

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: P635296

Luminaire Tested: GWS-SA3D-740-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635296
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-SA3D-740-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16662.7 lumens
Efficiency: N/A
Efficacy: 137.9 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

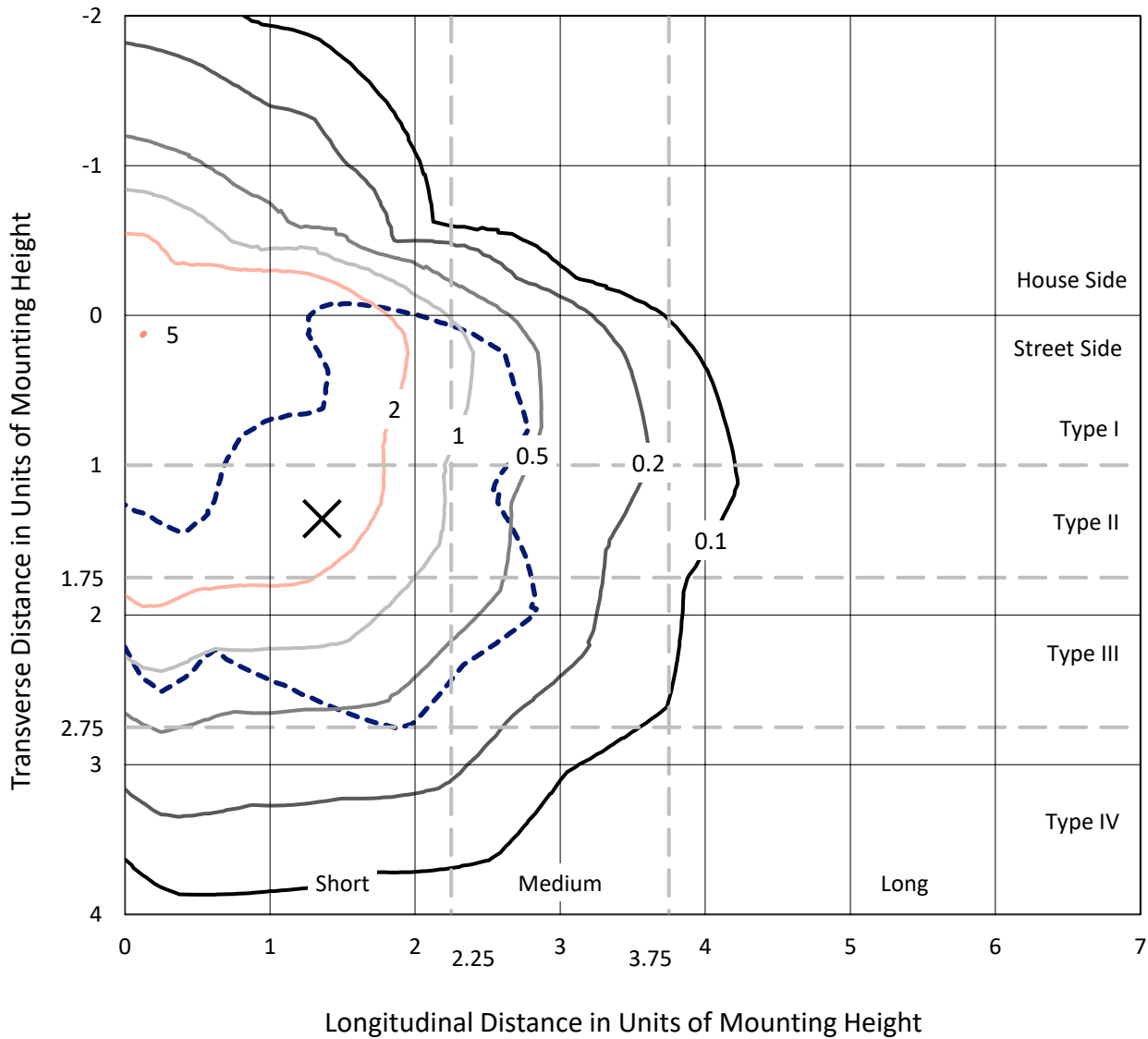
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

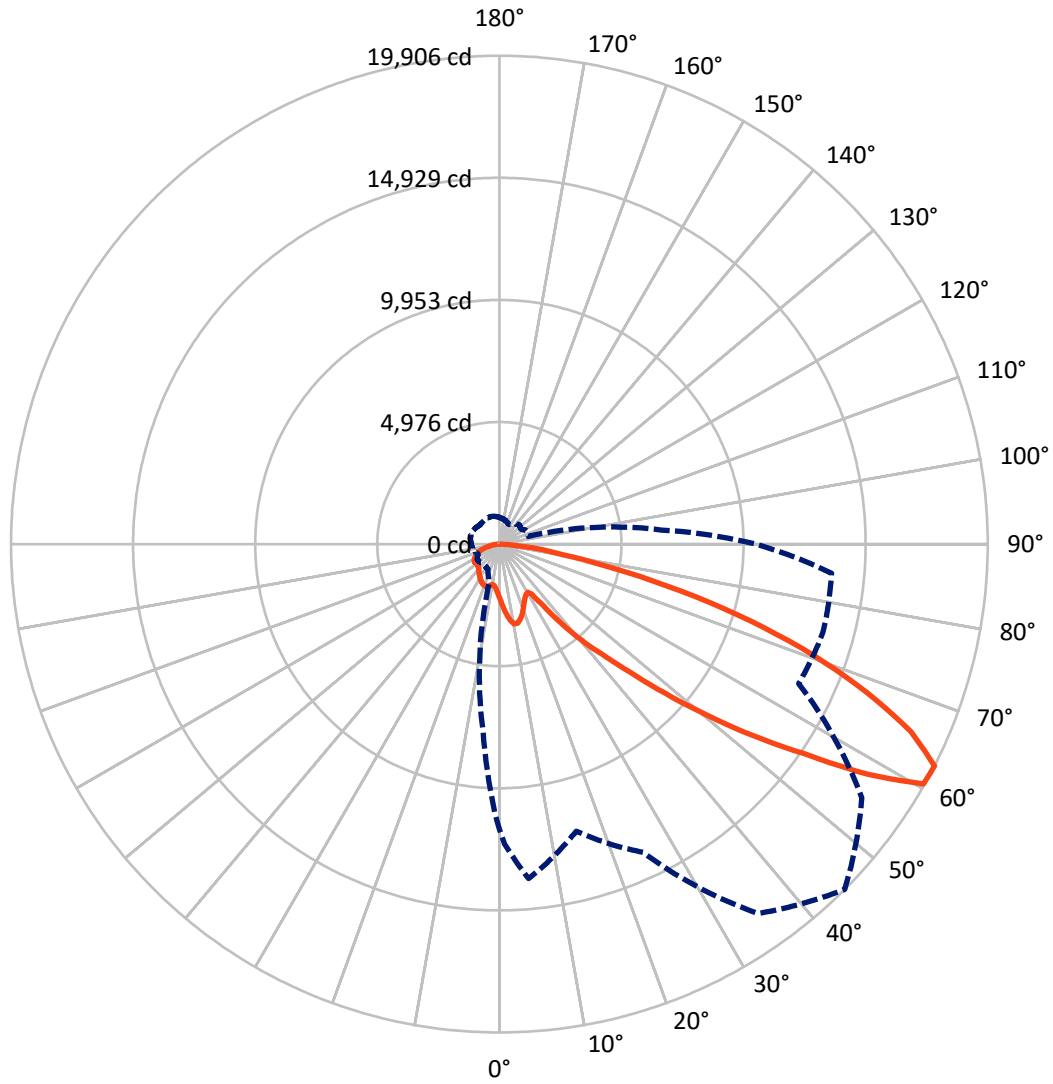
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	3976.0	0.0	3976.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	12686.7	0.0	12686.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	16662.7	0.0	16662.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.0	1.3
10°-20°	677.1	4.1
20°-30°	1051.6	6.3
30°-40°	1427.8	8.6
40°-50°	2263.0	13.6
50°-60°	3991.9	24.0
60°-70°	4441.6	26.7
70°-80°	2252.6	13.5
80°-90°	341.1	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°	16662.7	100.0
0°-180°	16662.7	100.0

Coefficient of Utilization



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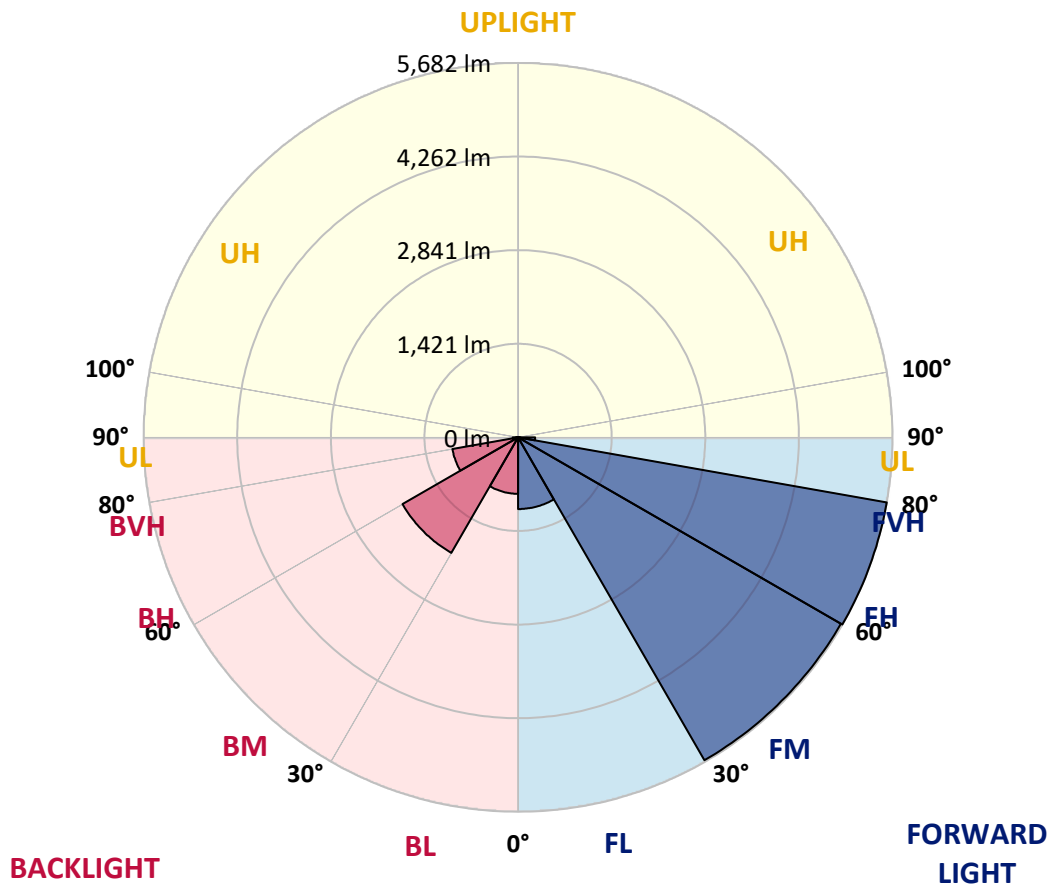
CATALOG NUMBER: GWS-SA3D-740-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1087.9	6.5			
FM (30°-60°)	5657.7	34.0			
FH (60°-80°)	5682.1	34.1			G3/7500
FVH (80°-90°)	258.9	1.6			G3/500
BL (0°-30°)	856.7	5.1	B2/1000		
BM (30°-60°)	2025.0	12.2	B2/2500		
BH (60°-80°)	1012.1	6.1	B3/2500		G3/2500
BVH (80°-90°)	82.2	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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5
2.5°	2376.7	2375.5	2399.5	2436.0	2470.1	2485.2	2510.5	2507.9	2487.8	2461.3	2452.4
5°	2563.5	2568.5	2610.1	2690.9	2780.4	2818.3	2834.7	2828.4	2791.8	2745.1	2663.1
7.5°	2732.5	2741.3	2805.7	2926.8	3037.8	3088.3	3128.6	3121.1	3068.1	2981.0	2859.9
10°	2856.1	2866.2	2943.2	3085.7	3209.4	3253.5	3305.2	3307.8	3261.1	3143.8	3020.1
12.5°	2979.8	2989.9	3061.8	3191.7	3272.4	3273.7	3304.0	3320.4	3322.9	3268.7	3145.0
15°	3108.4	3117.3	3182.9	3256.0	3252.3	3181.6	3181.6	3213.1	3282.5	3321.6	3235.9
17.5°	3218.2	3229.5	3280.0	3256.0	3143.8	3016.3	3001.2	3041.6	3162.7	3312.8	3304.0
20°	3309.0	3317.9	3345.6	3186.7	2982.3	2815.8	2786.7	2833.4	2997.4	3258.6	3355.7
22.5°	3396.1	3401.1	3386.0	3095.8	2808.2	2617.7	2582.4	2631.6	2808.2	3162.7	3399.9
25°	3499.5	3494.5	3422.6	3001.2	2649.2	2461.3	2424.7	2480.2	2664.4	3035.3	3447.8
27.5°	3619.4	3600.4	3454.1	2899.0	2526.9	2345.2	2320.0	2379.3	2550.8	2917.9	3485.6
30°	3721.5	3685.0	3459.1	2808.2	2463.8	2296.0	2280.9	2336.4	2495.3	2838.5	3533.6
32.5°	3835.1	3784.6	3488.2	2784.2	2499.1	2414.6	2434.8	2438.6	2510.5	2815.8	3605.5
35°	3997.8	3932.2	3567.6	2853.6	2862.4	3005.0	3078.2	2979.8	2738.8	2866.2	3741.7
37.5°	4243.8	4160.6	3729.1	3153.9	3613.1	3932.2	4108.8	3884.3	3432.7	3056.7	3947.4
40°	4542.8	4436.8	3936.0	3708.9	4314.5	4825.4	5139.5	4810.3	4146.7	3532.3	4236.3
42.5°	4960.4	4849.4	4337.2	4253.9	4964.2	5724.9	6134.9	5644.1	4776.2	4146.7	4699.2
45°	5688.3	5581.1	5072.7	4800.2	5724.9	6832.5	7407.8	6725.3	5415.8	4763.6	5564.7
47.5°	7033.1	6906.9	6165.1	5405.7	6592.8	8270.7	9075.5	8081.4	6080.6	5470.0	7017.9
50°	8647.9	8526.8	7536.4	6122.3	7551.6	9808.5	10927.5	9674.8	6846.4	6329.1	8755.1
52.5°	10590.6	10567.9	9493.1	7028.0	8549.5	11448.5	12982.5	11439.6	7685.3	7486.0	10723.1
55°	12341.7	12563.7	11978.3	8409.4	9838.8	13508.6	15095.6	13364.8	8823.2	9398.5	13027.9
57.5°	13285.3	13882.0	14781.5	11227.7	11713.4	15971.1	17703.2	15715.0	10778.6	12582.6	15165.0
60°	12662.1	13338.3	14968.2	13349.6	13572.9	17944.2	19855.4	17690.6	12698.7	14792.8	15043.9
62.5°	11625.1	12231.9	13681.4	12110.8	13860.5	18378.1	19905.8	18035.0	13461.9	13671.3	13589.3
65°	10395.1	11006.9	12542.2	10571.7	12945.9	17347.4	18437.4	17022.0	12090.6	12351.7	12382.0
67.5°	8761.4	9326.6	10889.6	9399.7	11800.5	15834.9	16183.0	15578.8	11134.4	11550.7	11115.4
70°	6546.1	7055.8	8435.9	7638.6	9947.2	13864.3	13583.0	13672.6	10060.8	10474.6	9284.9
72.5°	4473.4	4856.9	6040.3	6002.4	7617.2	11099.0	10706.7	11555.7	8403.1	8951.9	7078.5
75°	3128.6	3427.6	4366.2	4742.1	5757.7	8226.5	7624.8	8649.1	6562.5	7346.0	5164.7
77.5°	1920.1	2118.1	2757.7	3513.4	3703.9	5630.3	4735.8	6508.3	4608.4	5357.8	3445.3
80°	960.0	1055.9	1339.8	2209.0	2456.2	3317.9	2615.2	3778.3	3118.5	3317.9	1906.2
82.5°	290.2	320.4	392.3	838.9	1272.9	1910.0	1545.4	2195.1	1703.1	1555.5	750.6
85°	77.0	87.0	108.5	248.5	446.6	685.0	522.3	1063.5	816.2	574.0	282.6
87.5°	6.3	6.3	5.0	5.0	2.5	0.0	0.0	75.7	152.6	87.0	49.2
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°	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5
2.5°	2408.3	2403.2	2351.5	2313.7	2269.5	2226.6	2182.5	2143.4	2099.2	2055.0	2042.4
5°	2602.6	2567.2	2457.5	2365.4	2274.6	2195.1	2125.7	2053.8	1995.8	1939.0	1917.5
7.5°	2774.1	2712.3	2553.4	2413.3	2287.2	2188.8	2086.6	1981.9	1899.9	1819.1	1799.0
10°	2929.3	2847.3	2646.7	2470.1	2330.1	2217.8	2097.9	1957.9	1839.3	1740.9	1714.4
12.5°	3044.1	2954.5	2727.5	2524.3	2365.4	2239.2	2120.6	1997.0	1872.1	1744.7	1715.7
15°	3134.9	3041.6	2794.3	2566.0	2366.7	2203.9	2089.1	2046.2	2007.1	1882.2	1829.2
17.5°	3208.1	3109.7	2852.3	2591.2	2332.6	2096.7	1997.0	2060.1	2159.8	2081.5	1981.9
20°	3275.0	3175.3	2896.5	2608.9	2256.9	1949.1	1893.6	2027.3	2177.4	2174.9	2085.3
22.5°	3348.1	3251.0	2960.8	2619.0	2150.9	1799.0	1831.8	1979.4	2101.7	2138.3	2082.8
25°	3441.5	3355.7	3050.4	2641.7	2031.1	1695.5	1786.3	1917.5	2019.7	2028.6	1995.8
27.5°	3550.0	3485.6	3184.1	2694.7	1915.0	1642.5	1733.4	1830.5	1923.8	1927.6	1888.5
30°	3668.6	3625.7	3307.8	2738.8	1828.0	1626.1	1665.2	1743.4	1802.7	1812.8	1778.8
32.5°	3819.9	3782.1	3417.5	2709.8	1776.2	1622.3	1602.2	1642.5	1691.7	1691.7	1665.2
35°	4028.1	3975.1	3533.6	2598.8	1713.2	1607.2	1535.3	1546.6	1568.1	1571.9	1556.7
37.5°	4323.3	4236.3	3650.9	2379.3	1609.7	1553.0	1458.3	1444.5	1452.0	1462.1	1458.3
40°	4689.1	4546.6	3822.5	2115.6	1486.1	1448.2	1378.9	1352.4	1346.1	1366.2	1373.8
42.5°	5149.6	4931.4	4006.7	1869.6	1373.8	1328.4	1285.5	1262.8	1252.7	1286.8	1307.0
45°	5885.1	5525.5	4183.3	1626.1	1310.7	1226.2	1197.2	1180.8	1185.8	1226.2	1251.4
47.5°	7155.5	6432.6	4351.1	1472.2	1305.7	1153.0	1117.7	1121.5	1135.4	1178.3	1208.6
50°	8762.7	7647.5	4463.3	1407.9	1320.8	1108.9	1062.2	1082.4	1103.8	1145.5	1180.8
52.5°	10398.9	8779.1	4329.6	1372.6	1319.6	1110.2	1010.5	1071.0	1081.1	1122.8	1160.6
55°	11524.2	8905.2	3740.5	1318.3	1299.4	1160.6	970.1	1066.0	1072.3	1110.2	1144.2
57.5°	11953.1	8473.8	2852.3	1333.4	1238.8	1199.7	952.5	1030.7	1076.1	1108.9	1144.2
60°	11434.6	7660.1	1733.4	1372.6	1141.7	1197.2	963.8	966.3	1044.6	1100.1	1135.4
62.5°	10456.9	6615.5	1217.4	1261.5	1071.0	1130.3	990.3	890.6	989.0	1055.9	1087.4
65°	9336.7	5386.8	928.5	1086.2	1037.0	1026.9	999.1	823.8	913.4	979.0	1006.7
67.5°	8169.7	4187.1	754.4	809.9	937.3	928.5	913.4	764.5	823.8	870.5	902.0
70°	6700.0	2929.3	637.1	608.1	803.6	832.6	798.6	690.1	709.0	756.9	782.2
72.5°	4901.1	1825.4	523.5	502.1	645.9	727.9	710.2	608.1	616.9	662.3	682.5
75°	3524.7	1044.6	420.1	413.8	493.3	623.2	587.9	523.5	533.6	567.7	581.6
77.5°	2240.5	581.6	324.2	333.0	353.2	465.5	502.1	447.8	447.8	468.0	479.4
80°	1199.7	333.0	237.2	241.0	247.3	355.8	396.1	346.9	346.9	333.0	346.9
82.5°	489.5	191.8	162.7	151.4	165.3	243.5	277.5	220.8	230.9	208.2	213.2
85°	161.5	95.9	80.7	79.5	78.2	107.2	133.7	109.8	131.2	83.3	87.0
87.5°	21.4	17.7	10.1	7.6	8.8	3.8	7.6	8.8	8.8	6.3	6.3
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°	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5
2.5°	2033.6	2023.5	1986.9	1995.8	1989.4	1979.4	1989.4	1970.5	1985.7	1990.7	2022.2
5°	1901.1	1877.2	1841.8	1824.2	1820.4	1810.3	1811.6	1802.7	1805.3	1826.7	1862.0
7.5°	1782.6	1759.8	1732.1	1719.5	1708.1	1696.8	1695.5	1694.2	1704.3	1723.3	1757.3
10°	1696.8	1684.2	1672.8	1677.8	1672.8	1667.8	1658.9	1658.9	1675.3	1709.4	1751.0
12.5°	1696.8	1694.2	1696.8	1711.9	1710.6	1711.9	1700.6	1706.9	1752.3	1810.3	1869.6
15°	1787.6	1767.4	1767.4	1775.0	1772.5	1772.5	1772.5	1799.0	1902.4	1992.0	2055.0
17.5°	1898.6	1839.3	1814.1	1810.3	1809.0	1809.0	1814.1	1870.9	2032.3	2127.0	2163.5
20°	1975.6	1863.3	1821.7	1805.3	1806.5	1809.0	1824.2	1902.4	2080.3	2128.2	2119.4
22.5°	1989.4	1844.4	1793.9	1769.9	1773.7	1776.2	1799.0	1882.2	2014.7	2022.2	2004.6
25°	1925.1	1791.4	1737.1	1718.2	1723.3	1722.0	1742.2	1802.7	1897.4	1894.8	1884.7
27.5°	1829.2	1706.9	1666.5	1653.9	1662.7	1652.6	1658.9	1705.6	1778.8	1776.2	1772.5
30°	1730.8	1624.9	1588.3	1582.0	1593.3	1578.2	1579.4	1618.6	1669.0	1666.5	1665.2
32.5°	1632.4	1542.9	1510.1	1510.1	1521.4	1505.0	1507.5	1541.6	1575.7	1565.6	1565.6
35°	1539.1	1476.0	1449.5	1444.5	1453.3	1441.9	1447.0	1478.5	1491.1	1477.3	1468.4
37.5°	1457.1	1429.3	1402.8	1385.2	1386.4	1387.7	1402.8	1426.8	1419.2	1399.0	1387.7
40°	1381.4	1381.4	1356.2	1323.4	1319.6	1328.4	1353.6	1380.1	1358.7	1336.0	1322.1
42.5°	1327.1	1338.5	1314.5	1281.7	1274.2	1289.3	1317.0	1336.0	1310.7	1285.5	1266.6
45°	1276.7	1304.4	1288.0	1251.4	1241.4	1259.0	1294.3	1301.9	1267.8	1243.9	1230.0
47.5°	1241.4	1279.2	1267.8	1232.5	1217.4	1242.6	1279.2	1277.9	1235.0	1209.8	1198.5
50°	1216.1	1264.1	1262.8	1232.5	1216.1	1247.7	1280.5	1264.1	1217.4	1190.9	1179.5
52.5°	1195.9	1262.8	1271.6	1254.0	1242.6	1270.4	1290.6	1259.0	1204.8	1177.0	1168.2
55°	1187.1	1267.8	1274.2	1257.8	1247.7	1272.9	1290.6	1269.1	1204.8	1179.5	1172.0
57.5°	1189.6	1261.5	1262.8	1240.1	1222.4	1254.0	1281.7	1275.4	1218.6	1189.6	1180.8
60°	1174.5	1227.5	1230.0	1194.7	1174.5	1212.3	1261.5	1257.8	1212.3	1182.1	1165.7
62.5°	1124.0	1170.7	1172.0	1139.2	1110.2	1164.4	1218.6	1217.4	1175.8	1145.5	1126.6
65°	1039.5	1088.7	1101.3	1069.8	1047.1	1105.1	1161.9	1159.4	1117.7	1090.0	1071.0
67.5°	934.8	987.8	1011.8	990.3	981.5	1034.5	1087.4	1086.2	1052.1	1025.6	1009.2
70°	807.4	851.5	891.9	891.9	885.6	946.2	1002.9	997.9	966.3	946.2	933.5
72.5°	701.4	735.5	748.1	760.7	779.6	842.7	890.6	894.4	871.7	861.6	871.7
75°	596.7	618.2	629.5	619.4	652.2	717.8	780.9	787.2	763.2	746.8	750.6
77.5°	490.7	514.7	526.1	503.4	500.8	584.1	661.0	674.9	654.7	629.5	637.1
80°	354.5	386.0	405.0	389.8	384.8	421.4	527.3	542.5	523.5	503.4	514.7
82.5°	217.0	234.6	239.7	254.8	286.4	301.5	339.4	389.8	375.9	358.3	389.8
85°	85.8	102.2	113.5	128.7	150.1	177.9	209.4	249.8	227.1	219.5	258.6
87.5°	5.0	1.3	0.0	2.5	21.4	41.6	89.6	123.6	103.4	111.0	133.7
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°	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5	2211.5
2.5°	2047.5	2080.3	2124.4	2161.0	2207.7	2251.8	2297.3	2342.7	2366.7	2376.7
5°	1902.4	1963.0	2033.6	2111.8	2202.6	2298.5	2395.7	2495.3	2558.4	2563.5
7.5°	1815.4	1902.4	1999.5	2097.9	2210.2	2342.7	2496.6	2650.5	2714.8	2732.5
10°	1843.1	1940.2	2017.2	2109.3	2232.9	2398.2	2579.9	2760.3	2834.7	2856.1
12.5°	1954.1	1973.0	1997.0	2081.5	2232.9	2446.1	2665.6	2880.1	2959.6	2979.8
15°	2046.2	1955.4	1912.5	2002.1	2202.6	2487.8	2756.5	2993.6	3089.5	3108.4
17.5°	2053.8	1897.4	1804.0	1884.7	2149.7	2516.8	2843.5	3119.8	3200.5	3218.2
20°	1976.8	1835.5	1714.4	1763.6	2077.8	2529.4	2906.6	3211.9	3291.4	3309.0
22.5°	1889.8	1785.1	1653.9	1651.4	1990.7	2543.3	2982.3	3298.9	3384.7	3396.1
25°	1807.8	1715.7	1604.7	1569.4	1889.8	2569.8	3084.5	3430.1	3495.7	3499.5
27.5°	1711.9	1641.3	1565.6	1531.5	1801.5	2620.2	3235.9	3586.6	3625.7	3619.4
30°	1624.9	1571.9	1537.8	1527.7	1746.0	2658.1	3379.7	3740.5	3743.0	3721.5
32.5°	1532.8	1512.6	1512.6	1545.4	1700.6	2649.2	3497.0	3890.6	3866.6	3835.1
35°	1450.8	1454.6	1481.0	1558.0	1624.9	2560.9	3609.3	4078.6	4043.2	3997.8
37.5°	1372.6	1401.6	1439.4	1513.8	1525.2	2429.7	3740.5	4344.7	4300.6	4243.8
40°	1305.7	1349.8	1394.0	1430.6	1419.2	2243.0	3923.4	4657.6	4608.4	4542.8
42.5°	1252.7	1295.6	1344.8	1348.6	1352.4	2048.7	4117.7	5041.1	5032.3	4960.4
45°	1218.6	1246.4	1293.1	1286.8	1348.6	1834.3	4296.8	5626.5	5742.5	5688.3
47.5°	1195.9	1217.4	1222.4	1248.9	1381.4	1642.5	4527.7	6771.9	7094.9	7033.1
50°	1183.3	1204.8	1148.0	1251.4	1386.4	1518.9	4846.8	8210.1	8729.9	8647.9
52.5°	1182.1	1177.0	1091.2	1277.9	1358.7	1443.2	5013.4	9259.7	10412.8	10590.6
55°	1184.6	1121.5	1062.2	1285.5	1303.2	1415.4	4455.8	9764.3	11965.7	12341.7
57.5°	1161.9	1061.0	1078.6	1255.2	1198.5	1489.9	3293.9	9583.9	12586.4	13285.3
60°	1119.0	1002.9	1108.9	1173.2	1091.2	1362.5	2268.2	8779.1	11943.0	12662.1
62.5°	1057.2	962.6	1105.1	1067.3	1052.1	1115.2	1559.3	7652.5	10922.4	11625.1
65°	987.8	929.8	1045.8	965.1	973.9	857.8	1102.6	6380.9	9703.8	10395.1
67.5°	913.4	909.6	958.8	859.1	822.5	680.0	803.6	5114.3	8138.2	8761.4
70°	828.8	856.6	871.7	763.2	667.4	533.6	596.7	3576.5	6003.7	6546.1
72.5°	744.3	746.8	768.3	663.6	499.6	427.7	447.8	2166.1	4078.6	4473.4
75°	658.5	634.6	654.7	539.9	372.2	350.7	345.7	1338.5	2817.0	3128.6
77.5°	566.4	539.9	513.4	406.2	299.0	271.2	264.9	750.6	1728.3	1920.1
80°	460.5	425.1	383.5	297.7	218.2	194.3	193.0	365.8	861.6	960.0
82.5°	358.3	291.4	280.1	185.4	135.0	118.6	126.2	140.0	259.9	290.2
85°	251.0	211.9	148.9	74.4	60.6	49.2	47.9	41.6	69.4	77.0
87.5°	140.0	92.1	47.9	8.8	10.1	11.4	8.8	6.3	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)