

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: P635182

Luminaire Tested: GWS-SA3D-730-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635182
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-SA3D-730-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15019.4 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

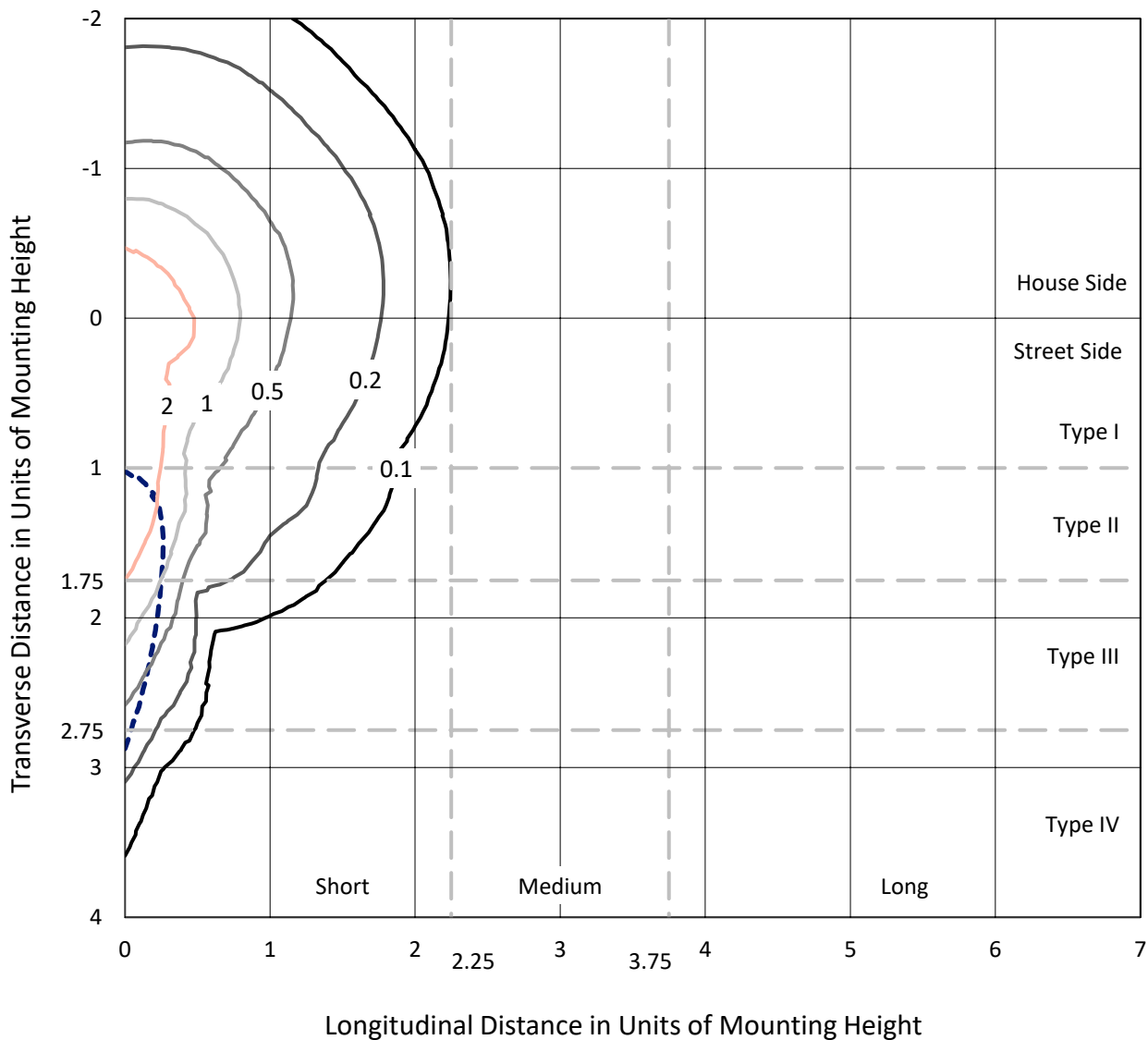
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

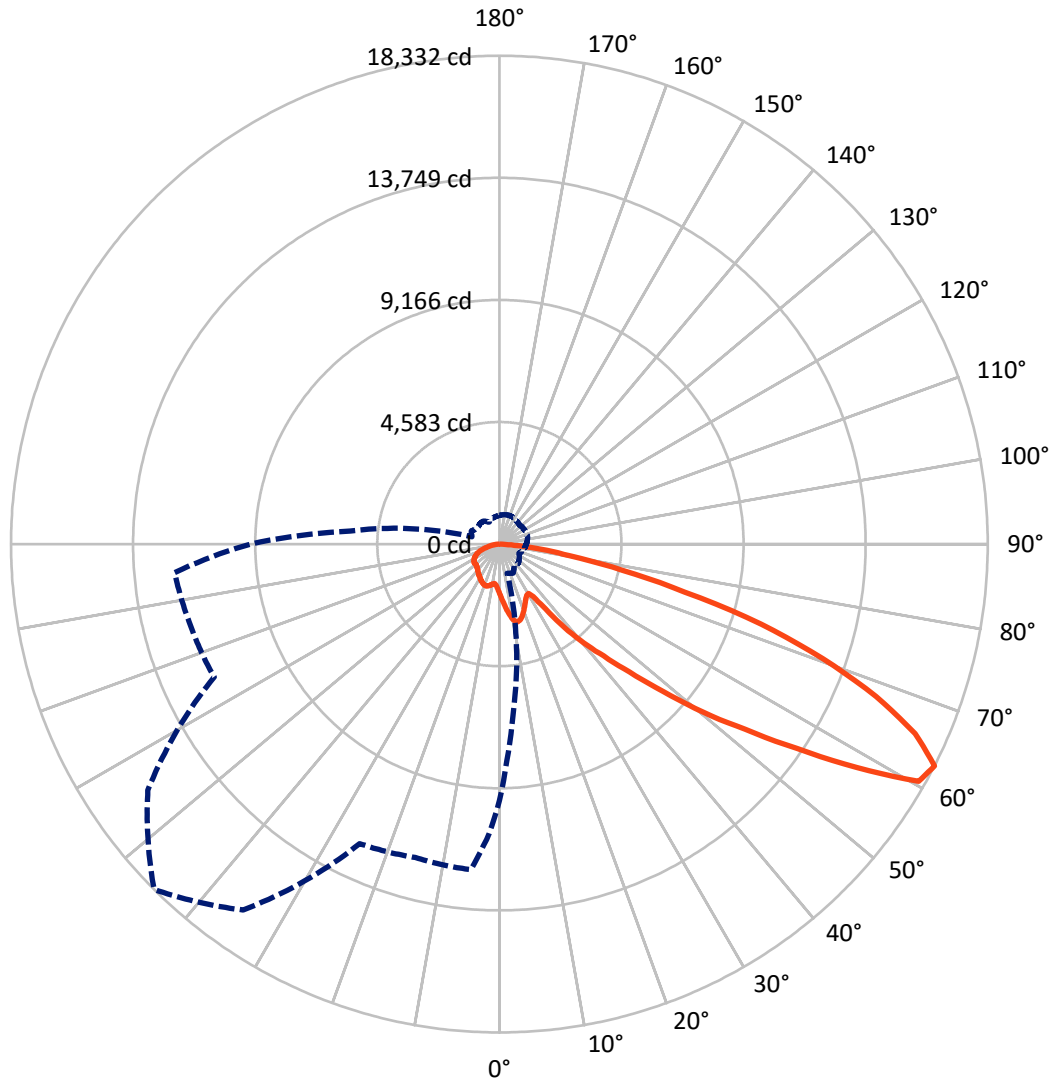
× Max cd
 - - - 1/2 Max cd



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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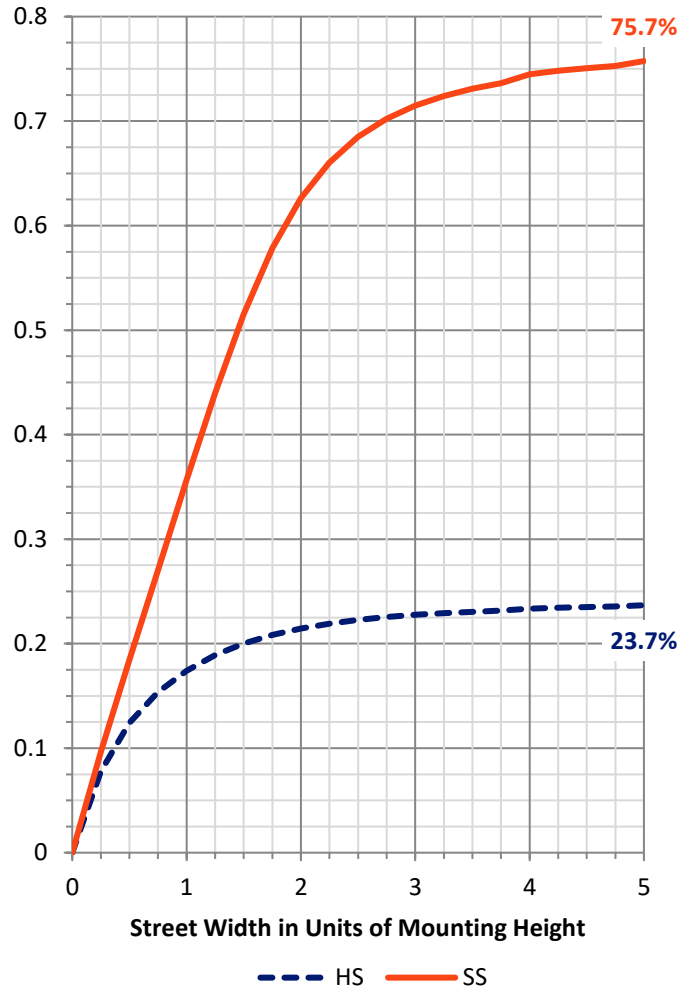
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3591.1	0.0	3591.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	11428.2	0.0	11428.2
	% Fixture	76.1	0.0	76.1
Total	Lumens	15019.4	0.0	15019.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.5	1.2
10°-20°	599.6	4.0
20°-30°	943.8	6.3
30°-40°	1293.7	8.6
40°-50°	2018.6	13.4
50°-60°	3480.5	23.2
60°-70°	4033.4	26.9
70°-80°	2129.0	14.2
80°-90°	336.3	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°	15019.4	100.0
0°-180°	15019.4	100.0

Coefficient of Utilization



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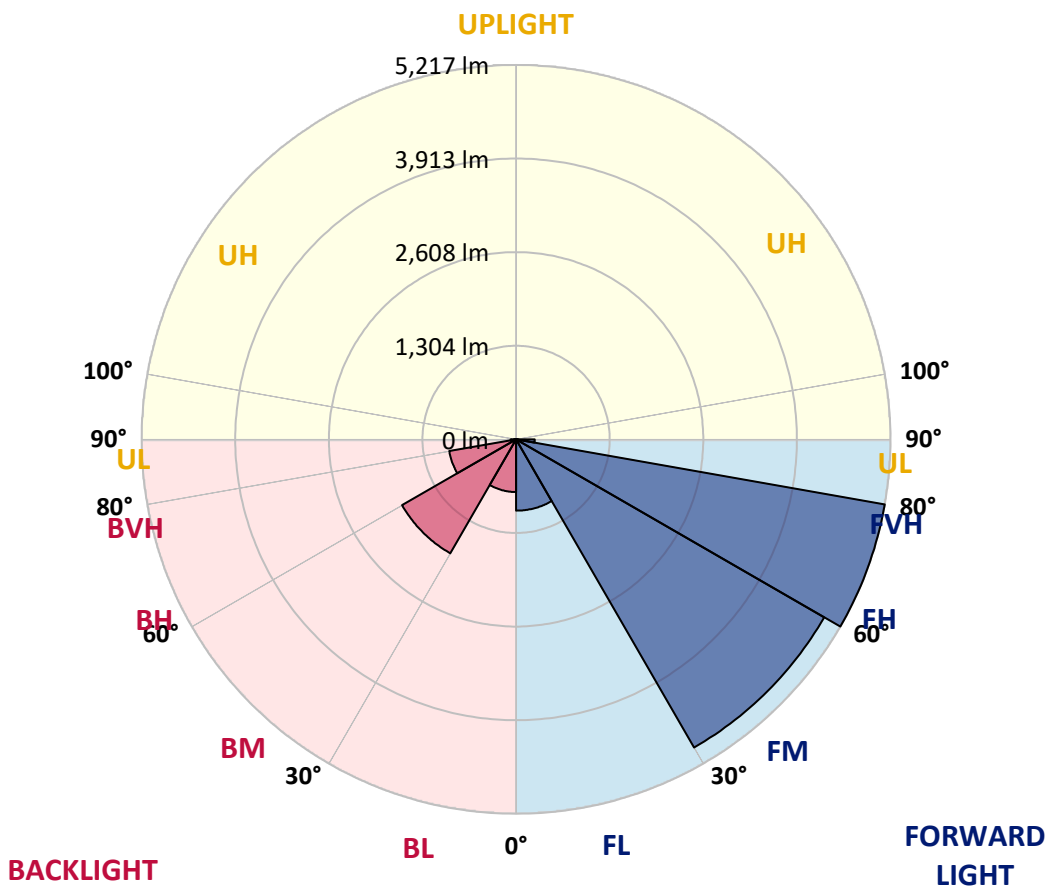
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	993.4	6.6			
FM (30°-60°)	4958.4	33.0			
FH (60°-80°)	5216.9	34.7			G3/7500
FVH (80°-90°)	259.6	1.7			G3/500
BL (0°-30°)	734.5	4.9	B2/1000		
BM (30°-60°)	1834.3	12.2	B2/2500		
BH (60°-80°)	945.6	6.3	B2/1000		G2/1000
BVH (80°-90°)	76.7	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6
2.5°	2034.6	2026.6	2015.1	1976.0	1951.9	1924.3	1895.6	1862.3	1824.4	1797.9	1771.5
5°	2206.9	2194.3	2166.7	2073.7	2009.3	1939.2	1880.7	1814.0	1748.5	1703.7	1658.9
7.5°	2372.4	2356.3	2313.8	2171.3	2066.8	1965.7	1877.2	1780.7	1683.0	1616.4	1563.6
10°	2537.8	2504.5	2450.5	2264.4	2126.5	2009.3	1908.2	1789.9	1660.1	1569.3	1513.0
12.5°	2664.2	2633.1	2574.5	2349.4	2186.2	2039.2	1925.5	1816.3	1706.0	1609.5	1552.1
15°	2782.5	2742.3	2675.6	2428.6	2235.6	2038.0	1891.0	1795.6	1779.6	1755.4	1680.8
17.5°	2867.5	2830.7	2761.8	2493.0	2263.2	2002.4	1795.6	1739.3	1811.7	1885.2	1814.0
20°	2942.2	2899.7	2829.6	2537.8	2269.0	1923.2	1679.6	1680.8	1794.5	1895.6	1878.4
22.5°	3005.4	2958.3	2896.2	2588.3	2266.7	1812.9	1578.5	1647.4	1761.2	1840.4	1842.7
25°	3083.5	3044.4	2992.7	2663.0	2266.7	1700.3	1505.0	1607.2	1704.9	1771.5	1769.2
27.5°	3178.8	3152.4	3109.9	2776.7	2287.3	1606.1	1463.6	1555.5	1632.5	1689.9	1688.8
30°	3285.7	3261.6	3229.4	2897.4	2323.0	1536.0	1440.6	1491.2	1547.5	1593.4	1593.4
32.5°	3394.8	3385.6	3351.2	2993.9	2295.4	1514.2	1421.1	1426.9	1456.7	1494.6	1491.2
35°	3546.5	3537.3	3493.6	3068.5	2175.9	1483.2	1390.1	1361.4	1364.8	1388.9	1397.0
37.5°	3768.2	3754.4	3690.1	3155.9	1995.5	1405.0	1339.5	1292.4	1282.1	1292.4	1307.4
40°	4035.9	4015.2	3927.9	3274.2	1787.6	1299.3	1260.3	1221.2	1204.0	1207.4	1224.7
42.5°	4371.3	4327.7	4202.5	3399.4	1582.0	1206.3	1171.8	1147.7	1128.2	1125.9	1159.2
45°	4915.9	4796.4	4597.7	3510.9	1408.5	1156.9	1092.5	1075.3	1059.2	1068.4	1107.5
47.5°	5867.1	5646.5	5259.4	3606.2	1302.8	1158.0	1029.4	1011.0	1009.8	1028.2	1071.9
50°	7174.5	6856.3	6258.9	3670.5	1247.6	1171.8	991.4	961.6	983.4	1001.8	1043.1
52.5°	8426.7	7940.8	7229.6	3669.4	1223.5	1174.1	1001.8	915.6	983.4	988.0	1027.1
55°	9496.3	8616.3	7491.6	3292.6	1189.0	1164.9	1042.0	880.0	970.8	988.0	1019.0
57.5°	10346.4	9046.0	7472.1	2659.6	1293.6	1114.4	1066.1	872.0	934.0	990.3	1025.9
60°	10252.2	8849.5	6990.7	1632.5	1283.3	1024.8	1062.7	886.9	872.0	959.3	1017.9
62.5°	9626.1	8145.3	6162.4	1132.8	1205.1	973.1	1006.4	913.3	814.5	914.5	978.8
65°	8749.6	7236.5	5135.3	868.5	998.3	975.4	911.0	894.9	764.0	843.2	912.2
67.5°	7590.4	6109.5	4054.3	688.2	696.2	844.4	827.2	795.0	716.9	780.1	842.1
70°	5706.3	4458.6	2789.4	553.7	527.3	705.4	743.3	714.6	670.9	689.3	754.8
72.5°	4020.9	2911.2	1528.0	438.9	406.7	542.3	645.6	641.1	592.8	606.6	670.9
75°	2988.1	2059.9	954.7	346.9	330.9	388.3	541.1	554.9	514.7	530.8	580.2
77.5°	1988.6	1333.8	530.8	257.3	257.3	283.8	403.2	467.6	437.7	450.3	484.8
80°	1097.1	679.0	265.4	168.9	173.5	195.3	294.1	336.6	337.8	368.8	378.0
82.5°	346.9	216.0	118.3	98.8	93.1	111.4	189.6	241.3	225.2	287.2	264.2
85°	79.3	50.5	21.8	21.8	24.1	36.8	72.4	128.7	164.3	197.6	143.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	50.5	74.7	66.6
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°	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6
2.5°	1755.4	1732.4	1725.6	1706.0	1703.7	1685.3	1678.5	1678.5	1686.5	1686.5	1694.5
5°	1640.5	1611.8	1595.7	1572.8	1567.0	1553.2	1544.0	1545.2	1555.5	1562.4	1576.2
7.5°	1539.4	1519.9	1508.4	1498.1	1495.8	1493.5	1483.2	1482.0	1485.4	1495.8	1506.1
10°	1496.9	1483.2	1486.6	1494.6	1507.3	1514.2	1505.0	1500.4	1496.9	1503.8	1513.0
12.5°	1538.3	1524.5	1531.4	1545.2	1562.4	1569.3	1565.9	1564.7	1568.2	1594.6	1614.1
15°	1629.1	1602.6	1593.4	1599.2	1613.0	1619.9	1616.4	1621.0	1642.8	1711.8	1761.2
17.5°	1741.6	1677.3	1640.5	1630.2	1635.9	1641.7	1641.7	1653.2	1691.1	1792.2	1854.2
20°	1802.5	1718.7	1656.6	1631.4	1633.6	1639.4	1639.4	1655.5	1698.0	1806.0	1846.2
22.5°	1786.4	1709.5	1633.6	1606.1	1607.2	1611.8	1611.8	1625.6	1663.5	1758.9	1777.3
25°	1723.3	1655.5	1580.8	1556.7	1559.0	1567.0	1564.7	1572.8	1601.5	1679.6	1689.9
27.5°	1647.4	1587.7	1514.2	1495.8	1506.1	1522.2	1508.4	1509.6	1536.0	1601.5	1602.6
30°	1565.9	1516.5	1451.0	1437.2	1456.7	1464.8	1452.1	1452.1	1478.6	1523.4	1522.2
32.5°	1477.4	1446.4	1399.3	1384.4	1406.2	1418.8	1402.7	1405.0	1425.7	1455.6	1444.1
35°	1394.7	1378.6	1356.8	1346.4	1360.2	1371.7	1361.4	1366.0	1385.5	1393.5	1377.5
37.5°	1315.4	1313.1	1315.4	1315.4	1318.9	1322.3	1315.4	1326.9	1344.1	1333.8	1315.4
40°	1246.5	1255.7	1277.5	1271.8	1268.3	1271.8	1267.2	1286.7	1303.9	1285.6	1263.7
42.5°	1189.0	1206.3	1239.6	1239.6	1232.7	1235.0	1232.7	1256.8	1269.5	1244.2	1220.1
45°	1139.6	1164.9	1207.4	1213.2	1201.7	1201.7	1206.3	1236.2	1240.7	1206.3	1181.0
47.5°	1105.2	1136.2	1184.5	1194.8	1177.6	1176.4	1189.0	1221.2	1221.2	1181.0	1152.3
50°	1081.1	1115.5	1173.0	1186.8	1169.5	1164.9	1185.6	1216.6	1209.7	1161.5	1132.8
52.5°	1065.0	1100.6	1171.8	1191.3	1179.9	1175.3	1195.9	1217.8	1200.5	1148.8	1119.0
55°	1054.6	1093.7	1175.3	1191.3	1178.7	1170.7	1191.3	1210.9	1201.7	1141.9	1113.2
57.5°	1060.4	1099.4	1170.7	1178.7	1163.8	1150.0	1174.1	1201.7	1198.2	1144.2	1115.5
60°	1051.2	1086.8	1145.4	1147.7	1122.4	1100.6	1136.2	1177.6	1177.6	1136.2	1110.9
62.5°	1008.7	1044.3	1096.0	1098.3	1069.6	1045.4	1086.8	1136.2	1135.1	1101.7	1075.3
65°	938.6	971.9	1030.5	1036.3	1007.5	982.3	1024.8	1070.7	1074.2	1044.3	1021.3
67.5°	861.6	891.5	935.2	958.1	934.0	907.6	946.6	990.3	989.2	953.5	929.4
70°	769.7	797.3	837.5	857.0	842.1	816.8	852.4	875.4	865.1	847.8	831.8
72.5°	679.0	705.4	743.3	743.3	727.2	703.1	713.4	754.8	767.4	754.8	744.4
75°	583.6	606.6	633.0	638.8	603.1	559.5	607.7	643.4	658.3	652.5	639.9
77.5°	486.0	503.2	542.3	531.9	465.3	442.3	481.4	534.2	544.5	541.1	523.9
80°	374.5	384.9	426.2	405.5	353.8	338.9	356.1	397.5	399.8	388.3	366.5
82.5°	251.6	265.4	293.0	252.7	251.6	237.8	224.0	228.6	249.3	247.0	232.1
85°	128.7	135.6	162.0	151.6	129.8	112.6	106.8	113.7	102.2	93.1	80.4
87.5°	54.0	58.6	80.4	44.8	13.8	0.0	0.0	6.9	10.3	14.9	16.1
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°	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6
2.5°	1712.9	1725.6	1756.6	1795.6	1833.5	1872.6	1915.1	1941.5	1973.7	2015.1	2016.2
5°	1593.4	1622.2	1667.0	1726.7	1788.7	1860.0	1942.7	2011.6	2094.3	2159.8	2186.2
7.5°	1519.9	1561.3	1617.6	1693.4	1775.0	1863.4	1971.4	2087.4	2223.0	2310.3	2362.0
10°	1526.8	1590.0	1646.3	1710.6	1784.1	1879.5	2018.5	2172.5	2339.0	2453.9	2518.3
12.5°	1649.7	1716.4	1706.0	1702.6	1752.0	1868.0	2056.4	2258.6	2462.0	2576.8	2653.8
15°	1804.8	1830.1	1732.4	1658.9	1688.8	1826.7	2077.1	2335.6	2564.2	2704.4	2780.2
17.5°	1884.1	1833.5	1715.2	1604.9	1596.9	1763.5	2087.4	2413.7	2679.1	2819.3	2899.7
20°	1847.3	1773.8	1673.9	1569.3	1511.9	1677.3	2081.7	2475.7	2783.6	2939.9	3005.4
22.5°	1768.1	1703.7	1625.6	1525.7	1442.9	1583.1	2066.8	2537.8	2876.7	3034.1	3091.5
25°	1681.9	1633.6	1569.3	1482.0	1403.9	1500.4	2056.4	2620.5	2983.5	3134.0	3170.8
27.5°	1595.7	1560.1	1507.3	1439.5	1394.7	1442.9	2059.9	2728.5	3121.4	3263.9	3248.9
30°	1510.7	1479.7	1442.9	1413.1	1393.5	1429.2	2050.7	2843.4	3273.0	3405.2	3316.7
32.5°	1430.3	1401.6	1378.6	1383.2	1394.7	1434.9	2003.6	2947.9	3412.1	3524.6	3390.2
35°	1361.4	1331.5	1331.5	1347.6	1390.1	1415.4	1881.8	3029.5	3566.0	3678.6	3494.8
37.5°	1297.0	1270.6	1287.8	1314.3	1354.5	1362.5	1725.6	3108.8	3790.0	3895.7	3656.8
40°	1240.7	1214.3	1245.3	1278.7	1299.3	1295.9	1567.0	3219.0	4054.3	4163.4	3871.6
42.5°	1195.9	1171.8	1199.4	1241.9	1245.3	1248.8	1451.0	3324.7	4361.0	4500.0	4241.5
45°	1159.2	1141.9	1155.7	1198.2	1198.2	1251.1	1378.6	3413.2	4822.8	5068.7	4920.5
47.5°	1130.5	1120.1	1127.0	1140.8	1163.8	1292.4	1332.7	3481.0	5663.8	6146.3	5996.9
50°	1114.4	1104.0	1113.2	1084.5	1153.4	1313.1	1317.7	3532.7	6772.4	7528.3	7343.4
52.5°	1100.6	1097.1	1102.9	1036.3	1176.4	1299.3	1306.2	3463.8	7515.7	8888.6	9071.2
55°	1096.0	1098.3	1070.7	1000.6	1204.0	1253.4	1271.8	2970.9	7717.9	10061.5	11195.4
57.5°	1098.3	1091.4	1021.3	1004.1	1205.1	1161.5	1321.2	2119.6	7423.8	10571.6	13273.7
60°	1090.2	1055.8	961.6	1035.1	1152.3	1053.5	1285.6	1382.1	6648.3	10179.9	13394.3
62.5°	1054.6	1004.1	909.9	1052.3	1058.1	989.2	1167.2	1065.0	5614.4	9341.2	12231.7
65°	1002.9	935.2	866.2	1016.7	962.7	959.3	877.7	853.6	4514.9	8342.9	11128.8
67.5°	917.9	850.1	834.1	935.2	866.2	850.1	705.4	707.7	3602.8	7279.0	10020.2
70°	821.4	753.6	766.3	845.5	770.9	706.5	571.0	589.4	2733.1	6064.7	8525.5
72.5°	758.2	667.5	668.6	744.4	677.8	572.1	469.9	486.0	1734.7	4571.2	6778.2
75°	639.9	588.2	562.9	603.1	575.6	445.7	395.2	391.8	1028.2	3276.5	5075.6
77.5°	534.2	494.0	481.4	497.4	429.7	329.7	318.2	312.5	582.5	2098.9	3325.9
80°	387.2	376.8	375.7	383.7	330.9	242.4	242.4	243.6	313.6	1139.6	1874.9
82.5°	245.9	268.8	237.8	264.2	225.2	172.3	160.8	182.7	180.4	486.0	790.4
85°	102.2	140.2	131.0	139.0	106.8	94.2	101.1	109.1	104.5	187.3	307.9
87.5°	19.5	23.0	25.3	24.1	24.1	29.9	33.3	40.2	40.2	54.0	93.1
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°	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6
2.5°	2059.9	2093.2	2086.3	2101.2	2081.7	2088.6	2049.5	2039.2	2032.3	2034.6
5°	2271.3	2339.0	2351.7	2376.9	2359.7	2359.7	2290.8	2239.1	2220.7	2206.9
7.5°	2486.1	2583.7	2648.1	2655.0	2645.8	2627.4	2527.4	2434.4	2401.1	2372.4
10°	2676.8	2794.0	2866.4	2900.8	2883.6	2854.9	2730.8	2603.3	2563.1	2537.8
12.5°	2822.7	2926.1	2974.3	2997.3	2995.0	2984.7	2883.6	2745.7	2703.2	2664.2
15°	2916.9	2968.6	2950.2	2949.1	2965.2	3006.5	2975.5	2867.5	2818.1	2782.5
17.5°	2977.8	2928.4	2846.8	2808.9	2843.4	2941.0	3012.3	2951.4	2906.6	2867.5
20°	2999.6	2823.8	2705.5	2635.4	2675.6	2817.0	2992.7	3012.3	2974.3	2942.2
22.5°	2974.3	2696.3	2535.5	2452.8	2491.8	2660.7	2935.3	3061.7	3036.4	3005.4
25°	2912.3	2563.1	2370.1	2295.4	2337.9	2510.2	2833.0	3107.6	3108.8	3083.5
27.5°	2835.3	2440.1	2254.0	2183.9	2225.3	2386.1	2733.1	3147.8	3188.0	3178.8
30°	2757.2	2366.6	2198.9	2149.5	2180.5	2323.0	2630.8	3189.2	3269.6	3285.7
32.5°	2721.6	2402.2	2328.7	2350.5	2310.3	2359.7	2594.1	3247.8	3368.4	3394.8
35°	2768.7	2718.2	2904.3	2990.4	2848.0	2660.7	2641.2	3336.2	3507.4	3546.5
37.5°	2997.3	3394.8	3672.8	3976.1	3729.1	3316.7	2874.4	3486.7	3706.2	3768.2
40°	3494.8	3985.3	4487.4	4879.1	4505.7	3950.9	3317.8	3710.8	3979.6	4035.9
42.5°	3963.5	4539.1	5230.7	5737.3	5252.5	4469.0	3795.8	4087.6	4340.3	4371.3
45°	4423.0	5082.5	6130.2	6834.4	6176.2	4961.8	4284.0	4724.0	4914.7	4915.9
47.5°	4961.8	5694.8	7258.4	8261.3	7402.0	5507.5	4742.4	5731.6	5996.9	5867.1
50°	5606.3	6303.7	8419.8	9921.4	8896.6	6178.5	5324.9	6959.7	7321.6	7174.5
52.5°	6469.1	6974.6	9699.7	11540.1	10525.7	6942.4	6169.3	8581.8	8701.3	8426.7
55°	7683.4	7943.1	11342.5	13539.1	12344.3	7883.3	7404.3	10617.6	10283.3	9496.3
57.5°	10448.7	9475.6	13451.8	15819.5	14401.9	9592.8	10110.9	12862.4	11673.4	10346.4
60°	12762.5	11336.7	15403.6	18082.7	16165.3	11476.9	12652.2	13253.0	11621.7	10252.2
62.5°	11982.4	11811.2	16107.9	18332.0	16767.3	12404.0	12180.0	12268.5	10863.4	9626.1
65°	10513.0	10895.6	15479.5	17149.9	16099.8	11573.4	11017.4	11358.6	9996.1	8749.6
67.5°	9645.7	9927.1	14361.6	15257.7	14886.7	10675.0	10113.2	9866.2	8649.6	7590.4
70°	8758.8	8992.0	12792.3	12883.1	12994.5	9181.5	8269.3	7534.1	6447.3	5706.3
72.5°	7568.6	7581.2	10808.3	10282.1	10493.5	7184.8	6656.4	5632.8	4693.0	4020.9
75°	6349.6	6002.7	8555.4	7187.1	7611.1	5589.1	5527.1	4245.0	3539.6	2988.1
77.5°	4841.2	4435.7	6249.7	4726.3	5345.5	3722.2	4155.4	2879.0	2490.7	1988.6
80°	3250.1	2997.3	3453.4	2667.6	3497.1	2565.4	2710.1	1631.4	1414.2	1097.1
82.5°	1714.1	1463.6	2134.5	1582.0	2109.3	1409.6	1016.7	504.3	429.7	346.9
85°	664.0	768.6	1046.6	562.9	818.0	503.2	294.1	125.2	104.5	79.3
87.5°	128.7	198.7	109.1	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)