

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: P633426

Luminaire Tested: GWS-SA2E-760-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633426  
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-SA2E-760-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

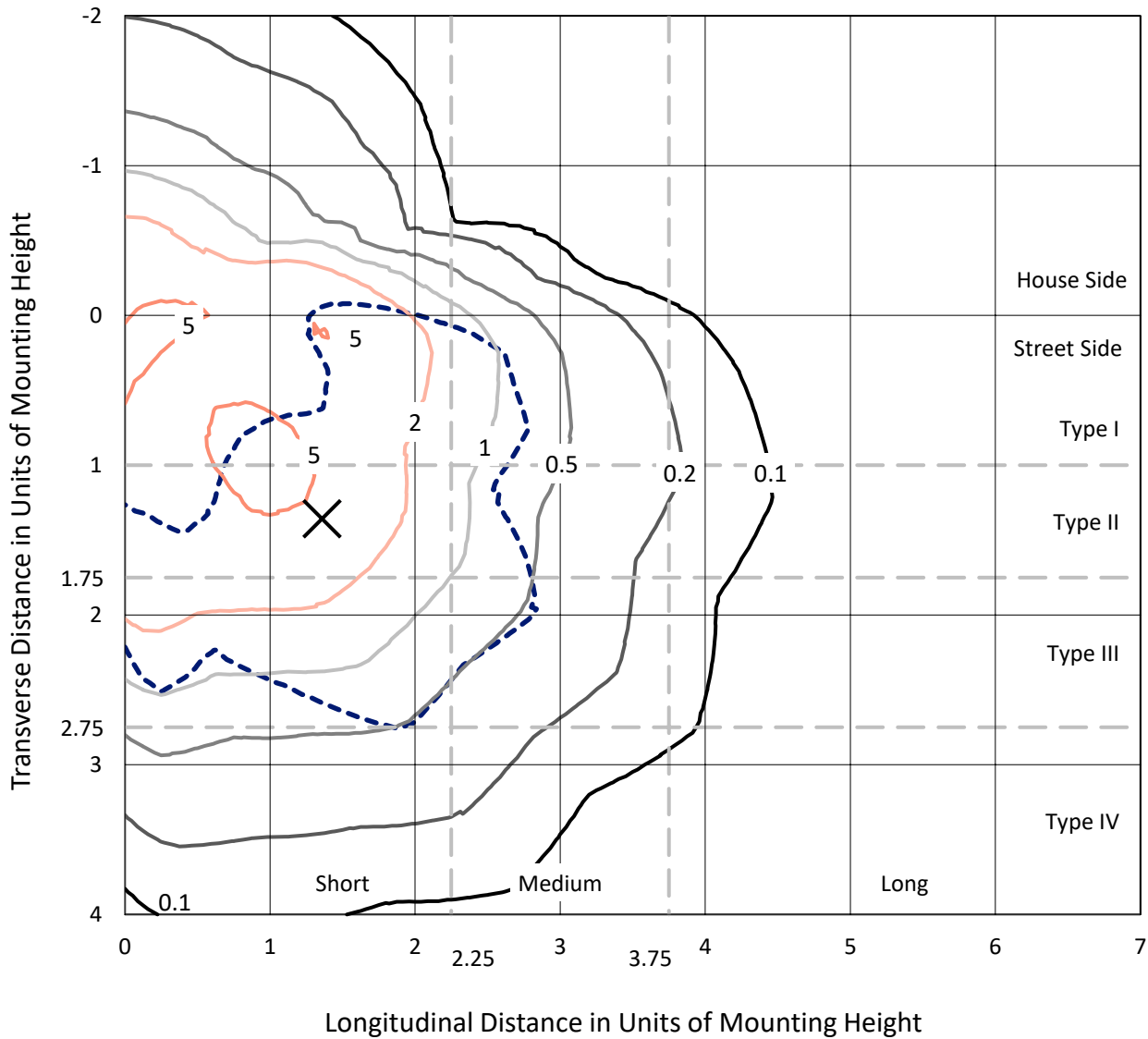
Lumens per Lamp: N/A  
Luminaire Lumens: 13938.3 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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

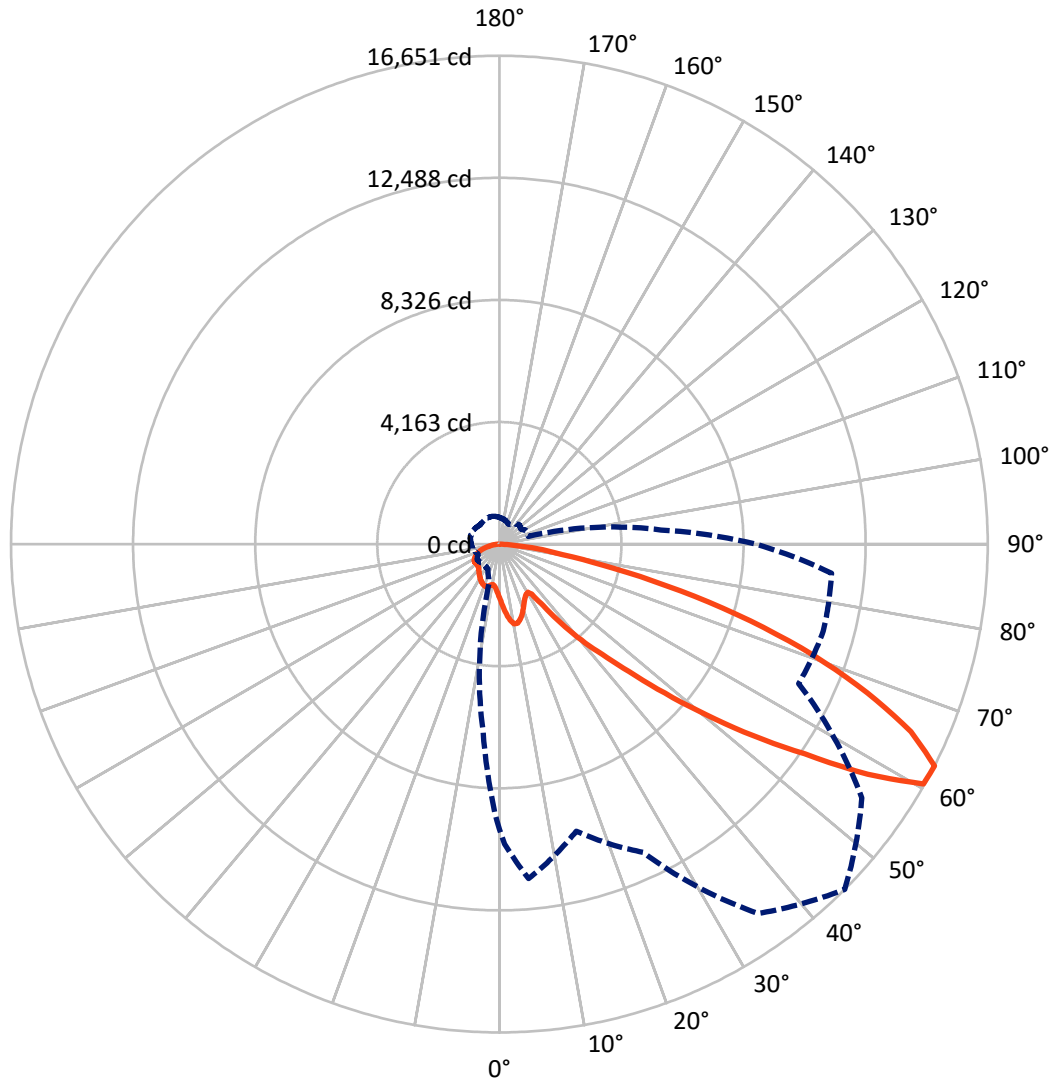
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 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
<b>House Side</b>	Lumens	3325.9	0.0	3325.9
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	10612.4	0.0	10612.4
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	13938.3	0.0	13938.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.7	1.3
10°-20°	566.4	4.1
20°-30°	879.7	6.3
30°-40°	1194.4	8.6
40°-50°	1893.0	13.6
50°-60°	3339.2	24.0
60°-70°	3715.4	26.7
70°-80°	1884.3	13.5
80°-90°	285.3	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°	13938.3	100.0
0°-180°	13938.3	100.0

**Coefficient of Utilization**



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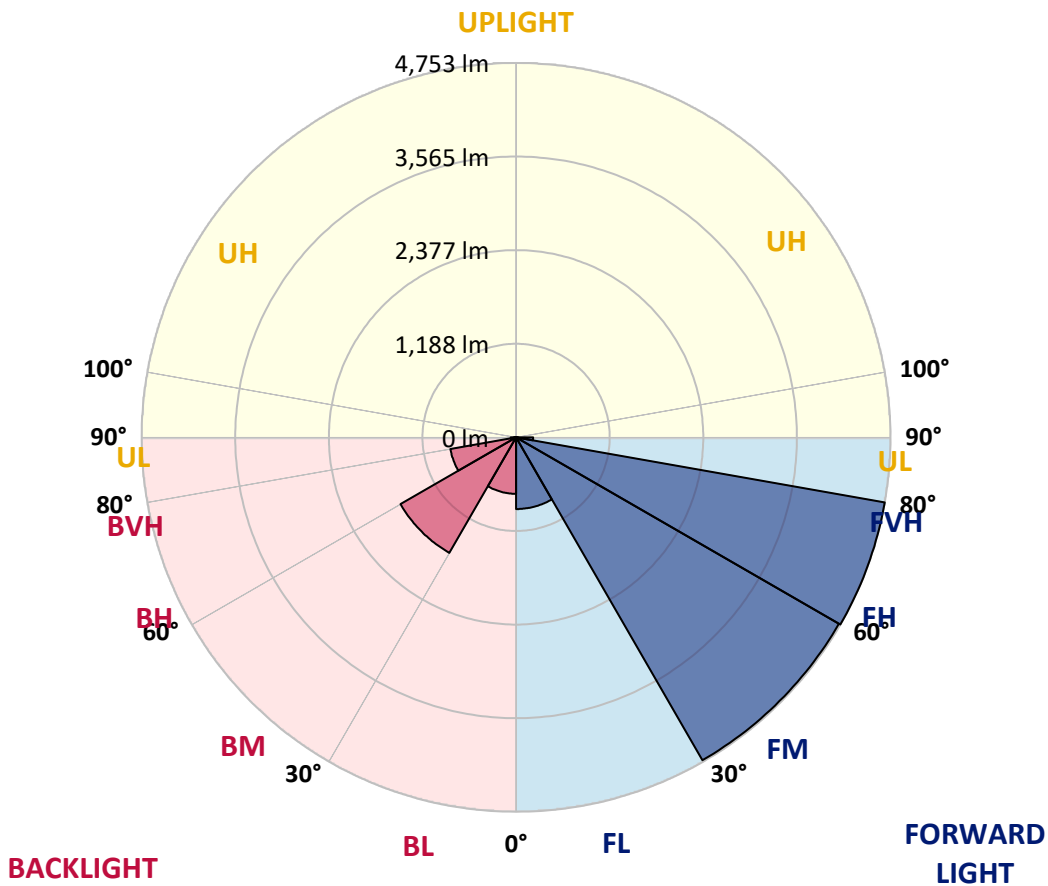
CATALOG NUMBER: GWS-SA2E-760-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	910.1	6.5			
FM (30°-60°)	4732.7	34.0			
FH (60°-80°)	4753.1	34.1			G2/5000
FVH (80°-90°)	216.6	1.6			G2/225
BL (0°-30°)	716.7	5.1	B2/1000		
BM (30°-60°)	1693.9	12.2	B2/2500		
BH (60°-80°)	846.6	6.1	B2/1000		G2/1000
BVH (80°-90°)	68.8	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9
2.5°	1988.1	1987.1	2007.1	2037.7	2066.2	2078.9	2100.0	2097.9	2081.0	2058.8	2051.5
5°	2144.3	2148.5	2183.4	2250.9	2325.8	2357.5	2371.2	2365.9	2335.3	2296.3	2227.7
7.5°	2285.7	2293.1	2346.9	2448.2	2541.1	2583.3	2617.1	2610.8	2566.4	2493.6	2392.3
10°	2389.1	2397.6	2462.0	2581.2	2684.6	2721.6	2764.8	2766.9	2727.9	2629.7	2526.3
12.5°	2492.6	2501.0	2561.2	2669.8	2737.4	2738.4	2763.8	2777.5	2779.6	2734.2	2630.8
15°	2600.2	2607.6	2662.5	2723.7	2720.5	2661.4	2661.4	2687.8	2745.8	2778.5	2706.8
17.5°	2692.0	2701.5	2743.7	2723.7	2629.7	2523.2	2510.5	2544.3	2645.6	2771.2	2763.8
20°	2768.0	2775.4	2798.6	2665.6	2494.7	2355.4	2331.1	2370.1	2507.3	2725.8	2807.0
22.5°	2840.8	2845.0	2832.4	2589.6	2349.0	2189.7	2160.1	2201.3	2349.0	2645.6	2844.0
25°	2927.3	2923.1	2863.0	2510.5	2216.1	2058.8	2028.2	2074.7	2228.7	2539.0	2884.1
27.5°	3027.6	3011.8	2889.3	2425.0	2113.7	1961.8	1940.7	1990.2	2133.8	2440.9	2915.7
30°	3113.1	3082.5	2893.6	2349.0	2061.0	1920.6	1907.9	1954.4	2087.3	2374.4	2955.8
32.5°	3208.0	3165.8	2917.8	2329.0	2090.5	2019.8	2036.7	2039.8	2100.0	2355.4	3016.0
35°	3344.2	3289.3	2984.3	2387.0	2394.4	2513.7	2574.9	2492.6	2291.0	2397.6	3129.9
37.5°	3549.9	3480.3	3119.4	2638.2	3022.3	3289.3	3437.0	3249.2	2871.4	2556.9	3302.0
40°	3800.0	3711.4	3292.5	3102.5	3609.0	4036.4	4299.2	4023.8	3468.7	2954.8	3543.6
42.5°	4149.3	4056.5	3628.0	3558.4	4152.5	4788.8	5131.8	4721.3	3995.3	3468.7	3930.9
45°	4758.2	4668.5	4243.3	4015.3	4788.8	5715.4	6196.6	5625.7	4530.3	3984.7	4654.8
47.5°	5883.2	5777.6	5157.1	4521.9	5514.9	6918.4	7591.6	6760.1	5086.4	4575.7	5870.5
50°	7233.9	7132.6	6304.2	5121.2	6316.9	8204.8	9140.8	8092.9	5727.0	5294.3	7323.6
52.5°	8859.0	8840.0	7940.9	5878.9	7151.6	9576.6	10859.8	9569.2	6428.7	6262.0	8969.8
55°	10323.8	10509.5	10019.8	7034.5	8230.1	11299.9	12627.4	11179.6	7380.6	7861.8	10897.8
57.5°	11113.1	11612.2	12364.7	9391.9	9798.2	13359.8	14808.7	13145.6	9016.3	10525.3	12685.5
60°	10591.8	11157.4	12520.8	11166.9	11353.7	15010.2	16609.0	14798.1	10622.4	12374.2	12584.2
62.5°	9724.4	10231.9	11444.5	10130.6	11594.3	15373.2	16651.2	15086.2	11260.8	11436.0	11367.4
65°	8695.5	9207.3	10491.5	8843.2	10829.2	14511.1	15422.8	14238.8	10113.8	10332.2	10357.5
67.5°	7328.9	7801.6	9109.1	7862.9	9871.0	13245.8	13537.1	13031.6	9313.9	9662.1	9298.0
70°	5475.8	5902.2	7056.6	6389.7	8320.8	11597.5	11362.1	11437.1	8415.8	8761.9	7766.8
72.5°	3742.0	4062.8	5052.7	5021.0	6371.8	9284.3	8956.1	9666.3	7029.2	7488.2	5921.1
75°	2617.1	2867.2	3652.3	3966.8	4816.3	6881.4	6378.1	7235.0	5489.5	6144.9	4320.3
77.5°	1606.1	1771.8	2306.8	2938.9	3098.3	4709.7	3961.5	5444.2	3854.9	4481.8	2882.0
80°	803.1	883.3	1120.7	1847.8	2054.6	2775.4	2187.6	3160.5	2608.6	2775.4	1594.5
82.5°	242.7	268.0	328.2	701.8	1064.8	1597.7	1292.7	1836.2	1424.6	1301.2	627.9
85°	64.4	72.8	90.8	207.9	373.6	573.0	436.9	889.6	682.8	480.2	236.4
87.5°	5.3	5.3	4.2	4.2	2.1	0.0	0.0	63.3	127.7	72.8	41.2
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°	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9
2.5°	2014.5	2010.3	1967.0	1935.4	1898.4	1862.6	1825.6	1792.9	1756.0	1719.0	1708.5
5°	2177.0	2147.5	2055.7	1978.6	1902.7	1836.2	1778.1	1718.0	1669.4	1622.0	1604.0
7.5°	2320.5	2268.8	2135.9	2018.7	1913.2	1830.9	1745.4	1657.8	1589.2	1521.7	1504.8
10°	2450.3	2381.8	2214.0	2066.2	1949.1	1855.2	1754.9	1637.8	1538.6	1456.3	1434.1
12.5°	2546.4	2471.5	2281.5	2111.6	1978.6	1873.1	1773.9	1670.5	1566.0	1459.4	1435.2
15°	2622.4	2544.3	2337.4	2146.4	1979.7	1843.6	1747.5	1711.7	1678.9	1574.5	1530.1
17.5°	2683.6	2601.3	2386.0	2167.5	1951.2	1753.9	1670.5	1723.3	1806.6	1741.2	1657.8
20°	2739.5	2656.1	2422.9	2182.3	1887.9	1630.4	1584.0	1695.8	1821.4	1819.3	1744.4
22.5°	2800.7	2719.4	2476.7	2190.8	1799.2	1504.8	1532.3	1655.7	1758.1	1788.7	1742.3
25°	2878.8	2807.0	2551.7	2209.7	1699.0	1418.3	1494.3	1604.0	1689.5	1696.9	1669.4
27.5°	2969.5	2915.7	2663.5	2254.1	1601.9	1374.0	1449.9	1531.2	1609.3	1612.5	1579.7
30°	3068.7	3032.9	2766.9	2291.0	1529.1	1360.2	1393.0	1458.4	1508.0	1516.4	1487.9
32.5°	3195.4	3163.7	2858.7	2266.7	1485.8	1357.1	1340.2	1374.0	1415.1	1415.1	1393.0
35°	3369.5	3325.2	2955.8	2173.9	1433.1	1344.4	1284.3	1293.8	1311.7	1314.9	1302.2
37.5°	3616.4	3543.6	3054.0	1990.2	1346.5	1299.0	1219.9	1208.3	1214.6	1223.1	1219.9
40°	3922.5	3803.2	3197.5	1769.7	1243.1	1211.5	1153.4	1131.3	1126.0	1142.9	1149.2
42.5°	4307.6	4125.1	3351.6	1563.9	1149.2	1111.2	1075.3	1056.3	1047.9	1076.4	1093.3
45°	4922.9	4622.1	3499.3	1360.2	1096.4	1025.7	1001.5	987.7	992.0	1025.7	1046.8
47.5°	5985.5	5380.8	3639.6	1231.5	1092.2	964.5	935.0	938.1	949.7	985.6	1011.0
50°	7329.9	6397.1	3733.6	1177.7	1104.9	927.6	888.5	905.4	923.4	958.2	987.7
52.5°	8698.6	7343.7	3621.7	1148.1	1103.8	928.6	845.3	895.9	904.4	939.2	970.9
55°	9639.9	7449.2	3128.9	1102.8	1086.9	970.9	811.5	891.7	897.0	928.6	957.1
57.5°	9998.7	7088.3	2386.0	1115.4	1036.3	1003.6	796.7	862.2	900.1	927.6	957.1
60°	9565.0	6407.6	1449.9	1148.1	955.0	1001.5	806.2	808.3	873.8	920.2	949.7
62.5°	8747.2	5533.9	1018.3	1055.3	895.9	945.5	828.4	745.0	827.3	883.3	909.6
65°	7810.1	4506.0	776.7	908.6	867.4	859.0	835.8	689.1	764.0	818.9	842.1
67.5°	6834.0	3502.5	631.1	677.5	784.1	776.7	764.0	639.5	689.1	728.1	754.5
70°	5604.6	2450.3	532.9	508.6	672.2	696.5	668.0	577.2	593.1	633.2	654.3
72.5°	4099.7	1527.0	437.9	420.0	540.3	608.9	594.1	508.6	516.0	554.0	570.9
75°	2948.4	873.8	351.4	346.1	412.6	521.3	491.8	437.9	446.4	474.9	486.5
77.5°	1874.2	486.5	271.2	278.6	295.5	389.4	420.0	374.6	374.6	391.5	401.0
80°	1003.6	278.6	198.4	201.6	206.8	297.6	331.4	290.2	290.2	278.6	290.2
82.5°	409.4	160.4	136.1	126.6	138.2	203.7	232.2	184.7	193.1	174.1	178.3
85°	135.1	80.2	67.5	66.5	65.4	89.7	111.9	91.8	109.7	69.6	72.8
87.5°	17.9	14.8	8.4	6.3	7.4	3.2	6.3	7.4	7.4	5.3	5.3
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9
2.5°	1701.1	1692.7	1662.1	1669.4	1664.2	1655.7	1664.2	1648.3	1661.0	1665.2	1691.6
5°	1590.3	1570.2	1540.7	1525.9	1522.8	1514.3	1515.4	1508.0	1510.1	1528.0	1557.6
7.5°	1491.1	1472.1	1448.9	1438.3	1428.8	1419.3	1418.3	1417.2	1425.7	1441.5	1470.0
10°	1419.3	1408.8	1399.3	1403.5	1399.3	1395.1	1387.7	1387.7	1401.4	1429.9	1464.7
12.5°	1419.3	1417.2	1419.3	1432.0	1431.0	1432.0	1422.5	1427.8	1465.8	1514.3	1563.9
15°	1495.3	1478.4	1478.4	1484.8	1482.7	1482.7	1482.7	1504.8	1591.4	1666.3	1719.0
17.5°	1588.2	1538.6	1517.5	1514.3	1513.3	1513.3	1517.5	1565.0	1700.0	1779.2	1809.8
20°	1652.6	1558.6	1523.8	1510.1	1511.2	1513.3	1525.9	1591.4	1740.1	1780.2	1772.9
22.5°	1664.2	1542.8	1500.6	1480.6	1483.7	1485.8	1504.8	1574.5	1685.3	1691.6	1676.8
25°	1610.3	1498.5	1453.1	1437.3	1441.5	1440.5	1457.3	1508.0	1587.1	1585.0	1576.6
27.5°	1530.1	1427.8	1394.0	1383.5	1390.9	1382.4	1387.7	1426.7	1487.9	1485.8	1482.7
30°	1447.8	1359.2	1328.6	1323.3	1332.8	1320.1	1321.2	1353.9	1396.1	1394.0	1393.0
32.5°	1365.5	1290.6	1263.2	1263.2	1272.7	1258.9	1261.1	1289.5	1318.0	1309.6	1309.6
35°	1287.4	1234.7	1212.5	1208.3	1215.7	1206.2	1210.4	1236.8	1247.3	1235.7	1228.3
37.5°	1218.8	1195.6	1173.5	1158.7	1159.7	1160.8	1173.5	1193.5	1187.2	1170.3	1160.8
40°	1155.5	1155.5	1134.4	1107.0	1103.8	1111.2	1132.3	1154.5	1136.5	1117.5	1105.9
42.5°	1110.1	1119.6	1099.6	1072.2	1065.8	1078.5	1101.7	1117.5	1096.4	1075.3	1059.5
45°	1067.9	1091.2	1077.4	1046.8	1038.4	1053.2	1082.7	1089.0	1060.6	1040.5	1028.9
47.5°	1038.4	1070.0	1060.6	1031.0	1018.3	1039.4	1070.0	1069.0	1033.1	1012.0	1002.5
50°	1017.3	1057.4	1056.3	1031.0	1017.3	1043.7	1071.1	1057.4	1018.3	996.2	986.7
52.5°	1000.4	1056.3	1063.7	1048.9	1039.4	1062.7	1079.5	1053.2	1007.8	984.6	977.2
55°	993.0	1060.6	1065.8	1052.1	1043.7	1064.8	1079.5	1061.6	1007.8	986.7	980.4
57.5°	995.1	1055.3	1056.3	1037.3	1022.6	1048.9	1072.2	1066.9	1019.4	995.1	987.7
60°	982.5	1026.8	1028.9	999.3	982.5	1014.1	1055.3	1052.1	1014.1	988.8	975.1
62.5°	940.3	979.3	980.4	952.9	928.6	974.0	1019.4	1018.3	983.5	958.2	942.4
65°	869.5	910.7	921.3	894.9	875.9	924.4	971.9	969.8	935.0	911.8	895.9
67.5°	782.0	826.3	846.3	828.4	821.0	865.3	909.6	908.6	880.1	857.9	844.2
70°	675.4	712.3	746.1	746.1	740.8	791.5	838.9	834.7	808.3	791.5	780.9
72.5°	586.7	615.2	625.8	636.3	652.2	704.9	745.0	748.2	729.2	720.8	729.2
75°	499.1	517.1	526.6	518.1	545.6	600.5	653.2	658.5	638.4	624.7	627.9
77.5°	410.5	430.6	440.0	421.1	418.9	488.6	553.0	564.6	547.7	526.6	532.9
80°	296.5	322.9	338.7	326.1	321.9	352.5	441.1	453.8	437.9	421.1	430.6
82.5°	181.5	196.3	200.5	213.2	239.5	252.2	283.9	326.1	314.5	299.7	326.1
85°	71.8	85.5	95.0	107.6	125.6	148.8	175.2	208.9	189.9	183.6	216.3
87.5°	4.2	1.1	0.0	2.1	17.9	34.8	74.9	103.4	86.5	92.9	111.9
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°	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9	1849.9
2.5°	1712.7	1740.1	1777.1	1807.7	1846.7	1883.7	1921.7	1959.6	1979.7	1988.1
5°	1591.4	1642.0	1701.1	1766.5	1842.5	1922.7	2004.0	2087.3	2140.1	2144.3
7.5°	1518.5	1591.4	1672.6	1754.9	1848.8	1959.6	2088.4	2217.1	2271.0	2285.7
10°	1541.8	1623.0	1687.4	1764.4	1867.8	2006.1	2158.0	2308.9	2371.2	2389.1
12.5°	1634.6	1650.5	1670.5	1741.2	1867.8	2046.2	2229.8	2409.2	2475.7	2492.6
15°	1711.7	1635.7	1599.8	1674.7	1842.5	2081.0	2305.8	2504.2	2584.4	2600.2
17.5°	1718.0	1587.1	1509.0	1576.6	1798.2	2105.3	2378.6	2609.7	2677.2	2692.0
20°	1653.6	1535.4	1434.1	1475.3	1738.0	2115.8	2431.4	2686.7	2753.2	2768.0
22.5°	1580.8	1493.2	1383.5	1381.4	1665.2	2127.4	2494.7	2759.5	2831.3	2840.8
25°	1512.2	1435.2	1342.3	1312.8	1580.8	2149.6	2580.1	2869.3	2924.2	2927.3
27.5°	1432.0	1372.9	1309.6	1281.1	1506.9	2191.8	2706.8	3000.1	3032.9	3027.6
30°	1359.2	1314.9	1286.4	1277.9	1460.5	2223.5	2827.1	3128.9	3131.0	3113.1
32.5°	1282.2	1265.3	1265.3	1292.7	1422.5	2216.1	2925.2	3254.5	3234.4	3208.0
35°	1213.6	1216.7	1238.9	1303.3	1359.2	2142.2	3019.1	3411.7	3382.2	3344.2
37.5°	1148.1	1172.4	1204.1	1266.3	1275.8	2032.5	3128.9	3634.4	3597.4	3549.9
40°	1092.2	1129.1	1166.1	1196.7	1187.2	1876.3	3281.9	3896.1	3854.9	3800.0
42.5°	1047.9	1083.8	1124.9	1128.1	1131.3	1713.8	3444.4	4216.9	4209.5	4149.3
45°	1019.4	1042.6	1081.7	1076.4	1128.1	1534.4	3594.3	4706.5	4803.6	4758.2
47.5°	1000.4	1018.3	1022.6	1044.7	1155.5	1374.0	3787.4	5664.7	5934.9	5883.2
50°	989.8	1007.8	960.3	1046.8	1159.7	1270.6	4054.4	6867.7	7302.5	7233.9
52.5°	988.8	984.6	912.8	1069.0	1136.5	1207.2	4193.7	7745.7	8710.2	8859.0
55°	990.9	938.1	888.5	1075.3	1090.1	1184.0	3727.2	8167.8	10009.3	10323.8
57.5°	971.9	887.5	902.3	1050.0	1002.5	1246.3	2755.3	8016.9	10528.5	11113.1
60°	936.0	838.9	927.6	981.4	912.8	1139.7	1897.4	7343.7	9990.3	10591.8
62.5°	884.3	805.2	924.4	892.8	880.1	932.9	1304.3	6401.3	9136.6	9724.4
65°	826.3	777.7	874.8	807.3	814.7	717.6	922.3	5337.6	8117.2	8695.5
67.5°	764.0	760.9	802.0	718.6	688.0	568.8	672.2	4278.1	6807.6	7328.9
70°	693.3	716.5	729.2	638.4	558.2	446.4	499.1	2991.7	5022.1	5475.8
72.5°	622.6	624.7	642.7	555.1	417.9	357.7	374.6	1811.9	3411.7	3742.0
75°	550.9	530.8	547.7	451.7	311.3	293.4	289.1	1119.6	2356.4	2617.1
77.5°	473.8	451.7	429.5	339.8	250.1	226.9	221.6	627.9	1445.7	1606.1
80°	385.2	355.6	320.8	249.0	182.6	162.5	161.5	306.0	720.8	803.1
82.5°	299.7	243.8	234.3	155.1	112.9	99.2	105.5	117.1	217.4	242.7
85°	210.0	177.3	124.5	62.3	50.7	41.2	40.1	34.8	58.0	64.4
87.5°	117.1	77.0	40.1	7.4	8.4	9.5	7.4	5.3	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)