

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: P635184

Luminaire Tested: GWS-SA3D-730-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635184
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-SA3D-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12538 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

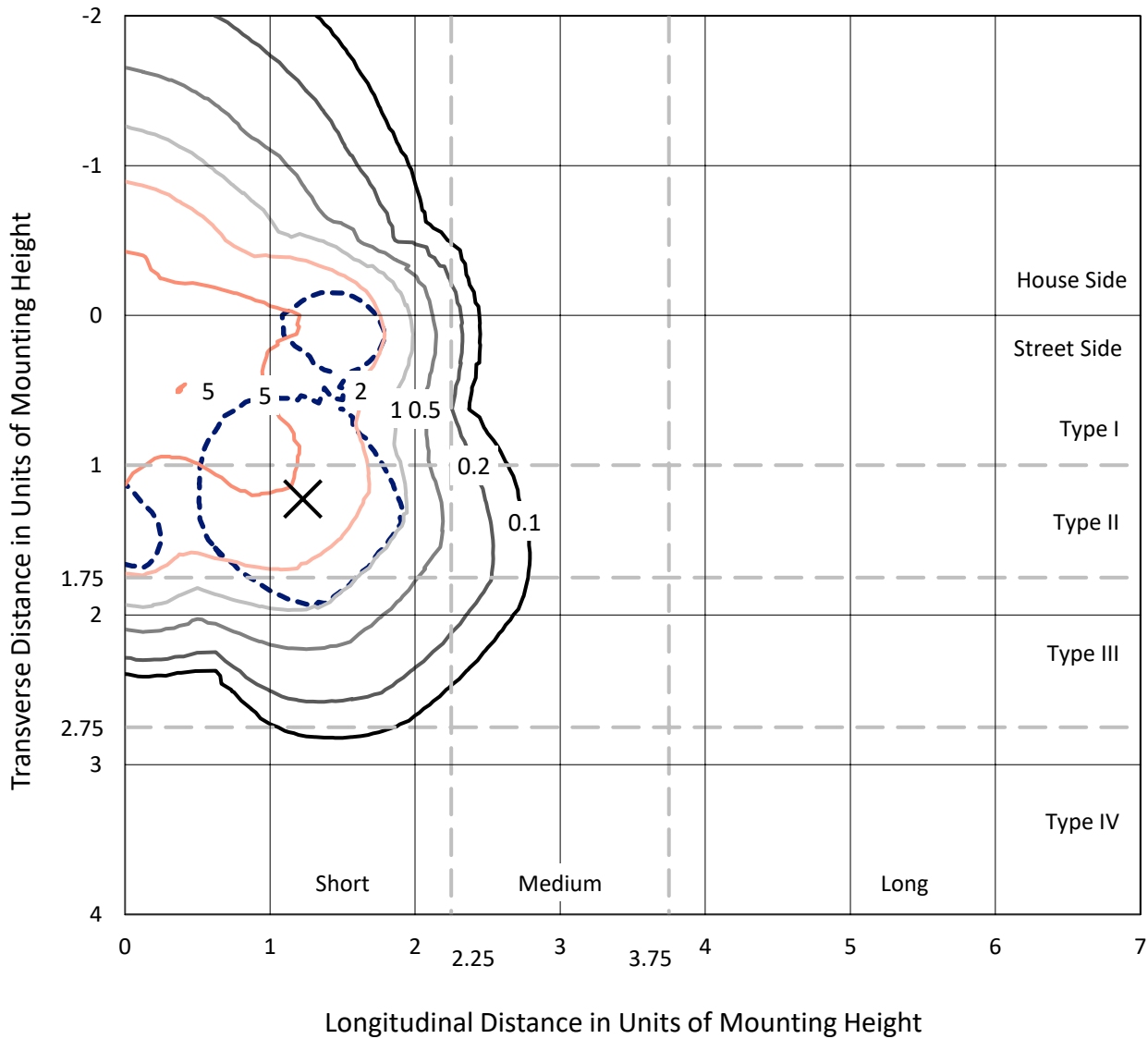
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

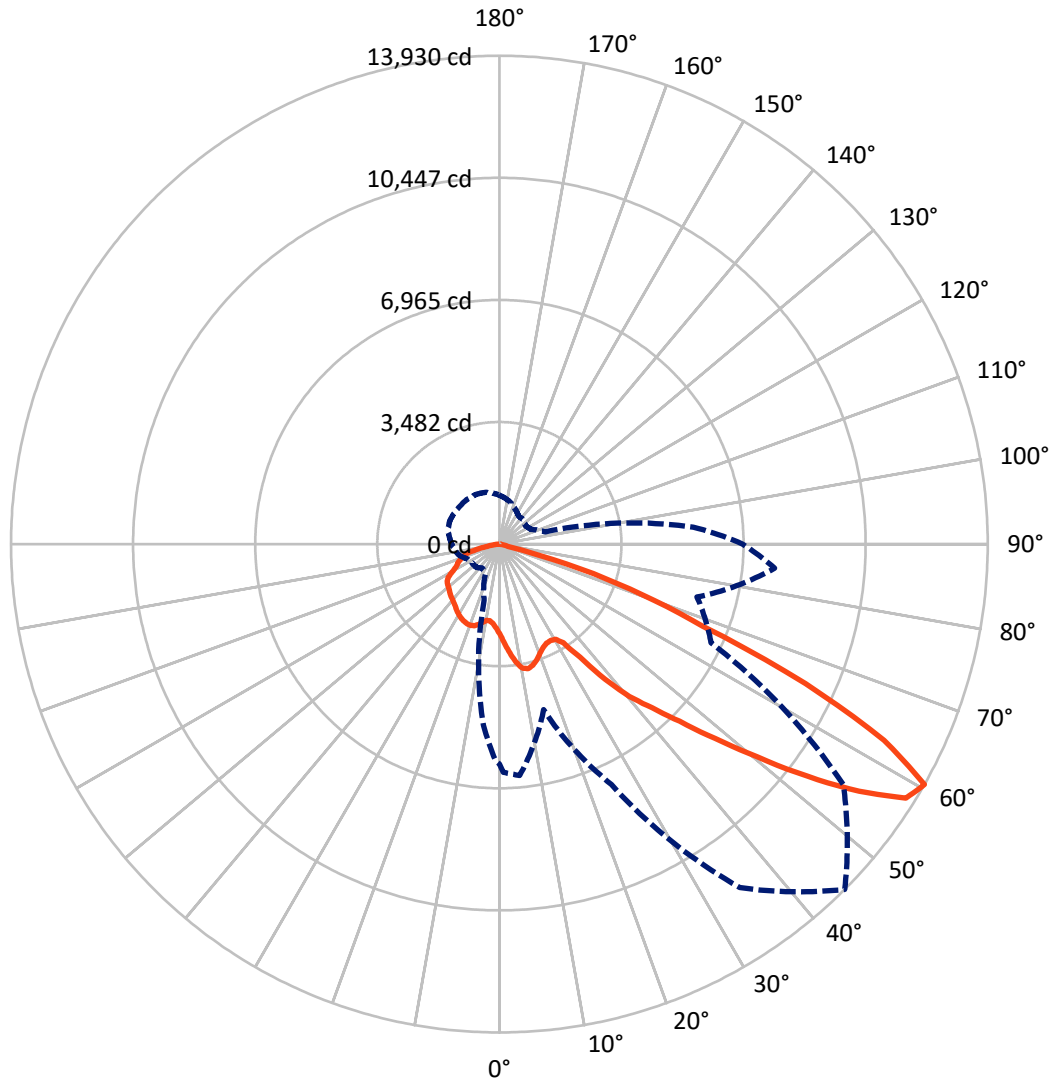
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.6 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	4395.0	0.0	4395.0
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	8143.0	0.0	8143.0
	% Fixture	64.9	0.0	64.9
Total	Lumens	12538.0	0.0	12538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.3	2.0
10°-20°	794.1	6.3
20°-30°	1289.9	10.3
30°-40°	1819.2	14.5
40°-50°	2514.1	20.1
50°-60°	3236.4	25.8
60°-70°	2050.6	16.4
70°-80°	526.2	4.2
80°-90°	56.3	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°	12538.0	100.0
0°-180°	12538.0	100.0

Coefficient of Utilization



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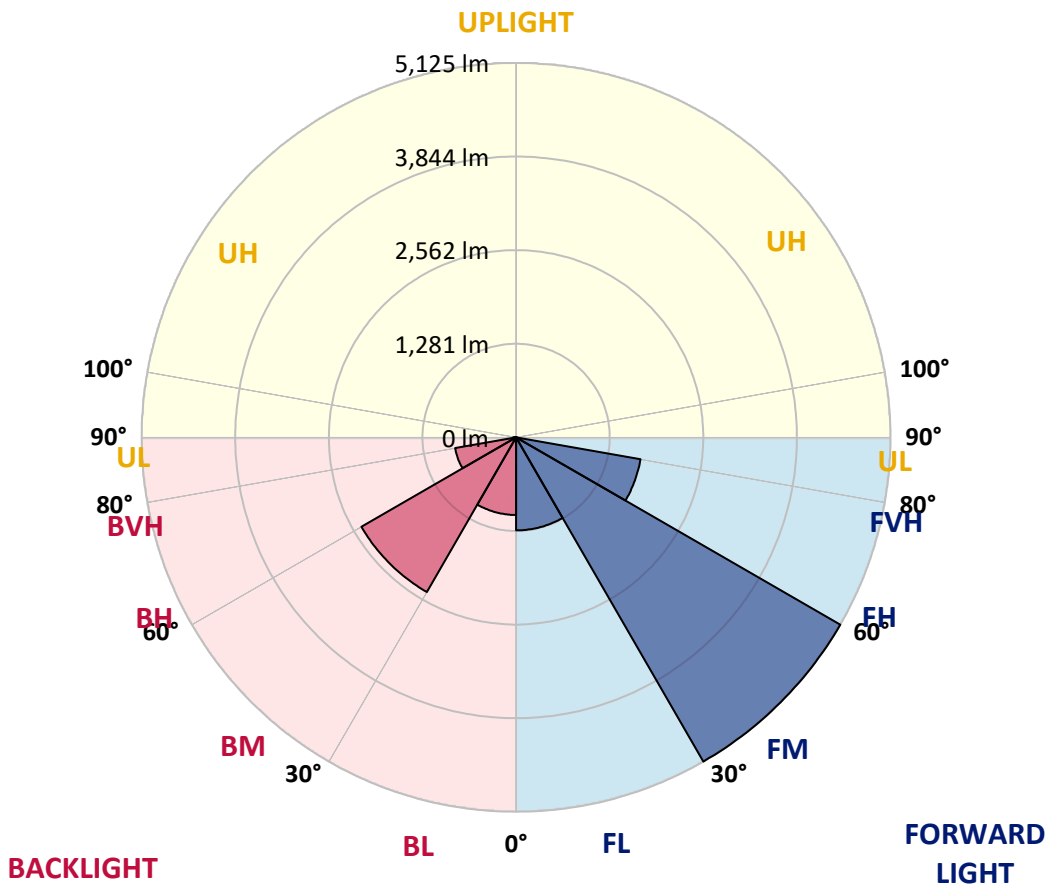
CATALOG NUMBER: GWS-SA3D-730-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1273.1	10.2			
FM (30°-60°)	5124.8	40.9			
FH (60°-80°)	1729.8	13.8			G1/1800
FVH (80°-90°)	15.3	0.1			G1/100
BL (0°-30°)	1062.3	8.5	B3/2500		
BM (30°-60°)	2444.8	19.5	B2/2500		
BH (60°-80°)	847.0	6.8	B2/1000		G2/1000
BVH (80°-90°)	41.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7
2.5°	2694.0	2712.4	2723.9	2745.7	2784.8	2806.6	2830.7	2804.3	2811.2	2807.7	2765.2
5°	2853.7	2875.5	2905.4	2969.7	3042.1	3082.3	3120.2	3114.5	3078.9	3019.1	2976.6
7.5°	3003.0	3028.3	3080.0	3184.6	3291.4	3353.4	3399.4	3369.5	3339.6	3245.4	3138.6
10°	3120.2	3135.2	3205.2	3345.4	3469.5	3539.5	3595.8	3588.9	3547.6	3441.9	3298.3
12.5°	3230.5	3240.8	3316.7	3456.8	3568.3	3599.3	3645.2	3660.2	3646.4	3567.1	3425.8
15°	3348.8	3368.4	3438.4	3545.3	3595.8	3563.7	3579.7	3621.1	3660.2	3660.2	3530.3
17.5°	3459.1	3476.4	3547.6	3593.5	3545.3	3460.3	3464.9	3517.7	3610.8	3708.4	3625.7
20°	3556.8	3572.9	3642.9	3599.3	3446.5	3322.4	3319.0	3383.3	3533.8	3739.4	3727.9
22.5°	3663.6	3686.6	3745.2	3603.9	3354.6	3197.2	3196.0	3262.7	3466.0	3770.5	3845.1
25°	3815.3	3850.9	3880.7	3644.1	3305.2	3115.6	3130.6	3193.7	3444.2	3821.0	4018.6
27.5°	4040.4	4069.1	4066.9	3727.9	3302.9	3082.3	3113.3	3186.8	3483.2	3910.6	4201.3
30°	4284.0	4298.9	4274.8	3845.1	3355.7	3103.0	3148.9	3236.2	3582.0	4058.8	4470.1
32.5°	4554.0	4572.3	4526.4	4020.9	3478.7	3255.8	3356.9	3399.4	3721.1	4272.5	4755.0
35°	4864.1	4899.8	4804.4	4253.0	3840.5	3813.0	3960.0	3904.9	4016.3	4525.2	5059.4
37.5°	5190.4	5191.6	5054.8	4596.5	4550.5	4597.6	4891.7	4719.4	4642.4	4806.7	5369.6
40°	5467.3	5460.4	5250.1	5059.4	5168.6	5355.8	5710.8	5446.6	5244.4	5184.7	5627.0
42.5°	5744.1	5718.9	5506.3	5353.5	5594.8	5979.7	6380.6	6056.6	5630.4	5528.2	5880.9
45°	6098.0	6089.9	5833.7	5470.7	5979.7	6678.1	7210.0	6685.0	5859.0	5728.1	6303.6
47.5°	6668.9	6629.9	6153.1	5461.5	6340.4	7608.7	8280.8	7476.6	6018.7	5732.7	6986.0
50°	7227.3	7179.0	6534.5	5460.4	6712.6	8573.7	9544.5	8438.1	6181.8	5760.2	7679.9
52.5°	7791.4	7791.4	7160.6	5590.2	7103.2	9651.3	11004.6	9636.4	6459.9	6121.0	8533.5
55°	8126.8	8216.4	7864.9	5809.6	7560.4	10919.6	12448.7	10930.0	6889.5	6772.3	9321.6
57.5°	7700.6	7868.3	7817.8	5656.8	7830.4	11851.3	13673.4	11911.1	7102.1	6849.3	9203.3
60°	6274.9	6508.1	6624.1	4884.8	7563.9	11959.3	13929.5	11975.4	6663.2	5832.6	7883.3
62.5°	4171.4	4363.2	4540.2	3490.1	6548.3	10758.8	12320.0	10762.2	5564.9	4352.9	5461.5
65°	2046.1	2188.5	2379.2	2063.3	5115.7	8989.6	9605.4	8696.6	4025.5	2436.7	2785.9
67.5°	535.4	575.6	602.0	800.7	3664.8	6458.7	6264.6	6361.1	2586.0	796.1	728.4
70°	278.0	280.3	279.2	330.9	2476.9	4104.8	4317.3	3994.5	1804.8	333.2	287.2
72.5°	198.7	199.9	196.4	222.9	1195.9	2351.7	2436.7	2410.2	945.5	197.6	196.4
75°	129.8	131.0	128.7	131.0	180.4	267.7	247.0	259.6	157.4	125.2	125.2
77.5°	77.0	78.1	77.0	79.3	77.0	77.0	71.2	71.2	67.8	67.8	68.9
80°	51.7	51.7	50.5	52.8	48.3	48.3	46.0	44.8	41.4	40.2	40.2
82.5°	31.0	32.2	31.0	31.0	28.7	28.7	26.4	25.3	21.8	21.8	20.7
85°	16.1	16.1	14.9	14.9	12.6	11.5	9.2	9.2	6.9	5.7	5.7
87.5°	2.3	2.3	1.1	1.1	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7
2.5°	2753.7	2730.8	2696.3	2663.0	2632.0	2599.8	2563.0	2525.1	2493.0	2459.6	2442.4
5°	2920.3	2873.2	2783.6	2704.3	2633.1	2574.5	2511.3	2457.3	2406.8	2365.4	2344.8
7.5°	3070.8	2997.3	2861.7	2736.5	2640.0	2559.6	2472.3	2391.9	2324.1	2273.5	2254.0
10°	3209.8	3122.5	2944.4	2785.9	2673.3	2583.7	2476.9	2367.7	2278.1	2211.5	2195.4
12.5°	3322.4	3222.5	3009.9	2826.1	2692.9	2596.4	2502.1	2407.9	2319.5	2233.3	2219.5
15°	3422.4	3304.0	3059.3	2851.4	2686.0	2563.0	2483.8	2472.3	2472.3	2374.6	2347.1
17.5°	3508.5	3378.7	3099.5	2862.9	2642.3	2464.2	2416.0	2515.9	2628.5	2558.4	2496.4
20°	3607.3	3449.9	3132.9	2862.9	2561.9	2339.0	2334.4	2504.4	2671.0	2672.2	2606.7
22.5°	3707.3	3532.6	3171.9	2852.5	2451.6	2194.3	2279.3	2458.5	2606.7	2669.9	2625.1
25°	3869.3	3647.5	3234.0	2844.5	2322.9	2095.5	2229.9	2397.6	2522.8	2589.5	2560.7
27.5°	4074.9	3799.2	3328.2	2857.1	2195.4	2036.9	2177.0	2318.3	2432.1	2490.7	2470.0
30°	4304.7	3973.8	3429.3	2879.0	2103.5	2007.0	2113.8	2227.6	2328.7	2387.3	2378.1
32.5°	4597.6	4163.4	3516.6	2849.1	2051.8	1992.1	2047.2	2128.8	2226.4	2263.2	2271.2
35°	4948.0	4372.4	3583.2	2731.9	2004.7	1976.0	1974.8	2025.4	2094.3	2152.9	2158.6
37.5°	5270.8	4617.1	3656.7	2530.9	1919.7	1935.8	1889.8	1919.7	1987.5	2046.1	2069.0
40°	5590.2	4865.3	3759.0	2274.7	1808.3	1846.2	1792.2	1812.9	1866.8	1943.8	1980.6
42.5°	5900.4	5089.3	3867.0	2012.7	1696.8	1720.9	1680.7	1701.4	1757.7	1854.2	1895.6
45°	6238.1	5392.6	3950.8	1765.7	1600.3	1590.0	1557.8	1587.7	1672.7	1778.4	1827.8
47.5°	6876.9	5870.5	4006.0	1601.5	1548.6	1473.9	1437.2	1501.5	1598.0	1704.9	1764.6
50°	7656.9	6562.1	3989.9	1496.9	1503.8	1354.5	1341.8	1426.8	1530.2	1641.7	1707.2
52.5°	8275.0	7241.1	3807.2	1397.0	1416.5	1278.6	1241.9	1366.0	1464.8	1578.5	1646.3
55°	8747.2	7469.7	3246.6	1278.6	1274.1	1223.5	1146.5	1302.8	1399.3	1505.0	1578.5
57.5°	8362.3	6960.7	2406.8	1115.5	1087.9	1114.4	1039.7	1195.9	1318.9	1423.4	1488.9
60°	6940.1	5550.0	1340.7	988.0	909.9	974.2	962.7	1083.3	1231.5	1341.8	1398.1
62.5°	4711.3	3695.8	795.0	781.2	737.5	829.5	890.3	969.6	1115.5	1205.1	1258.0
65°	2348.2	1795.6	528.5	584.8	590.5	682.4	797.3	884.6	1006.4	1098.3	1151.1
67.5°	681.3	558.3	402.1	446.9	508.9	582.5	674.4	777.8	896.1	1005.2	1067.3
70°	294.1	297.5	319.4	372.2	433.1	508.9	600.8	701.9	801.9	885.7	932.8
72.5°	207.9	216.0	240.1	294.1	351.5	423.9	515.8	613.5	685.9	770.9	820.3
75°	133.3	139.0	158.5	199.9	242.4	312.5	399.8	489.4	564.1	625.0	672.1
77.5°	73.5	74.7	90.8	114.9	143.6	188.4	252.7	322.8	378.0	412.4	454.9
80°	42.5	42.5	50.5	65.5	82.7	110.3	145.9	180.4	213.7	235.5	256.2
82.5°	23.0	23.0	26.4	35.6	44.8	60.9	81.6	98.8	119.5	131.0	144.8
85°	6.9	6.9	9.2	12.6	16.1	23.0	32.2	41.4	50.5	58.6	66.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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°	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7
2.5°	2439.0	2422.9	2413.7	2402.2	2405.6	2395.3	2389.6	2393.0	2372.3	2393.0	2413.7
5°	2336.7	2313.7	2295.4	2280.4	2273.5	2259.7	2251.7	2251.7	2239.1	2259.7	2285.0
7.5°	2247.1	2228.7	2219.5	2210.3	2200.0	2187.4	2173.6	2169.0	2160.9	2182.8	2204.6
10°	2187.4	2189.7	2195.4	2208.0	2205.8	2197.7	2177.0	2165.5	2165.5	2190.8	2224.1
12.5°	2214.9	2239.1	2252.9	2275.8	2280.4	2273.5	2252.9	2243.7	2266.6	2304.5	2359.7
15°	2321.8	2337.9	2349.4	2367.7	2366.6	2360.8	2344.8	2351.7	2427.5	2501.0	2550.4
17.5°	2437.8	2419.4	2417.1	2428.6	2432.1	2425.2	2416.0	2447.0	2572.2	2641.2	2666.4
20°	2521.7	2458.5	2444.7	2449.3	2458.5	2455.0	2455.0	2505.6	2635.4	2667.6	2635.4
22.5°	2547.0	2457.3	2436.7	2437.8	2450.5	2451.6	2457.3	2510.2	2586.0	2587.2	2537.8
25°	2506.7	2420.6	2405.6	2407.9	2422.9	2421.7	2424.0	2453.9	2487.2	2473.4	2436.7
27.5°	2430.9	2356.2	2351.7	2364.3	2383.8	2373.5	2366.6	2374.6	2390.7	2373.5	2341.3
30°	2344.8	2281.6	2283.9	2308.0	2328.7	2311.4	2294.2	2298.8	2300.0	2281.6	2244.8
32.5°	2254.0	2206.9	2214.9	2240.2	2264.3	2246.0	2227.6	2225.3	2203.5	2181.6	2146.0
35°	2163.2	2144.9	2155.2	2175.9	2196.6	2181.6	2170.1	2163.2	2116.1	2084.0	2054.1
37.5°	2080.5	2094.3	2112.7	2125.3	2132.2	2131.1	2124.2	2108.1	2046.1	2008.2	1969.1
40°	2007.0	2049.5	2069.0	2074.8	2085.1	2082.8	2081.7	2058.7	1977.1	1936.9	1892.1
42.5°	1940.4	2000.1	2033.4	2039.2	2044.9	2046.1	2042.6	2009.3	1916.2	1869.1	1826.6
45°	1876.0	1954.2	1996.7	1990.9	1999.0	1999.0	2002.4	1958.8	1856.5	1808.3	1763.5
47.5°	1819.7	1911.7	1950.7	1943.8	1948.4	1951.9	1955.3	1904.8	1791.0	1745.1	1699.1
50°	1768.0	1865.7	1899.0	1901.3	1901.3	1909.4	1908.2	1858.8	1735.9	1686.5	1640.5
52.5°	1712.9	1818.6	1854.2	1869.1	1873.7	1877.2	1861.1	1803.7	1679.6	1619.8	1577.3
55°	1648.6	1770.3	1802.5	1822.0	1831.2	1828.9	1807.1	1748.5	1622.1	1562.4	1514.2
57.5°	1550.9	1666.9	1712.9	1722.1	1737.0	1727.8	1702.6	1653.2	1530.2	1470.5	1421.1
60°	1444.1	1527.9	1564.7	1572.7	1561.3	1564.7	1561.3	1514.2	1407.3	1360.2	1309.7
62.5°	1303.9	1378.6	1417.7	1428.0	1408.5	1421.1	1416.5	1357.9	1251.1	1201.7	1156.9
65°	1198.2	1279.8	1325.7	1331.5	1325.7	1331.5	1315.4	1244.2	1143.1	1092.5	1046.6
67.5°	1115.5	1199.4	1247.6	1263.7	1258.0	1256.8	1231.5	1148.8	1044.3	989.1	930.6
70°	973.1	1046.6	1108.6	1147.7	1147.7	1125.9	1077.6	1000.6	916.8	869.7	823.7
72.5°	861.6	954.7	1015.6	1055.8	1063.8	1051.2	983.4	901.8	805.3	758.2	710.0
75°	710.0	800.7	866.2	919.1	929.4	915.6	837.5	757.1	667.5	621.5	573.3
77.5°	474.5	528.5	581.3	629.6	619.2	628.4	575.6	514.7	459.5	425.1	403.2
80°	267.7	303.3	319.4	345.8	345.8	345.8	311.3	282.6	251.6	232.1	210.2
82.5°	151.6	174.6	181.5	203.3	209.1	210.2	187.3	168.9	149.3	139.0	124.1
85°	70.1	82.7	83.9	96.5	101.1	110.3	99.9	87.3	75.8	71.2	62.0
87.5°	2.3	6.9	9.2	17.2	23.0	26.4	28.7	28.7	24.1	21.8	18.4
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7	2575.7
2.5°	2439.0	2466.5	2498.7	2521.7	2563.0	2597.5	2633.1	2672.2	2700.9	2694.0
5°	2316.0	2362.0	2420.6	2474.6	2551.5	2629.7	2715.8	2804.3	2856.0	2853.7
7.5°	2247.1	2312.6	2383.8	2456.2	2547.0	2659.5	2791.7	2929.5	2999.6	3003.0
10°	2283.9	2353.9	2402.2	2463.1	2558.4	2699.7	2858.3	3023.7	3104.1	3120.2
12.5°	2399.9	2394.2	2390.7	2434.4	2549.2	2728.5	2922.6	3120.2	3211.0	3230.5
15°	2510.2	2391.9	2320.6	2350.5	2507.9	2746.8	2985.8	3225.9	3328.2	3348.8
17.5°	2530.9	2351.7	2219.5	2240.2	2442.4	2752.6	3046.7	3329.3	3439.6	3459.1
20°	2473.4	2300.0	2146.0	2117.3	2359.7	2737.7	3084.6	3415.5	3536.1	3556.8
22.5°	2401.1	2254.0	2090.9	2016.2	2258.6	2722.7	3127.1	3506.2	3645.2	3663.6
25°	2325.2	2195.4	2039.2	1925.4	2143.7	2713.5	3198.3	3625.7	3793.4	3815.3
27.5°	2244.8	2124.2	1994.4	1881.8	2038.0	2725.0	3299.4	3818.7	4009.4	4040.4
30°	2158.6	2053.0	1965.6	1866.8	1965.6	2735.4	3410.9	4016.3	4240.3	4284.0
32.5°	2069.0	1987.5	1935.8	1873.7	1920.8	2711.2	3508.5	4238.0	4516.0	4554.0
35°	1979.4	1920.8	1897.9	1886.4	1861.1	2622.8	3587.8	4462.0	4830.8	4864.1
37.5°	1895.6	1851.9	1845.0	1857.7	1769.2	2478.0	3679.7	4747.0	5139.9	5190.4
40°	1817.4	1777.2	1776.1	1773.8	1668.1	2280.4	3803.8	5036.5	5444.3	5467.3
42.5°	1745.1	1694.5	1703.7	1676.1	1585.4	2066.7	3921.0	5283.5	5728.1	5744.1
45°	1680.7	1614.1	1624.4	1590.0	1546.3	1842.7	4024.3	5575.3	6087.6	6098.0
47.5°	1618.7	1547.5	1518.8	1516.5	1539.4	1635.9	4125.4	6137.0	6650.6	6668.9
50°	1561.3	1484.3	1402.7	1453.3	1496.9	1480.8	4251.8	6739.0	7231.9	7227.3
52.5°	1506.1	1405.0	1289.0	1386.6	1386.6	1366.0	4216.2	7104.4	7712.1	7791.4
55°	1442.9	1277.5	1170.7	1275.2	1224.7	1262.6	3585.5	7223.8	8014.2	8126.8
57.5°	1317.7	1120.1	1027.1	1083.3	1007.5	1170.7	2575.7	6631.0	7500.7	7700.6
60°	1197.1	1004.1	943.2	932.8	834.0	954.7	1669.2	5191.6	6173.8	6274.9
62.5°	1055.8	904.1	852.4	773.2	670.9	695.0	1011.0	3416.6	4148.4	4171.4
65°	948.9	819.1	720.3	626.1	549.1	504.3	597.4	1647.4	2073.6	2046.1
67.5°	814.5	701.9	607.7	539.9	476.8	420.5	397.5	489.4	553.7	535.4
70°	724.9	616.9	526.2	461.8	403.2	346.9	306.7	288.4	282.6	278.0
72.5°	625.0	530.8	436.6	374.5	319.4	267.7	230.9	209.1	203.3	198.7
75°	498.6	410.1	324.0	265.4	217.1	180.4	156.2	137.9	134.4	129.8
77.5°	329.7	263.1	193.0	157.4	128.7	109.1	93.1	81.6	79.3	77.0
80°	181.5	151.6	118.3	95.4	77.0	66.6	60.9	54.0	52.8	51.7
82.5°	108.0	90.8	67.8	54.0	44.8	40.2	36.8	33.3	32.2	31.0
85°	54.0	42.5	29.9	25.3	23.0	20.7	20.7	17.2	16.1	16.1
87.5°	13.8	11.5	6.9	5.7	5.7	5.7	4.6	3.4	3.4	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)