

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: P634856

Luminaire Tested: GWS-SA3C-750-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634856
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-SA3C-750-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13510.7 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

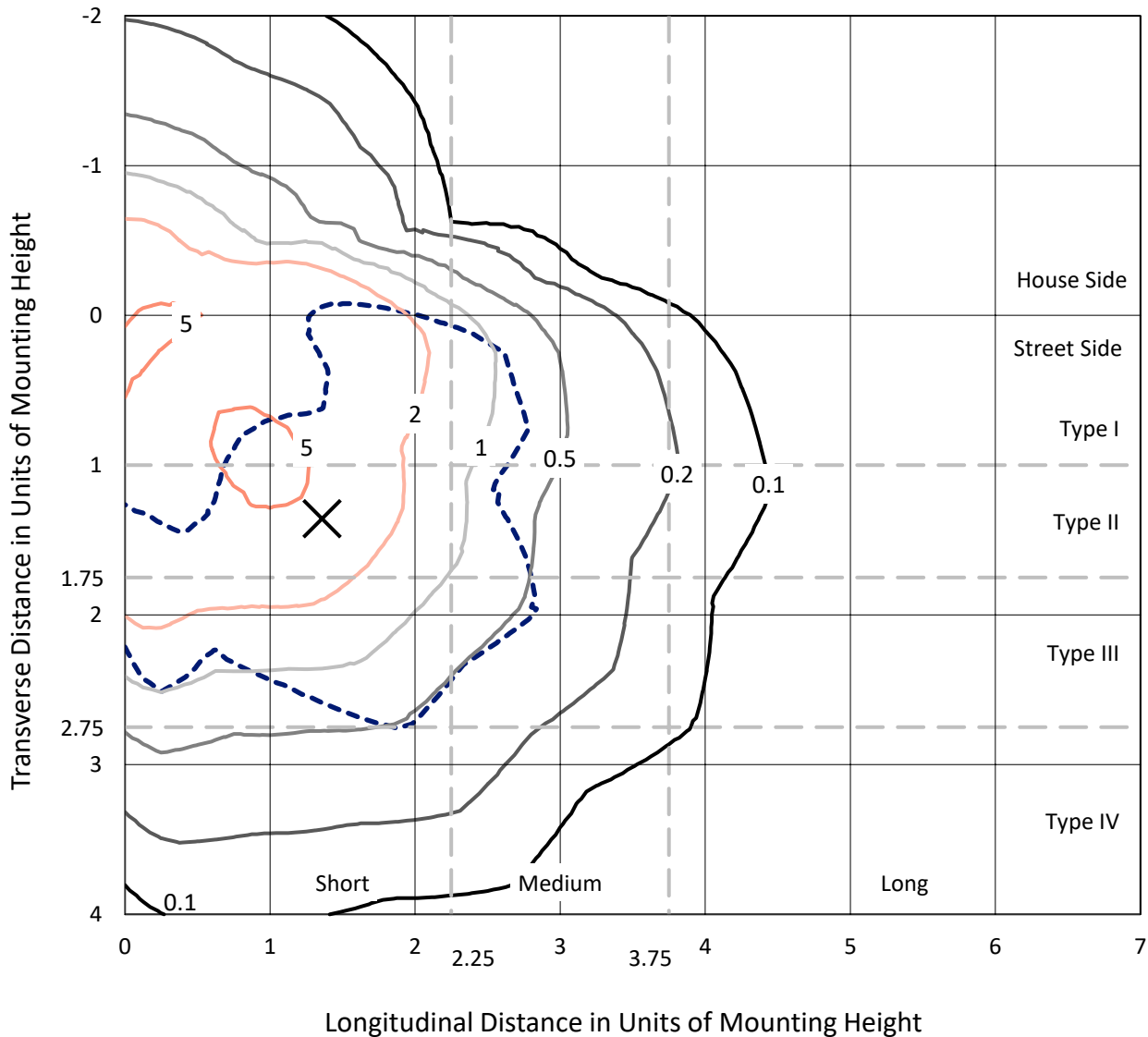
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

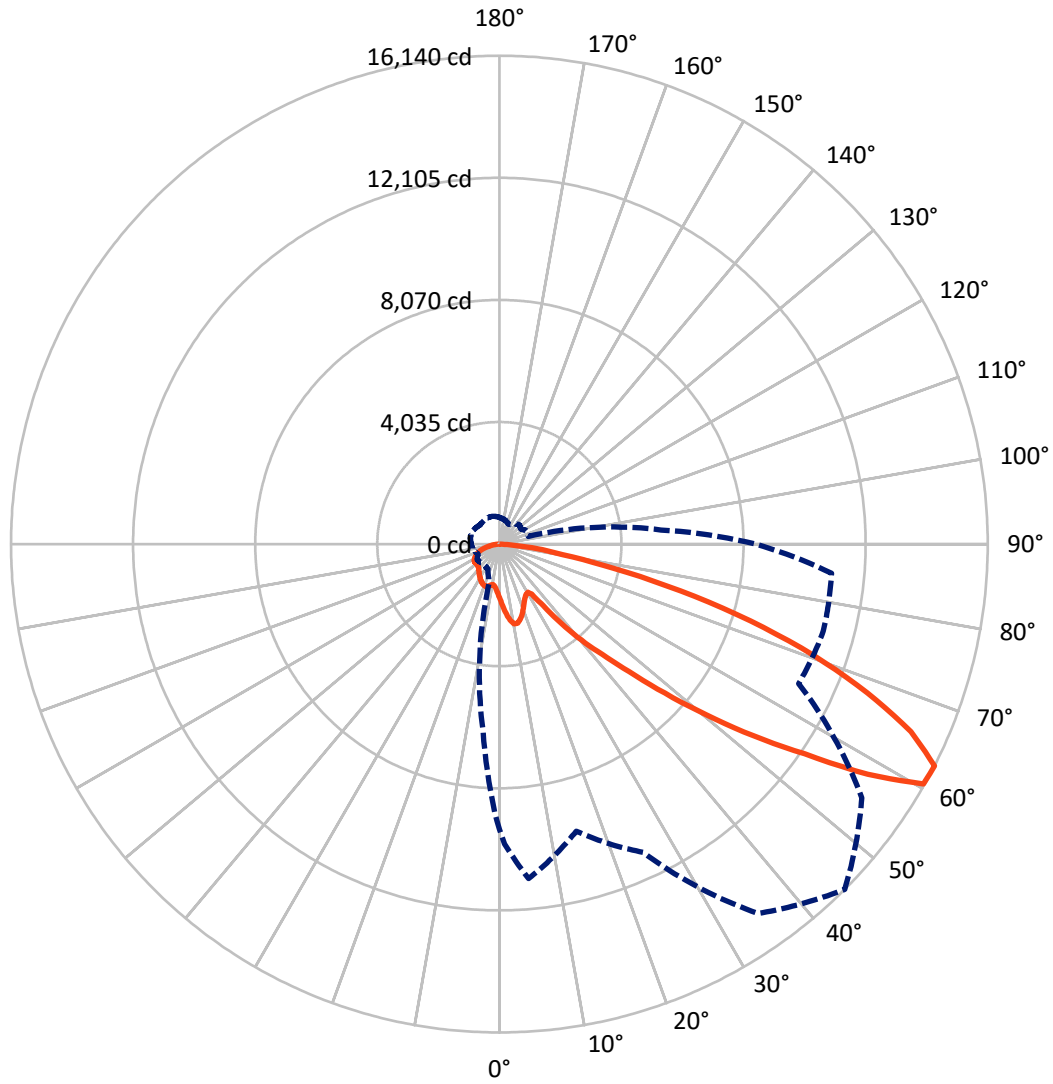
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 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	3223.9	0.0	3223.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	10286.8	0.0	10286.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	13510.7	0.0	13510.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	1.3
10°-20°	549.0	4.1
20°-30°	852.7	6.3
30°-40°	1157.7	8.6
40°-50°	1834.9	13.6
50°-60°	3236.8	24.0
60°-70°	3601.4	26.7
70°-80°	1826.5	13.5
80°-90°	276.6	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°	13510.7	100.0
0°-180°	13510.7	100.0

Coefficient of Utilization



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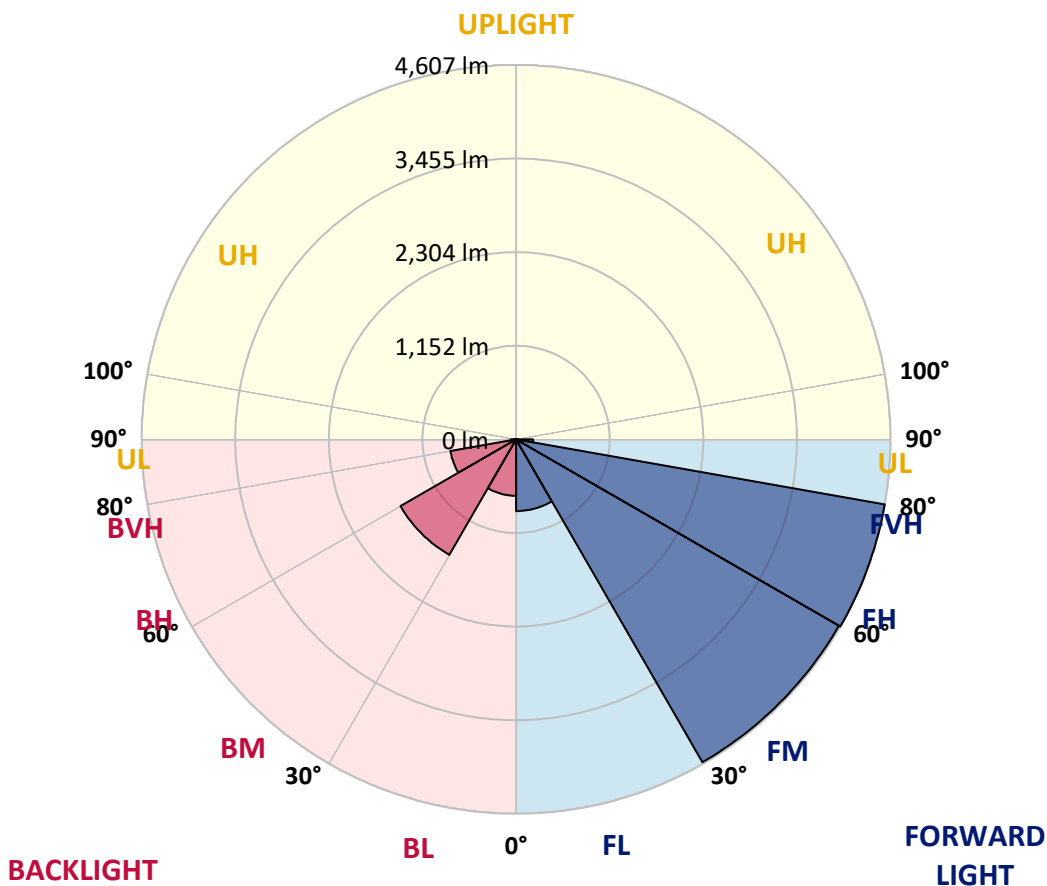
CATALOG NUMBER: GWS-SA3C-750-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	882.1	6.5			
FM (30°-60°)	4587.5	34.0			
FH (60°-80°)	4607.3	34.1			G2/5000
FVH (80°-90°)	209.9	1.6			G2/225
BL (0°-30°)	694.7	5.1	B2/1000		
BM (30°-60°)	1642.0	12.2	B2/2500		
BH (60°-80°)	820.6	6.1	B2/1000		G2/1000
BVH (80°-90°)	66.6	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°	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1
2.5°	1927.1	1926.1	1945.6	1975.2	2002.8	2015.1	2035.6	2033.5	2017.2	1995.7	1988.5
5°	2078.5	2082.6	2116.4	2181.8	2254.5	2285.2	2298.5	2293.3	2263.7	2225.8	2159.3
7.5°	2215.6	2222.8	2274.9	2373.1	2463.1	2504.1	2536.8	2530.7	2487.7	2417.1	2318.9
10°	2315.8	2324.0	2386.4	2502.0	2602.3	2638.1	2680.0	2682.0	2644.2	2549.1	2448.8
12.5°	2416.1	2424.3	2482.6	2587.9	2653.4	2654.4	2679.0	2692.3	2694.3	2650.3	2550.1
15°	2520.4	2527.6	2580.8	2640.1	2637.0	2579.8	2579.8	2605.3	2661.6	2693.3	2623.7
17.5°	2609.4	2618.6	2659.5	2640.1	2549.1	2445.8	2433.5	2466.2	2564.4	2686.1	2679.0
20°	2683.1	2690.2	2712.7	2583.8	2418.1	2283.1	2259.6	2297.4	2430.4	2642.2	2720.9
22.5°	2753.7	2757.7	2745.5	2510.2	2277.0	2122.5	2093.9	2133.8	2277.0	2564.4	2756.7
25°	2837.5	2833.4	2775.1	2433.5	2148.1	1995.7	1966.0	2011.0	2160.4	2461.1	2795.6
27.5°	2934.7	2919.4	2800.7	2350.6	2048.9	1901.6	1881.1	1929.2	2068.3	2366.0	2826.3
30°	3017.6	2987.9	2804.8	2277.0	1997.7	1861.7	1849.4	1894.4	2023.3	2301.5	2865.1
32.5°	3109.6	3068.7	2828.3	2257.5	2026.4	1957.8	1974.2	1977.3	2035.6	2283.1	2923.5
35°	3241.6	3188.4	2892.8	2313.8	2321.0	2436.6	2495.9	2416.1	2220.7	2324.0	3033.9
37.5°	3441.0	3373.5	3023.7	2557.3	2929.6	3188.4	3331.6	3149.5	2783.3	2478.5	3200.7
40°	3683.5	3597.5	3191.5	3007.3	3498.3	3912.6	4167.3	3900.3	3362.3	2864.1	3434.9
42.5°	4022.0	3932.0	3516.7	3449.2	4025.1	4641.9	4974.4	4576.5	3872.7	3362.3	3810.3
45°	4612.3	4525.3	4113.1	3892.1	4641.9	5540.0	6006.5	5453.1	4391.3	3862.5	4512.0
47.5°	5702.7	5600.4	4998.9	4383.1	5345.7	6706.1	7358.8	6552.7	4930.4	4435.3	5690.4
50°	7012.0	6913.8	6110.8	4964.1	6123.1	7953.1	8860.4	7844.6	5551.3	5131.9	7098.9
52.5°	8587.3	8568.8	7697.3	5698.6	6932.2	9282.8	10526.7	9275.7	6231.5	6069.9	8694.7
55°	10007.0	10187.1	9712.4	6818.7	7977.6	10953.2	12240.0	10836.6	7154.2	7620.6	10563.5
57.5°	10772.2	11256.0	11985.3	9103.8	9497.6	12949.9	14354.4	12742.3	8739.7	10202.4	12296.3
60°	10266.9	10815.1	12136.7	10824.3	11005.4	14549.7	16099.4	14344.1	10296.5	11994.5	12198.1
62.5°	9426.0	9918.0	11093.4	9819.9	11238.6	14901.6	16140.4	14623.4	10915.4	11085.2	11018.7
65°	8428.7	8924.8	10169.7	8571.9	10497.0	14065.9	14949.7	13802.0	9803.5	10015.2	10039.8
67.5°	7104.0	7562.3	8829.7	7621.6	9568.2	12839.5	13121.8	12631.8	9028.1	9365.7	9012.8
70°	5307.8	5721.1	6840.1	6193.7	8065.6	11241.7	11013.6	11086.2	8157.6	8493.1	7528.6
72.5°	3627.2	3938.2	4897.7	4867.0	6176.3	8999.5	8681.4	9369.8	6813.5	7258.5	5739.5
75°	2536.8	2779.2	3540.3	3845.1	4668.5	6670.3	6182.4	7013.0	5321.1	5956.4	4187.8
77.5°	1556.9	1717.5	2236.1	2848.8	3003.2	4565.2	3840.0	5277.1	3736.7	4344.3	2793.5
80°	778.4	856.2	1086.3	1791.1	1991.6	2690.2	2120.5	3063.6	2528.6	2690.2	1545.6
82.5°	235.3	259.8	318.1	680.2	1032.1	1548.7	1253.1	1779.8	1380.9	1261.2	608.6
85°	62.4	70.6	88.0	201.5	362.1	555.4	423.5	862.3	661.8	465.4	229.1
87.5°	5.1	5.1	4.1	4.1	2.0	0.0	0.0	61.4	123.8	70.6	39.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1
2.5°	1952.7	1948.6	1906.7	1876.0	1840.2	1805.4	1769.6	1737.9	1702.1	1666.3	1656.1
5°	2110.2	2081.6	1992.6	1917.9	1844.3	1779.8	1723.6	1665.3	1618.2	1572.2	1554.8
7.5°	2249.4	2199.2	2070.4	1956.8	1854.5	1774.7	1691.9	1607.0	1540.5	1475.0	1458.7
10°	2375.2	2308.7	2146.0	2002.8	1889.3	1798.3	1701.1	1587.5	1491.4	1411.6	1390.1
12.5°	2468.3	2395.6	2211.5	2046.8	1917.9	1815.6	1719.5	1619.3	1518.0	1414.7	1391.1
15°	2541.9	2466.2	2265.7	2080.6	1919.0	1787.0	1693.9	1659.1	1627.4	1526.2	1483.2
17.5°	2601.2	2521.5	2312.8	2101.0	1891.3	1700.1	1619.3	1670.4	1751.2	1687.8	1607.0
20°	2655.5	2574.6	2348.6	2115.4	1830.0	1580.4	1535.4	1643.8	1765.5	1763.5	1690.9
22.5°	2714.8	2636.0	2400.7	2123.5	1744.0	1458.7	1485.3	1604.9	1704.2	1733.8	1688.8
25°	2790.5	2720.9	2473.4	2142.0	1646.9	1374.8	1448.4	1554.8	1637.7	1644.8	1618.2
27.5°	2878.4	2826.3	2581.8	2184.9	1552.8	1331.8	1405.5	1484.2	1559.9	1563.0	1531.3
30°	2974.6	2939.8	2682.0	2220.7	1482.2	1318.5	1350.2	1413.6	1461.7	1469.9	1442.3
32.5°	3097.3	3066.7	2771.0	2197.2	1440.2	1315.5	1299.1	1331.8	1371.7	1371.7	1350.2
35°	3266.1	3223.2	2865.1	2107.2	1389.1	1303.2	1244.9	1254.1	1271.5	1274.5	1262.3
37.5°	3505.5	3434.9	2960.3	1929.2	1305.2	1259.2	1182.5	1171.2	1177.4	1185.5	1182.5
40°	3802.1	3686.5	3099.4	1715.4	1205.0	1174.3	1118.0	1096.6	1091.4	1107.8	1113.9
42.5°	4175.5	3998.5	3248.7	1515.9	1113.9	1077.1	1042.3	1023.9	1015.7	1043.4	1059.7
45°	4771.8	4480.3	3391.9	1318.5	1062.8	994.3	970.7	957.4	961.5	994.3	1014.7
47.5°	5801.9	5215.8	3528.0	1193.7	1058.7	934.9	906.3	909.4	920.6	955.4	979.9
50°	7105.1	6200.8	3619.0	1141.6	1071.0	899.1	861.3	877.6	895.0	928.8	957.4
52.5°	8431.8	7118.4	3510.6	1112.9	1070.0	900.2	819.3	868.4	876.6	910.4	941.1
55°	9344.2	7220.7	3032.9	1068.9	1053.6	941.1	786.6	864.4	869.5	900.2	927.8
57.5°	9692.0	6870.8	2312.8	1081.2	1004.5	972.8	772.3	835.7	872.5	899.1	927.8
60°	9271.6	6211.1	1405.5	1112.9	925.7	970.7	781.5	783.5	847.0	892.0	920.6
62.5°	8478.8	5364.1	987.1	1022.9	868.4	916.5	803.0	722.2	802.0	856.2	881.7
65°	7570.5	4367.8	752.9	880.7	840.8	832.6	810.1	668.0	740.6	793.8	816.3
67.5°	6624.3	3395.0	611.7	656.7	760.0	752.9	740.6	619.9	668.0	705.8	731.4
70°	5432.6	2375.2	516.6	493.0	651.6	675.1	647.5	559.5	574.9	613.7	634.2
72.5°	3974.0	1480.1	424.5	407.1	523.7	590.2	575.9	493.0	500.2	537.0	553.4
75°	2858.0	847.0	340.6	335.5	400.0	505.3	476.7	424.5	432.7	460.3	471.6
77.5°	1816.7	471.6	262.9	270.0	286.4	377.5	407.1	363.1	363.1	379.5	388.7
80°	972.8	270.0	192.3	195.4	200.5	288.5	321.2	281.3	281.3	270.0	281.3
82.5°	396.9	155.5	132.0	122.7	134.0	197.4	225.0	179.0	187.2	168.8	172.9
85°	130.9	77.7	65.5	64.4	63.4	86.9	108.4	89.0	106.4	67.5	70.6
87.5°	17.4	14.3	8.2	6.1	7.2	3.1	6.1	7.2	7.2	5.1	5.1
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°	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1
2.5°	1648.9	1640.7	1611.1	1618.2	1613.1	1604.9	1613.1	1597.8	1610.0	1614.1	1639.7
5°	1541.5	1522.1	1493.4	1479.1	1476.0	1467.9	1468.9	1461.7	1463.8	1481.2	1509.8
7.5°	1445.4	1426.9	1404.4	1394.2	1385.0	1375.8	1374.8	1373.8	1381.9	1397.3	1424.9
10°	1375.8	1365.6	1356.4	1360.5	1356.4	1352.3	1345.1	1345.1	1358.4	1386.0	1419.8
12.5°	1375.8	1373.8	1375.8	1388.1	1387.1	1388.1	1378.9	1384.0	1420.8	1467.9	1515.9
15°	1449.5	1433.1	1433.1	1439.2	1437.2	1437.2	1437.2	1458.7	1542.5	1615.2	1666.3
17.5°	1539.5	1491.4	1470.9	1467.9	1466.8	1466.8	1470.9	1517.0	1647.9	1724.6	1754.3
20°	1601.9	1510.8	1477.1	1463.8	1464.8	1466.8	1479.1	1542.5	1686.8	1725.6	1718.5
22.5°	1613.1	1495.5	1454.6	1435.1	1438.2	1440.2	1458.7	1526.2	1633.6	1639.7	1625.4
25°	1560.9	1452.5	1408.5	1393.2	1397.3	1396.3	1412.6	1461.7	1538.4	1536.4	1528.2
27.5°	1483.2	1384.0	1351.3	1341.0	1348.2	1340.0	1345.1	1383.0	1442.3	1440.2	1437.2
30°	1403.4	1317.5	1287.8	1282.7	1291.9	1279.6	1280.7	1312.4	1353.3	1351.3	1350.2
32.5°	1323.6	1251.0	1224.4	1224.4	1233.6	1220.3	1222.4	1250.0	1277.6	1269.4	1269.4
35°	1247.9	1196.8	1175.3	1171.2	1178.4	1169.2	1173.3	1198.8	1209.1	1197.8	1190.7
37.5°	1181.5	1158.9	1137.5	1123.1	1124.2	1125.2	1137.5	1156.9	1150.8	1134.4	1125.2
40°	1120.1	1120.1	1099.6	1073.0	1070.0	1077.1	1097.6	1119.1	1101.7	1083.3	1072.0
42.5°	1076.1	1085.3	1065.9	1039.3	1033.1	1045.4	1067.9	1083.3	1062.8	1042.3	1027.0
45°	1035.2	1057.7	1044.4	1014.7	1006.5	1020.9	1049.5	1055.6	1028.0	1008.6	997.3
47.5°	1006.5	1037.2	1028.0	999.4	987.1	1007.6	1037.2	1036.2	1001.4	981.0	971.8
50°	986.1	1024.9	1023.9	999.4	986.1	1011.6	1038.2	1024.9	987.1	965.6	956.4
52.5°	969.7	1023.9	1031.1	1016.8	1007.6	1030.1	1046.4	1020.9	976.9	954.4	947.2
55°	962.6	1028.0	1033.1	1019.8	1011.6	1032.1	1046.4	1029.0	976.9	956.4	950.3
57.5°	964.6	1022.9	1023.9	1005.5	991.2	1016.8	1039.3	1034.2	988.1	964.6	957.4
60°	952.3	995.3	997.3	968.7	952.3	983.0	1022.9	1019.8	983.0	958.5	945.2
62.5°	911.4	949.3	950.3	923.7	900.2	944.1	988.1	987.1	953.3	928.8	913.5
65°	842.9	882.8	893.0	867.4	849.0	896.1	942.1	940.0	906.3	883.8	868.4
67.5°	758.0	800.9	820.4	803.0	795.8	838.8	881.7	880.7	853.1	831.6	818.3
70°	654.7	690.5	723.2	723.2	718.1	767.2	813.2	809.1	783.5	767.2	756.9
72.5°	568.7	596.4	606.6	616.8	632.2	683.3	722.2	725.2	706.8	698.6	706.8
75°	483.8	501.2	510.4	502.2	528.8	582.0	633.2	638.3	618.9	605.6	608.6
77.5°	397.9	417.3	426.5	408.1	406.1	473.6	536.0	547.3	530.9	510.4	516.6
80°	287.4	313.0	328.4	316.1	312.0	341.6	427.6	439.8	424.5	408.1	417.3
82.5°	175.9	190.3	194.4	206.6	232.2	244.5	275.2	316.1	304.8	290.5	316.1
85°	69.6	82.9	92.1	104.3	121.7	144.2	169.8	202.5	184.1	178.0	209.7
87.5°	4.1	1.0	0.0	2.0	17.4	33.8	72.6	100.2	83.9	90.0	108.4
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°	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1	1793.1
2.5°	1660.2	1686.8	1722.6	1752.2	1790.1	1825.9	1862.7	1899.5	1919.0	1927.1
5°	1542.5	1591.6	1648.9	1712.3	1786.0	1863.7	1942.5	2023.3	2074.4	2078.5
7.5°	1472.0	1542.5	1621.3	1701.1	1792.1	1899.5	2024.3	2149.1	2201.3	2215.6
10°	1494.5	1573.2	1635.6	1710.3	1810.5	1944.5	2091.8	2238.1	2298.5	2315.8
12.5°	1584.5	1599.8	1619.3	1687.8	1810.5	1983.4	2161.4	2335.3	2399.7	2416.1
15°	1659.1	1585.5	1550.7	1623.3	1786.0	2017.2	2235.0	2427.3	2505.1	2520.4
17.5°	1665.3	1538.4	1462.7	1528.2	1743.0	2040.7	2305.6	2529.6	2595.1	2609.4
20°	1602.9	1488.3	1390.1	1430.0	1684.7	2050.9	2356.8	2604.3	2668.7	2683.1
22.5°	1532.3	1447.4	1341.0	1339.0	1614.1	2062.2	2418.1	2674.9	2744.4	2753.7
25°	1465.8	1391.1	1301.1	1272.5	1532.3	2083.6	2501.0	2781.3	2834.5	2837.5
27.5°	1388.1	1330.8	1269.4	1241.8	1460.7	2124.6	2623.7	2908.1	2939.8	2934.7
30°	1317.5	1274.5	1246.9	1238.7	1415.7	2155.3	2740.4	3032.9	3034.9	3017.6
32.5°	1242.8	1226.5	1226.5	1253.1	1378.9	2148.1	2835.5	3154.6	3135.2	3109.6
35°	1176.3	1179.4	1200.9	1263.3	1317.5	2076.5	2926.5	3307.0	3278.4	3241.6
37.5°	1112.9	1136.4	1167.1	1227.5	1236.7	1970.1	3032.9	3522.9	3487.1	3441.0
40°	1058.7	1094.5	1130.3	1160.0	1150.8	1818.7	3181.2	3776.6	3736.7	3683.5
42.5°	1015.7	1050.5	1090.4	1093.5	1096.6	1661.2	3338.7	4087.5	4080.4	4022.0
45°	988.1	1010.6	1048.5	1043.4	1093.5	1487.3	3484.0	4562.1	4656.2	4612.3
47.5°	969.7	987.1	991.2	1012.7	1120.1	1331.8	3671.2	5490.9	5752.8	5702.7
50°	959.5	976.9	930.8	1014.7	1124.2	1231.6	3930.0	6657.0	7078.5	7012.0
52.5°	958.5	954.4	884.8	1036.2	1101.7	1170.2	4065.0	7508.1	8443.0	8587.3
55°	960.5	909.4	861.3	1042.3	1056.7	1147.7	3612.9	7917.3	9702.2	10007.0
57.5°	942.1	860.3	874.6	1017.8	971.8	1208.0	2670.8	7771.0	10205.5	10772.2
60°	907.3	813.2	899.1	951.3	884.8	1104.7	1839.2	7118.4	9683.8	10266.9
62.5°	857.2	780.5	896.1	865.4	853.1	904.2	1264.3	6204.9	8856.3	9426.0
65°	800.9	753.9	848.0	782.5	789.7	695.6	894.0	5173.8	7868.2	8428.7
67.5°	740.6	737.5	777.4	696.6	666.9	551.3	651.6	4146.8	6598.7	7104.0
70°	672.0	694.5	706.8	618.9	541.1	432.7	483.8	2899.9	4868.0	5307.8
72.5°	603.5	605.6	622.9	538.0	405.1	346.8	363.1	1756.3	3307.0	3627.2
75°	534.0	514.5	530.9	437.8	301.8	284.4	280.3	1085.3	2284.1	2536.8
77.5°	459.3	437.8	416.3	329.4	242.4	219.9	214.8	608.6	1401.4	1556.9
80°	373.4	344.7	311.0	241.4	177.0	157.5	156.5	296.6	698.6	778.4
82.5°	290.5	236.3	227.1	150.4	109.5	96.2	102.3	113.5	210.7	235.3
85°	203.6	171.8	120.7	60.4	49.1	39.9	38.9	33.8	56.3	62.4
87.5°	113.5	74.7	38.9	7.2	8.2	9.2	7.2	5.1	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)