417.1	1417.1	1423.1	1422.2	1385.4	1293.8	1257.0	1222.7
52.5°	1276.6	1355.4	1382.0	1393.1	1396.5	1399.1	1387.1	1344.3	1251.8	1207.3	1175.6
55°	1228.7	1319.5	1343.4	1358.0	1364.8	1363.1	1346.9	1303.2	1209.0	1164.5	1128.5
57.5°	1155.9	1242.4	1276.6	1283.5	1294.6	1287.8	1268.9	1232.1	1140.5	1096.0	1059.2
60°	1076.3	1138.8	1166.2	1172.2	1163.6	1166.2	1163.6	1128.5	1048.9	1013.8	976.1
62.5°	971.8	1027.5	1056.6	1064.3	1049.7	1059.2	1055.7	1012.1	932.4	895.6	862.2
65°	893.1	953.8	988.1	992.4	988.1	992.4	980.4	927.3	852.0	814.3	780.0
67.5°	831.4	893.9	929.9	941.9	937.6	936.7	917.9	856.2	778.3	737.2	693.5
70°	725.2	780.0	826.3	855.4	855.4	839.1	803.1	745.8	683.3	648.2	613.9
72.5°	642.2	711.5	756.9	786.9	792.9	783.5	732.9	672.1	600.2	565.1	529.2
75°	529.2	596.8	645.6	685.0	692.7	682.4	624.2	564.3	497.5	463.2	427.3
77.5°	353.6	393.9	433.3	469.2	461.5	468.4	429.0	383.6	342.5	316.8	300.5
80°	199.5	226.0	238.0	257.7	257.7	257.7	232.0	210.6	187.5	173.0	156.7
82.5°	113.0	130.1	135.3	151.6	155.8	156.7	139.6	125.9	111.3	103.6	92.5
85°	52.2	61.6	62.5	71.9	75.3	82.2	74.5	65.1	56.5	53.1	46.2
87.5°	1.7	5.1	6.8	12.8	17.1	19.7	21.4	21.4	18.0	16.3	13.7
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°	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7	1919.7
2.5°	1817.8	1838.3	1862.3	1879.4	1910.3	1935.9	1962.5	1991.6	2013.0	2007.9
5°	1726.2	1760.4	1804.1	1844.3	1901.7	1959.9	2024.1	2090.1	2128.6	2126.9
7.5°	1674.8	1723.6	1776.7	1830.6	1898.3	1982.2	2080.6	2183.4	2235.6	2238.2
10°	1702.2	1754.4	1790.4	1835.8	1906.8	2012.1	2130.3	2253.6	2313.5	2325.5
12.5°	1788.7	1784.4	1781.8	1814.4	1900.0	2033.6	2178.3	2325.5	2393.2	2407.7
15°	1870.9	1782.7	1729.6	1751.9	1869.2	2047.3	2225.4	2404.3	2480.5	2495.9
17.5°	1886.3	1752.7	1654.2	1669.7	1820.4	2051.5	2270.7	2481.4	2563.6	2578.1
20°	1843.5	1714.2	1599.4	1578.0	1758.7	2040.4	2299.0	2545.6	2635.5	2650.9
22.5°	1789.5	1679.9	1558.3	1502.7	1683.4	2029.3	2330.7	2613.2	2716.8	2730.5
25°	1733.0	1636.3	1519.8	1435.0	1597.7	2022.4	2383.8	2702.3	2827.3	2843.6
27.5°	1673.1	1583.2	1486.4	1402.5	1519.0	2031.0	2459.1	2846.1	2988.3	3011.4
30°	1608.9	1530.1	1465.0	1391.4	1465.0	2038.7	2542.2	2993.4	3160.4	3192.9
32.5°	1542.1	1481.3	1442.8	1396.5	1431.6	2020.7	2614.9	3158.6	3365.9	3394.1
35°	1475.3	1431.6	1414.5	1405.9	1387.1	1954.8	2674.0	3325.6	3600.5	3625.3
37.5°	1412.8	1380.2	1375.1	1384.5	1318.6	1846.9	2742.5	3538.0	3830.8	3868.5
40°	1354.6	1324.6	1323.7	1322.0	1243.3	1699.6	2835.0	3753.7	4057.7	4074.8
42.5°	1300.6	1262.9	1269.8	1249.2	1181.6	1540.4	2922.3	3937.8	4269.2	4281.2
45°	1252.7	1203.0	1210.7	1185.0	1152.5	1373.4	2999.4	4155.3	4537.2	4544.9
47.5°	1206.4	1153.3	1131.9	1130.2	1147.4	1219.3	3074.7	4574.0	4956.7	4970.4
50°	1163.6	1106.3	1045.5	1083.1	1115.7	1103.7	3168.9	5022.7	5390.0	5386.6
52.5°	1122.5	1047.2	960.7	1033.5	1033.5	1018.1	3142.4	5294.9	5747.9	5807.0
55°	1075.4	952.1	872.5	950.4	912.7	941.0	2672.3	5384.0	5973.1	6057.0
57.5°	982.1	834.8	765.5	807.4	750.9	872.5	1919.7	4942.2	5590.3	5739.3
60°	892.2	748.3	703.0	695.3	621.6	711.5	1244.1	3869.3	4601.4	4676.7
62.5°	786.9	673.9	635.3	576.2	500.0	518.0	753.5	2546.4	3091.9	3109.0
65°	707.2	610.5	536.9	466.6	409.3	375.9	445.2	1227.8	1545.5	1525.0
67.5°	607.1	523.2	452.9	402.4	355.3	313.4	296.3	364.8	412.7	399.0
70°	540.3	459.8	392.2	344.2	300.5	258.6	228.6	214.9	210.6	207.2
72.5°	465.8	395.6	325.4	279.1	238.0	199.5	172.1	155.8	151.6	148.1
75°	371.6	305.7	241.5	197.8	161.8	134.4	116.4	102.7	100.2	96.8
77.5°	245.7	196.1	143.8	117.3	95.9	81.3	69.4	60.8	59.1	57.4
80°	135.3	113.0	88.2	71.1	57.4	49.7	45.4	40.2	39.4	38.5
82.5°	80.5	67.6	50.5	40.2	33.4	30.0	27.4	24.8	24.0	23.1
85°	40.2	31.7	22.3	18.8	17.1	15.4	15.4	12.8	12.0	12.0
87.5°	10.3	8.6	5.1	4.3	4.3	4.3	3.4	2.6	2.6	1.7
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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