

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: P634909

Luminaire Tested: GWS-SA3C-760-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634909
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-SA3C-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: 11011.1 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

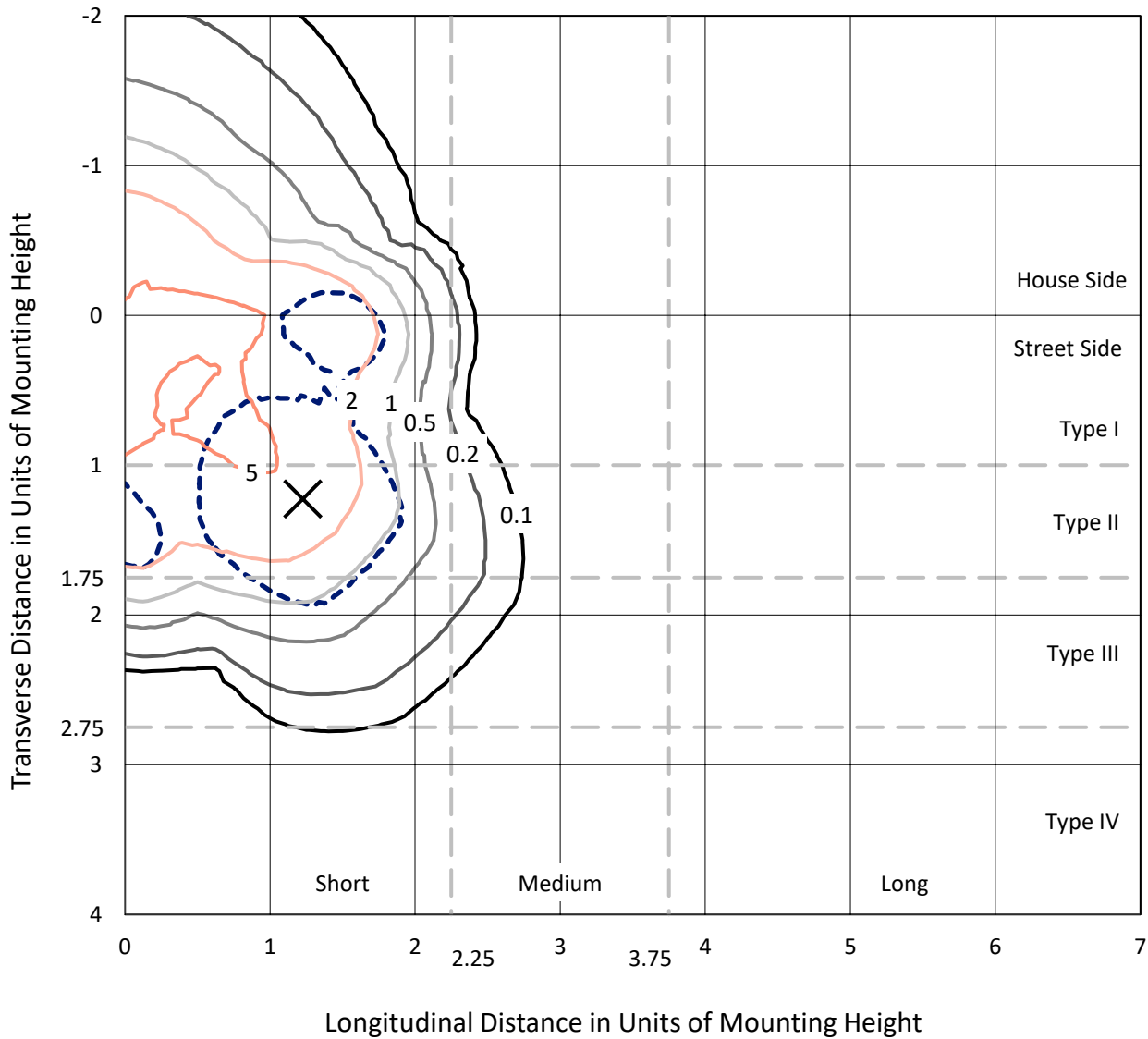
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

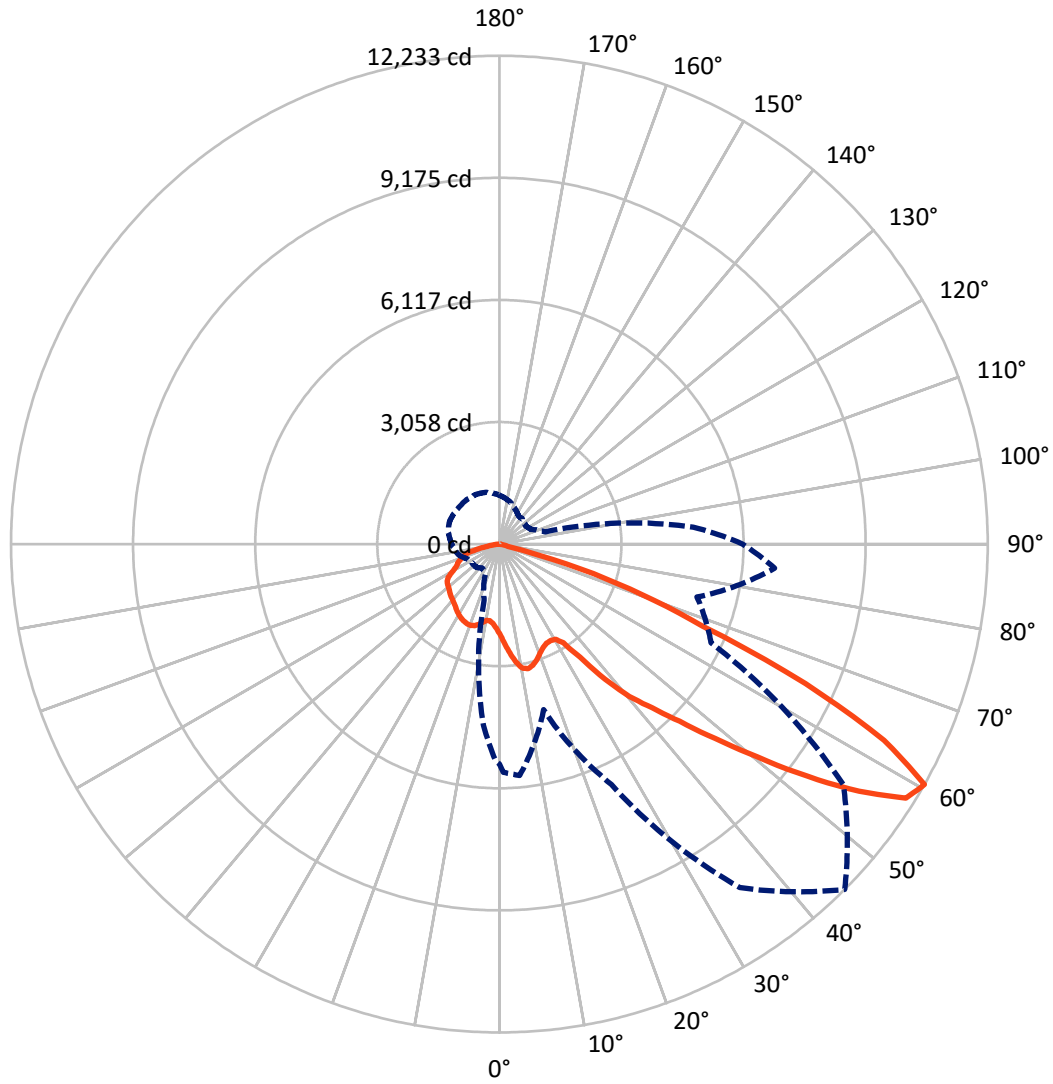
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 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	3859.8	0.0	3859.8
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	7151.3	0.0	7151.3
	% Fixture	64.9	0.0	64.9
Total	Lumens	11011.1	0.0	11011.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.7	2.0
10°-20°	697.4	6.3
20°-30°	1132.8	10.3
30°-40°	1597.6	14.5
40°-50°	2207.9	20.1
50°-60°	2842.2	25.8
60°-70°	1800.9	16.4
70°-80°	462.1	4.2
80°-90°	49.4	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°	11011.1	100.0
0°-180°	11011.1	100.0

Coefficient of Utilization



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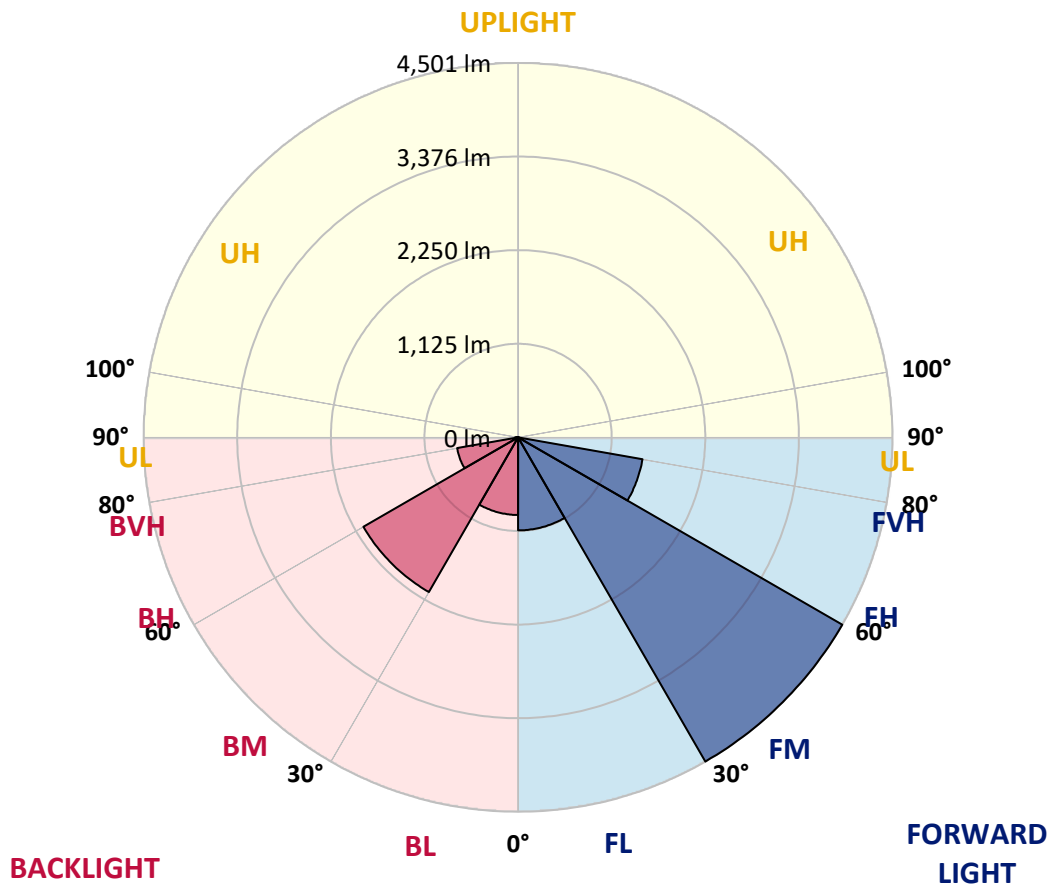
CATALOG NUMBER: GWS-SA3C-760-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1118.0	10.2			
FM (30°-60°)	4500.7	40.9			
FH (60°-80°)	1519.1	13.8			G1/1800
FVH (80°-90°)	13.4	0.1			G1/100
BL (0°-30°)	932.9	8.5	B2/1000		
BM (30°-60°)	2147.1	19.5	B2/2500		
BH (60°-80°)	743.8	6.8	B2/1000		G2/1000
BVH (80°-90°)	36.0	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°	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0
2.5°	2365.9	2382.1	2392.2	2411.3	2445.6	2464.8	2486.0	2462.8	2468.8	2465.8	2428.5
5°	2506.2	2525.3	2551.6	2608.1	2671.6	2706.9	2740.2	2735.2	2703.9	2651.4	2614.1
7.5°	2637.3	2659.5	2704.9	2796.7	2890.6	2945.0	2985.4	2959.2	2932.9	2850.2	2756.4
10°	2740.2	2753.3	2814.9	2938.0	3046.9	3108.5	3157.9	3151.9	3115.6	3022.7	2896.6
12.5°	2837.1	2846.2	2912.8	3035.8	3133.7	3161.0	3201.3	3214.4	3202.3	3132.7	3008.6
15°	2941.0	2958.2	3019.7	3113.5	3157.9	3129.7	3143.8	3180.1	3214.4	3214.4	3100.4
17.5°	3037.9	3053.0	3115.6	3155.9	3113.5	3038.9	3042.9	3089.3	3171.0	3256.8	3184.2
20°	3123.6	3137.7	3199.3	3161.0	3026.8	2917.8	2914.8	2971.3	3103.4	3284.0	3274.0
22.5°	3217.5	3237.6	3289.1	3165.0	2946.1	2807.8	2806.8	2865.3	3043.9	3311.3	3376.9
25°	3350.6	3381.9	3408.1	3200.3	2902.7	2736.2	2749.3	2804.8	3024.7	3355.7	3529.2
27.5°	3548.4	3573.6	3571.6	3274.0	2900.7	2706.9	2734.2	2798.7	3059.1	3434.4	3689.6
30°	3762.3	3775.4	3754.2	3376.9	2947.1	2725.1	2765.5	2842.1	3145.8	3564.5	3925.7
32.5°	3999.4	4015.5	3975.2	3531.2	3055.0	2859.3	2948.1	2985.4	3267.9	3752.2	4175.9
35°	4271.8	4303.1	4219.3	3735.0	3372.8	3348.6	3477.8	3429.3	3527.2	3974.1	4443.3
37.5°	4558.3	4559.3	4439.3	4036.7	3996.3	4037.7	4296.0	4144.7	4077.1	4221.3	4715.7
40°	4801.5	4795.4	4610.8	4443.3	4539.1	4703.6	5015.4	4783.3	4605.7	4553.3	4941.7
42.5°	5044.6	5022.4	4835.8	4701.6	4913.4	5251.4	5603.6	5319.0	4944.7	4854.9	5164.7
45°	5355.4	5348.3	5123.3	4804.5	5251.4	5864.9	6332.0	5870.9	5145.5	5030.5	5536.0
47.5°	5856.8	5822.5	5403.8	4796.4	5568.2	6682.1	7272.3	6566.1	5285.7	5034.5	6135.3
50°	6347.1	6304.8	5738.7	4795.4	5895.1	7529.6	8382.1	7410.5	5429.0	5058.7	6744.6
52.5°	6842.5	6842.5	6288.6	4909.4	6238.2	8476.0	9664.5	8462.8	5673.2	5375.5	7494.3
55°	7137.1	7215.8	6907.1	5102.1	6639.7	9589.8	10932.7	9598.9	6050.5	5947.6	8186.4
57.5°	6762.8	6910.1	6865.7	4967.9	6876.8	10408.0	12008.2	10460.5	6237.2	6015.2	8082.5
60°	5510.7	5715.5	5817.4	4289.9	6642.7	10502.9	12233.2	10517.0	5851.7	5122.3	6923.2
62.5°	3663.4	3831.9	3987.3	3065.1	5750.9	9448.6	10819.7	9451.6	4887.2	3822.8	4796.4
65°	1796.9	1922.0	2089.5	1812.0	4492.7	7894.8	8435.6	7637.5	3535.3	2139.9	2446.6
67.5°	470.2	505.5	528.7	703.2	3218.5	5672.2	5501.7	5586.4	2271.1	699.2	639.7
70°	244.2	246.2	245.2	290.6	2175.2	3604.9	3791.5	3508.0	1585.0	292.6	252.2
72.5°	174.5	175.6	172.5	195.7	1050.3	2065.3	2139.9	2116.7	830.3	173.5	172.5
75°	114.0	115.0	113.0	115.0	158.4	235.1	216.9	228.0	138.2	110.0	110.0
77.5°	67.6	68.6	67.6	69.6	67.6	67.6	62.6	62.6	59.5	59.5	60.5
80°	45.4	45.4	44.4	46.4	42.4	42.4	40.4	39.3	36.3	35.3	35.3
82.5°	27.2	28.2	27.2	27.2	25.2	25.2	23.2	22.2	19.2	19.2	18.2
85°	14.1	14.1	13.1	13.1	11.1	10.1	8.1	8.1	6.1	5.0	5.0
87.5°	2.0	2.0	1.0	1.0	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°	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0
2.5°	2418.4	2398.2	2367.9	2338.7	2311.4	2283.2	2250.9	2217.6	2189.4	2160.1	2145.0
5°	2564.7	2523.3	2444.6	2375.0	2312.4	2261.0	2205.5	2158.1	2113.7	2077.4	2059.2
7.5°	2696.8	2632.3	2513.2	2403.3	2318.5	2247.9	2171.2	2100.6	2041.0	1996.7	1979.5
10°	2818.9	2742.2	2585.9	2446.6	2347.8	2269.1	2175.2	2079.4	2000.7	1942.2	1928.0
12.5°	2917.8	2830.0	2643.4	2481.9	2364.9	2280.2	2197.4	2114.7	2037.0	1961.3	1949.2
15°	3005.6	2901.7	2686.8	2504.1	2358.9	2250.9	2181.3	2171.2	2171.2	2085.4	2061.2
17.5°	3081.2	2967.2	2722.1	2514.2	2320.5	2164.1	2121.8	2209.5	2308.4	2246.9	2192.4
20°	3168.0	3029.8	2751.3	2514.2	2249.9	2054.2	2050.1	2199.4	2345.7	2346.8	2289.2
22.5°	3255.8	3102.4	2785.6	2505.2	2153.0	1927.0	2001.7	2159.1	2289.2	2344.7	2305.4
25°	3398.0	3203.3	2840.1	2498.1	2040.0	1840.3	1958.3	2105.6	2215.6	2274.1	2248.9
27.5°	3578.6	3336.5	2922.8	2509.2	1928.0	1788.8	1911.9	2036.0	2135.9	2187.3	2169.2
30°	3780.4	3489.9	3011.6	2528.4	1847.3	1762.6	1856.4	1956.3	2045.1	2096.5	2088.5
32.5°	4037.7	3656.3	3088.3	2502.1	1801.9	1749.5	1797.9	1869.5	1955.3	1987.6	1994.6
35°	4345.4	3840.0	3146.8	2399.2	1760.6	1735.3	1734.3	1778.7	1839.3	1890.7	1895.8
37.5°	4628.9	4054.9	3211.4	2222.7	1685.9	1700.0	1659.7	1685.9	1745.4	1796.9	1817.1
40°	4909.4	4272.8	3301.2	1997.7	1588.0	1621.3	1573.9	1592.1	1639.5	1707.1	1739.4
42.5°	5181.8	4469.5	3396.0	1767.6	1490.2	1511.4	1476.1	1494.2	1543.7	1628.4	1664.7
45°	5478.4	4735.9	3469.7	1550.7	1405.4	1396.3	1368.1	1394.3	1469.0	1561.8	1605.2
47.5°	6039.4	5155.6	3518.1	1406.4	1360.0	1294.4	1262.2	1318.7	1403.4	1497.2	1549.7
50°	6724.5	5763.0	3504.0	1314.6	1320.7	1189.5	1178.4	1253.1	1343.9	1441.7	1499.3
52.5°	7267.3	6359.2	3343.6	1226.8	1244.0	1122.9	1090.6	1199.6	1286.4	1386.3	1445.8
55°	7681.9	6560.0	2851.2	1122.9	1118.9	1074.5	1006.9	1144.1	1228.9	1321.7	1386.3
57.5°	7343.9	6113.1	2113.7	979.7	955.4	978.7	913.1	1050.3	1158.2	1250.1	1307.6
60°	6094.9	4874.1	1177.4	867.7	799.1	855.6	845.5	951.4	1081.6	1178.4	1227.9
62.5°	4137.6	3245.7	698.2	686.1	647.7	728.4	781.9	851.5	979.7	1058.4	1104.8
65°	2062.2	1576.9	464.1	513.5	518.6	599.3	700.2	776.9	883.8	964.5	1010.9
67.5°	598.3	490.3	353.1	392.5	447.0	511.5	592.2	683.0	787.0	882.8	937.3
70°	258.3	261.3	280.5	326.9	380.4	447.0	527.7	616.5	704.2	777.9	819.2
72.5°	182.6	189.7	210.9	258.3	308.7	372.3	453.0	538.8	602.3	677.0	720.4
75°	117.0	122.1	139.2	175.6	212.9	274.4	351.1	429.8	495.4	548.9	590.2
77.5°	64.6	65.6	79.7	100.9	126.1	165.5	222.0	283.5	331.9	362.2	399.5
80°	37.3	37.3	44.4	57.5	72.6	96.9	128.1	158.4	187.7	206.8	225.0
82.5°	20.2	20.2	23.2	31.3	39.3	53.5	71.6	86.8	104.9	115.0	127.1
85°	6.1	6.1	8.1	11.1	14.1	20.2	28.2	36.3	44.4	51.5	58.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0
2.5°	2141.9	2127.8	2119.7	2109.7	2112.7	2103.6	2098.6	2101.6	2083.4	2101.6	2119.7
5°	2052.1	2032.0	2015.8	2002.7	1996.7	1984.5	1977.5	1977.5	1966.4	1984.5	2006.7
7.5°	1973.5	1957.3	1949.2	1941.2	1932.1	1921.0	1908.9	1904.8	1897.8	1917.0	1936.1
10°	1921.0	1923.0	1928.0	1939.1	1937.1	1930.1	1911.9	1901.8	1901.8	1924.0	1953.3
12.5°	1945.2	1966.4	1978.5	1998.7	2002.7	1996.7	1978.5	1970.4	1990.6	2023.9	2072.3
15°	2039.0	2053.2	2063.2	2079.4	2078.4	2073.3	2059.2	2065.3	2131.9	2196.4	2239.8
17.5°	2140.9	2124.8	2122.8	2132.9	2135.9	2129.8	2121.8	2149.0	2259.0	2319.5	2341.7
20°	2214.6	2159.1	2147.0	2151.0	2159.1	2156.1	2156.1	2200.5	2314.5	2342.7	2314.5
22.5°	2236.8	2158.1	2139.9	2140.9	2152.0	2153.0	2158.1	2204.5	2271.1	2272.1	2228.7
25°	2201.5	2125.8	2112.7	2114.7	2127.8	2126.8	2128.8	2155.1	2184.3	2172.2	2139.9
27.5°	2134.9	2069.3	2065.3	2076.4	2093.5	2084.4	2078.4	2085.4	2099.6	2084.4	2056.2
30°	2059.2	2003.7	2005.7	2026.9	2045.1	2030.0	2014.8	2018.9	2019.9	2003.7	1971.4
32.5°	1979.5	1938.1	1945.2	1967.4	1988.6	1972.4	1956.3	1954.3	1935.1	1915.9	1884.7
35°	1899.8	1883.7	1892.7	1910.9	1929.1	1915.9	1905.9	1899.8	1858.4	1830.2	1804.0
37.5°	1827.2	1839.3	1855.4	1866.5	1872.6	1871.5	1865.5	1851.4	1796.9	1763.6	1729.3
40°	1762.6	1799.9	1817.1	1822.1	1831.2	1829.2	1828.2	1808.0	1736.4	1701.0	1661.7
42.5°	1704.1	1756.5	1785.8	1790.8	1795.9	1796.9	1793.9	1764.6	1682.9	1641.5	1604.2
45°	1647.6	1716.2	1753.5	1748.5	1755.5	1755.5	1758.6	1720.2	1630.4	1588.0	1548.7
47.5°	1598.1	1678.8	1713.1	1707.1	1711.1	1714.2	1717.2	1672.8	1572.9	1532.6	1492.2
50°	1552.7	1638.5	1667.7	1669.8	1669.8	1676.8	1675.8	1632.4	1524.5	1481.1	1440.7
52.5°	1504.3	1597.1	1628.4	1641.5	1645.6	1648.6	1634.5	1584.0	1475.0	1422.6	1385.2
55°	1447.8	1554.7	1583.0	1600.1	1608.2	1606.2	1587.0	1535.6	1424.6	1372.1	1329.8
57.5°	1362.0	1463.9	1504.3	1512.4	1525.5	1517.4	1495.2	1451.8	1343.9	1291.4	1248.0
60°	1268.2	1341.9	1374.2	1381.2	1371.1	1374.2	1371.1	1329.8	1235.9	1194.6	1150.2
62.5°	1145.1	1210.7	1245.0	1254.1	1236.9	1248.0	1244.0	1192.5	1098.7	1055.3	1016.0
65°	1052.3	1123.9	1164.3	1169.3	1164.3	1169.3	1155.2	1092.7	1003.9	959.5	919.1
67.5°	979.7	1053.3	1095.7	1109.8	1104.8	1103.8	1081.6	1008.9	917.1	868.7	817.2
70°	854.6	919.1	973.6	1007.9	1007.9	988.7	946.4	878.8	805.1	763.8	723.4
72.5°	756.7	838.4	891.9	927.2	934.3	923.2	863.6	792.0	707.3	665.9	623.5
75°	623.5	703.2	760.7	807.1	816.2	804.1	735.5	664.9	586.2	545.8	503.5
77.5°	416.7	464.1	510.5	552.9	543.8	551.9	505.5	452.0	403.6	373.3	354.1
80°	235.1	266.4	280.5	303.7	303.7	303.7	273.4	248.2	221.0	203.8	184.6
82.5°	133.2	153.4	159.4	178.6	183.6	184.6	164.5	148.3	131.2	122.1	109.0
85°	61.5	72.6	73.7	84.7	88.8	96.9	87.8	76.7	66.6	62.6	54.5
87.5°	2.0	6.1	8.1	15.1	20.2	23.2	25.2	25.2	21.2	19.2	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0
2.5°	2141.9	2166.2	2194.4	2214.6	2250.9	2281.2	2312.4	2346.8	2372.0	2365.9
5°	2034.0	2074.3	2125.8	2173.2	2240.8	2309.4	2385.1	2462.8	2508.2	2506.2
7.5°	1973.5	2031.0	2093.5	2157.1	2236.8	2335.7	2451.7	2572.8	2634.3	2637.3
10°	2005.7	2067.3	2109.7	2163.1	2246.9	2371.0	2510.2	2655.5	2726.1	2740.2
12.5°	2107.6	2102.6	2099.6	2137.9	2238.8	2396.2	2566.7	2740.2	2819.9	2837.1
15°	2204.5	2100.6	2038.0	2064.3	2202.5	2412.3	2622.2	2833.1	2922.8	2941.0
17.5°	2222.7	2065.3	1949.2	1967.4	2145.0	2417.4	2675.7	2923.9	3020.7	3037.9
20°	2172.2	2019.9	1884.7	1859.4	2072.3	2404.3	2709.0	2999.5	3105.5	3123.6
22.5°	2108.6	1979.5	1836.2	1770.7	1983.5	2391.1	2746.3	3079.2	3201.3	3217.5
25°	2042.1	1928.0	1790.8	1691.0	1882.6	2383.1	2808.8	3184.2	3331.5	3350.6
27.5°	1971.4	1865.5	1751.5	1652.6	1789.8	2393.2	2897.6	3353.7	3521.1	3548.4
30°	1895.8	1802.9	1726.3	1639.5	1726.3	2402.2	2995.5	3527.2	3723.9	3762.3
32.5°	1817.1	1745.4	1700.0	1645.6	1686.9	2381.1	3081.2	3721.9	3966.1	3999.4
35°	1738.4	1686.9	1666.7	1656.6	1634.5	2303.4	3150.9	3918.7	4242.5	4271.8
37.5°	1664.7	1626.4	1620.3	1631.4	1553.7	2176.2	3231.6	4168.9	4513.9	4558.3
40°	1596.1	1560.8	1559.8	1557.8	1465.0	2002.7	3340.5	4423.1	4781.3	4801.5
42.5°	1532.6	1488.2	1496.2	1472.0	1392.3	1815.1	3443.5	4640.0	5030.5	5044.6
45°	1476.1	1417.5	1426.6	1396.3	1358.0	1618.3	3534.3	4896.3	5346.3	5355.4
47.5°	1421.6	1359.0	1333.8	1331.8	1352.0	1436.7	3623.0	5389.7	5840.6	5856.8
50°	1371.1	1303.5	1231.9	1276.3	1314.6	1300.5	3734.0	5918.3	6351.2	6347.1
52.5°	1322.7	1233.9	1132.0	1217.8	1217.8	1199.6	3702.7	6239.2	6772.9	6842.5
55°	1267.2	1121.9	1028.1	1119.9	1075.5	1108.8	3148.8	6344.1	7038.2	7137.1
57.5°	1157.2	983.7	902.0	951.4	884.8	1028.1	2262.0	5823.5	6587.3	6762.8
60°	1051.3	881.8	828.3	819.2	732.5	838.4	1466.0	4559.3	5421.9	5510.7
62.5°	927.2	794.0	748.6	679.0	589.2	610.4	887.9	3000.5	3643.2	3663.4
65°	833.4	719.4	632.6	549.9	482.3	442.9	524.6	1446.8	1821.1	1796.9
67.5°	715.3	616.5	533.7	474.2	418.7	369.3	349.1	429.8	486.3	470.2
70°	636.6	541.8	462.1	405.6	354.1	304.7	269.4	253.2	248.2	244.2
72.5°	548.9	466.1	383.4	328.9	280.5	235.1	202.8	183.6	178.6	174.5
75°	437.9	360.2	284.5	233.1	190.7	158.4	137.2	121.1	118.0	114.0
77.5°	289.6	231.0	169.5	138.2	113.0	95.8	81.7	71.6	69.6	67.6
80°	159.4	133.2	103.9	83.7	67.6	58.5	53.5	47.4	46.4	45.4
82.5°	94.8	79.7	59.5	47.4	39.3	35.3	32.3	29.3	28.2	27.2
85°	47.4	37.3	26.2	22.2	20.2	18.2	18.2	15.1	14.1	14.1
87.5°	12.1	10.1	6.1	5.0	5.0	5.0	4.0	3.0	3.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)