

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: P640132

Luminaire Tested: GWS-SA5D-730-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640132
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-SA5D-730-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25638.8 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

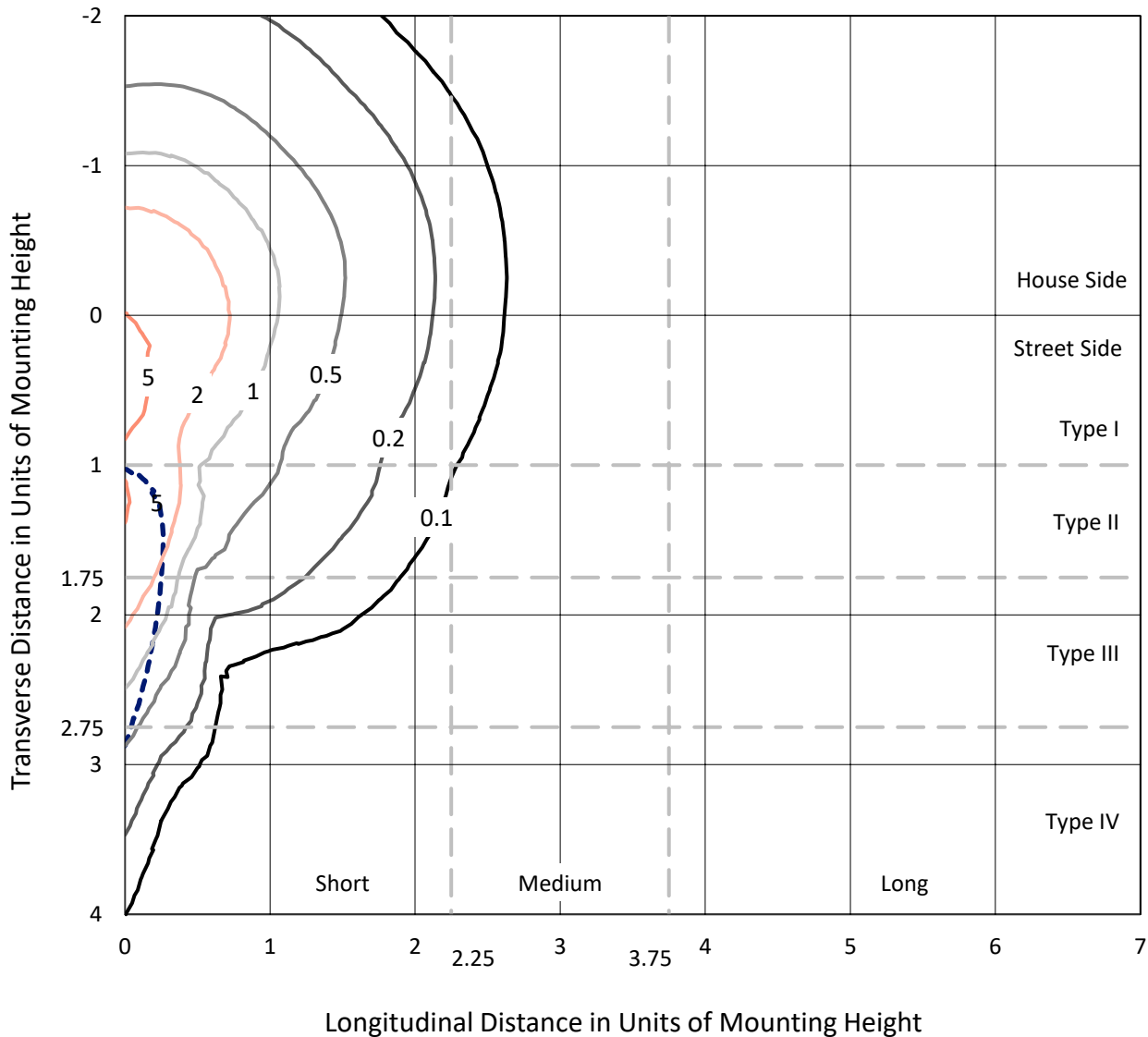
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640132
 CATALOG NUMBER: GWS-SA5D-730-U-SLL-W

Iso-Footcandle Lines of Horizontal Illumination

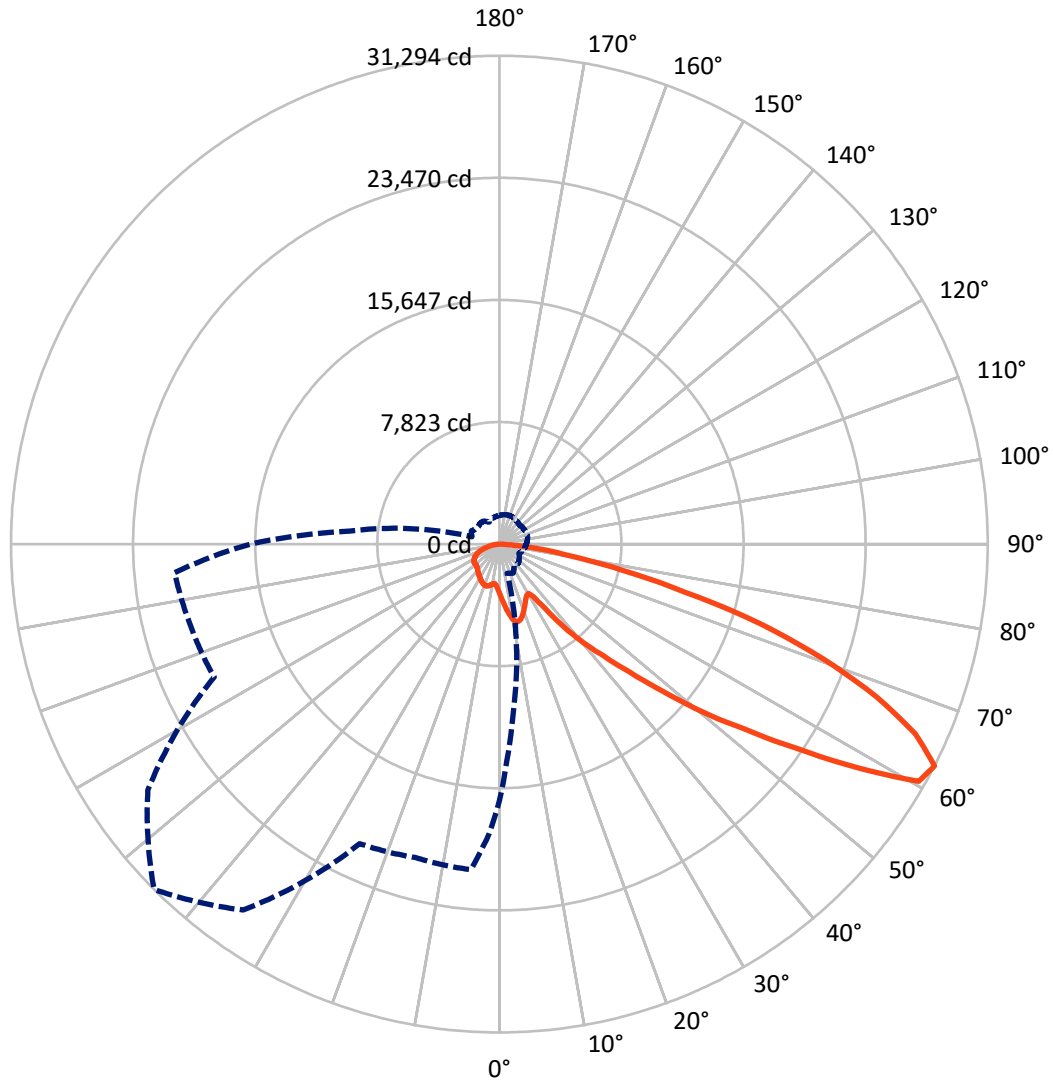
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

REPORT NUMBER: P640132
CATALOG NUMBER: GWS-SA5D-730-U-SLL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P640132

CATALOG NUMBER: GWS-SA5D-730-U-SLL-W

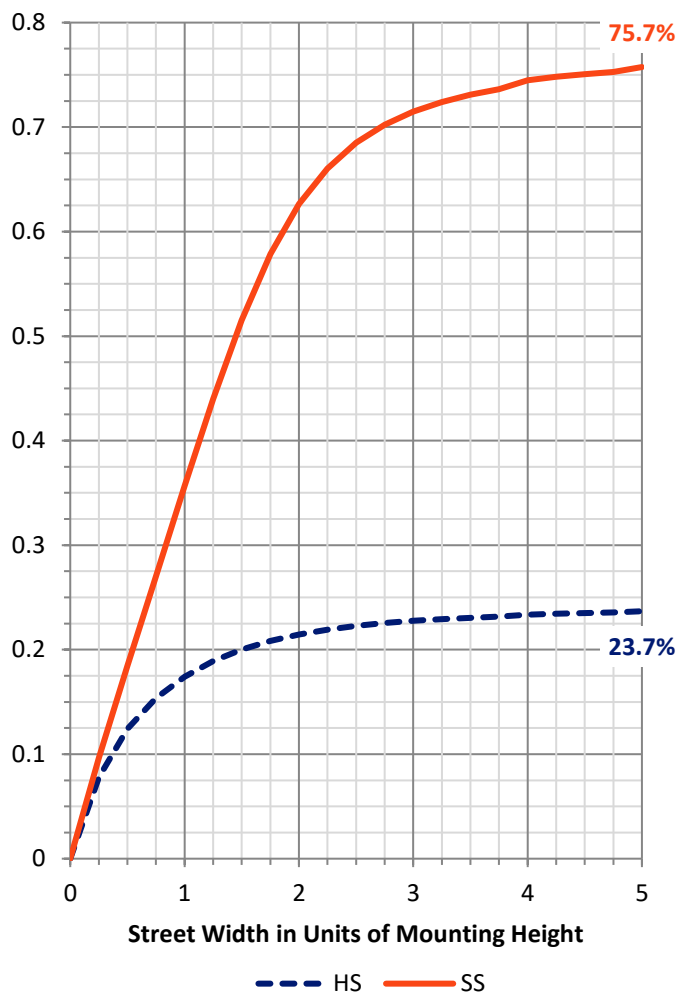
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6130.3	0.0	6130.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	19508.5	0.0	19508.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	25638.8	0.0	25638.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.9	1.2
10°-20°	1023.5	4.0
20°-30°	1611.2	6.3
30°-40°	2208.4	8.6
40°-50°	3445.8	13.4
50°-60°	5941.3	23.2
60°-70°	6885.2	26.9
70°-80°	3634.3	14.2
80°-90°	574.1	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°	25638.8	100.0
0°-180°	25638.8	100.0

Coefficient of Utilization



REPORT NUMBER: P640132

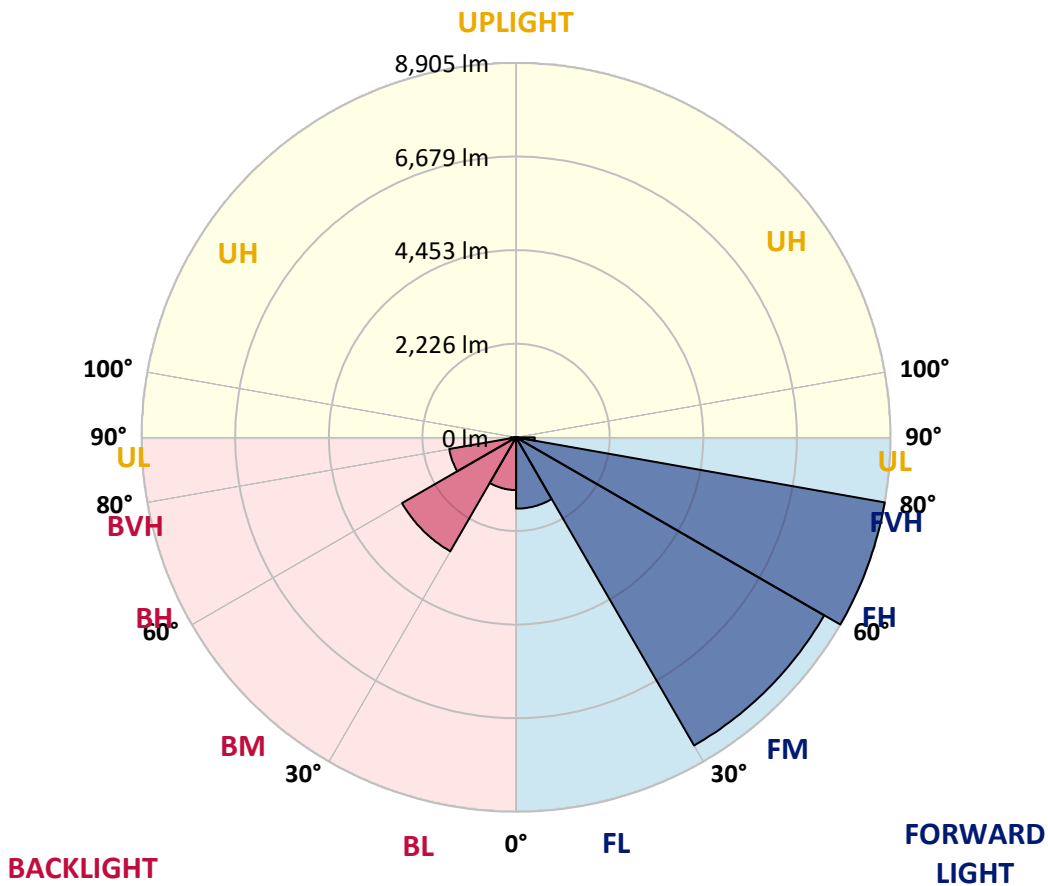
CATALOG NUMBER: GWS-SA5D-730-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1695.7	6.6			
FM (30°-60°)	8464.3	33.0			
FH (60°-80°)	8905.4	34.7			G4/12000
FVH (80°-90°)	443.1	1.7			G3/500
BL (0°-30°)	1253.9	4.9	B3/2500		
BM (30°-60°)	3131.3	12.2	B3/5000		
BH (60°-80°)	1614.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	131.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





REPORT NUMBER: P640132

CATALOG NUMBER: GWS-SA5D-730-U-SLL-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6
2.5°	3473.1	3459.4	3439.8	3373.1	3331.9	3284.9	3235.8	3179.0	3114.3	3069.2	3024.0
5°	3767.3	3745.7	3698.7	3539.8	3430.0	3310.4	3210.4	3096.6	2984.8	2908.3	2831.9
7.5°	4049.7	4022.3	3949.7	3706.5	3528.1	3355.5	3204.5	3039.7	2873.0	2759.3	2669.1
10°	4332.1	4275.2	4183.1	3865.4	3630.0	3430.0	3257.4	3055.4	2833.8	2678.9	2582.8
12.5°	4547.8	4494.9	4394.9	4010.5	3732.0	3481.0	3286.8	3100.5	2912.3	2747.5	2649.5
15°	4749.8	4681.2	4567.5	4145.8	3816.3	3479.0	3228.0	3065.2	3037.8	2996.6	2869.1
17.5°	4895.0	4832.2	4714.5	4255.6	3863.4	3418.2	3065.2	2969.1	3092.7	3218.2	3096.6
20°	5022.4	4949.9	4830.2	4332.1	3873.2	3282.9	2867.2	2869.1	3063.3	3235.8	3206.4
22.5°	5130.3	5049.9	4944.0	4418.4	3869.3	3094.6	2694.6	2812.2	3006.4	3141.7	3145.6
25°	5263.6	5197.0	5108.7	4545.9	3869.3	2902.5	2569.1	2743.6	2910.3	3024.0	3020.1
27.5°	5426.4	5381.3	5308.8	4740.0	3904.6	2741.6	2498.5	2655.4	2786.8	2884.8	2882.8
30°	5608.8	5567.6	5512.7	4945.9	3965.4	2622.0	2459.2	2545.5	2641.6	2720.1	2720.1
32.5°	5795.1	5779.4	5720.6	5110.7	3918.3	2584.8	2425.9	2435.7	2486.7	2551.4	2545.5
35°	6054.0	6038.3	5963.8	5238.2	3714.4	2531.8	2373.0	2323.9	2329.8	2371.0	2384.7
37.5°	6432.5	6408.9	6299.1	5387.2	3406.5	2398.5	2286.7	2206.3	2188.6	2206.3	2231.8
40°	6889.4	6854.1	6705.1	5589.2	3051.5	2218.0	2151.3	2084.7	2055.3	2061.1	2090.6
42.5°	7462.1	7387.5	7173.8	5803.0	2700.5	2059.2	2000.3	1959.2	1925.8	1921.9	1978.8
45°	8391.6	8187.7	7848.4	5993.2	2404.3	1974.8	1865.0	1835.6	1808.2	1823.8	1890.5
47.5°	10015.4	9638.9	8978.0	6156.0	2223.9	1976.8	1757.2	1725.8	1723.8	1755.2	1829.7
50°	12247.2	11704.0	10684.2	6265.8	2129.8	2000.3	1692.4	1641.5	1678.7	1710.1	1780.7
52.5°	14384.8	13555.3	12341.3	6263.8	2088.6	2004.3	1710.1	1563.0	1678.7	1686.6	1753.2
55°	16210.6	14708.4	12788.5	5620.6	2029.8	1988.6	1778.7	1502.2	1657.1	1686.6	1739.5
57.5°	17661.9	15441.9	12755.1	4540.0	2208.2	1902.3	1819.9	1488.5	1594.4	1690.5	1751.3
60°	17501.0	15106.5	11933.4	2786.8	2190.6	1749.3	1814.0	1514.0	1488.5	1637.5	1737.6
62.5°	16432.2	13904.3	10519.5	1933.7	2057.2	1661.1	1717.9	1559.1	1390.4	1561.1	1670.9
65°	14935.9	12353.1	8766.2	1482.6	1704.2	1665.0	1555.2	1527.7	1304.1	1439.5	1557.1
67.5°	12957.1	10429.2	6920.8	1174.7	1188.4	1441.4	1412.0	1357.1	1223.7	1331.6	1437.5
70°	9740.9	7611.1	4761.6	945.3	900.2	1204.1	1268.8	1219.8	1145.3	1176.7	1288.5
72.5°	6863.9	4969.5	2608.3	749.1	694.2	925.6	1102.2	1094.3	1011.9	1035.5	1145.3
75°	5100.9	3516.3	1629.7	592.3	564.8	662.9	923.7	947.2	878.6	906.0	990.4
77.5°	3394.7	2276.9	906.0	439.3	439.3	484.4	688.4	798.2	747.2	768.8	827.6
80°	1872.9	1159.0	453.0	288.3	296.1	333.4	502.0	574.6	576.6	629.5	645.2
82.5°	592.3	368.7	202.0	168.7	158.9	190.2	323.6	411.8	384.4	490.3	451.1
85°	135.3	86.3	37.3	37.3	41.2	62.8	123.6	219.6	280.4	337.3	245.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	86.3	127.5	113.7
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: P640132

CATALOG NUMBER: GWS-SA5D-730-U-SLL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6
2.5°	2996.6	2957.4	2945.6	2912.3	2908.3	2877.0	2865.2	2865.2	2878.9	2878.9	2892.7
5°	2800.5	2751.5	2724.0	2684.8	2675.0	2651.4	2635.7	2637.7	2655.4	2667.1	2690.7
7.5°	2627.9	2594.6	2575.0	2557.3	2553.4	2549.5	2531.8	2529.8	2535.7	2553.4	2571.0
10°	2555.3	2531.8	2537.7	2551.4	2573.0	2584.8	2569.1	2561.2	2555.3	2567.1	2582.8
12.5°	2625.9	2602.4	2614.2	2637.7	2667.1	2678.9	2673.0	2671.0	2676.9	2722.0	2755.4
15°	2780.9	2735.8	2720.1	2729.9	2753.4	2765.2	2759.3	2767.1	2804.4	2922.1	3006.4
17.5°	2973.1	2863.2	2800.5	2782.8	2792.6	2802.4	2802.4	2822.1	2886.8	3059.3	3165.2
20°	3077.0	2933.8	2827.9	2784.8	2788.7	2798.5	2798.5	2826.0	2898.5	3082.9	3151.5
22.5°	3049.5	2918.1	2788.7	2741.6	2743.6	2751.5	2751.5	2775.0	2839.7	3002.5	3033.9
25°	2941.7	2826.0	2698.5	2657.3	2661.2	2675.0	2671.0	2684.8	2733.8	2867.2	2884.8
27.5°	2812.2	2710.3	2584.8	2553.4	2571.0	2598.5	2575.0	2576.9	2622.0	2733.8	2735.8
30°	2673.0	2588.7	2476.9	2453.4	2486.7	2500.4	2478.9	2478.9	2524.0	2600.4	2598.5
32.5°	2522.0	2469.1	2388.6	2363.2	2400.4	2422.0	2394.5	2398.5	2433.8	2484.7	2465.1
35°	2380.8	2353.3	2316.1	2298.4	2322.0	2341.6	2323.9	2331.8	2365.1	2378.8	2351.4
37.5°	2245.5	2241.6	2245.5	2245.5	2251.4	2257.3	2245.5	2265.1	2294.5	2276.9	2245.5
40°	2127.8	2143.5	2180.8	2171.0	2165.1	2171.0	2163.1	2196.5	2225.9	2194.5	2157.2
42.5°	2029.8	2059.2	2116.0	2116.0	2104.3	2108.2	2104.3	2145.5	2167.0	2123.9	2082.7
45°	1945.4	1988.6	2061.1	2070.9	2051.3	2051.3	2059.2	2110.2	2118.0	2059.2	2016.0
47.5°	1886.6	1939.5	2021.9	2039.6	2010.1	2008.2	2029.8	2084.7	2084.7	2016.0	1967.0
50°	1845.4	1904.2	2002.3	2025.8	1996.4	1988.6	2023.9	2076.8	2065.1	1982.7	1933.7
52.5°	1818.0	1878.8	2000.3	2033.7	2014.1	2006.2	2041.5	2078.8	2049.4	1961.1	1910.1
55°	1800.3	1867.0	2006.2	2033.7	2012.1	1998.4	2033.7	2067.0	2051.3	1949.4	1900.3
57.5°	1810.1	1876.8	1998.4	2012.1	1986.6	1963.1	2004.3	2051.3	2045.4	1953.3	1904.2
60°	1794.4	1855.2	1955.2	1959.2	1916.0	1878.8	1939.5	2010.1	2010.1	1939.5	1896.4
62.5°	1721.9	1782.7	1870.9	1874.8	1825.8	1784.6	1855.2	1939.5	1937.6	1880.7	1835.6
65°	1602.2	1659.1	1759.1	1768.9	1719.9	1676.8	1749.3	1827.8	1833.6	1782.7	1743.4
67.5°	1470.8	1521.8	1596.4	1635.6	1594.4	1549.3	1616.0	1690.5	1688.5	1627.7	1586.5
70°	1314.0	1361.0	1429.7	1463.0	1437.5	1394.4	1455.2	1494.4	1476.7	1447.3	1419.9
72.5°	1159.0	1204.1	1268.8	1268.8	1241.4	1200.2	1217.9	1288.5	1310.0	1288.5	1270.8
75°	996.2	1035.5	1080.6	1090.4	1029.6	955.1	1037.4	1098.2	1123.7	1113.9	1092.3
77.5°	829.6	859.0	925.6	908.0	794.3	755.0	821.7	911.9	929.6	923.7	894.3
80°	639.3	657.0	727.6	692.3	604.0	578.5	607.9	678.5	682.5	662.9	625.6
82.5°	429.5	453.0	500.1	431.4	429.5	406.0	382.4	390.3	425.6	421.6	396.1
85°	219.6	231.4	276.5	258.9	221.6	192.2	182.4	194.2	174.5	158.9	137.3
87.5°	92.2	100.0	137.3	76.5	23.5	0.0	0.0	11.8	17.7	25.5	27.5
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: P640132
 CATALOG NUMBER: GWS-SA5D-730-U-SLL-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6
2.5°	2924.0	2945.6	2998.6	3065.2	3129.9	3196.6	3269.2	3314.3	3369.2	3439.8	3441.8
5°	2720.1	2769.1	2845.6	2947.6	3053.5	3175.1	3316.3	3433.9	3575.1	3686.9	3732.0
7.5°	2594.6	2665.2	2761.3	2890.7	3029.9	3180.9	3365.3	3563.4	3794.8	3943.8	4032.1
10°	2606.3	2714.2	2810.3	2920.1	3045.6	3208.4	3445.7	3708.5	3992.8	4189.0	4298.8
12.5°	2816.2	2929.9	2912.3	2906.4	2990.7	3188.8	3510.4	3855.6	4202.7	4398.8	4530.2
15°	3080.9	3124.1	2957.4	2831.9	2882.8	3118.2	3545.7	3987.0	4377.2	4616.5	4745.9
17.5°	3216.2	3129.9	2928.0	2739.7	2726.0	3010.3	3563.4	4120.3	4573.3	4812.6	4949.9
20°	3153.5	3028.0	2857.4	2678.9	2580.8	2863.2	3553.6	4226.2	4751.8	5018.5	5130.3
22.5°	3018.2	2908.3	2775.0	2604.4	2463.2	2702.4	3528.1	4332.1	4910.6	5179.3	5277.4
25°	2871.1	2788.7	2678.9	2529.8	2396.5	2561.2	3510.4	4473.3	5093.0	5349.9	5412.7
27.5°	2724.0	2663.2	2573.0	2457.3	2380.8	2463.2	3516.3	4657.7	5328.4	5571.5	5546.1
30°	2578.9	2525.9	2463.2	2412.2	2378.8	2439.6	3500.6	4853.8	5587.2	5812.8	5661.8
32.5°	2441.6	2392.6	2353.3	2361.2	2380.8	2449.4	3420.2	5032.2	5824.5	6016.7	5787.3
35°	2323.9	2272.9	2272.9	2300.4	2373.0	2416.1	3212.3	5171.5	6087.3	6279.5	5965.7
37.5°	2214.1	2169.0	2198.4	2243.5	2312.2	2325.9	2945.6	5306.8	6469.7	6650.2	6242.2
40°	2118.0	2072.9	2125.9	2182.7	2218.0	2212.1	2675.0	5495.1	6920.8	7107.1	6609.0
42.5°	2041.5	2000.3	2047.4	2120.0	2125.9	2131.7	2476.9	5675.5	7444.4	7681.7	7240.5
45°	1978.8	1949.4	1972.9	2045.4	2045.4	2135.7	2353.3	5826.5	8232.8	8652.5	8399.5
47.5°	1929.7	1912.1	1923.9	1947.4	1986.6	2206.3	2274.9	5942.2	9668.3	10492.0	10237.1
50°	1902.3	1884.6	1900.3	1851.3	1969.0	2241.6	2249.4	6030.4	11560.8	12851.2	12535.5
52.5°	1878.8	1872.9	1882.7	1768.9	2008.2	2218.0	2229.8	5912.8	12829.7	15173.2	15485.0
55°	1870.9	1874.8	1827.8	1708.1	2055.3	2139.6	2171.0	5071.5	13174.8	17175.5	19111.1
57.5°	1874.8	1863.1	1743.4	1714.0	2057.2	1982.7	2255.3	3618.3	12672.8	18046.2	22658.8
60°	1861.1	1802.3	1641.5	1767.0	1967.0	1798.3	2194.5	2359.2	11349.0	17377.5	22864.7
62.5°	1800.3	1714.0	1553.2	1796.4	1806.2	1688.5	1992.5	1818.0	9584.0	15945.9	20880.1
65°	1712.1	1596.4	1478.7	1735.6	1643.4	1637.5	1498.3	1457.1	7707.2	14241.7	18997.4
67.5°	1566.9	1451.2	1423.8	1596.4	1478.7	1451.2	1204.1	1208.1	6150.1	12425.7	17104.9
70°	1402.2	1286.5	1308.1	1443.4	1315.9	1206.1	974.7	1006.1	4665.5	10352.8	14553.5
72.5°	1294.3	1139.4	1141.4	1270.8	1157.1	976.6	802.1	829.6	2961.3	7803.3	11570.6
75°	1092.3	1004.1	960.9	1029.6	982.5	760.9	674.6	668.7	1755.2	5593.1	8664.2
77.5°	911.9	843.3	821.7	849.2	733.5	562.8	543.2	533.4	994.3	3583.0	5677.4
80°	660.9	643.2	641.3	655.0	564.8	413.8	413.8	415.8	535.4	1945.4	3200.5
82.5°	419.7	458.9	406.0	451.1	384.4	294.2	274.6	311.8	307.9	829.6	1349.3
85°	174.5	239.3	223.6	237.3	182.4	160.8	172.6	186.3	178.5	319.7	525.6
87.5°	33.3	39.2	43.1	41.2	41.2	51.0	56.9	68.6	68.6	92.2	158.9
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: P640132

CATALOG NUMBER: GWS-SA5D-730-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6
2.5°	3516.3	3573.2	3561.4	3586.9	3553.6	3565.3	3498.6	3481.0	3469.2	3473.1
5°	3877.1	3992.8	4014.4	4057.6	4028.1	4028.1	3910.5	3822.2	3790.8	3767.3
7.5°	4243.9	4410.6	4520.4	4532.2	4516.5	4485.1	4314.5	4155.6	4098.7	4049.7
10°	4569.4	4769.4	4893.0	4951.8	4922.4	4873.4	4661.6	4443.9	4375.3	4332.1
12.5°	4818.5	4995.0	5077.3	5116.6	5112.6	5095.0	4922.4	4687.1	4614.5	4547.8
15°	4979.3	5067.5	5036.2	5034.2	5061.7	5132.3	5079.3	4895.0	4810.6	4749.8
17.5°	5083.2	4998.9	4859.7	4794.9	4853.8	5020.5	5142.1	5038.1	4961.6	4895.0
20°	5120.5	4820.4	4618.4	4498.8	4567.5	4808.7	5108.7	5142.1	5077.3	5022.4
22.5°	5077.3	4602.8	4328.2	4187.0	4253.7	4542.0	5010.7	5226.4	5183.2	5130.3
25°	4971.4	4375.3	4045.8	3918.3	3990.9	4285.0	4836.1	5304.8	5306.8	5263.6
27.5°	4840.0	4165.4	3847.7	3728.1	3798.7	4073.2	4665.5	5373.5	5442.1	5426.4
30°	4706.7	4039.9	3753.6	3669.3	3722.2	3965.4	4491.0	5444.1	5581.4	5608.8
32.5°	4645.9	4100.7	3975.2	4012.5	3943.8	4028.1	4428.2	5544.1	5750.0	5795.1
35°	4726.3	4640.0	4957.7	5104.8	4861.6	4542.0	4508.6	5695.1	5987.3	6054.0
37.5°	5116.6	5795.1	6269.7	6787.4	6365.8	5661.8	4906.7	5952.0	6326.6	6432.5
40°	5965.7	6803.1	7660.1	8328.9	7691.5	6744.3	5663.7	6334.4	6793.3	6889.4
42.5°	6765.9	7748.4	8929.0	9793.8	8966.2	7628.8	6479.5	6977.7	7409.1	7462.1
45°	7550.3	8676.0	10464.5	11666.7	10543.0	8470.1	7313.0	8064.1	8389.7	8391.6
47.5°	8470.1	9721.3	12390.4	14102.4	12635.5	9401.6	8095.5	9784.0	10237.1	10015.4
50°	9570.3	10760.7	14373.1	16936.2	15186.9	10546.9	9089.8	11880.5	12498.2	12247.2
52.5°	11043.1	11906.0	16557.7	19699.5	17967.8	11851.1	10531.2	14649.6	14853.5	14384.8
55°	13116.0	13559.2	19362.1	23111.8	21072.2	13457.2	12639.4	18124.7	17554.0	16210.6
57.5°	17836.4	16175.3	22962.8	27004.6	24584.6	16375.4	17259.8	21956.7	19927.0	17661.9
60°	21786.1	19352.3	26294.7	30868.0	27594.9	19591.6	21597.8	22623.5	19838.7	17501.0
62.5°	20454.5	20162.3	27496.9	31293.6	28622.6	21174.2	20791.8	20942.8	18544.4	16432.2
65°	17946.2	18599.3	26424.1	29275.6	27483.2	19756.3	18807.2	19389.6	17063.7	14935.9
67.5°	16465.6	16946.0	24516.0	26045.6	25412.2	18222.7	17263.7	16842.1	14765.3	12957.1
70°	14951.6	15349.7	21837.1	21992.0	22182.2	15673.3	14116.2	12861.0	11005.8	9740.9
72.5°	12919.9	12941.4	18450.2	17552.0	17912.9	12264.9	11362.7	9615.4	8011.2	6863.9
75°	10839.1	10246.9	14604.5	12268.8	12992.4	9540.9	9435.0	7246.3	6042.2	5100.9
77.5°	8264.2	7571.9	10668.5	8068.1	9125.1	6354.0	7093.4	4914.6	4251.7	3394.7
80°	5548.0	5116.6	5895.1	4553.7	5969.7	4379.2	4626.3	2784.8	2414.1	1872.9
82.5°	2926.0	2498.5	3643.8	2700.5	3600.6	2406.3	1735.6	860.9	733.5	592.3
85°	1133.5	1312.0	1786.6	960.9	1396.3	859.0	502.0	213.8	178.5	135.3
87.5°	219.6	339.3	186.3	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)