

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: P634414

Luminaire Tested: GWS-SA3B-760-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634414
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-SA3B-760-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8210.4 lumens
Efficiency: N/A
Efficacy: 120.2 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

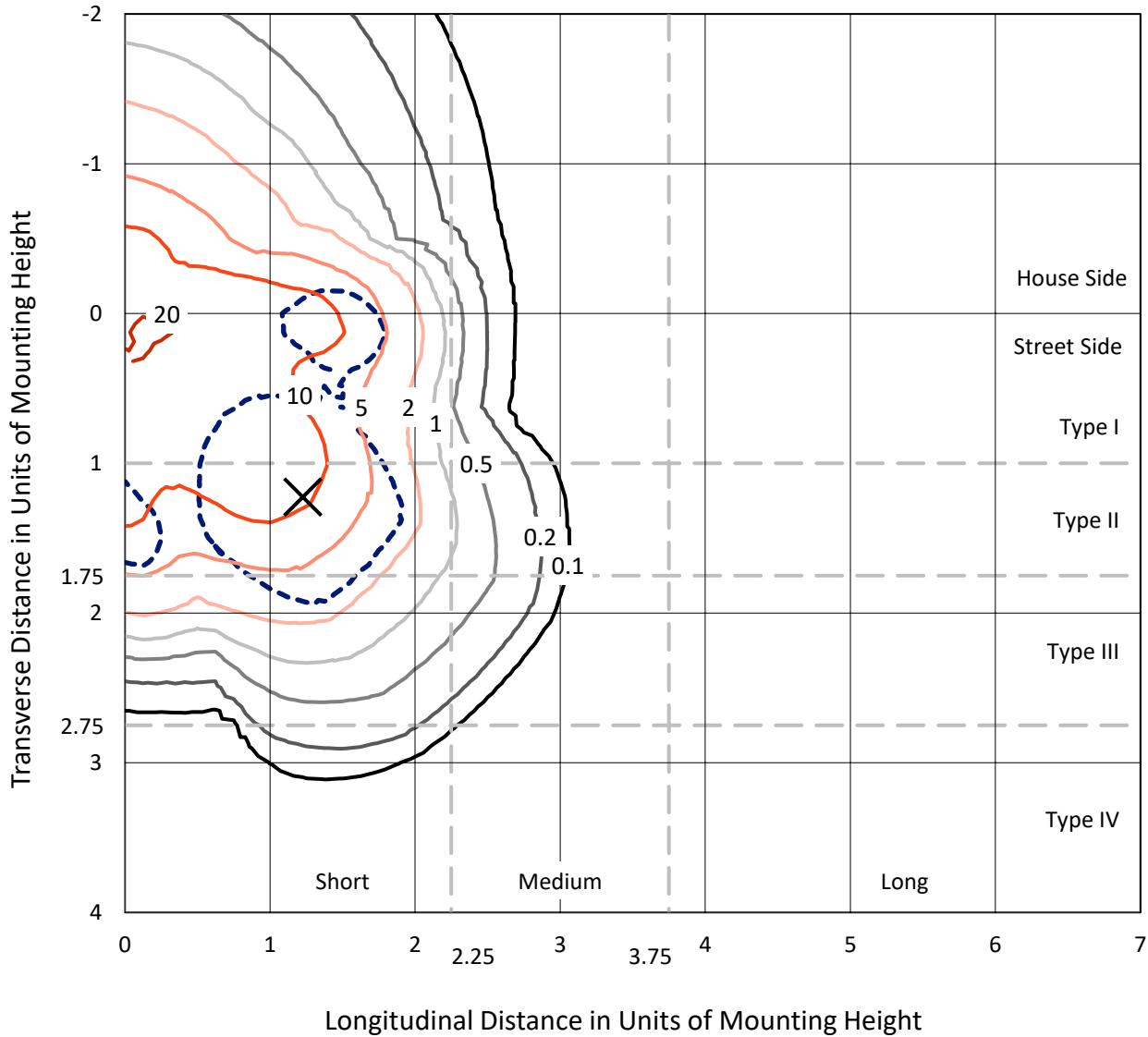
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

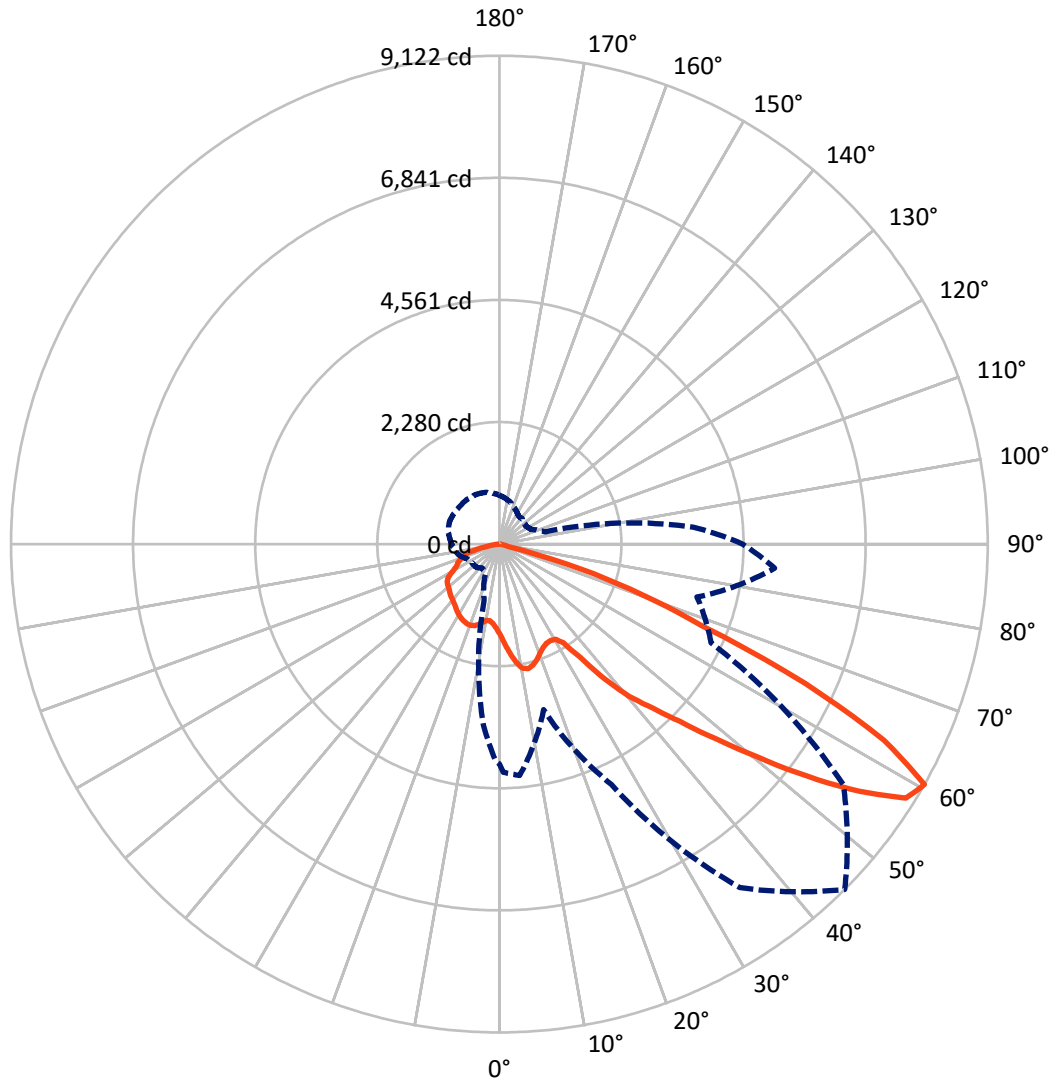
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.5 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
House Side	Lumens	2878.0	0.0	2878.0
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	5332.4	0.0	5332.4
	% Fixture	64.9	0.0	64.9
Total	Lumens	8210.4	0.0	8210.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.6	2.0
10°-20°	520.0	6.3
20°-30°	844.7	10.3
30°-40°	1191.3	14.5
40°-50°	1646.3	20.1
50°-60°	2119.3	25.8
60°-70°	1342.8	16.4
70°-80°	344.6	4.2
80°-90°	36.8	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°	8210.4	100.0
0°-180°	8210.4	100.0

Coefficient of Utilization



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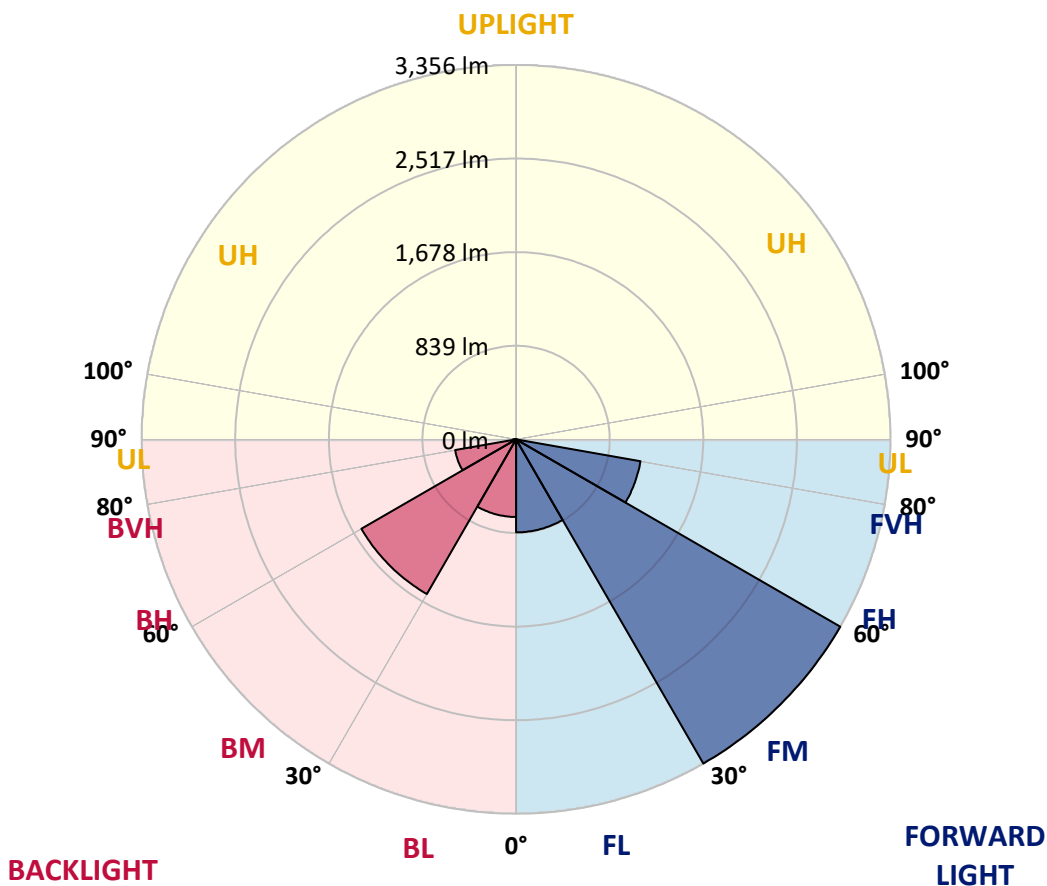
CATALOG NUMBER: GWS-SA3B-760-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	833.7	10.2			
FM (30°-60°)	3355.9	40.9			
FH (60°-80°)	1132.7	13.8			G1/1800
FVH (80°-90°)	10.0	0.1			G1/100
BL (0°-30°)	695.6	8.5	B2/1000		
BM (30°-60°)	1601.0	19.5	B2/2500		
BH (60°-80°)	554.6	6.8	B2/1000		G2/1000
BVH (80°-90°)	26.8	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°	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7
2.5°	1764.1	1776.2	1783.7	1798.0	1823.6	1837.9	1853.7	1836.4	1840.9	1838.6	1810.8
5°	1868.7	1883.0	1902.6	1944.7	1992.1	2018.4	2043.2	2039.5	2016.2	1977.0	1949.2
7.5°	1966.5	1983.1	2016.9	2085.4	2155.3	2196.0	2226.1	2206.5	2186.9	2125.2	2055.3
10°	2043.2	2053.0	2098.9	2190.7	2271.9	2317.8	2354.7	2350.2	2323.1	2253.9	2159.9
12.5°	2115.5	2122.2	2171.9	2263.7	2336.6	2357.0	2387.0	2396.8	2387.8	2335.9	2243.4
15°	2193.0	2205.7	2251.6	2321.6	2354.7	2333.6	2344.2	2371.2	2396.8	2396.8	2311.8
17.5°	2265.2	2276.5	2323.1	2353.2	2321.6	2265.9	2268.9	2303.5	2364.5	2428.4	2374.3
20°	2329.1	2339.7	2385.5	2357.0	2256.9	2175.7	2173.4	2215.5	2314.1	2448.7	2441.2
22.5°	2399.1	2414.1	2452.5	2360.0	2196.7	2093.7	2092.9	2136.5	2269.7	2469.0	2517.9
25°	2498.4	2521.7	2541.3	2386.3	2164.4	2040.2	2050.0	2091.4	2255.4	2502.2	2631.5
27.5°	2645.8	2664.6	2663.1	2441.2	2162.9	2018.4	2038.7	2086.9	2281.0	2560.8	2751.2
30°	2805.3	2815.1	2799.3	2517.9	2197.5	2032.0	2062.1	2119.2	2345.7	2657.9	2927.2
32.5°	2982.1	2994.2	2964.1	2633.1	2278.0	2132.0	2198.2	2226.1	2436.7	2797.8	3113.8
35°	3185.2	3208.6	3146.1	2785.0	2514.9	2496.9	2593.2	2557.1	2630.0	2963.3	3313.1
37.5°	3398.9	3399.6	3310.1	3010.0	2979.9	3010.7	3203.3	3090.4	3040.0	3147.6	3516.3
40°	3580.2	3575.7	3438.0	3313.1	3384.6	3507.2	3739.7	3566.7	3434.2	3395.1	3684.8
42.5°	3761.5	3744.9	3605.8	3505.7	3663.7	3915.7	4178.3	3966.1	3687.0	3620.1	3851.0
45°	3993.2	3987.9	3820.2	3582.5	3915.7	4373.1	4721.4	4377.6	3836.7	3751.0	4127.9
47.5°	4367.1	4341.5	4029.3	3576.4	4151.9	4982.5	5422.6	4896.0	3941.3	3754.0	4574.7
50°	4732.7	4701.1	4279.1	3575.7	4395.7	5614.4	6250.1	5525.6	4048.1	3772.0	5029.1
52.5°	5102.1	5102.1	4689.1	3660.7	4651.5	6320.1	7206.3	6310.3	4230.2	4008.3	5588.1
55°	5321.8	5380.5	5150.2	3804.4	4950.9	7150.6	8151.9	7157.4	4511.5	4434.8	6104.2
57.5°	5042.7	5152.5	5119.4	3704.3	5127.7	7760.7	8953.9	7799.8	4650.7	4485.2	6026.7
60°	4109.1	4261.8	4337.8	3198.8	4953.1	7831.4	9121.6	7842.0	4363.3	3819.4	5162.3
62.5°	2731.6	2857.2	2973.1	2285.5	4288.1	7045.3	8067.7	7047.5	3644.1	2850.5	3576.4
65°	1339.8	1433.1	1558.0	1351.1	3350.0	5886.7	6290.0	5694.9	2636.1	1595.6	1824.3
67.5°	350.6	376.9	394.2	524.4	2399.8	4229.4	4102.3	4165.5	1693.4	521.3	477.0
70°	182.1	183.6	182.8	216.7	1622.0	2688.0	2827.1	2615.7	1181.9	218.2	188.1
72.5°	130.1	130.9	128.6	145.9	783.1	1540.0	1595.6	1578.3	619.1	129.4	128.6
75°	85.0	85.8	84.3	85.8	118.1	175.3	161.7	170.0	103.1	82.0	82.0
77.5°	50.4	51.2	50.4	51.9	50.4	50.4	46.6	46.6	44.4	44.4	45.1
80°	33.9	33.9	33.1	34.6	31.6	31.6	30.1	29.3	27.1	26.3	26.3
82.5°	20.3	21.1	20.3	20.3	18.8	18.8	17.3	16.6	14.3	14.3	13.5
85°	10.5	10.5	9.8	9.8	8.3	7.5	6.0	6.0	4.5	3.8	3.8
87.5°	1.5	1.5	0.8	0.8	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°	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7
2.5°	1803.3	1788.2	1765.6	1743.8	1723.5	1702.5	1678.4	1653.6	1632.5	1610.7	1599.4
5°	1912.3	1881.5	1822.8	1770.9	1724.3	1685.9	1644.5	1609.2	1576.1	1549.0	1535.4
7.5°	2010.9	1962.8	1874.0	1792.0	1728.8	1676.1	1618.9	1566.3	1521.9	1488.8	1476.0
10°	2101.9	2044.8	1928.1	1824.3	1750.6	1691.9	1622.0	1550.5	1491.8	1448.2	1437.6
12.5°	2175.7	2110.2	1971.0	1850.7	1763.4	1700.2	1638.5	1576.8	1518.9	1462.5	1453.4
15°	2241.1	2163.6	2003.4	1867.2	1758.9	1678.4	1626.5	1618.9	1618.9	1555.0	1536.9
17.5°	2297.5	2212.5	2029.7	1874.7	1730.3	1613.7	1582.1	1647.5	1721.3	1675.4	1634.7
20°	2362.2	2259.2	2051.5	1874.7	1677.6	1531.7	1528.7	1640.0	1749.1	1749.9	1707.0
22.5°	2427.7	2313.3	2077.1	1868.0	1605.4	1436.9	1492.6	1609.9	1707.0	1748.3	1719.0
25°	2533.7	2388.6	2117.7	1862.7	1521.2	1372.2	1460.2	1570.1	1652.1	1695.7	1676.9
27.5°	2668.4	2487.9	2179.4	1871.0	1437.6	1333.8	1425.6	1518.1	1592.6	1631.0	1617.4
30°	2818.9	2602.2	2245.6	1885.3	1377.5	1314.3	1384.2	1458.7	1524.9	1563.3	1557.3
32.5°	3010.7	2726.3	2302.8	1865.7	1343.6	1304.5	1340.6	1394.0	1458.0	1482.0	1487.3
35°	3240.2	2863.3	2346.4	1789.0	1312.8	1294.0	1293.2	1326.3	1371.4	1409.8	1413.6
37.5°	3451.6	3023.5	2394.6	1657.3	1257.1	1267.6	1237.5	1257.1	1301.5	1339.8	1354.9
40°	3660.7	3186.0	2461.5	1489.6	1184.1	1208.9	1173.6	1187.1	1222.5	1272.9	1297.0
42.5°	3863.8	3332.7	2532.2	1318.0	1111.1	1126.9	1100.6	1114.2	1151.0	1214.2	1241.3
45°	4085.0	3531.3	2587.2	1156.3	1048.0	1041.2	1020.1	1039.7	1095.3	1164.6	1196.9
47.5°	4503.3	3844.3	2623.3	1048.7	1014.1	965.2	941.1	983.3	1046.4	1116.4	1155.5
50°	5014.1	4297.1	2612.7	980.2	984.8	887.0	878.7	934.4	1002.1	1075.0	1117.9
52.5°	5418.8	4741.7	2493.1	914.8	927.6	837.3	813.2	894.5	959.2	1033.7	1078.0
55°	5728.0	4891.5	2126.0	837.3	834.3	801.2	750.8	853.1	916.3	985.5	1033.7
57.5°	5476.0	4558.2	1576.1	730.5	712.4	729.7	680.8	783.1	863.6	932.1	975.0
60°	4544.6	3634.4	877.9	647.0	595.8	638.0	630.4	709.4	806.5	878.7	915.5
62.5°	3085.2	2420.1	520.6	511.6	483.0	543.2	583.0	634.9	730.5	789.2	823.8
65°	1537.7	1175.8	346.1	382.9	386.7	446.9	522.1	579.3	659.0	719.2	753.8
67.5°	446.1	365.6	263.3	292.6	333.3	381.4	441.6	509.3	586.8	658.3	698.9
70°	192.6	194.8	209.1	243.7	283.6	333.3	393.5	459.7	525.1	580.0	610.9
72.5°	136.2	141.4	157.2	192.6	230.2	277.6	337.8	401.7	449.1	504.8	537.1
75°	87.3	91.0	103.8	130.9	158.7	204.6	261.8	320.5	369.4	409.3	440.1
77.5°	48.1	48.9	59.4	75.2	94.0	123.4	165.5	211.4	247.5	270.1	297.9
80°	27.8	27.8	33.1	42.9	54.2	72.2	95.5	118.1	139.9	154.2	167.8
82.5°	15.0	15.0	17.3	23.3	29.3	39.9	53.4	64.7	78.2	85.8	94.8
85°	4.5	4.5	6.0	8.3	10.5	15.0	21.1	27.1	33.1	38.4	43.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7
2.5°	1597.1	1586.6	1580.6	1573.1	1575.3	1568.5	1564.8	1567.0	1553.5	1567.0	1580.6
5°	1530.2	1515.1	1503.1	1493.3	1488.8	1479.8	1474.5	1474.5	1466.2	1479.8	1496.3
7.5°	1471.5	1459.5	1453.4	1447.4	1440.7	1432.4	1423.4	1420.3	1415.1	1429.4	1443.7
10°	1432.4	1433.9	1437.6	1445.9	1444.4	1439.2	1425.6	1418.1	1418.1	1434.6	1456.5
12.5°	1450.4	1466.2	1475.3	1490.3	1493.3	1488.8	1475.3	1469.2	1484.3	1509.1	1545.2
15°	1520.4	1530.9	1538.5	1550.5	1549.7	1546.0	1535.4	1540.0	1589.6	1637.8	1670.1
17.5°	1596.4	1584.3	1582.8	1590.4	1592.6	1588.1	1582.1	1602.4	1684.4	1729.5	1746.1
20°	1651.3	1609.9	1600.9	1603.9	1609.9	1607.7	1607.7	1640.8	1725.8	1746.8	1725.8
22.5°	1667.8	1609.2	1595.6	1596.4	1604.7	1605.4	1609.2	1643.8	1693.4	1694.2	1661.8
25°	1641.5	1585.1	1575.3	1576.8	1586.6	1585.8	1587.4	1606.9	1628.7	1619.7	1595.6
27.5°	1591.9	1543.0	1540.0	1548.2	1561.0	1554.3	1549.7	1555.0	1565.5	1554.3	1533.2
30°	1535.4	1494.1	1495.6	1511.4	1524.9	1513.6	1502.3	1505.4	1506.1	1494.1	1470.0
32.5°	1476.0	1445.2	1450.4	1467.0	1482.8	1470.7	1458.7	1457.2	1442.9	1428.6	1405.3
35°	1416.6	1404.5	1411.3	1424.9	1438.4	1428.6	1421.1	1416.6	1385.7	1364.7	1345.1
37.5°	1362.4	1371.4	1383.5	1391.8	1396.3	1395.5	1391.0	1380.5	1339.8	1315.0	1289.4
40°	1314.3	1342.1	1354.9	1358.7	1365.4	1363.9	1363.2	1348.1	1294.7	1268.4	1239.0
42.5°	1270.6	1309.8	1331.6	1335.3	1339.1	1339.8	1337.6	1315.8	1254.8	1224.0	1196.2
45°	1228.5	1279.7	1307.5	1303.7	1309.0	1309.0	1311.3	1282.7	1215.7	1184.1	1154.8
47.5°	1191.6	1251.8	1277.4	1272.9	1275.9	1278.2	1280.4	1247.3	1172.8	1142.7	1112.7
50°	1157.8	1221.7	1243.6	1245.1	1245.1	1250.3	1249.6	1217.2	1136.7	1104.4	1074.3
52.5°	1121.7	1190.9	1214.2	1224.0	1227.0	1229.3	1218.7	1181.1	1099.9	1060.7	1032.9
55°	1079.6	1159.3	1180.4	1193.1	1199.2	1197.7	1183.4	1145.0	1062.2	1023.1	991.5
57.5°	1015.6	1091.6	1121.7	1127.7	1137.5	1131.5	1114.9	1082.6	1002.1	962.9	930.6
60°	945.6	1000.6	1024.6	1029.9	1022.4	1024.6	1022.4	991.5	921.6	890.7	857.6
62.5°	853.9	902.8	928.3	935.1	922.3	930.6	927.6	889.2	819.3	786.9	757.6
65°	784.6	838.1	868.2	871.9	868.2	871.9	861.4	814.7	748.5	715.4	685.3
67.5°	730.5	785.4	817.0	827.5	823.8	823.0	806.5	752.3	683.8	647.7	609.4
70°	637.2	685.3	726.0	751.5	751.5	737.3	705.7	655.3	600.3	569.5	539.4
72.5°	564.2	625.2	665.0	691.4	696.6	688.4	644.0	590.6	527.4	496.5	464.9
75°	464.9	524.4	567.2	601.8	608.6	599.6	548.4	495.8	437.1	407.0	375.4
77.5°	310.7	346.1	380.7	412.3	405.5	411.5	376.9	337.0	300.9	278.4	264.1
80°	175.3	198.6	209.1	226.4	226.4	226.4	203.9	185.1	164.8	152.0	137.7
82.5°	99.3	114.3	118.9	133.2	136.9	137.7	122.6	110.6	97.8	91.0	81.2
85°	45.9	54.2	54.9	63.2	66.2	72.2	65.5	57.2	49.7	46.6	40.6
87.5°	1.5	4.5	6.0	11.3	15.0	17.3	18.8	18.8	15.8	14.3	12.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7	1686.7
2.5°	1597.1	1615.2	1636.3	1651.3	1678.4	1701.0	1724.3	1749.9	1768.7	1764.1
5°	1516.6	1546.7	1585.1	1620.5	1670.9	1722.0	1778.4	1836.4	1870.2	1868.7
7.5°	1471.5	1514.4	1561.0	1608.4	1667.8	1741.6	1828.1	1918.4	1964.3	1966.5
10°	1495.6	1541.5	1573.1	1612.9	1675.4	1767.9	1871.7	1980.1	2032.7	2043.2
12.5°	1571.6	1567.8	1565.5	1594.1	1669.4	1786.7	1913.9	2043.2	2102.7	2115.5
15°	1643.8	1566.3	1519.6	1539.2	1642.3	1798.7	1955.2	2112.5	2179.4	2193.0
17.5°	1657.3	1540.0	1453.4	1467.0	1599.4	1802.5	1995.1	2180.2	2252.4	2265.2
20°	1619.7	1506.1	1405.3	1386.5	1545.2	1792.7	2019.9	2236.6	2315.6	2329.1
22.5°	1572.3	1476.0	1369.2	1320.3	1479.0	1783.0	2047.8	2296.0	2387.0	2399.1
25°	1522.7	1437.6	1335.3	1260.9	1403.8	1776.9	2094.4	2374.3	2484.1	2498.4
27.5°	1470.0	1391.0	1306.0	1232.3	1334.6	1784.5	2160.6	2500.6	2625.5	2645.8
30°	1413.6	1344.4	1287.2	1222.5	1287.2	1791.2	2233.6	2630.0	2776.7	2805.3
32.5°	1354.9	1301.5	1267.6	1227.0	1257.8	1775.4	2297.5	2775.2	2957.3	2982.1
35°	1296.2	1257.8	1242.8	1235.3	1218.7	1717.5	2349.4	2921.9	3163.4	3185.2
37.5°	1241.3	1212.7	1208.2	1216.5	1158.5	1622.7	2409.6	3108.5	3365.8	3398.9
40°	1190.1	1163.8	1163.1	1161.6	1092.3	1493.3	2490.9	3298.1	3565.2	3580.2
42.5°	1142.7	1109.6	1115.7	1097.6	1038.2	1353.4	2567.6	3459.8	3751.0	3761.5
45°	1100.6	1057.0	1063.8	1041.2	1012.6	1206.7	2635.3	3650.9	3986.4	3993.2
47.5°	1060.0	1013.3	994.5	993.0	1008.1	1071.3	2701.5	4018.8	4355.1	4367.1
50°	1022.4	972.0	918.6	951.7	980.2	969.7	2784.3	4413.0	4735.7	4732.7
52.5°	986.3	920.1	844.1	908.0	908.0	894.5	2760.9	4652.2	5050.2	5102.1
55°	944.9	836.6	766.6	835.1	802.0	826.8	2347.9	4730.5	5248.0	5321.8
57.5°	862.9	733.5	672.6	709.4	659.8	766.6	1686.7	4342.3	4911.8	5042.7
60°	783.9	657.5	617.6	610.9	546.2	625.2	1093.1	3399.6	4042.9	4109.1
62.5°	691.4	592.1	558.2	506.3	439.3	455.1	662.0	2237.3	2716.6	2731.6
65°	621.4	536.4	471.7	410.0	359.6	330.3	391.2	1078.8	1357.9	1339.8
67.5°	533.4	459.7	398.0	353.6	312.2	275.3	260.3	320.5	362.6	350.6
70°	474.7	404.0	344.6	302.4	264.1	227.2	200.9	188.8	185.1	182.1
72.5°	409.3	347.6	285.9	245.2	209.1	175.3	151.2	136.9	133.2	130.1
75°	326.5	268.6	212.1	173.8	142.2	118.1	102.3	90.3	88.0	85.0
77.5°	215.9	172.3	126.4	103.1	84.3	71.5	60.9	53.4	51.9	50.4
80°	118.9	99.3	77.5	62.4	50.4	43.6	39.9	35.4	34.6	33.9
82.5°	70.7	59.4	44.4	35.4	29.3	26.3	24.1	21.8	21.1	20.3
85°	35.4	27.8	19.6	16.6	15.0	13.5	13.5	11.3	10.5	10.5
87.5°	9.0	7.5	4.5	3.8	3.8	3.8	3.0	2.3	2.3	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)