

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: P633371

Luminaire Tested: GWS-SA2E-750-U-SLR-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633371  
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-750-U-SLR-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

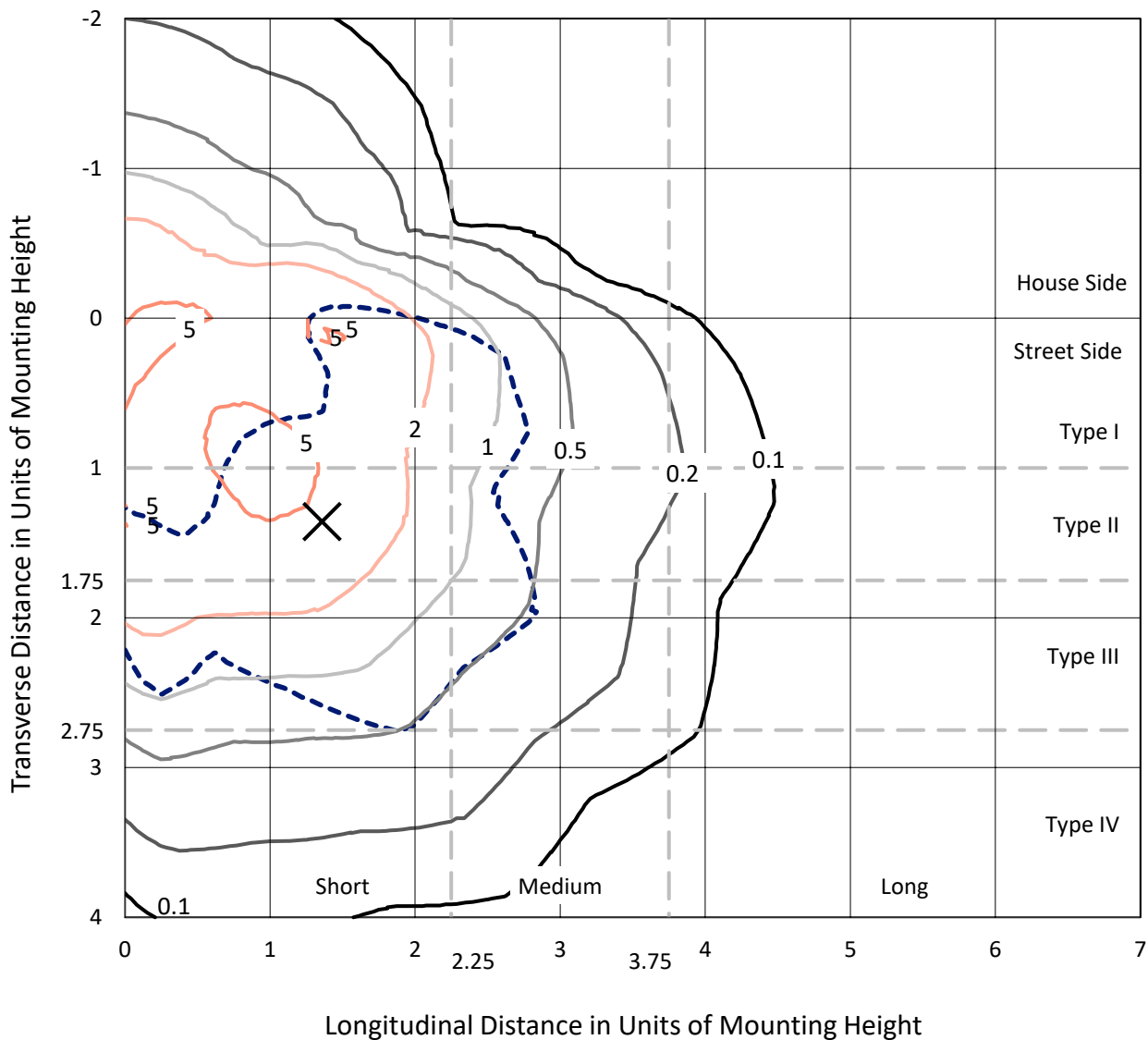
Lumens per Lamp: N/A  
Luminaire Lumens: 14132 lumens  
Efficiency: N/A  
Efficacy: 130.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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

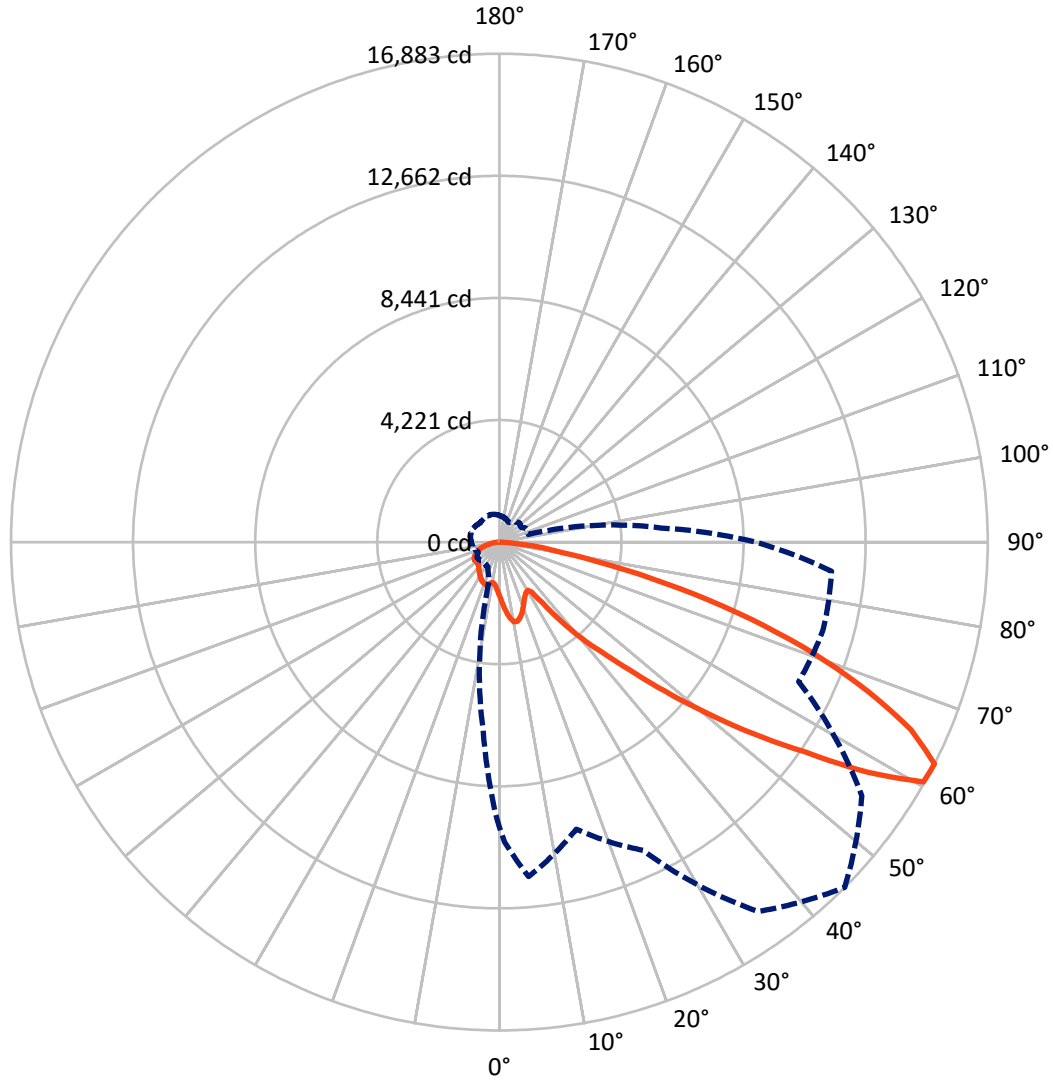
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 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	3372.2	0.0	3372.2
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	10759.8	0.0	10759.8
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	14132.0	0.0	14132.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.2	1.3
10°-20°	574.2	4.1
20°-30°	891.9	6.3
30°-40°	1211.0	8.6
40°-50°	1919.3	13.6
50°-60°	3385.6	24.0
60°-70°	3767.0	26.7
70°-80°	1910.5	13.5
80°-90°	289.3	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°	14132.0	100.0
0°-180°	14132.0	100.0

**Coefficient of Utilization**



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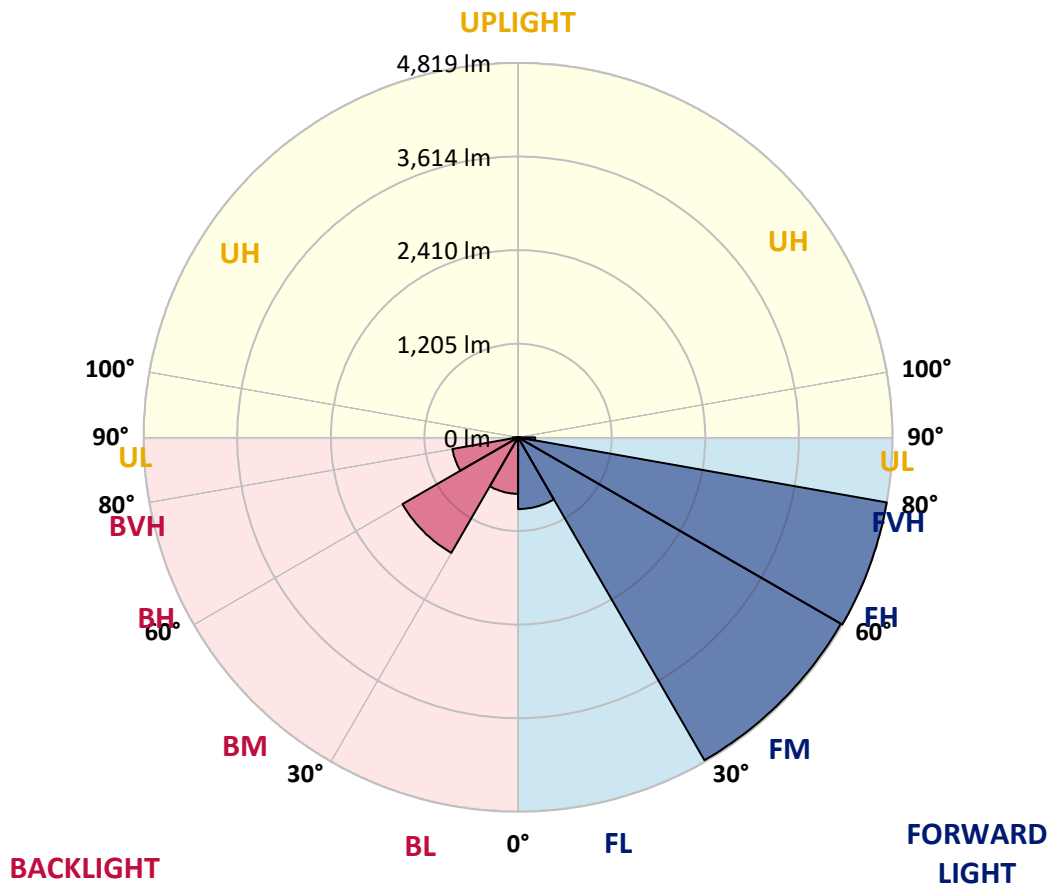
CATALOG NUMBER: GWS-SA2E-750-U-SLR-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	922.7	6.5			
FM (30°-60°)	4798.4	34.0			
FH (60°-80°)	4819.1	34.1			G2/5000
FVH (80°-90°)	219.6	1.6			G2/225
BL (0°-30°)	726.6	5.1	B2/1000		
BM (30°-60°)	1717.5	12.2	B2/2500		
BH (60°-80°)	858.4	6.1	B2/1000		G2/1000
BVH (80°-90°)	69.7	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°	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6
2.5°	2015.8	2014.7	2035.0	2066.1	2094.9	2107.8	2129.2	2127.0	2109.9	2087.5	2080.0
5°	2174.1	2178.4	2213.7	2282.2	2358.1	2390.2	2404.2	2398.8	2367.8	2328.2	2258.6
7.5°	2317.5	2325.0	2379.5	2482.3	2576.4	2619.2	2653.5	2647.0	2602.1	2528.3	2425.6
10°	2422.3	2430.9	2496.2	2617.1	2721.9	2759.4	2803.2	2805.4	2765.8	2666.3	2561.4
12.5°	2527.2	2535.8	2596.7	2706.9	2775.4	2776.5	2802.2	2816.1	2818.2	2772.2	2667.4
15°	2636.3	2643.8	2699.5	2761.5	2758.3	2698.4	2698.4	2725.1	2784.0	2817.2	2744.4
17.5°	2729.4	2739.0	2781.8	2761.5	2666.3	2558.2	2545.4	2579.6	2682.3	2809.7	2802.2
20°	2806.5	2813.9	2837.5	2702.7	2529.3	2388.1	2363.5	2403.1	2542.2	2763.7	2846.0
22.5°	2880.3	2884.6	2871.7	2625.6	2381.7	2220.1	2190.2	2231.9	2381.7	2682.3	2883.5
25°	2968.0	2963.7	2902.7	2545.4	2246.9	2087.5	2056.4	2103.5	2259.7	2574.3	2924.1
27.5°	3069.7	3053.6	2929.5	2458.7	2143.1	1989.0	1967.6	2017.9	2163.4	2474.8	2956.2
30°	3156.3	3125.3	2933.8	2381.7	2089.6	1947.3	1934.5	1981.5	2116.3	2407.4	2996.9
32.5°	3252.6	3209.8	2958.4	2361.4	2119.6	2047.9	2065.0	2068.2	2129.2	2388.1	3057.9
35°	3390.6	3335.0	3025.8	2420.2	2427.7	2548.6	2610.7	2527.2	2322.8	2430.9	3173.4
37.5°	3599.3	3528.7	3162.7	2674.9	3064.3	3335.0	3484.8	3294.3	2911.3	2592.5	3347.8
40°	3852.9	3763.0	3338.2	3145.6	3659.2	4092.5	4358.9	4079.7	3516.9	2995.8	3592.9
42.5°	4207.0	4112.8	3678.5	3607.8	4210.2	4855.4	5203.1	4786.9	4050.8	3516.9	3985.5
45°	4824.4	4733.4	4302.2	4071.1	4855.4	5794.8	6282.7	5703.9	4593.3	4040.1	4719.5
47.5°	5964.9	5857.9	5228.8	4584.7	5591.5	7014.5	7697.1	6854.0	5157.1	4639.3	5952.1
50°	7334.4	7231.7	6391.8	5192.4	6404.7	8318.8	9267.8	8205.4	5806.6	5367.9	7425.4
52.5°	8982.1	8962.9	8051.3	5960.6	7251.0	9709.7	11010.8	9702.2	6518.1	6349.0	9094.5
55°	10467.2	10655.5	10159.1	7132.2	8344.5	11456.9	12802.9	11334.9	7483.2	7971.1	11049.3
57.5°	11267.5	11773.6	12536.5	9522.5	9934.4	13545.4	15014.5	13328.2	9141.6	10671.6	12861.7
60°	10739.0	11312.5	12694.8	11322.1	11511.5	15218.8	16839.8	15003.8	10770.0	12546.1	12759.0
62.5°	9859.5	10374.1	11603.5	10271.4	11755.4	15586.9	16882.6	15295.9	11417.3	11594.9	11525.4
65°	8816.3	9335.2	10637.3	8966.1	10979.7	14712.7	15637.2	14436.7	10254.3	10475.8	10501.5
67.5°	7430.7	7910.1	9235.7	7972.1	10008.2	13429.9	13725.2	13212.7	9443.3	9796.4	9427.2
70°	5551.9	5984.2	7154.7	6478.5	8436.5	11758.6	11520.0	11596.0	8532.8	8883.7	7874.8
72.5°	3794.0	4119.3	5122.9	5090.8	6460.3	9413.3	9080.6	9800.7	7126.9	7592.3	6003.4
75°	2653.5	2907.0	3703.1	4021.9	4883.2	6977.1	6466.7	7335.5	5565.8	6230.3	4380.3
77.5°	1628.4	1796.4	2338.9	2979.8	3141.3	4775.1	4016.6	5519.8	3908.5	4544.0	2922.0
80°	814.2	895.5	1136.3	1873.5	2083.2	2813.9	2218.0	3204.5	2644.9	2813.9	1616.7
82.5°	246.1	271.8	332.8	711.5	1079.6	1619.9	1310.7	1861.7	1444.4	1319.2	636.6
85°	65.3	73.8	92.0	210.8	378.8	581.0	443.0	902.0	692.3	486.8	239.7
87.5°	5.3	5.3	4.3	4.3	2.1	0.0	0.0	64.2	129.5	73.8	41.7
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°	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6
2.5°	2042.5	2038.2	1994.4	1962.3	1924.8	1888.4	1851.0	1817.8	1780.4	1742.9	1732.2
5°	2207.3	2177.3	2084.2	2006.1	1929.1	1861.7	1802.8	1741.9	1692.6	1644.5	1626.3
7.5°	2352.8	2300.4	2165.6	2046.8	1939.8	1856.3	1769.7	1680.9	1611.3	1542.9	1525.7
10°	2484.4	2414.9	2244.7	2094.9	1976.2	1881.0	1779.3	1660.5	1560.0	1476.5	1454.0
12.5°	2581.8	2505.8	2313.2	2141.0	2006.1	1899.1	1798.6	1693.7	1587.8	1479.7	1455.1
15°	2658.8	2579.6	2369.9	2176.3	2007.2	1869.2	1771.8	1735.4	1702.3	1596.4	1551.4
17.5°	2720.9	2637.4	2419.1	2197.7	1978.3	1778.2	1693.7	1747.2	1831.7	1765.4	1680.9
20°	2777.6	2693.0	2456.6	2212.6	1914.1	1653.1	1606.0	1719.4	1846.7	1844.6	1768.6
22.5°	2839.6	2757.2	2511.1	2221.2	1824.2	1525.7	1553.6	1678.7	1782.5	1813.5	1766.5
25°	2918.8	2846.0	2587.1	2240.5	1722.6	1438.0	1515.0	1626.3	1713.0	1720.5	1692.6
27.5°	3010.8	2956.2	2700.5	2285.4	1624.2	1393.1	1470.1	1552.5	1631.7	1634.9	1601.7
30°	3111.4	3075.0	2805.4	2322.8	1550.3	1379.2	1412.3	1478.7	1528.9	1537.5	1508.6
32.5°	3239.8	3207.7	2898.5	2298.2	1506.5	1375.9	1358.8	1393.1	1434.8	1434.8	1412.3
35°	3416.3	3371.4	2996.9	2204.1	1453.0	1363.1	1302.1	1311.7	1329.9	1333.1	1320.3
37.5°	3666.7	3592.9	3096.4	2017.9	1365.2	1317.1	1236.9	1225.1	1231.5	1240.1	1236.9
40°	3977.0	3856.1	3241.9	1794.3	1260.4	1228.3	1169.4	1147.0	1141.6	1158.7	1165.2
42.5°	4367.5	4182.4	3398.1	1585.7	1165.2	1126.6	1090.3	1071.0	1062.5	1091.3	1108.5
45°	4991.3	4686.3	3547.9	1379.2	1111.7	1040.0	1015.4	1001.5	1005.7	1040.0	1061.4
47.5°	6068.7	5455.6	3690.2	1248.6	1107.4	977.9	948.0	951.2	962.9	999.3	1025.0
50°	7431.8	6486.0	3785.4	1194.1	1120.2	940.5	900.9	918.0	936.2	971.5	1001.5
52.5°	8819.5	7445.7	3672.0	1164.1	1119.2	941.5	857.0	908.4	916.9	952.2	984.3
55°	9773.9	7552.7	3172.4	1118.1	1102.0	984.3	822.8	904.1	909.4	941.5	970.4
57.5°	10137.7	7186.8	2419.1	1130.9	1050.7	1017.5	807.8	874.1	912.7	940.5	970.4
60°	9697.9	6496.7	1470.1	1164.1	968.3	1015.4	817.4	819.6	885.9	933.0	962.9
62.5°	8868.7	5610.8	1032.5	1069.9	908.4	958.7	839.9	755.4	838.8	895.5	922.3
65°	7918.6	4568.6	787.5	921.2	879.5	870.9	847.4	698.7	774.6	830.3	853.8
67.5°	6928.9	3551.1	639.8	686.9	795.0	787.5	774.6	648.4	698.7	738.3	765.0
70°	5682.5	2484.4	540.3	515.7	681.6	706.2	677.3	585.3	601.3	642.0	663.4
72.5°	4156.7	1548.2	444.0	425.8	547.8	617.4	602.4	515.7	523.2	561.7	578.8
75°	2989.4	885.9	356.3	350.9	418.3	528.6	498.6	444.0	452.6	481.5	493.2
77.5°	1900.2	493.2	275.0	282.5	299.6	394.8	425.8	379.8	379.8	396.9	406.6
80°	1017.5	282.5	201.1	204.4	209.7	301.7	336.0	294.2	294.2	282.5	294.2
82.5°	415.1	162.6	138.0	128.4	140.2	206.5	235.4	187.2	195.8	176.5	180.8
85°	137.0	81.3	68.5	67.4	66.3	90.9	113.4	93.1	111.3	70.6	73.8
87.5°	18.2	15.0	8.6	6.4	7.5	3.2	6.4	7.5	7.5	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°	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6
2.5°	1724.7	1716.2	1685.2	1692.6	1687.3	1678.7	1687.3	1671.2	1684.1	1688.4	1715.1
5°	1612.4	1592.1	1562.1	1547.1	1543.9	1535.4	1536.4	1528.9	1531.1	1549.3	1579.2
7.5°	1511.8	1492.6	1469.0	1458.3	1448.7	1439.1	1438.0	1436.9	1445.5	1461.5	1490.4
10°	1439.1	1428.4	1418.7	1423.0	1418.7	1414.5	1407.0	1407.0	1420.9	1449.8	1485.1
12.5°	1439.1	1436.9	1439.1	1451.9	1450.8	1451.9	1442.3	1447.6	1486.1	1535.4	1585.7
15°	1516.1	1499.0	1499.0	1505.4	1503.3	1503.3	1503.3	1525.7	1613.5	1689.4	1742.9
17.5°	1610.3	1560.0	1538.6	1535.4	1534.3	1534.3	1538.6	1586.7	1723.7	1803.9	1834.9
20°	1675.5	1580.3	1545.0	1531.1	1532.2	1534.3	1547.1	1613.5	1764.3	1805.0	1797.5
22.5°	1687.3	1564.3	1521.5	1501.1	1504.3	1506.5	1525.7	1596.4	1708.7	1715.1	1700.1
25°	1632.7	1519.3	1473.3	1457.3	1461.5	1460.5	1477.6	1528.9	1609.2	1607.1	1598.5
27.5°	1551.4	1447.6	1413.4	1402.7	1410.2	1401.6	1407.0	1446.6	1508.6	1506.5	1503.3
30°	1468.0	1378.1	1347.1	1341.7	1351.3	1338.5	1339.6	1372.7	1415.5	1413.4	1412.3
32.5°	1384.5	1308.5	1280.7	1280.7	1290.3	1276.4	1278.6	1307.5	1336.4	1327.8	1327.8
35°	1305.3	1251.8	1229.4	1225.1	1232.6	1222.9	1227.2	1254.0	1264.7	1252.9	1245.4
37.5°	1235.8	1212.2	1189.8	1174.8	1175.9	1176.9	1189.8	1210.1	1203.7	1186.6	1176.9
40°	1171.6	1171.6	1150.2	1122.4	1119.2	1126.6	1148.0	1170.5	1152.3	1133.1	1121.3
42.5°	1125.6	1135.2	1114.9	1087.1	1080.6	1093.5	1117.0	1133.1	1111.7	1090.3	1074.2
45°	1082.8	1106.3	1092.4	1061.4	1052.8	1067.8	1097.8	1104.2	1075.3	1055.0	1043.2
47.5°	1052.8	1084.9	1075.3	1045.3	1032.5	1053.9	1084.9	1083.8	1047.5	1026.1	1016.4
50°	1031.4	1072.1	1071.0	1045.3	1031.4	1058.2	1086.0	1072.1	1032.5	1010.0	1000.4
52.5°	1014.3	1071.0	1078.5	1063.5	1053.9	1077.4	1094.5	1067.8	1021.8	998.3	990.8
55°	1006.8	1075.3	1080.6	1066.7	1058.2	1079.6	1094.5	1076.4	1021.8	1000.4	994.0
57.5°	1009.0	1069.9	1071.0	1051.8	1036.8	1063.5	1087.1	1081.7	1033.6	1009.0	1001.5
60°	996.1	1041.1	1043.2	1013.2	996.1	1028.2	1069.9	1066.7	1028.2	1002.5	988.6
62.5°	953.3	992.9	994.0	966.2	941.5	987.6	1033.6	1032.5	997.2	971.5	955.5
65°	881.6	923.4	934.1	907.3	888.1	937.3	985.4	983.3	948.0	924.4	908.4
67.5°	792.8	837.8	858.1	839.9	832.4	877.4	922.3	921.2	892.3	869.9	856.0
70°	684.8	722.2	756.4	756.4	751.1	802.5	850.6	846.3	819.6	802.5	791.8
72.5°	594.9	623.8	634.5	645.2	661.2	714.7	755.4	758.6	739.3	730.8	739.3
75°	506.1	524.3	533.9	525.3	553.2	608.8	662.3	667.6	647.3	633.4	636.6
77.5°	416.2	436.5	446.2	426.9	424.8	495.4	560.6	572.4	555.3	533.9	540.3
80°	300.7	327.4	343.5	330.6	326.3	357.4	447.2	460.1	444.0	426.9	436.5
82.5°	184.0	199.0	203.3	216.1	242.9	255.7	287.8	330.6	318.8	303.9	330.6
85°	72.8	86.7	96.3	109.1	127.3	150.9	177.6	211.8	192.6	186.2	219.3
87.5°	4.3	1.1	0.0	2.1	18.2	35.3	76.0	104.9	87.7	94.2	113.4
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°	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6	1875.6
2.5°	1736.5	1764.3	1801.8	1832.8	1872.4	1909.8	1948.4	1986.9	2007.2	2015.8
5°	1613.5	1664.8	1724.7	1791.1	1868.1	1949.4	2031.8	2116.3	2169.8	2174.1
7.5°	1539.6	1613.5	1695.9	1779.3	1874.5	1986.9	2117.4	2247.9	2302.5	2317.5
10°	1563.2	1645.6	1710.8	1788.9	1893.8	2034.0	2188.0	2341.0	2404.2	2422.3
12.5°	1657.3	1673.4	1693.7	1765.4	1893.8	2074.6	2260.8	2442.7	2510.1	2527.2
15°	1735.4	1658.4	1622.0	1698.0	1868.1	2109.9	2337.8	2539.0	2620.3	2636.3
17.5°	1741.9	1609.2	1530.0	1598.5	1823.2	2134.5	2411.6	2646.0	2714.4	2729.4
20°	1676.6	1556.8	1454.0	1495.8	1762.2	2145.2	2465.1	2724.1	2791.5	2806.5
22.5°	1602.8	1514.0	1402.7	1400.6	1688.4	2157.0	2529.3	2797.9	2870.6	2880.3
25°	1533.2	1455.1	1361.0	1331.0	1602.8	2179.5	2616.0	2909.2	2964.8	2968.0
27.5°	1451.9	1392.0	1327.8	1298.9	1527.9	2222.3	2744.4	3041.8	3075.0	3069.7
30°	1378.1	1333.1	1304.3	1295.7	1480.8	2254.4	2866.4	3172.4	3174.5	3156.3
32.5°	1300.0	1282.9	1282.9	1310.7	1442.3	2246.9	2965.9	3299.7	3279.4	3252.6
35°	1230.4	1233.6	1256.1	1321.4	1378.1	2172.0	3061.1	3459.1	3429.2	3390.6
37.5°	1164.1	1188.7	1220.8	1283.9	1293.6	2060.7	3172.4	3684.9	3647.4	3599.3
40°	1107.4	1144.8	1182.3	1213.3	1203.7	1902.4	3327.5	3950.2	3908.5	3852.9
42.5°	1062.5	1098.8	1140.6	1143.8	1147.0	1737.6	3492.3	4275.5	4268.0	4207.0
45°	1033.6	1057.1	1096.7	1091.3	1143.8	1555.7	3644.2	4771.9	4870.4	4824.4
47.5°	1014.3	1032.5	1036.8	1059.2	1171.6	1393.1	3840.0	5743.4	6017.3	5964.9
50°	1003.6	1021.8	973.6	1061.4	1175.9	1288.2	4110.7	6963.2	7404.0	7334.4
52.5°	1002.5	998.3	925.5	1083.8	1152.3	1224.0	4251.9	7853.4	8831.3	8982.1
55°	1004.7	951.2	900.9	1090.3	1105.2	1200.5	3779.0	8281.3	10148.4	10467.2
57.5°	985.4	899.8	914.8	1064.6	1016.4	1263.6	2793.6	8128.3	10674.8	11267.5
60°	949.0	850.6	940.5	995.0	925.5	1155.5	1923.8	7445.7	10129.1	10739.0
62.5°	896.6	816.4	937.3	905.2	892.3	945.8	1322.4	6490.3	9263.5	9859.5
65°	837.8	788.5	887.0	818.5	826.0	727.6	935.1	5411.8	8230.0	8816.3
67.5°	774.6	771.4	813.2	728.6	697.6	576.7	681.6	4337.5	6902.2	7430.7
70°	703.0	726.5	739.3	647.3	566.0	452.6	506.1	3033.3	5091.8	5551.9
72.5°	631.3	633.4	651.6	562.8	423.7	362.7	379.8	1837.1	3459.1	3794.0
75°	558.5	538.2	555.3	457.9	315.6	297.4	293.2	1135.2	2389.2	2653.5
77.5°	480.4	457.9	435.5	344.5	253.6	230.0	224.7	636.6	1465.8	1628.4
80°	390.5	360.6	325.3	252.5	185.1	164.8	163.7	310.3	730.8	814.2
82.5°	303.9	247.2	237.5	157.3	114.5	100.6	107.0	118.8	220.4	246.1
85°	212.9	179.7	126.3	63.1	51.4	41.7	40.7	35.3	58.8	65.3
87.5°	118.8	78.1	40.7	7.5	8.6	9.6	7.5	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)