

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: P635347

Luminaire Tested: GWS-SA3D-750-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635347
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-750-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16871.6 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

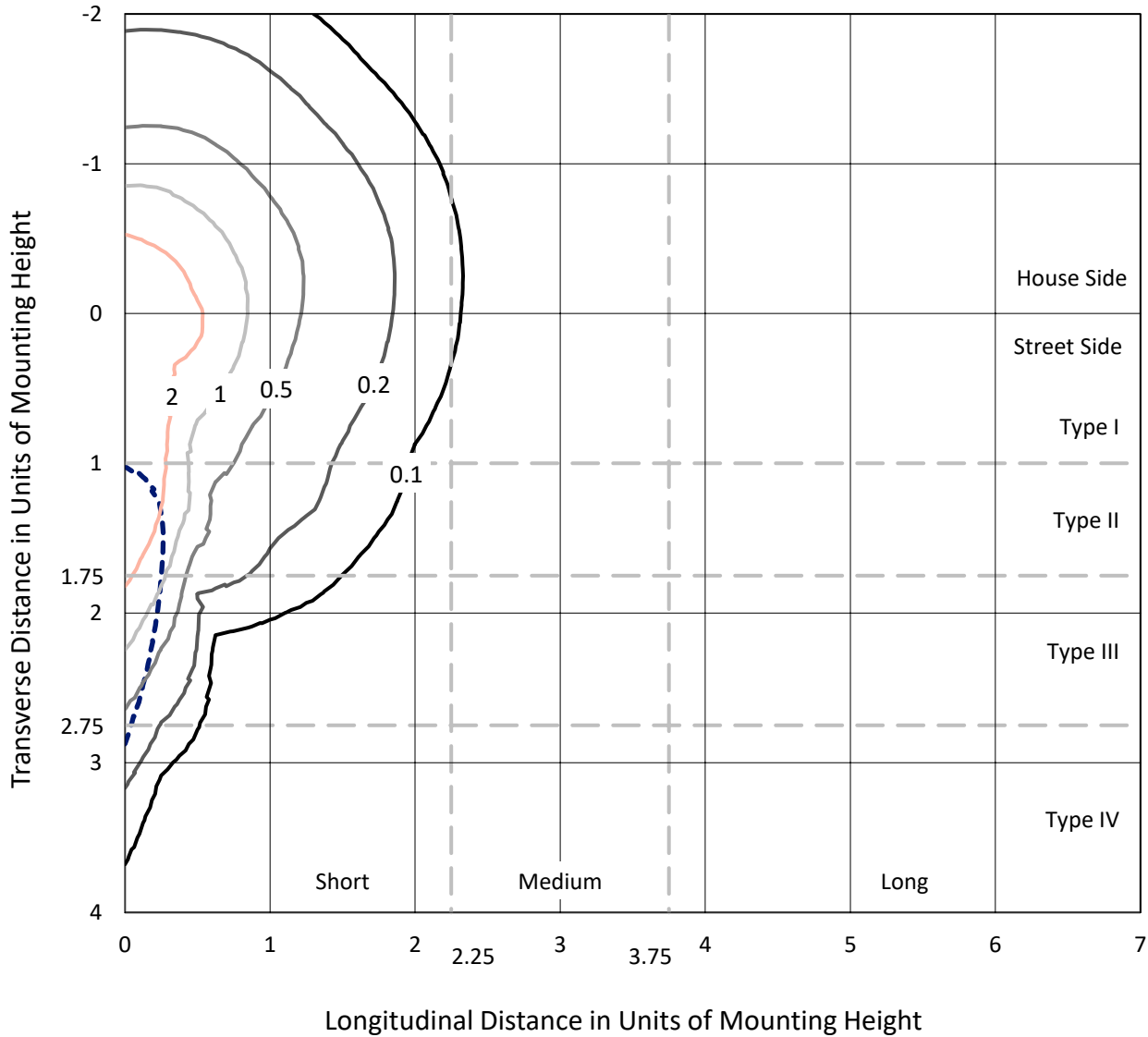
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

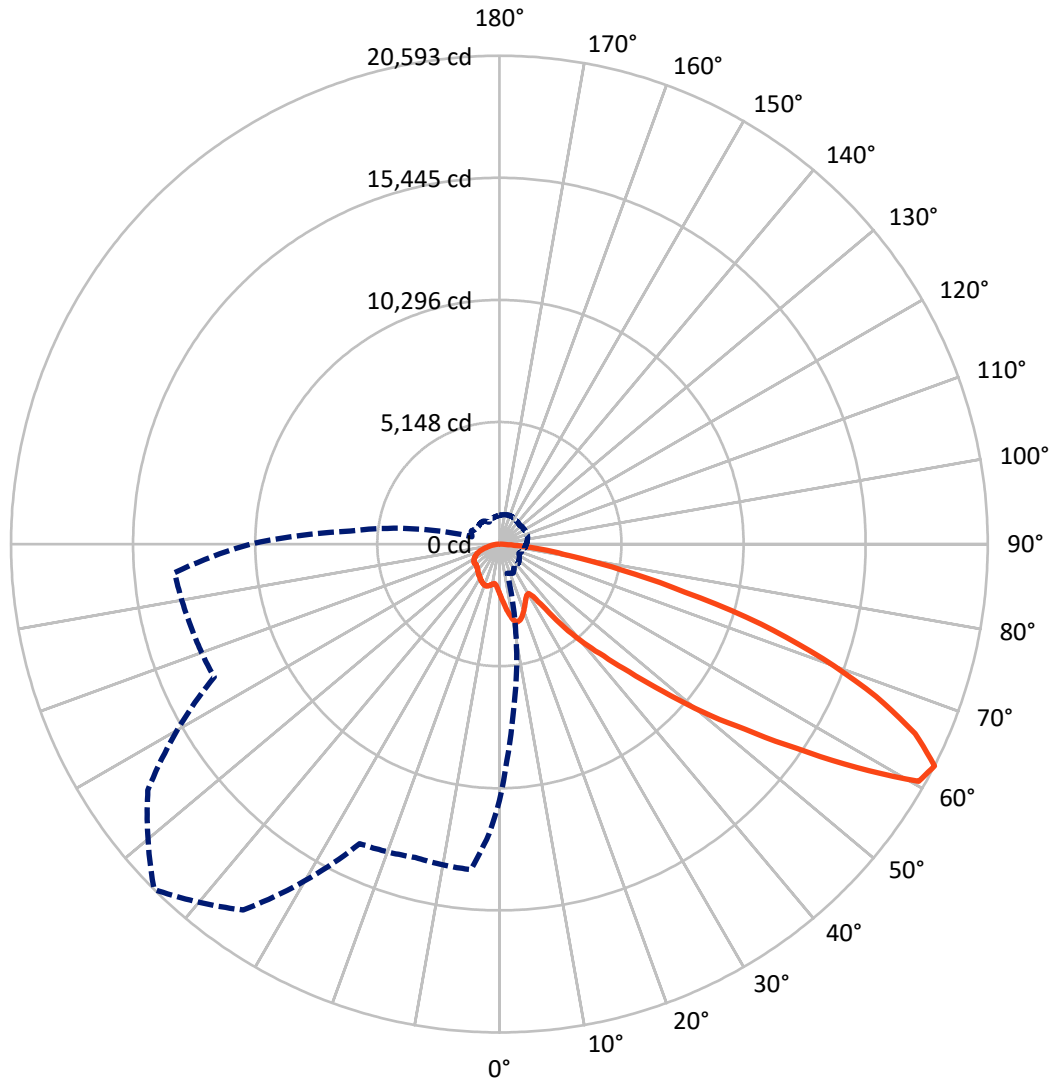
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	4034.0	0.0	4034.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	12837.6	0.0	12837.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	16871.6	0.0	16871.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.2	1.2
10°-20°	673.5	4.0
20°-30°	1060.2	6.3
30°-40°	1453.3	8.6
40°-50°	2267.5	13.4
50°-60°	3909.7	23.2
60°-70°	4530.8	26.9
70°-80°	2391.6	14.2
80°-90°	377.8	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°	16871.6	100.0
0°-180°	16871.6	100.0

Coefficient of Utilization



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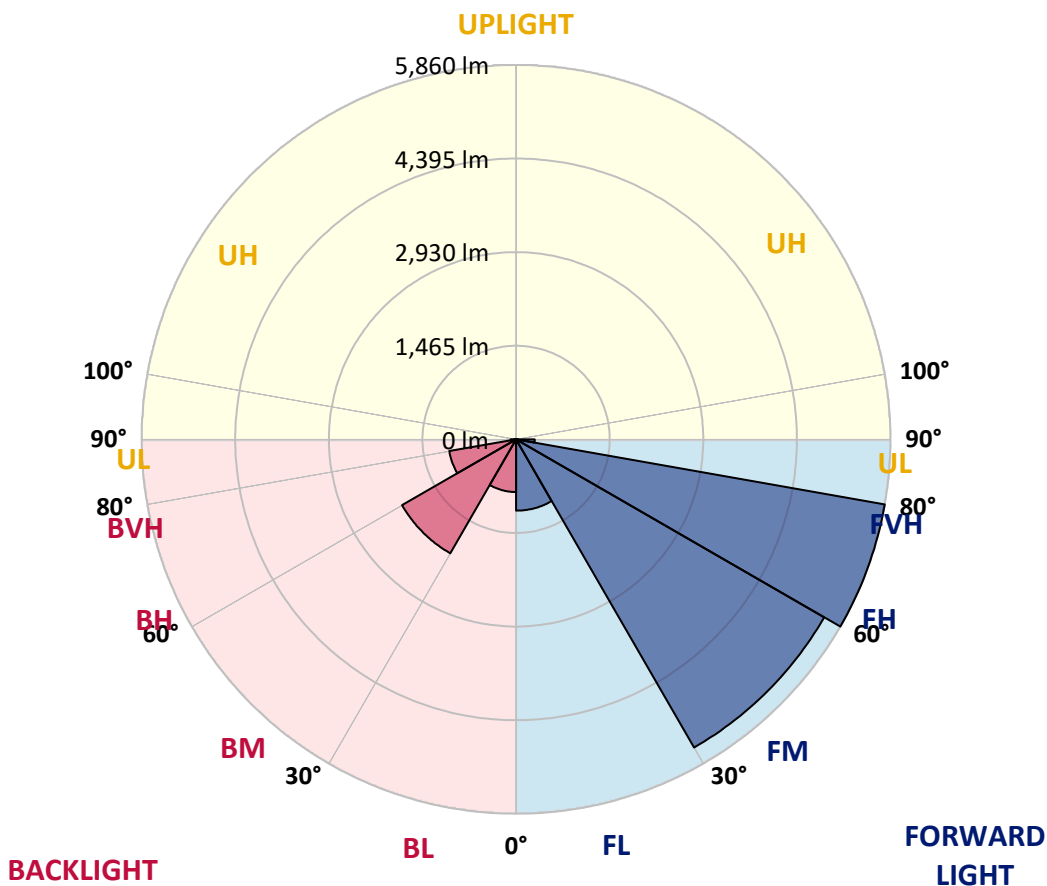
CATALOG NUMBER: GWS-SA3D-750-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1115.9	6.6			
FM (30°-60°)	5569.9	33.0			
FH (60°-80°)	5860.2	34.7			G3/7500
FVH (80°-90°)	291.6	1.7			G3/500
BL (0°-30°)	825.1	4.9	B2/1000		
BM (30°-60°)	2060.6	12.2	B2/2500		
BH (60°-80°)	1062.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	86.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5
2.5°	2285.5	2276.5	2263.6	2219.7	2192.6	2161.6	2129.3	2091.9	2049.3	2019.7	1990.0
5°	2479.1	2464.9	2433.9	2329.4	2257.1	2178.4	2112.6	2037.7	1964.2	1913.8	1863.5
7.5°	2664.9	2646.8	2599.1	2439.1	2321.6	2208.1	2108.7	2000.3	1890.6	1815.8	1756.4
10°	2850.7	2813.3	2752.7	2543.6	2388.7	2257.1	2143.5	2010.6	1864.8	1762.8	1699.6
12.5°	2992.7	2957.9	2892.0	2639.1	2455.8	2290.7	2162.9	2040.3	1916.4	1808.0	1743.5
15°	3125.6	3080.5	3005.6	2728.1	2511.3	2289.4	2124.2	2017.1	1999.0	1971.9	1888.0
17.5°	3221.1	3179.8	3102.4	2800.4	2542.3	2249.4	2017.1	1953.8	2035.1	2117.7	2037.7
20°	3305.0	3257.3	3178.5	2850.7	2548.8	2160.3	1886.7	1888.0	2015.8	2129.3	2110.0
22.5°	3376.0	3323.1	3253.4	2907.5	2546.2	2036.4	1773.2	1850.6	1978.4	2067.4	2070.0
25°	3463.7	3419.9	3361.8	2991.4	2546.2	1910.0	1690.6	1805.4	1915.1	1990.0	1987.4
27.5°	3570.9	3541.2	3493.4	3119.2	2569.4	1804.1	1644.1	1747.4	1833.8	1898.3	1897.1
30°	3690.9	3663.8	3627.6	3254.7	2609.4	1725.4	1618.3	1675.1	1738.3	1789.9	1789.9
32.5°	3813.5	3803.1	3764.4	3363.1	2578.4	1700.9	1596.4	1602.8	1636.4	1679.0	1675.1
35°	3983.8	3973.5	3924.5	3447.0	2444.2	1666.1	1561.5	1529.3	1533.1	1560.2	1569.3
37.5°	4232.9	4217.4	4145.1	3545.0	2241.6	1578.3	1504.7	1451.8	1440.2	1451.8	1468.6
40°	4533.6	4510.3	4412.3	3678.0	2008.0	1459.6	1415.7	1371.8	1352.5	1356.3	1375.7
42.5°	4910.4	4861.4	4720.7	3818.6	1777.0	1355.0	1316.3	1289.2	1267.3	1264.7	1302.1
45°	5522.1	5387.9	5164.6	3943.8	1582.2	1299.5	1227.3	1207.9	1189.9	1200.2	1244.1
47.5°	6590.7	6342.9	5908.0	4050.9	1463.4	1300.8	1156.3	1135.7	1134.4	1155.0	1204.1
50°	8059.3	7701.8	7030.7	4123.2	1401.5	1316.3	1113.7	1080.2	1104.7	1125.3	1171.8
52.5°	9465.9	8920.0	8121.2	4121.9	1374.4	1318.9	1125.3	1028.5	1104.7	1109.8	1153.7
55°	10667.4	9678.9	8415.4	3698.6	1335.7	1308.6	1170.5	988.5	1090.5	1109.8	1144.7
57.5°	11622.4	10161.5	8393.5	2987.5	1453.1	1251.8	1197.6	979.5	1049.2	1112.4	1152.4
60°	11516.6	9940.8	7852.8	1833.8	1441.5	1151.1	1193.7	996.3	979.5	1077.6	1143.4
62.5°	10813.2	9149.8	6922.3	1272.4	1353.8	1093.1	1130.5	1026.0	915.0	1027.2	1099.5
65°	9828.6	8129.0	5768.6	975.6	1121.5	1095.6	1023.4	1005.3	858.2	947.2	1024.7
67.5°	8526.4	6863.0	4554.2	773.0	782.1	948.5	929.2	893.0	805.3	876.3	945.9
70°	6410.0	5008.5	3133.4	622.0	592.3	792.4	835.0	802.7	753.7	774.3	847.9
72.5°	4516.8	3270.2	1716.4	493.0	456.8	609.1	725.3	720.1	665.9	681.4	753.7
75°	3356.6	2313.9	1072.4	389.7	371.7	436.2	607.8	623.3	578.2	596.2	651.7
77.5°	2233.9	1498.3	596.2	289.1	289.1	318.8	453.0	525.2	491.7	505.9	544.6
80°	1232.4	762.7	298.1	189.7	194.9	219.4	330.4	378.1	379.4	414.3	424.6
82.5°	389.7	242.6	132.9	111.0	104.5	125.2	212.9	271.0	252.9	322.6	296.8
85°	89.0	56.8	24.5	24.5	27.1	41.3	81.3	144.5	184.5	222.0	161.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	56.8	83.9	74.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5
2.5°	1971.9	1946.1	1938.4	1916.4	1913.8	1893.2	1885.4	1885.4	1894.5	1894.5	1903.5
5°	1842.9	1810.6	1792.5	1766.7	1760.3	1744.8	1734.5	1735.7	1747.4	1755.1	1770.6
7.5°	1729.3	1707.4	1694.4	1682.8	1680.3	1677.7	1666.1	1664.8	1668.6	1680.3	1691.9
10°	1681.5	1666.1	1669.9	1679.0	1693.2	1700.9	1690.6	1685.4	1681.5	1689.3	1699.6
12.5°	1728.0	1712.5	1720.3	1735.7	1755.1	1762.8	1759.0	1757.7	1761.6	1791.2	1813.2
15°	1830.0	1800.3	1789.9	1796.4	1811.9	1819.6	1815.8	1820.9	1845.4	1922.9	1978.4
17.5°	1956.4	1884.2	1842.9	1831.2	1837.7	1844.1	1844.1	1857.1	1899.6	2013.2	2082.9
20°	2024.8	1930.6	1860.9	1832.5	1835.1	1841.6	1841.6	1859.6	1907.4	2028.7	2073.9
22.5°	2006.8	1920.3	1835.1	1804.1	1805.4	1810.6	1810.6	1826.1	1868.7	1975.8	1996.4
25°	1935.8	1859.6	1775.7	1748.6	1751.2	1760.3	1757.7	1766.7	1799.0	1886.7	1898.3
27.5°	1850.6	1783.5	1700.9	1680.3	1691.9	1709.9	1694.4	1695.7	1725.4	1799.0	1800.3
30°	1759.0	1703.5	1629.9	1614.4	1636.4	1645.4	1631.2	1631.2	1660.9	1711.2	1709.9
32.5°	1659.6	1624.8	1571.8	1555.1	1579.6	1593.8	1575.7	1578.3	1601.5	1635.1	1622.2
35°	1566.7	1548.6	1524.1	1512.5	1528.0	1540.9	1529.3	1534.4	1556.4	1565.4	1547.3
37.5°	1477.6	1475.1	1477.6	1477.6	1481.5	1485.4	1477.6	1490.5	1509.9	1498.3	1477.6
40°	1400.2	1410.5	1435.1	1428.6	1424.7	1428.6	1423.4	1445.4	1464.7	1444.1	1419.6
42.5°	1335.7	1355.0	1392.5	1392.5	1384.7	1387.3	1384.7	1411.8	1426.0	1397.6	1370.5
45°	1280.2	1308.6	1356.3	1362.8	1349.9	1349.9	1355.0	1388.6	1393.8	1355.0	1326.6
47.5°	1241.5	1276.3	1330.5	1342.1	1322.8	1321.5	1335.7	1371.8	1371.8	1326.6	1294.4
50°	1214.4	1253.1	1317.6	1333.1	1313.7	1308.6	1331.8	1366.7	1358.9	1304.7	1272.4
52.5°	1196.3	1236.3	1316.3	1338.3	1325.4	1320.2	1343.4	1367.9	1348.6	1290.5	1257.0
55°	1184.7	1228.6	1320.2	1338.3	1324.1	1315.0	1338.3	1360.2	1349.9	1282.8	1250.5
57.5°	1191.1	1235.0	1315.0	1324.1	1307.3	1291.8	1318.9	1349.9	1346.0	1285.4	1253.1
60°	1180.8	1220.8	1286.6	1289.2	1260.8	1236.3	1276.3	1322.8	1322.8	1276.3	1247.9
62.5°	1133.1	1173.1	1231.2	1233.7	1201.5	1174.4	1220.8	1276.3	1275.0	1237.6	1207.9
65°	1054.4	1091.8	1157.6	1164.0	1131.8	1103.4	1151.1	1202.8	1206.6	1173.1	1147.3
67.5°	967.9	1001.4	1050.5	1076.3	1049.2	1019.5	1063.4	1112.4	1111.1	1071.1	1044.0
70°	864.6	895.6	940.8	962.7	945.9	917.6	957.6	983.4	971.8	952.4	934.3
72.5°	762.7	792.4	835.0	835.0	816.9	789.8	801.4	847.9	862.1	847.9	836.3
75°	655.6	681.4	711.1	717.5	677.5	628.5	682.7	722.7	739.5	733.0	718.8
77.5°	545.9	565.2	609.1	597.5	522.7	496.8	540.7	600.1	611.7	607.8	588.5
80°	420.7	432.3	478.8	455.6	397.5	380.7	400.1	446.5	449.1	436.2	411.7
82.5°	282.6	298.1	329.1	283.9	282.6	267.1	251.7	256.8	280.0	277.5	260.7
85°	144.5	152.3	182.0	170.3	145.8	126.5	120.0	127.8	114.9	104.5	90.3
87.5°	60.7	65.8	90.3	50.3	15.5	0.0	0.0	7.7	11.6	16.8	18.1
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°	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5
2.5°	1924.2	1938.4	1973.2	2017.1	2059.7	2103.5	2151.3	2181.0	2217.1	2263.6	2264.9
5°	1789.9	1822.2	1872.5	1939.6	2009.3	2089.3	2182.3	2259.7	2352.6	2426.2	2455.8
7.5°	1707.4	1753.8	1817.0	1902.2	1993.8	2093.2	2214.5	2344.9	2497.1	2595.2	2653.3
10°	1715.1	1786.1	1849.3	1921.6	2004.2	2111.3	2267.4	2440.4	2627.5	2756.5	2828.8
12.5°	1853.2	1928.0	1916.4	1912.5	1968.0	2098.4	2310.0	2537.2	2765.6	2894.6	2981.1
15°	2027.4	2055.8	1946.1	1863.5	1897.1	2051.9	2333.3	2623.6	2880.4	3037.9	3123.0
17.5°	2116.4	2059.7	1926.7	1802.8	1793.8	1980.9	2344.9	2711.4	3009.5	3166.9	3257.3
20°	2075.1	1992.6	1880.3	1762.8	1698.3	1884.2	2338.4	2781.1	3126.9	3302.4	3376.0
22.5°	1986.1	1913.8	1826.1	1713.8	1620.9	1778.3	2321.6	2850.7	3231.4	3408.2	3472.8
25°	1889.3	1835.1	1762.8	1664.8	1577.0	1685.4	2310.0	2943.7	3351.5	3520.5	3561.8
27.5°	1792.5	1752.5	1693.2	1617.0	1566.7	1620.9	2313.9	3065.0	3506.3	3666.4	3649.6
30°	1697.0	1662.2	1620.9	1587.3	1565.4	1605.4	2303.6	3194.0	3676.7	3825.1	3725.7
32.5°	1606.7	1574.4	1548.6	1553.8	1566.7	1611.9	2250.7	3311.5	3832.8	3959.3	3808.3
35°	1529.3	1495.7	1495.7	1513.8	1561.5	1589.9	2113.9	3403.1	4005.8	4132.2	3925.7
37.5°	1457.0	1427.3	1446.7	1476.3	1521.5	1530.6	1938.4	3492.1	4257.4	4376.1	4107.7
40°	1393.8	1364.1	1398.9	1436.3	1459.6	1455.7	1760.3	3616.0	4554.2	4676.8	4349.0
42.5°	1343.4	1316.3	1347.3	1395.0	1398.9	1402.8	1629.9	3734.7	4898.8	5054.9	4764.6
45°	1302.1	1282.8	1298.3	1346.0	1346.0	1405.4	1548.6	3834.1	5417.6	5693.8	5527.3
47.5°	1269.9	1258.3	1266.0	1281.5	1307.3	1451.8	1497.0	3910.3	6362.2	6904.3	6736.5
50°	1251.8	1240.2	1250.5	1218.2	1295.7	1475.1	1480.2	3968.3	7607.6	8456.7	8249.0
52.5°	1236.3	1232.4	1238.9	1164.0	1321.5	1459.6	1467.3	3890.9	8442.5	9984.7	10189.9
55°	1231.2	1233.7	1202.8	1124.0	1352.5	1408.0	1428.6	3337.3	8669.7	11302.3	12576.1
57.5°	1233.7	1226.0	1147.3	1127.9	1353.8	1304.7	1484.1	2381.0	8339.3	11875.3	14910.6
60°	1224.7	1186.0	1080.2	1162.8	1294.4	1183.4	1444.1	1552.5	7468.2	11435.3	15046.1
62.5°	1184.7	1127.9	1022.1	1182.1	1188.6	1111.1	1311.2	1196.3	6306.7	10493.2	13740.1
65°	1126.6	1050.5	973.0	1142.1	1081.5	1077.6	986.0	958.9	5071.7	9371.7	12501.2
67.5°	1031.1	955.0	936.9	1050.5	973.0	955.0	792.4	795.0	4047.1	8176.7	11255.9
70°	922.7	846.6	860.8	949.8	865.9	793.7	641.4	662.0	3070.1	6812.6	9576.9
72.5°	851.7	749.8	751.1	836.3	761.4	642.7	527.8	545.9	1948.7	5135.0	7614.0
75°	718.8	660.7	632.4	677.5	646.5	500.7	443.9	440.1	1155.0	3680.5	5701.5
77.5°	600.1	554.9	540.7	558.8	482.7	370.4	357.5	351.0	654.3	2357.8	3736.0
80°	434.9	423.3	422.0	431.0	371.7	272.3	272.3	273.6	352.3	1280.2	2106.1
82.5°	276.2	302.0	267.1	296.8	252.9	193.6	180.7	205.2	202.6	545.9	887.9
85°	114.9	157.4	147.1	156.2	120.0	105.8	113.6	122.6	117.4	210.4	345.9
87.5°	21.9	25.8	28.4	27.1	27.1	33.6	37.4	45.2	45.2	60.7	104.5
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°	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5	2103.5
2.5°	2313.9	2351.3	2343.6	2360.4	2338.4	2346.2	2302.3	2290.7	2282.9	2285.5
5°	2551.3	2627.5	2641.7	2670.1	2650.7	2650.7	2573.3	2515.2	2494.6	2479.1
7.5°	2792.7	2902.4	2974.6	2982.4	2972.1	2951.4	2839.1	2734.6	2697.2	2664.9
10°	3006.9	3138.5	3219.8	3258.5	3239.2	3206.9	3067.6	2924.3	2879.1	2850.7
12.5°	3170.8	3286.9	3341.1	3367.0	3364.4	3352.8	3239.2	3084.3	3036.6	2992.7
15°	3276.6	3334.7	3314.0	3312.8	3330.8	3377.3	3342.4	3221.1	3165.6	3125.6
17.5°	3345.0	3289.5	3197.9	3155.3	3194.0	3303.7	3383.7	3315.3	3265.0	3221.1
20°	3369.5	3172.1	3039.2	2960.4	3005.6	3164.3	3361.8	3383.7	3341.1	3305.0
22.5°	3341.1	3028.8	2848.2	2755.2	2799.1	2988.8	3297.3	3439.2	3410.8	3376.0
25°	3271.5	2879.1	2662.3	2578.4	2626.2	2819.8	3182.4	3490.8	3492.1	3463.7
27.5°	3185.0	2741.1	2532.0	2453.3	2499.7	2680.4	3070.1	3536.0	3581.2	3570.9
30°	3097.2	2658.5	2470.0	2414.6	2449.4	2609.4	2955.3	3582.5	3672.8	3690.9
32.5°	3057.2	2698.5	2615.9	2640.4	2595.2	2650.7	2914.0	3648.3	3783.8	3813.5
35°	3110.1	3053.4	3262.4	3359.2	3199.2	2988.8	2966.9	3747.7	3939.9	3983.8
37.5°	3367.0	3813.5	4125.8	4466.5	4189.0	3725.7	3228.9	3916.7	4163.2	4232.9
40°	3925.7	4476.8	5040.8	5480.8	5061.4	4438.1	3727.0	4168.4	4470.3	4533.6
42.5°	4452.3	5098.8	5875.7	6444.8	5900.2	5020.1	4263.9	4591.7	4875.6	4910.4
45°	4968.5	5709.2	6886.2	7677.3	6937.8	5573.7	4812.3	5306.6	5520.8	5522.1
47.5°	5573.7	6397.1	8153.5	9280.1	8314.8	6186.7	5327.2	6438.4	6736.5	6590.7
50°	6297.7	7081.1	9458.2	11144.9	9993.7	6940.4	5981.5	7817.9	8224.5	8059.3
52.5°	7266.9	7834.7	10895.8	12963.2	11823.7	7798.6	6930.1	9640.1	9774.4	9465.9
55°	8631.0	8922.6	12741.3	15208.7	13866.6	8855.5	8317.4	11926.9	11551.4	10667.4
57.5°	11737.2	10644.2	15110.6	17770.4	16177.9	10775.8	11357.8	14448.6	13112.9	11622.4
60°	14336.3	12734.8	17303.2	20312.7	18158.8	12892.2	14212.4	14887.4	13054.8	11516.6
62.5°	13460.1	13267.8	18094.3	20592.7	18835.1	13933.7	13682.0	13781.4	12203.1	10813.2
65°	11809.5	12239.2	17388.4	19264.8	18085.3	13000.6	12376.0	12759.3	11228.8	9828.6
67.5°	10835.2	11151.3	16132.7	17139.3	16722.5	11991.5	11360.4	11082.9	9716.3	8526.4
70°	9838.9	10100.9	14369.9	14471.8	14597.0	10313.8	9289.1	8463.2	7242.4	6410.0
72.5°	8501.9	8516.1	12141.2	11550.1	11787.6	8070.9	7477.2	6327.4	5271.8	4516.8
75°	7132.7	6742.9	9610.5	8073.5	8549.7	6278.4	6208.7	4768.5	3976.1	3356.6
77.5°	5438.2	4982.7	7020.4	5309.2	6004.8	4181.3	4667.8	3234.0	2797.8	2233.9
80°	3650.9	3367.0	3879.3	2996.6	3928.3	2881.7	3044.3	1832.5	1588.6	1232.4
82.5°	1925.4	1644.1	2397.8	1777.0	2369.4	1583.5	1142.1	566.5	482.7	389.7
85°	745.9	863.4	1175.7	632.4	918.8	565.2	330.4	140.7	117.4	89.0
87.5°	144.5	223.3	122.6	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)