

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: P635567

Luminaire Tested: GWS-SA3E-722-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15182.2 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

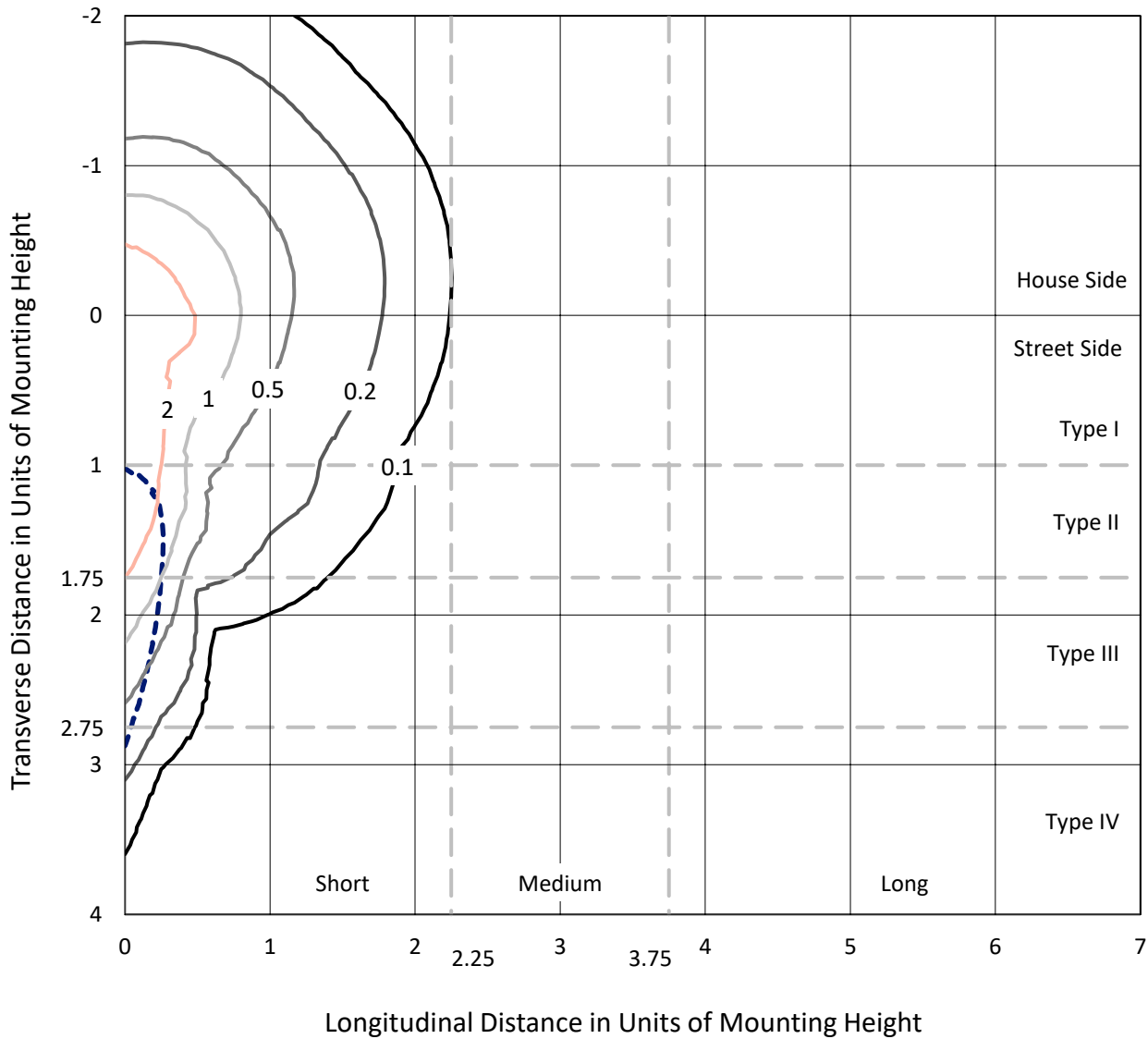
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

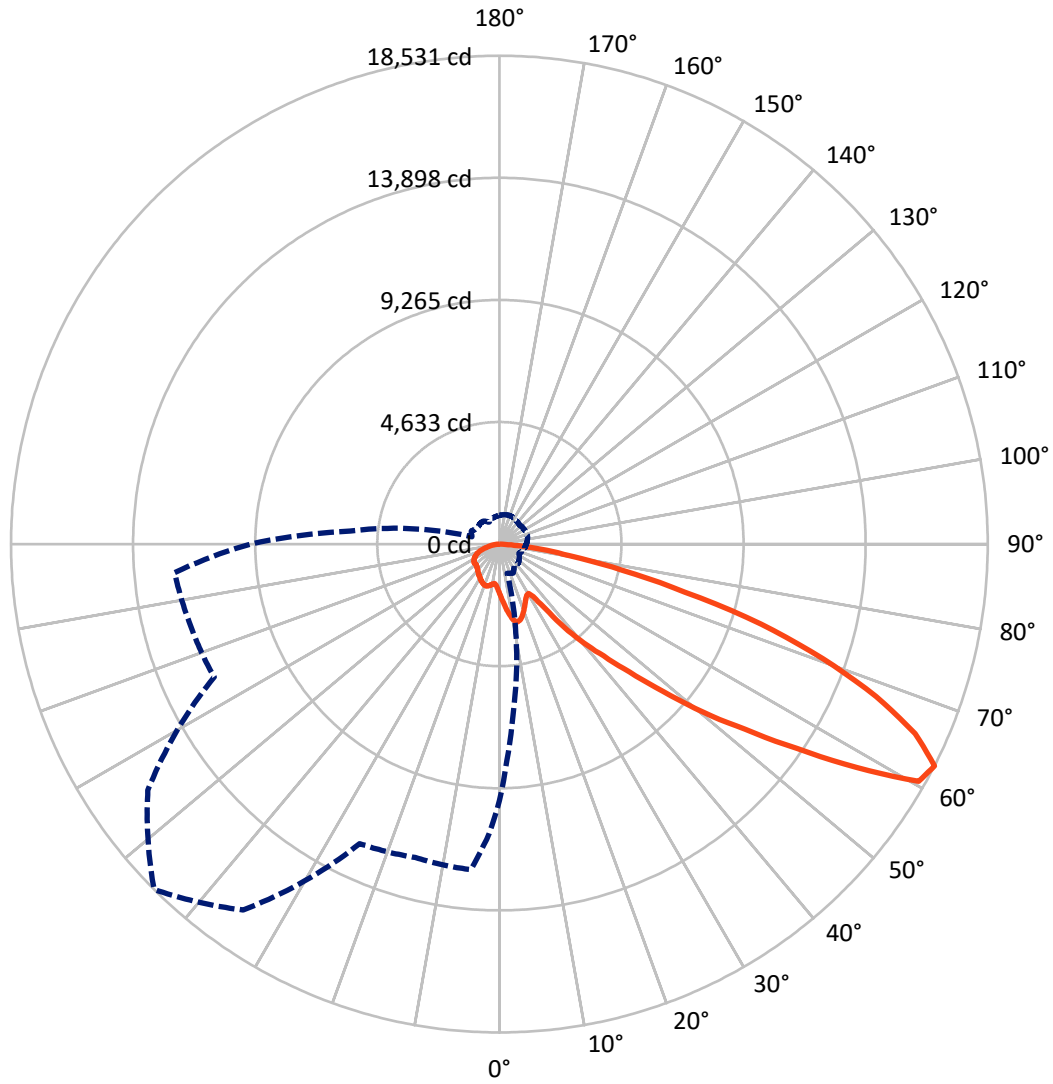
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3630.1	0.0	3630.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	11552.1	0.0	11552.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	15182.2	0.0	15182.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.5	1.2
10°-20°	606.1	4.0
20°-30°	954.1	6.3
30°-40°	1307.7	8.6
40°-50°	2040.5	13.4
50°-60°	3518.2	23.2
60°-70°	4077.1	26.9
70°-80°	2152.1	14.2
80°-90°	340.0	2.2
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°	15182.2	100.0
0°-180°	15182.2	100.0

Coefficient of Utilization



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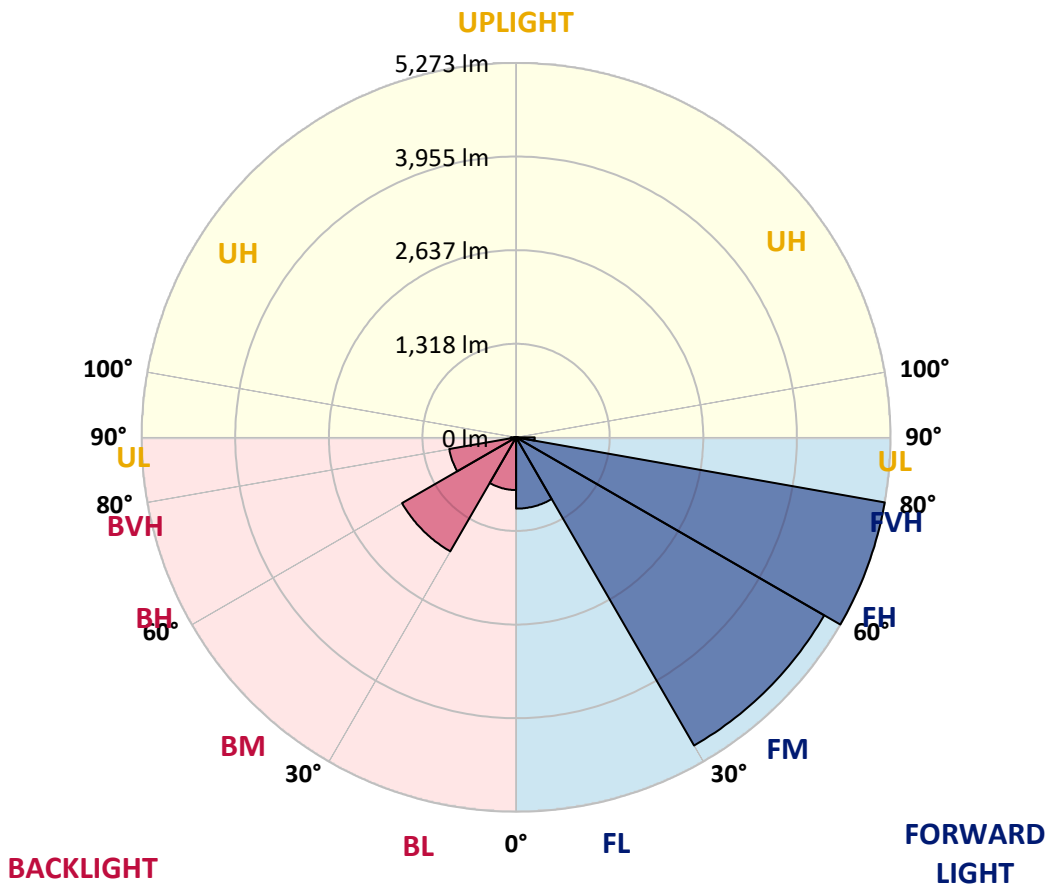
CATALOG NUMBER: GWS-SA3E-722-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1004.1	6.6			
FM (30°-60°)	5012.2	33.0			
FH (60°-80°)	5273.4	34.7			G3/7500
FVH (80°-90°)	262.4	1.7			G3/500
BL (0°-30°)	742.5	4.9	B2/1000		
BM (30°-60°)	1854.2	12.2	B2/2500		
BH (60°-80°)	955.8	6.3	B2/1000		G2/1000
BVH (80°-90°)	77.6	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9
2.5°	2056.6	2048.5	2036.9	1997.4	1973.0	1945.2	1916.1	1882.5	1844.1	1817.4	1790.7
5°	2230.8	2218.1	2190.2	2096.1	2031.1	1960.3	1901.0	1833.7	1767.5	1722.2	1676.9
7.5°	2398.1	2381.8	2338.8	2194.8	2089.2	1987.0	1897.6	1800.0	1701.3	1633.9	1580.5
10°	2565.3	2531.6	2477.0	2288.9	2149.6	2031.1	1928.9	1809.3	1678.1	1586.3	1529.4
12.5°	2693.0	2661.7	2602.5	2374.8	2209.9	2061.3	1946.3	1836.0	1724.5	1627.0	1568.9
15°	2812.6	2772.0	2704.6	2455.0	2259.9	2060.1	1911.5	1815.1	1798.8	1774.5	1699.0
17.5°	2898.6	2861.4	2791.7	2520.0	2287.7	2024.1	1815.1	1758.2	1831.4	1905.7	1833.7
20°	2974.1	2931.1	2860.3	2565.3	2293.6	1944.0	1697.8	1699.0	1813.9	1916.1	1898.7
22.5°	3037.9	2990.3	2927.6	2616.4	2291.2	1832.5	1595.6	1665.3	1780.3	1860.4	1862.7
25°	3116.9	3077.4	3025.2	2691.9	2291.2	1718.7	1521.3	1624.6	1723.4	1790.7	1788.4
27.5°	3213.3	3186.6	3143.6	2806.8	2312.1	1623.5	1479.5	1572.4	1650.2	1708.3	1707.1
30°	3321.3	3296.9	3264.4	2928.8	2348.1	1552.6	1456.3	1507.4	1564.3	1610.7	1610.7
32.5°	3431.6	3422.3	3387.5	3026.3	2320.3	1530.6	1436.5	1442.3	1472.5	1510.8	1507.4
35°	3584.9	3575.6	3531.5	3101.8	2199.5	1499.2	1405.2	1376.1	1379.6	1404.0	1412.1
37.5°	3809.0	3795.1	3730.1	3190.1	2017.2	1420.3	1354.1	1306.5	1296.0	1306.5	1321.6
40°	4079.6	4058.7	3970.5	3309.7	1807.0	1313.4	1273.9	1234.5	1217.0	1220.5	1237.9
42.5°	4418.7	4374.6	4248.0	3436.3	1599.1	1219.4	1184.5	1160.1	1140.4	1138.1	1171.7
45°	4969.2	4848.4	4647.5	3548.9	1423.7	1169.4	1104.4	1087.0	1070.7	1080.0	1119.5
47.5°	5930.7	5707.8	5316.4	3645.3	1316.9	1170.6	1040.5	1021.9	1020.8	1039.4	1083.5
50°	7252.3	6930.6	6326.7	3710.3	1261.2	1184.5	1002.2	972.0	994.1	1012.6	1054.5
52.5°	8518.1	8026.9	7308.0	3709.2	1236.8	1186.8	1012.6	925.5	994.1	998.7	1038.2
55°	9599.2	8709.7	7572.8	3328.3	1201.9	1177.6	1053.3	889.5	981.3	998.7	1030.1
57.5°	10458.6	9144.0	7553.0	2688.4	1307.6	1126.5	1077.7	881.4	944.1	1001.0	1037.0
60°	10363.4	8945.4	7066.5	1650.2	1297.2	1035.9	1074.2	896.5	881.4	969.7	1028.9
62.5°	9730.5	8233.6	6229.2	1145.0	1218.2	983.6	1017.3	923.2	823.4	924.4	989.4
65°	8844.4	7315.0	5191.0	877.9	1009.2	985.9	920.9	904.6	772.3	852.4	922.1
67.5°	7672.7	6175.8	4098.2	695.6	703.7	853.5	836.1	803.6	724.6	788.5	851.2
70°	5768.1	4507.0	2819.6	559.7	533.0	713.0	751.4	722.3	678.2	696.8	763.0
72.5°	4064.5	2942.7	1544.5	443.6	411.1	548.1	652.6	648.0	599.2	613.2	678.2
75°	3020.5	2082.2	965.0	350.7	334.5	392.5	547.0	560.9	520.3	536.5	586.5
77.5°	2010.2	1348.3	536.5	260.1	260.1	286.8	407.6	472.6	442.5	455.2	490.1
80°	1109.0	686.3	268.3	170.7	175.4	197.4	297.3	340.3	341.4	372.8	382.1
82.5°	350.7	218.3	119.6	99.9	94.1	112.6	191.6	243.9	227.6	290.3	267.1
85°	80.1	51.1	22.1	22.1	24.4	37.2	73.2	130.1	166.1	199.7	145.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	51.1	75.5	67.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9
2.5°	1774.5	1751.2	1744.3	1724.5	1722.2	1703.6	1696.6	1696.6	1704.8	1704.8	1712.9
5°	1658.3	1629.3	1613.0	1589.8	1584.0	1570.1	1560.8	1561.9	1572.4	1579.4	1593.3
7.5°	1556.1	1536.4	1524.8	1514.3	1512.0	1509.7	1499.2	1498.1	1501.6	1512.0	1522.5
10°	1513.2	1499.2	1502.7	1510.8	1523.6	1530.6	1521.3	1516.6	1513.2	1520.1	1529.4
12.5°	1555.0	1541.0	1548.0	1561.9	1579.4	1586.3	1582.8	1581.7	1585.2	1611.9	1631.6
15°	1646.7	1620.0	1610.7	1616.5	1630.5	1637.4	1633.9	1638.6	1660.6	1730.3	1780.3
17.5°	1760.5	1695.5	1658.3	1647.9	1653.7	1659.5	1659.5	1671.1	1709.4	1811.6	1874.3
20°	1822.1	1737.3	1674.6	1649.0	1651.4	1657.2	1657.2	1673.4	1716.4	1825.6	1866.2
22.5°	1805.8	1728.0	1651.4	1623.5	1624.6	1629.3	1629.3	1643.2	1681.6	1777.9	1796.5
25°	1741.9	1673.4	1597.9	1573.6	1575.9	1584.0	1581.7	1589.8	1618.8	1697.8	1708.3
27.5°	1665.3	1604.9	1530.6	1512.0	1522.5	1538.7	1524.8	1525.9	1552.6	1618.8	1620.0
30°	1582.8	1532.9	1466.7	1452.8	1472.5	1480.6	1467.9	1467.9	1494.6	1539.9	1538.7
32.5°	1493.4	1462.1	1414.5	1399.4	1421.4	1434.2	1417.9	1420.3	1441.2	1471.4	1459.7
35°	1409.8	1393.6	1371.5	1361.0	1375.0	1386.6	1376.1	1380.8	1400.5	1408.6	1392.4
37.5°	1329.7	1327.4	1329.7	1329.7	1333.2	1336.6	1329.7	1341.3	1358.7	1348.3	1329.7
40°	1260.0	1269.3	1291.4	1285.6	1282.1	1285.6	1280.9	1300.6	1318.1	1299.5	1277.4
42.5°	1201.9	1219.4	1253.0	1253.0	1246.1	1248.4	1246.1	1270.5	1283.2	1257.7	1233.3
45°	1152.0	1177.6	1220.5	1226.3	1214.7	1214.7	1219.4	1249.6	1254.2	1219.4	1193.8
47.5°	1117.2	1148.5	1197.3	1207.7	1190.3	1189.2	1201.9	1234.5	1234.5	1193.8	1164.8
50°	1092.8	1127.6	1185.7	1199.6	1182.2	1177.6	1198.5	1229.8	1222.8	1174.1	1145.0
52.5°	1076.5	1112.5	1184.5	1204.3	1192.6	1188.0	1208.9	1231.0	1213.6	1161.3	1131.1
55°	1066.1	1105.5	1188.0	1204.3	1191.5	1183.4	1204.3	1224.0	1214.7	1154.3	1125.3
57.5°	1071.9	1111.4	1183.4	1191.5	1176.4	1162.5	1186.8	1214.7	1211.2	1156.6	1127.6
60°	1062.6	1098.6	1157.8	1160.1	1134.6	1112.5	1148.5	1190.3	1190.3	1148.5	1123.0
62.5°	1019.6	1055.6	1107.9	1110.2	1081.2	1056.8	1098.6	1148.5	1147.4	1113.7	1087.0
65°	948.8	982.5	1041.7	1047.5	1018.5	992.9	1035.9	1082.3	1085.8	1055.6	1032.4
67.5°	871.0	901.2	945.3	968.5	944.1	917.4	956.9	1001.0	999.9	963.9	939.5
70°	778.1	805.9	846.6	866.3	851.2	825.7	861.7	884.9	874.5	857.0	840.8
72.5°	686.3	713.0	751.4	751.4	735.1	710.7	721.2	763.0	775.7	763.0	752.5
75°	589.9	613.2	639.9	645.7	609.7	565.5	614.3	650.3	665.4	659.6	646.8
77.5°	491.2	508.6	548.1	537.7	470.3	447.1	486.6	540.0	550.5	547.0	529.5
80°	378.6	389.0	430.8	409.9	357.7	342.6	360.0	401.8	404.1	392.5	370.5
82.5°	254.3	268.3	296.1	255.5	254.3	240.4	226.5	231.1	252.0	249.7	234.6
85°	130.1	137.0	163.7	153.3	131.2	113.8	108.0	115.0	103.4	94.1	81.3
87.5°	54.6	59.2	81.3	45.3	13.9	0.0	0.0	7.0	10.5	15.1	16.3
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°	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9
2.5°	1731.5	1744.3	1775.6	1815.1	1853.4	1892.9	1935.9	1962.6	1995.1	2036.9	2038.1
5°	1610.7	1639.7	1685.0	1745.4	1808.1	1880.1	1963.7	2033.4	2117.0	2183.2	2209.9
7.5°	1536.4	1578.2	1635.1	1711.7	1794.2	1883.6	1992.8	2110.1	2247.1	2335.4	2387.6
10°	1543.4	1607.2	1664.1	1729.2	1803.5	1899.9	2040.4	2196.0	2364.4	2480.5	2545.6
12.5°	1667.6	1735.0	1724.5	1721.0	1771.0	1888.3	2078.7	2283.1	2488.6	2604.8	2682.6
15°	1824.4	1849.9	1751.2	1676.9	1707.1	1846.5	2099.6	2360.9	2592.0	2733.7	2810.3
17.5°	1904.5	1853.4	1733.8	1622.3	1614.2	1782.6	2110.1	2439.9	2708.1	2849.8	2931.1
20°	1867.4	1793.0	1692.0	1586.3	1528.3	1695.5	2104.3	2502.6	2813.8	2971.7	3037.9
22.5°	1787.2	1722.2	1643.2	1542.2	1458.6	1600.3	2089.2	2565.3	2907.9	3067.0	3125.0
25°	1700.1	1651.4	1586.3	1498.1	1419.1	1516.6	2078.7	2648.9	3015.9	3168.0	3205.2
27.5°	1613.0	1577.0	1523.6	1455.1	1409.8	1458.6	2082.2	2758.1	3155.2	3299.2	3284.1
30°	1527.1	1495.7	1458.6	1428.4	1408.6	1444.6	2072.9	2874.2	3308.5	3442.1	3352.7
32.5°	1445.8	1416.8	1393.6	1398.2	1409.8	1450.5	2025.3	2979.9	3449.0	3562.8	3427.0
35°	1376.1	1345.9	1345.9	1362.2	1405.2	1430.7	1902.2	3062.3	3604.7	3718.5	3532.7
37.5°	1311.1	1284.4	1301.8	1328.5	1369.2	1377.3	1744.3	3142.5	3831.1	3937.9	3696.4
40°	1254.2	1227.5	1258.8	1292.5	1313.4	1309.9	1584.0	3253.9	4098.2	4208.5	3913.6
42.5°	1208.9	1184.5	1212.4	1255.4	1258.8	1262.3	1466.7	3360.8	4408.3	4548.8	4287.5
45°	1171.7	1154.3	1168.3	1211.2	1211.2	1264.6	1393.6	3450.2	4875.1	5123.6	4973.8
47.5°	1142.7	1132.3	1139.2	1153.2	1176.4	1306.5	1347.1	3518.7	5725.2	6212.9	6061.9
50°	1126.5	1116.0	1125.3	1096.3	1165.9	1327.4	1332.0	3571.0	6845.8	7609.9	7423.0
52.5°	1112.5	1109.0	1114.8	1047.5	1189.2	1313.4	1320.4	3501.3	7597.2	8984.9	9169.6
55°	1107.9	1110.2	1082.3	1011.5	1217.0	1267.0	1285.6	3003.1	7801.6	10170.6	11316.8
57.5°	1110.2	1103.2	1032.4	1015.0	1218.2	1174.1	1335.5	2142.6	7504.3	10686.2	13417.6
60°	1102.1	1067.2	972.0	1046.3	1164.8	1064.9	1299.5	1397.0	6720.4	10290.2	13539.5
62.5°	1066.1	1015.0	919.7	1063.7	1069.5	999.9	1179.9	1076.5	5675.2	9442.5	12364.3
65°	1013.8	945.3	875.6	1027.7	973.2	969.7	887.2	862.8	4563.9	8433.3	11249.4
67.5°	927.9	859.4	843.1	945.3	875.6	859.4	713.0	715.4	3641.8	7357.9	10128.8
70°	830.3	761.8	774.6	854.7	779.2	714.2	577.2	595.7	2762.7	6130.5	8617.9
72.5°	766.5	674.7	675.9	752.5	685.2	578.3	475.0	491.2	1753.6	4620.8	6851.6
75°	646.8	594.6	569.0	609.7	581.8	450.6	399.5	396.0	1039.4	3312.0	5130.6
77.5°	540.0	499.4	486.6	502.8	434.3	333.3	321.7	315.9	588.8	2121.7	3361.9
80°	391.4	380.9	379.7	387.9	334.5	245.0	245.0	246.2	317.0	1152.0	1895.2
82.5°	248.5	271.7	240.4	267.1	227.6	174.2	162.6	184.6	182.3	491.2	799.0
85°	103.4	141.7	132.4	140.5	108.0	95.2	102.2	110.3	105.7	189.3	311.2
87.5°	19.7	23.2	25.5	24.4	24.4	30.2	33.7	40.6	40.6	54.6	94.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9	1892.9
2.5°	2082.2	2115.9	2108.9	2124.0	2104.3	2111.2	2071.7	2061.3	2054.3	2056.6
5°	2295.9	2364.4	2377.2	2402.7	2385.3	2385.3	2315.6	2263.4	2244.8	2230.8
7.5°	2513.0	2611.7	2676.8	2683.7	2674.5	2655.9	2554.8	2460.8	2427.1	2398.1
10°	2705.8	2824.3	2897.4	2932.3	2914.8	2885.8	2760.4	2631.5	2590.8	2565.3
12.5°	2853.3	2957.8	3006.6	3029.8	3027.5	3017.0	2914.8	2775.5	2732.5	2693.0
15°	2948.5	3000.8	2982.2	2981.0	2997.3	3039.1	3007.7	2898.6	2848.6	2812.6
17.5°	3010.1	2960.1	2877.7	2839.4	2874.2	2972.9	3044.9	2983.4	2938.1	2898.6
20°	3032.1	2854.5	2734.8	2664.0	2704.6	2847.5	3025.2	3044.9	3006.6	2974.1
22.5°	3006.6	2725.6	2563.0	2479.4	2518.8	2689.6	2967.1	3094.8	3069.3	3037.9
25°	2943.9	2590.8	2395.7	2320.3	2363.2	2537.4	2863.7	3141.3	3142.5	3116.9
27.5°	2866.1	2466.6	2278.5	2207.6	2249.4	2412.0	2762.7	3181.9	3222.6	3213.3
30°	2787.1	2392.3	2222.7	2172.8	2204.1	2348.1	2659.4	3223.7	3305.0	3321.3
32.5°	2751.1	2428.3	2353.9	2376.0	2335.4	2385.3	2622.2	3283.0	3404.9	3431.6
35°	2798.7	2747.6	2935.7	3022.8	2878.8	2689.6	2669.8	3372.4	3545.4	3584.9
37.5°	3029.8	3431.6	3712.7	4019.2	3769.6	3352.7	2905.6	3524.5	3746.3	3809.0
40°	3532.7	4028.5	4536.0	4932.0	4554.6	3993.7	3353.8	3751.0	4022.7	4079.6
42.5°	4006.5	4588.3	5287.4	5799.5	5309.4	4517.4	3836.9	4131.9	4387.4	4418.7
45°	4471.0	5137.6	6196.7	6908.5	6243.1	5015.6	4330.5	4775.2	4968.0	4969.2
47.5°	5015.6	5756.5	7337.0	8350.9	7482.2	5567.2	4793.8	5793.7	6061.9	5930.7
50°	5667.1	6372.0	8511.1	10028.9	8993.0	6245.4	5382.6	7035.1	7400.9	7252.3
52.5°	6539.2	7050.2	9804.8	11665.2	10639.8	7017.7	6236.1	8674.9	8795.6	8518.1
55°	7766.7	8029.2	11465.4	13685.8	12478.1	7968.8	7484.5	10732.7	10394.7	9599.2
57.5°	10562.0	9578.3	13597.6	15991.0	14558.0	9696.8	10220.5	13001.8	11799.9	10458.6
60°	12900.8	11459.6	15570.6	18278.7	16340.5	11601.3	12789.3	13396.7	11747.6	10363.4
62.5°	12112.3	11939.2	16282.5	18530.7	16949.1	12538.5	12312.0	12401.4	10981.2	9730.5
65°	10627.0	11013.7	15647.2	17335.8	16274.3	11698.9	11136.8	11481.7	10104.4	8844.4
67.5°	9750.2	10034.7	14517.3	15423.1	15048.0	10790.7	10222.9	9973.2	8743.4	7672.7
70°	8853.7	9089.4	12931.0	13022.7	13135.4	9281.0	8359.0	7615.8	6517.2	5768.1
72.5°	7650.6	7663.4	10925.4	10393.6	10607.2	7262.7	6728.5	5693.8	4743.9	4064.5
75°	6418.5	6067.8	8648.1	7265.0	7693.6	5649.7	5587.0	4291.0	3577.9	3020.5
77.5°	4893.7	4483.7	6317.4	4777.6	5403.5	3762.6	4200.4	2910.2	2517.7	2010.2
80°	3285.3	3029.8	3490.8	2696.5	3535.0	2593.2	2739.5	1649.0	1429.6	1109.0
82.5°	1732.6	1479.5	2157.7	1599.1	2132.1	1424.9	1027.7	509.8	434.3	350.7
85°	671.2	776.9	1057.9	569.0	826.8	508.6	297.3	126.6	105.7	80.1
87.5°	130.1	200.9	110.3	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

(END OF REPORT)