

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: P635180

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT 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: 12473.6 lumens
Efficiency: N/A
Efficacy: 103.3 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

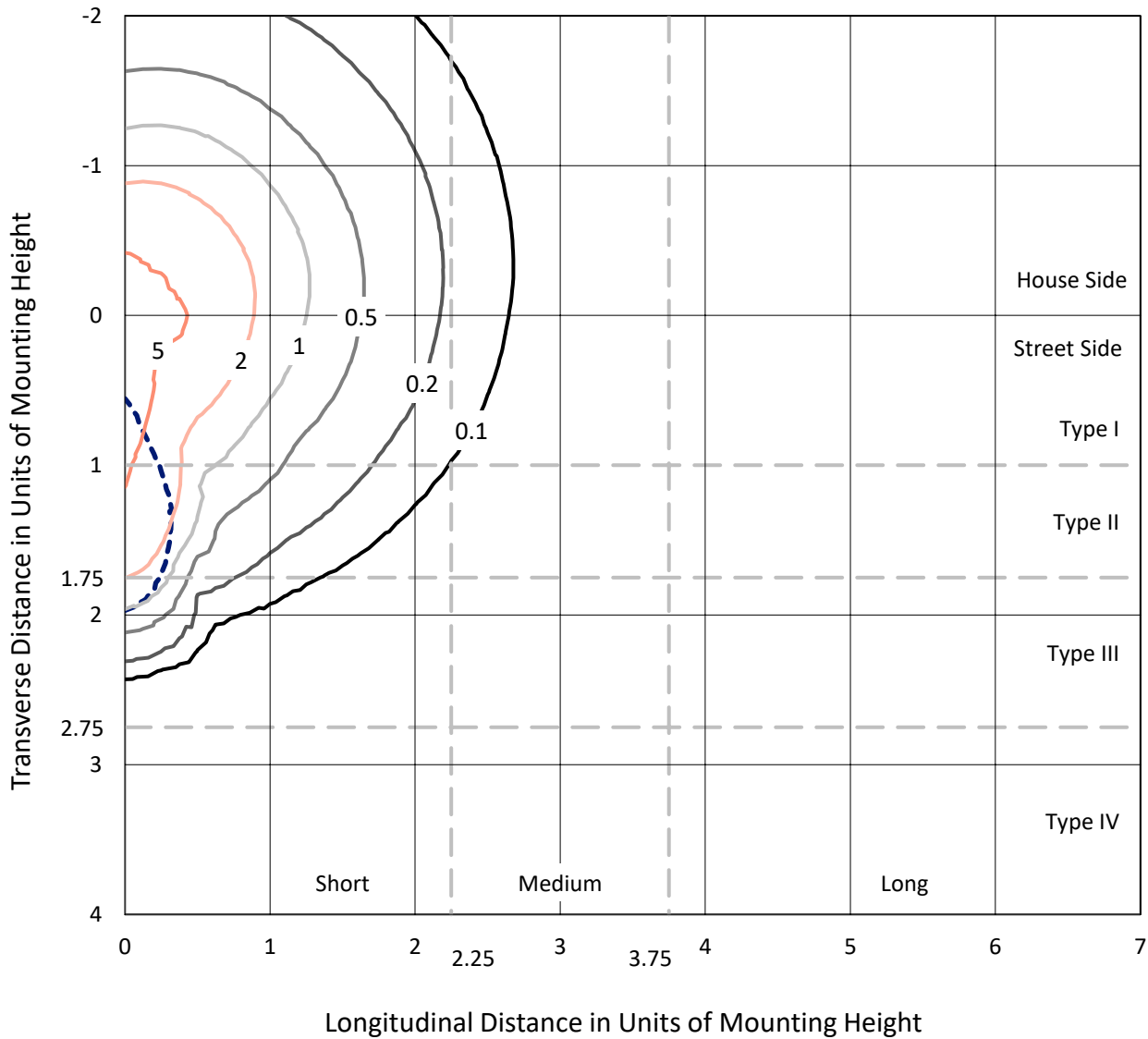
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

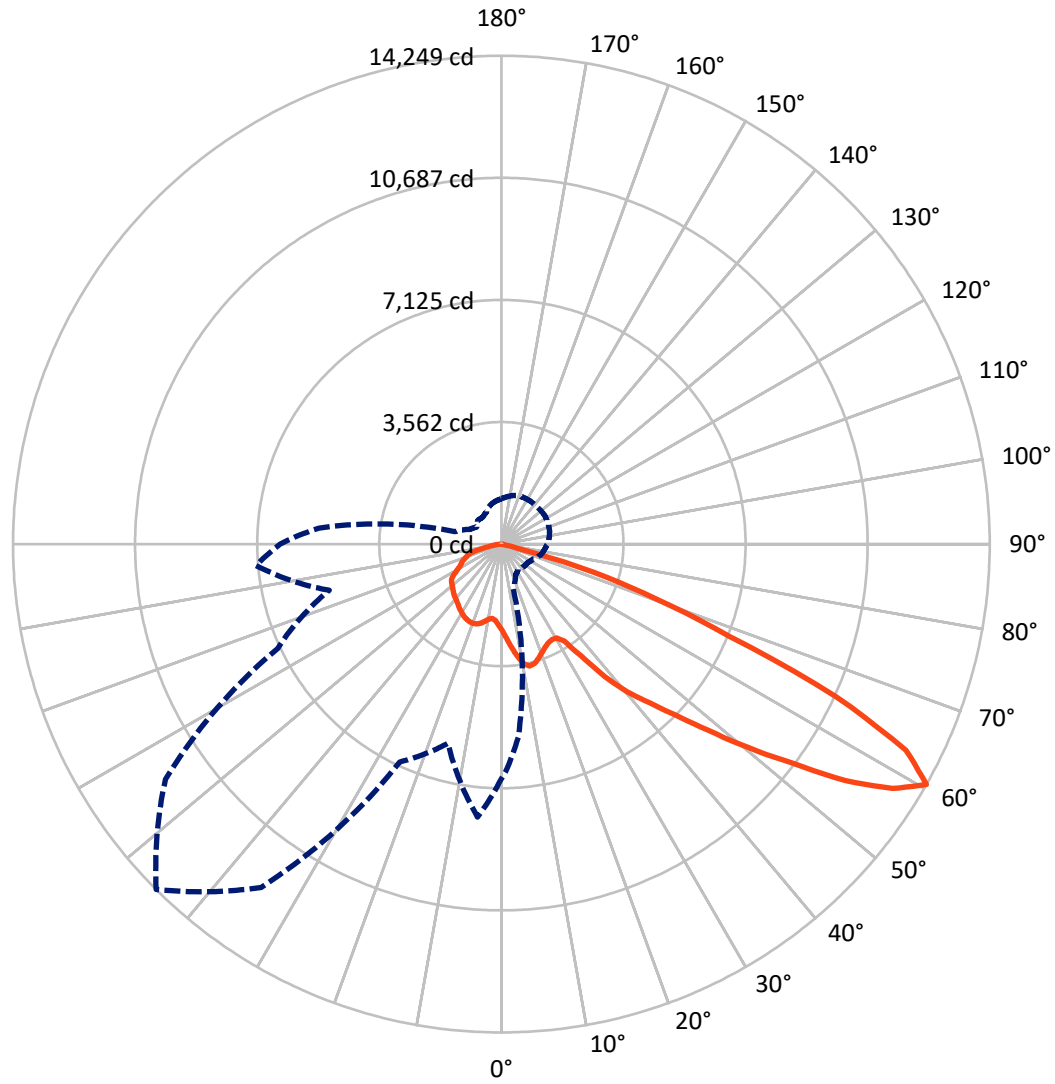
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical



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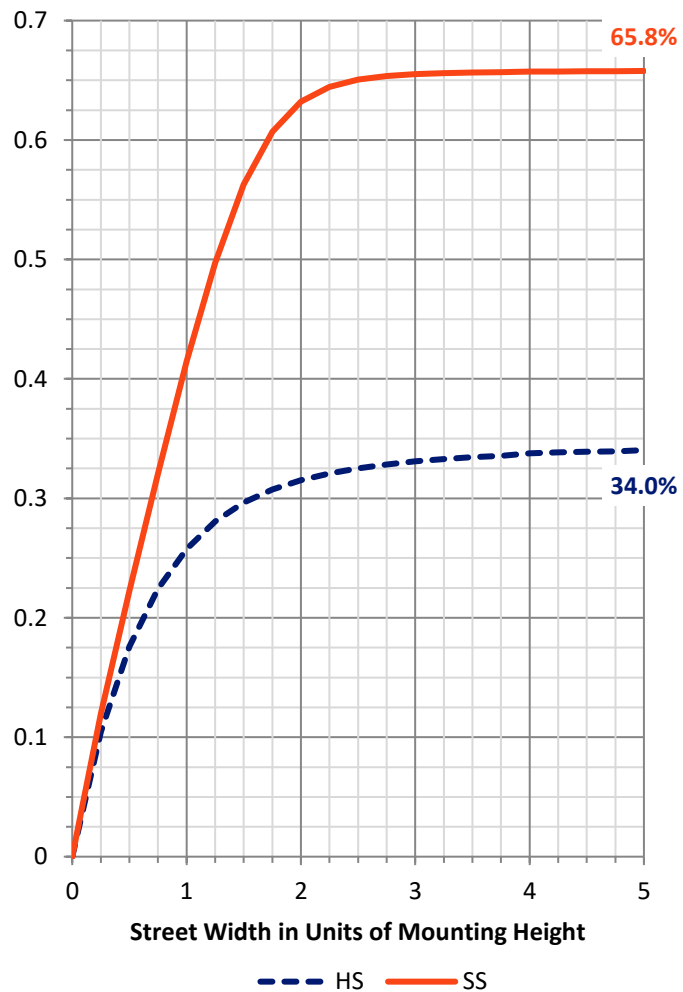
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4267.1	0.0	4267.1
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	8206.5	0.0	8206.5
	% Fixture	65.8	0.0	65.8
Total	Lumens	12473.6	0.0	12473.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.8	2.0
10°-20°	788.4	6.3
20°-30°	1283.9	10.3
30°-40°	1803.7	14.5
40°-50°	2468.1	19.8
50°-60°	3166.5	25.4
60°-70°	2132.2	17.1
70°-80°	533.0	4.3
80°-90°	52.0	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°	12473.6	100.0
0°-180°	12473.6	100.0

Coefficient of Utilization



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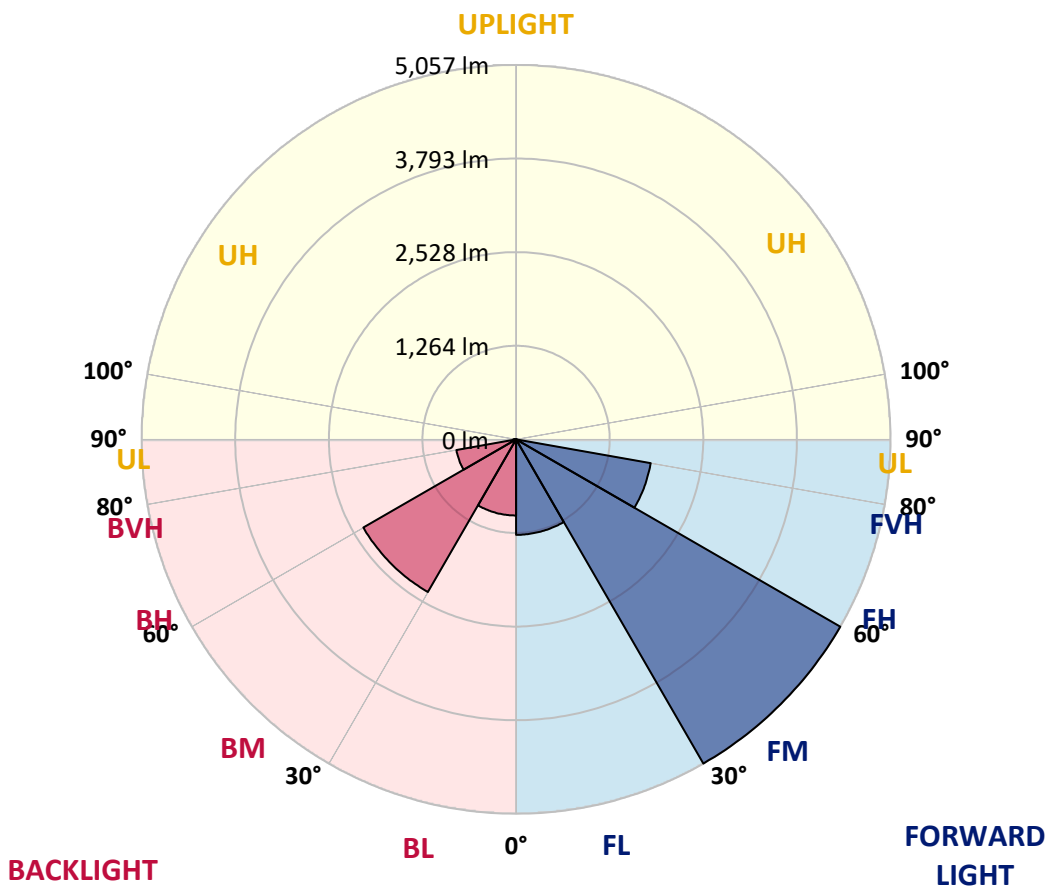
CATALOG NUMBER: GWS-SA3D-730-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1289.5	10.3			
FM (30°-60°)	5056.9	40.5			
FH (60°-80°)	1846.6	14.8			G2/5000
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	1028.6	8.2	B3/2500		
BM (30°-60°)	2381.4	19.1	B2/2500		
BH (60°-80°)	818.6	6.6	B2/1000		G2/1000
BVH (80°-90°)	38.5	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°	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8
2.5°	2661.7	2655.9	2650.2	2605.4	2593.9	2561.7	2538.8	2510.0	2468.7	2445.7	2426.2
5°	2828.3	2819.1	2788.0	2696.1	2636.4	2570.9	2516.9	2457.2	2394.0	2352.7	2320.5
7.5°	2985.6	2983.3	2930.5	2778.9	2682.4	2588.2	2514.6	2427.3	2336.6	2274.6	2233.2
10°	3131.5	3114.3	3051.1	2853.5	2727.2	2619.2	2539.9	2443.4	2337.7	2253.9	2198.7
12.5°	3260.2	3238.4	3151.1	2922.5	2766.2	2633.0	2546.8	2467.5	2397.5	2327.4	2264.2
15°	3365.9	3339.5	3251.0	2986.8	2800.7	2624.9	2504.3	2442.3	2466.4	2497.4	2427.3
17.5°	3464.7	3437.1	3329.1	3033.9	2811.0	2575.5	2399.8	2373.3	2495.1	2636.4	2604.2
20°	3547.4	3516.4	3391.2	3056.9	2792.6	2481.3	2264.2	2310.2	2471.0	2639.9	2691.6
22.5°	3637.0	3611.7	3461.2	3090.2	2769.7	2351.5	2150.5	2263.1	2429.6	2577.8	2655.9
25°	3780.6	3749.6	3570.4	3148.8	2758.2	2229.8	2068.9	2217.1	2372.2	2506.6	2567.5
27.5°	3988.5	3931.1	3719.7	3251.0	2770.8	2114.9	2017.2	2160.8	2305.6	2420.4	2469.8
30°	4214.8	4145.9	3885.1	3356.7	2789.2	2044.8	1989.7	2096.5	2203.3	2318.2	2372.2
32.5°	4482.5	4421.6	4062.0	3436.0	2750.1	2012.6	1969.0	2026.4	2111.4	2203.3	2248.1
35°	4801.8	4692.7	4255.0	3500.3	2623.8	1965.5	1950.6	1949.5	1994.3	2083.9	2134.4
37.5°	5145.3	5028.1	4492.8	3569.2	2427.3	1890.9	1906.9	1858.7	1900.1	1971.3	2028.7
40°	5426.8	5303.8	4732.9	3663.4	2181.5	1773.7	1810.5	1758.8	1784.0	1857.6	1921.9
42.5°	5702.5	5571.5	4956.9	3770.2	1943.7	1658.8	1677.2	1657.7	1665.7	1742.7	1832.3
45°	6064.3	5917.3	5232.6	3846.1	1730.0	1568.1	1550.8	1517.5	1560.0	1660.0	1755.3
47.5°	6668.6	6492.8	5684.1	3895.5	1575.0	1516.4	1437.1	1417.6	1470.4	1581.8	1680.6
50°	7375.1	7223.4	6405.5	3893.2	1458.9	1472.7	1326.8	1309.6	1396.9	1509.5	1614.0
52.5°	7954.0	7800.1	7022.4	3778.3	1363.6	1379.7	1262.5	1214.2	1333.7	1438.3	1542.8
55°	8421.6	8248.1	7306.1	3298.1	1243.0	1231.5	1192.4	1104.0	1254.4	1367.0	1464.7
57.5°	8170.0	7963.2	6962.7	2507.8	1118.9	1046.5	1071.8	1006.3	1146.5	1287.8	1382.0
60°	6850.1	6664.0	5656.5	1334.9	984.5	874.2	927.1	937.4	1028.1	1192.4	1288.9
62.5°	4705.3	4569.8	3833.4	809.9	776.6	701.9	784.6	859.3	927.1	1066.1	1149.9
65°	2302.1	2261.9	1917.3	519.2	543.4	567.5	650.2	741.0	840.9	962.7	1051.1
67.5°	634.1	638.7	581.3	405.5	428.5	495.1	560.6	633.0	732.9	845.5	935.1
70°	279.1	283.7	292.9	312.5	356.1	417.0	484.8	559.4	651.3	745.5	831.7
72.5°	194.1	198.7	212.5	237.8	276.9	334.3	398.6	469.8	565.2	644.5	715.7
75°	119.5	122.9	135.6	157.4	183.8	227.5	290.6	356.1	440.0	512.3	575.5
77.5°	63.2	60.9	68.9	83.9	106.8	129.8	172.3	213.7	273.4	332.0	384.8
80°	34.5	33.3	37.9	46.0	52.8	71.2	99.9	127.5	162.0	195.3	224.0
82.5°	14.9	13.8	14.9	19.5	24.1	34.5	50.5	70.1	89.6	112.6	131.0
85°	0.0	0.0	0.0	1.1	5.7	9.2	17.2	25.3	36.8	50.5	62.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	10.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8
2.5°	2414.7	2386.0	2383.7	2360.7	2363.0	2364.2	2341.2	2332.0	2340.0	2349.2	2344.6
5°	2309.0	2279.1	2266.5	2244.7	2242.4	2232.0	2222.9	2211.4	2219.4	2227.5	2232.0
7.5°	2217.1	2197.6	2189.5	2183.8	2186.1	2181.5	2163.1	2152.8	2151.6	2155.1	2159.7
10°	2187.2	2171.2	2181.5	2197.6	2209.1	2217.1	2197.6	2180.4	2164.3	2157.4	2157.4
12.5°	2251.6	2230.9	2251.6	2268.8	2291.8	2297.5	2275.7	2257.3	2251.6	2258.5	2272.3
15°	2394.0	2345.8	2344.6	2355.0	2373.3	2382.5	2361.9	2352.7	2352.7	2396.3	2430.8
17.5°	2536.5	2457.2	2423.9	2418.1	2429.6	2433.1	2415.9	2407.8	2428.5	2513.5	2577.8
20°	2636.4	2539.9	2467.5	2453.8	2457.2	2458.4	2444.6	2438.8	2468.7	2572.1	2626.1
22.5°	2626.1	2554.9	2466.4	2449.2	2454.9	2452.6	2440.0	2437.7	2461.8	2551.4	2576.7
25°	2554.9	2499.7	2425.0	2413.6	2422.7	2421.6	2409.0	2403.2	2413.6	2473.3	2475.6
27.5°	2473.3	2425.0	2360.7	2357.3	2372.2	2380.2	2358.4	2341.2	2337.7	2377.9	2368.8
30°	2375.6	2340.0	2288.3	2290.6	2318.2	2322.8	2296.4	2271.1	2264.2	2286.0	2273.4
32.5°	2259.6	2248.1	2220.6	2226.3	2252.7	2261.9	2234.3	2207.9	2199.9	2206.8	2180.4
35°	2160.8	2156.2	2158.5	2168.9	2191.8	2198.7	2175.8	2155.1	2143.6	2119.5	2085.0
37.5°	2058.6	2071.2	2104.5	2124.1	2136.7	2134.4	2121.8	2106.8	2088.5	2043.7	2001.1
40°	1963.2	1995.4	2055.1	2077.0	2081.6	2082.7	2073.5	2060.9	2037.9	1978.2	1929.9
42.5°	1889.7	1925.3	2004.6	2037.9	2040.2	2042.5	2033.3	2023.0	1990.8	1911.5	1864.4
45°	1812.7	1859.8	1952.9	1993.1	1990.8	1989.7	1981.6	1977.0	1939.1	1847.2	1795.5
47.5°	1747.3	1802.4	1902.4	1936.8	1935.7	1934.5	1928.8	1928.8	1890.9	1790.9	1732.3
50°	1682.9	1746.1	1850.7	1879.4	1881.7	1879.4	1877.1	1880.5	1835.7	1728.9	1671.5
52.5°	1612.9	1684.1	1793.2	1819.6	1833.4	1839.2	1839.2	1831.1	1778.3	1666.9	1603.7
55°	1535.9	1603.7	1730.0	1765.6	1777.1	1787.5	1787.5	1771.4	1722.0	1609.4	1541.6
57.5°	1440.5	1500.3	1600.2	1635.8	1663.4	1670.3	1670.3	1643.9	1603.7	1495.7	1440.5
60°	1337.2	1388.9	1456.6	1494.5	1515.2	1501.4	1511.8	1504.9	1472.7	1372.8	1326.8
62.5°	1199.3	1252.2	1326.8	1365.9	1375.1	1361.3	1375.1	1373.9	1330.3	1240.7	1185.5
65°	1100.5	1152.2	1225.7	1276.3	1291.2	1287.8	1297.0	1283.2	1229.2	1144.2	1091.3
67.5°	983.3	1038.5	1123.5	1179.8	1210.8	1214.2	1226.9	1198.2	1143.0	1050.0	983.3
70°	871.9	919.0	984.5	1037.3	1081.0	1102.8	1105.1	1063.8	994.8	917.9	869.6
72.5°	754.7	803.0	882.3	939.7	994.8	1020.1	1020.1	969.6	894.9	809.9	758.2
75°	612.3	657.1	729.5	791.5	854.7	886.8	885.7	842.0	759.3	678.9	624.9
77.5°	414.7	448.0	494.0	541.1	550.3	575.5	588.2	533.0	487.1	443.4	395.2
80°	241.2	261.9	287.2	313.6	319.4	327.4	306.7	286.0	261.9	233.2	211.4
82.5°	141.3	155.1	167.7	188.4	191.8	194.1	175.8	166.6	147.0	129.8	116.0
85°	68.9	73.5	85.0	95.3	90.8	88.5	80.4	71.2	63.2	56.3	49.4
87.5°	13.8	13.8	20.7	19.5	16.1	13.8	8.0	10.3	2.3	2.3	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8
2.5°	2359.6	2379.1	2403.2	2435.4	2472.1	2511.2	2549.1	2577.8	2606.5	2649.0	2642.2
5°	2238.9	2272.3	2310.2	2359.6	2419.3	2487.1	2562.9	2638.7	2720.3	2789.2	2819.1
7.5°	2168.9	2205.6	2250.4	2314.8	2391.7	2474.4	2581.3	2704.2	2836.3	2927.0	2983.3
10°	2168.9	2216.0	2274.6	2336.6	2404.4	2489.4	2621.5	2775.4	2945.4	3064.9	3130.4
12.5°	2294.1	2341.2	2353.8	2351.5	2389.4	2483.6	2653.6	2850.1	3053.4	3179.8	3260.2
15°	2489.4	2505.5	2410.1	2322.8	2328.5	2442.3	2668.6	2909.8	3146.5	3298.1	3385.4
17.5°	2620.3	2577.8	2407.8	2255.0	2222.9	2372.2	2668.6	2967.3	3245.3	3416.4	3498.0
20°	2630.7	2525.0	2349.2	2189.5	2106.8	2279.1	2650.2	3010.9	3340.6	3530.2	3617.5
22.5°	2539.9	2435.4	2287.2	2133.3	2011.5	2166.6	2620.3	3044.2	3422.2	3637.0	3745.0
25°	2436.5	2349.2	2224.0	2075.8	1946.0	2052.8	2592.8	3100.5	3535.9	3781.7	3890.9
27.5°	2335.4	2261.9	2148.2	2027.6	1909.2	1954.0	2575.5	3183.2	3671.4	3987.4	4081.6
30°	2236.6	2170.0	2066.6	1981.6	1889.7	1889.7	2560.6	3278.6	3850.7	4218.3	4312.5
32.5°	2136.7	2073.5	1989.7	1936.8	1878.2	1864.4	2519.2	3368.2	4035.6	4471.0	4567.5
35°	2043.7	1980.5	1916.1	1894.3	1872.5	1844.9	2417.0	3438.2	4216.0	4766.2	4848.9
37.5°	1956.3	1895.5	1847.2	1841.5	1843.8	1792.1	2256.2	3496.8	4441.1	5068.3	5112.0
40°	1880.5	1812.7	1774.8	1773.7	1785.2	1707.1	2052.8	3580.7	4698.4	5324.5	5306.1
42.5°	1812.7	1741.5	1695.6	1705.9	1699.0	1622.1	1854.1	3657.7	4922.5	5564.6	5527.9
45°	1746.1	1677.2	1612.9	1627.8	1619.8	1569.2	1685.2	3714.0	5170.6	5853.0	5857.5
47.5°	1681.8	1614.0	1549.7	1531.3	1530.2	1553.1	1555.4	3732.3	5575.0	6317.1	6212.5
50°	1622.1	1554.3	1487.6	1425.6	1449.7	1521.0	1458.9	3718.5	6180.3	6829.4	6537.6
52.5°	1560.0	1495.7	1422.2	1310.7	1373.9	1444.0	1372.8	3669.2	6550.3	7282.0	7107.4
55°	1488.8	1427.9	1328.0	1192.4	1269.4	1284.3	1284.3	3191.3	6707.6	7730.0	7838.0
57.5°	1393.5	1313.0	1154.5	1045.4	1114.3	1056.9	1190.1	2233.2	6448.0	7588.7	8008.0
60°	1285.5	1199.3	1031.6	953.5	974.2	873.1	1014.4	1400.3	5344.0	6457.2	7183.2
62.5°	1143.0	1063.8	924.8	863.9	821.4	712.2	816.8	885.7	3663.4	4794.9	5290.1
65°	1047.7	960.4	836.3	755.9	668.6	573.2	542.2	581.3	1970.1	2683.5	3017.8
67.5°	935.1	848.9	731.8	630.7	560.6	491.7	437.7	423.9	675.5	893.7	967.3
70°	828.3	745.5	647.9	553.7	483.6	415.9	363.0	325.1	312.5	310.2	305.6
72.5°	719.1	642.2	560.6	473.3	396.3	334.3	287.2	243.5	225.2	219.4	213.7
75°	589.3	528.4	446.9	352.7	290.6	233.2	196.4	167.7	151.6	145.9	139.0
77.5°	379.1	351.5	280.3	227.5	175.8	139.0	119.5	101.1	90.8	88.5	82.7
80°	202.2	188.4	155.1	131.0	104.5	85.0	74.7	64.3	58.6	56.3	54.0
82.5°	112.6	102.2	86.2	75.8	60.9	51.7	46.0	41.4	37.9	36.8	35.6
85°	50.5	43.7	34.5	32.2	28.7	26.4	25.3	23.0	21.8	20.7	19.5
87.5°	2.3	4.6	5.7	4.6	4.6	6.9	8.0	8.0	6.9	6.9	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P635180

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8	2515.8
2.5°	2684.7	2719.1	2722.6	2734.1	2719.1	2715.7	2691.6	2677.8	2665.1	2661.7
5°	2893.7	2962.7	2990.2	3009.8	2991.4	2982.2	2929.3	2874.2	2843.2	2828.3
7.5°	3108.6	3211.9	3265.9	3290.1	3292.4	3251.0	3160.2	3056.9	3005.2	2985.6
10°	3300.4	3427.9	3499.1	3545.1	3529.0	3478.5	3354.4	3214.2	3148.8	3131.5
12.5°	3442.8	3564.6	3619.8	3649.6	3648.5	3620.9	3503.7	3352.1	3277.4	3260.2
15°	3534.7	3607.1	3610.6	3617.5	3637.0	3673.7	3612.9	3472.7	3390.0	3365.9
17.5°	3607.1	3578.4	3524.4	3506.0	3549.7	3651.9	3688.7	3575.0	3485.3	3464.7
20°	3653.1	3508.3	3413.0	3377.4	3427.9	3594.5	3734.6	3666.9	3573.8	3547.4
22.5°	3688.7	3442.8	3288.9	3264.8	3317.6	3532.4	3781.7	3776.0	3673.7	3637.0
25°	3745.0	3399.2	3201.6	3184.4	3233.8	3502.6	3844.9	3924.2	3833.4	3780.6
27.5°	3833.4	3394.6	3156.8	3151.1	3218.8	3529.0	3935.7	4141.3	4027.6	3988.5
30°	3956.3	3438.2	3167.1	3178.6	3261.3	3624.3	4077.0	4389.4	4275.7	4214.8
32.5°	4133.3	3555.4	3324.5	3373.9	3434.8	3777.1	4283.7	4658.2	4572.1	4482.5
35°	4366.5	3877.1	3789.8	4000.0	3942.6	4111.4	4533.0	4984.5	4879.9	4801.8
37.5°	4677.8	4536.5	4616.9	4906.4	4767.4	4743.2	4837.4	5280.9	5223.4	5145.3
40°	5114.3	5143.0	5291.2	5671.4	5470.4	5315.3	5210.8	5503.7	5523.3	5426.8
42.5°	5403.8	5535.9	5893.2	6325.1	6048.2	5677.2	5523.3	5788.6	5789.8	5702.5
45°	5511.8	5857.5	6604.2	7101.7	6638.7	5884.0	5695.6	6175.8	6164.3	6064.3
47.5°	5472.7	6128.7	7342.9	8103.4	7396.9	6031.0	5671.4	6727.2	6820.2	6668.6
50°	5391.1	6400.9	8205.6	9330.3	8327.4	6187.2	5634.7	7338.3	7492.2	7375.1
52.5°	5473.9	6704.2	9225.7	10598.5	9494.5	6436.5	5882.8	8122.9	8095.3	7954.0
55°	5735.8	7062.6	10465.2	12191.8	10776.6	6858.1	6520.4	8870.8	8590.5	8421.6
57.5°	5723.1	7318.8	11552.0	13452.0	11892.0	7203.9	6742.1	8950.0	8383.7	8170.0
60°	5194.7	7201.6	11965.5	14249.3	12228.6	7013.2	6012.6	7994.2	7074.1	6850.1
62.5°	3877.1	6390.6	11163.7	13251.0	11276.3	6057.4	4521.5	5738.1	5083.3	4705.3
65°	2480.2	4999.4	9385.4	10735.2	9294.6	4633.0	2692.7	3076.4	2410.1	2302.1
67.5°	1055.7	3529.0	7295.8	7175.2	6953.5	3001.7	1039.6	866.2	645.6	634.1
70°	349.2	2400.9	4497.4	4785.7	4152.8	2067.8	343.5	290.6	289.5	279.1
72.5°	228.6	1288.9	2531.9	2819.1	2672.0	1190.1	207.9	194.1	198.7	194.1
75°	136.7	280.3	426.2	553.7	426.2	199.9	125.2	122.9	125.2	119.5
77.5°	80.4	78.1	75.8	75.8	74.7	68.9	63.2	60.9	62.0	63.2
80°	51.7	49.4	47.1	46.0	40.2	37.9	35.6	33.3	33.3	34.5
82.5°	33.3	31.0	28.7	25.3	20.7	17.2	16.1	13.8	13.8	14.9
85°	17.2	13.8	10.3	8.0	4.6	2.3	0.0	0.0	0.0	0.0
87.5°	3.4	0.0	0.0	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

(END OF REPORT)