

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: P642769

Luminaire Tested: GWS-SA6D-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19648.5 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

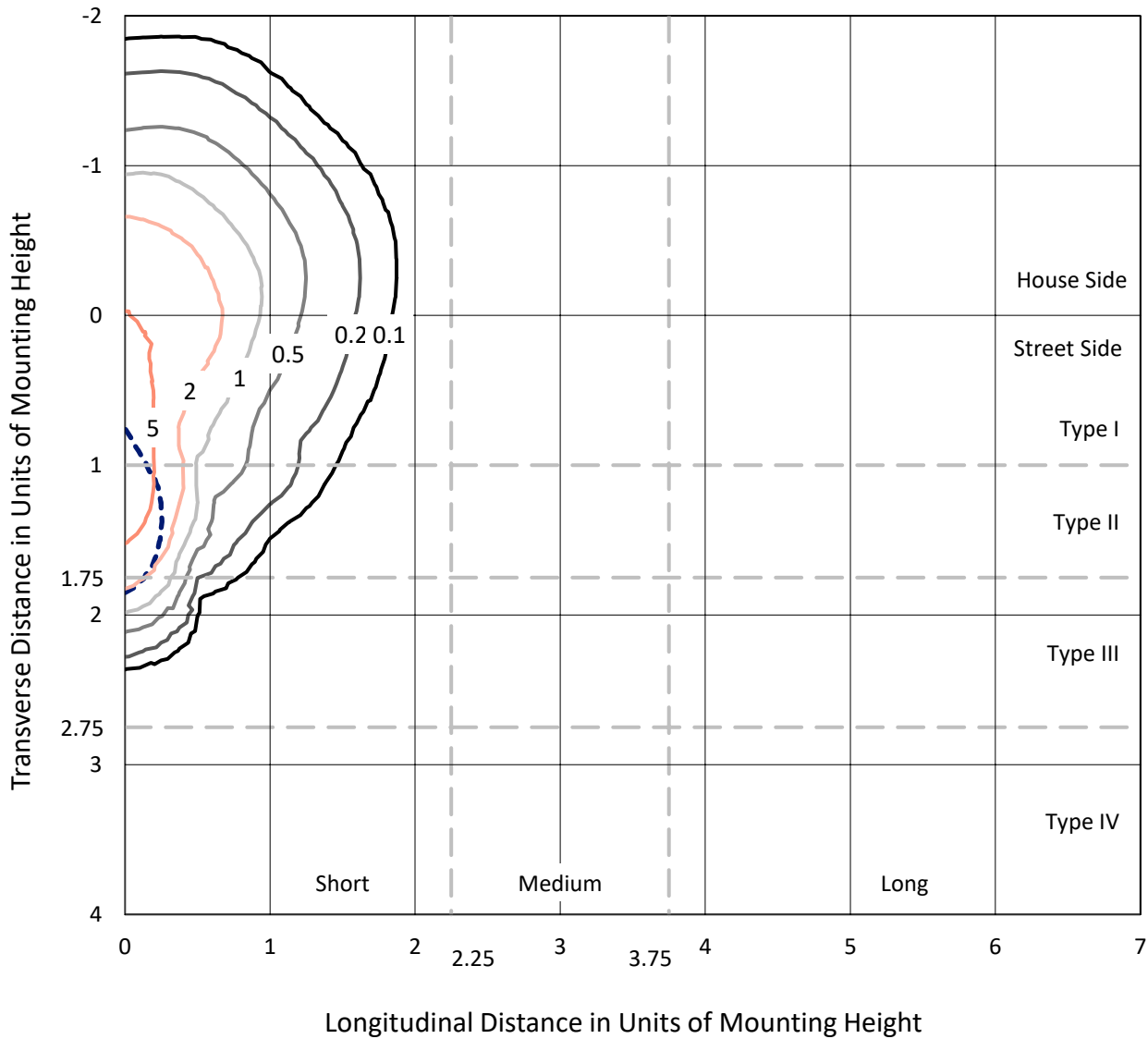
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

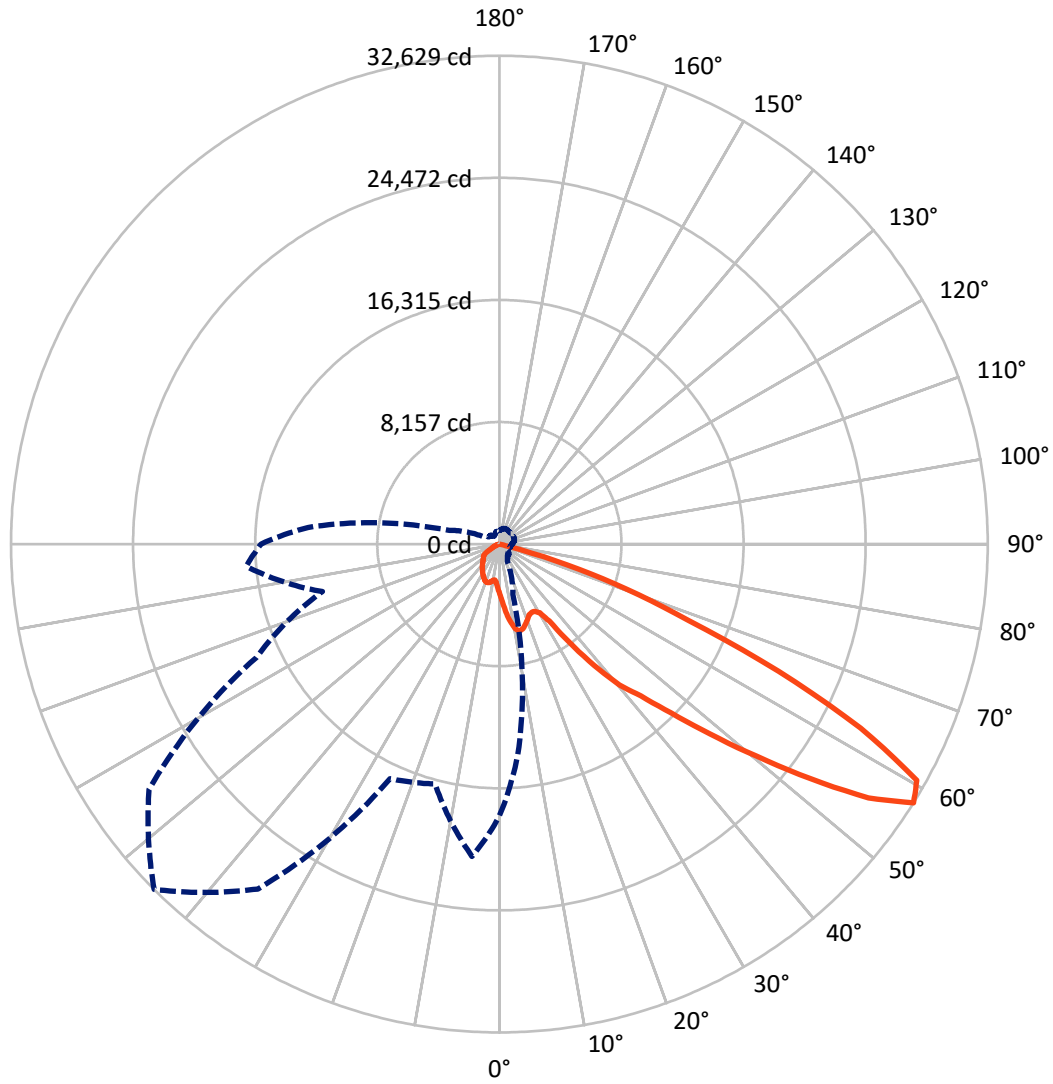
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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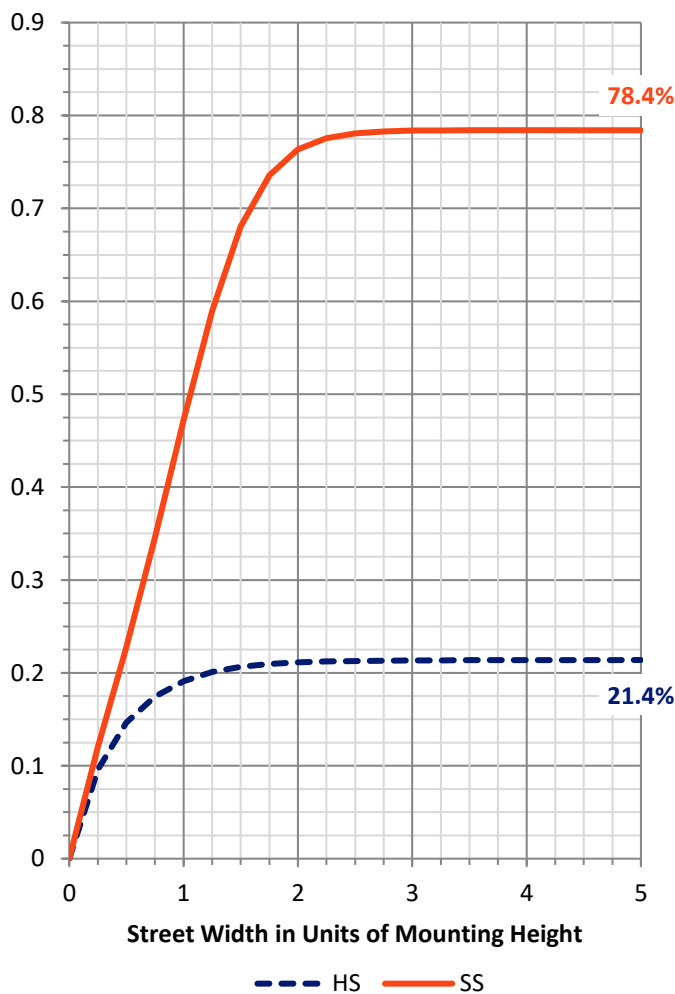
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4232.9	0.0	4232.9
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	15415.6	0.0	15415.6
	% Fixture	78.5	0.0	78.5
Total	Lumens	19648.5	0.0	19648.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.0	1.7
10°-20°	1085.8	5.5
20°-30°	1762.1	9.0
30°-40°	2704.4	13.8
40°-50°	4319.2	22.0
50°-60°	6047.7	30.8
60°-70°	3100.8	15.8
70°-80°	298.5	1.5
80°-90°	0.0	0.0
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°	19648.5	100.0
0°-180°	19648.5	100.0

Coefficient of Utilization



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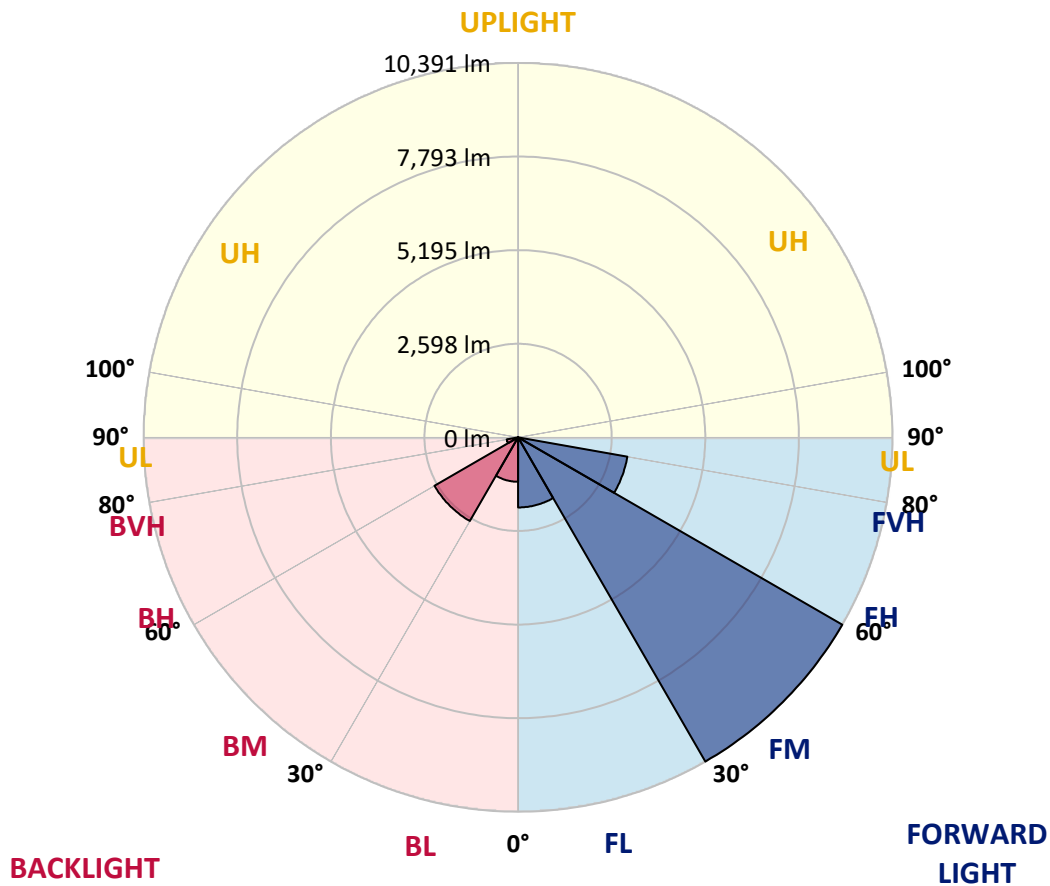
CATALOG NUMBER: GWS-SA6D-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1945.3	9.9			
FM (30°-60°)	10390.6	52.9			
FH (60°-80°)	3079.6	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1232.6	6.3	B3/2500		
BM (30°-60°)	2680.7	13.6	B3/5000		
BH (60°-80°)	319.7	1.6	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
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°	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6
2.5°	3708.9	3701.1	3674.8	3585.5	3530.3	3443.6	3380.6	3299.2	3209.9	3154.7	3099.5
5°	4102.9	4081.9	4011.0	3806.1	3648.5	3477.8	3341.2	3191.5	3031.2	2926.2	2829.0
7.5°	4481.2	4449.7	4355.1	4008.4	3769.4	3525.1	3330.7	3112.7	2886.8	2729.2	2608.3
10°	4851.6	4780.6	4630.9	4205.4	3882.3	3588.1	3359.6	3110.0	2844.7	2645.1	2511.2
12.5°	5156.3	5103.7	4898.8	4391.9	3976.9	3601.2	3320.2	3089.0	2910.4	2776.5	2653.0
15°	5418.9	5361.2	5166.8	4560.0	4058.3	3548.7	3154.7	2952.4	2981.3	3033.9	2928.8
17.5°	5660.6	5600.2	5390.0	4699.2	4089.8	3420.0	2923.5	2826.4	2986.6	3183.6	3144.2
20°	5910.1	5841.8	5584.4	4812.2	4079.3	3217.7	2689.8	2718.7	2944.6	3170.5	3191.5
22.5°	6201.7	6130.8	5831.3	4956.6	4071.4	2976.1	2487.5	2624.1	2865.8	3057.5	3094.3
25°	6587.8	6503.8	6175.4	5169.4	4092.4	2755.4	2343.0	2532.2	2731.8	2905.2	2926.2
27.5°	7097.4	6989.7	6572.1	5432.1	4137.1	2582.1	2280.0	2406.1	2561.1	2716.0	2734.4
30°	7762.0	7625.4	7026.5	5660.6	4116.1	2461.2	2238.0	2280.0	2371.9	2498.0	2500.6
32.5°	8539.5	8353.0	7536.1	5857.6	3934.8	2371.9	2180.2	2151.3	2172.3	2269.5	2287.9
35°	9453.6	9211.9	8098.2	6044.1	3603.9	2198.6	2075.1	1977.9	1970.0	2017.3	2062.0
37.5°	10501.7	10212.7	8807.4	6283.1	3212.5	2017.3	1920.1	1822.9	1780.9	1804.6	1872.9
40°	11468.3	11147.8	9548.2	6572.1	2813.2	1854.5	1738.9	1639.1	1589.2	1597.1	1681.1
42.5°	12603.0	12272.1	10454.4	6950.3	2482.3	1744.1	1549.8	1447.3	1381.7	1418.4	1515.6
45°	14326.2	13950.6	11775.6	7278.7	2219.6	1717.9	1384.3	1239.8	1208.3	1271.3	1386.9
47.5°	16679.7	16220.0	13590.7	7478.3	1996.3	1741.5	1268.7	1071.7	1079.6	1150.5	1266.1
50°	19014.9	18518.4	15689.4	7215.6	1812.4	1694.2	1210.9	940.4	990.3	1053.3	1158.4
52.5°	20619.8	19973.6	16711.2	6456.5	1644.3	1515.6	1205.7	816.9	911.5	932.5	1021.8
55°	20682.9	19887.0	16188.5	5090.6	1415.8	1279.2	1150.5	714.5	824.8	832.7	908.8
57.5°	18129.7	17410.0	14147.6	3496.2	1258.2	937.7	916.7	625.2	677.7	743.4	790.6
60°	13792.9	13180.9	10580.5	1602.3	956.1	596.3	627.8	538.5	507.0	604.1	651.4
62.5°	8447.6	8056.2	6346.2	709.2	609.4	317.8	380.9	428.2	380.9	417.6	457.1
65°	3354.3	3181.0	2408.7	302.1	249.5	160.2	173.4	249.5	267.9	294.2	331.0
67.5°	583.1	551.6	404.5	134.0	102.4	97.2	84.1	115.6	162.9	181.2	210.1
70°	76.2	73.5	65.7	55.2	52.5	47.3	36.8	73.5	110.3	115.6	134.0
72.5°	18.4	15.8	15.8	13.1	15.8	5.3	5.3	39.4	78.8	81.4	94.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	49.9	55.2	65.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CATALOG NUMBER: GWS-SA6D-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6
2.5°	3054.9	3002.4	2984.0	2957.7	2923.5	2934.1	2886.8	2871.0	2894.7	2926.2	2918.3
5°	2776.5	2718.7	2679.3	2618.8	2608.3	2584.7	2568.9	2547.9	2574.2	2611.0	2618.8
7.5°	2555.8	2505.9	2466.5	2448.1	2435.0	2424.5	2392.9	2377.2	2377.2	2392.9	2406.1
10°	2461.2	2424.5	2416.6	2421.8	2442.9	2440.2	2411.3	2390.3	2364.1	2350.9	2366.7
12.5°	2592.6	2532.2	2521.7	2524.3	2550.6	2547.9	2516.4	2490.1	2484.9	2490.1	2540.0
15°	2815.9	2723.9	2655.6	2642.5	2655.6	2650.4	2626.7	2611.0	2618.8	2695.0	2779.1
17.5°	3015.5	2873.6	2750.2	2702.9	2700.3	2692.4	2668.8	2663.5	2702.9	2844.7	2968.2
20°	3073.3	2934.1	2758.1	2697.6	2684.5	2676.6	2650.4	2658.2	2708.2	2878.9	2984.0
22.5°	2997.1	2863.1	2679.3	2618.8	2608.3	2605.7	2579.4	2590.0	2632.0	2781.7	2868.4
25°	2852.6	2739.7	2547.9	2495.4	2495.4	2490.1	2466.5	2471.8	2498.0	2629.4	2713.4
27.5°	2676.6	2568.9	2408.7	2356.2	2364.1	2371.9	2343.0	2335.2	2356.2	2479.6	2529.5
30°	2474.4	2398.2	2272.1	2224.8	2222.2	2253.7	2214.3	2203.8	2232.7	2329.9	2340.4
32.5°	2277.4	2240.6	2151.3	2114.5	2117.1	2122.4	2101.4	2101.4	2127.6	2180.2	2177.6
35°	2085.6	2062.0	2046.2	2020.0	2017.3	2006.8	2006.8	2012.1	2041.0	2059.4	2025.2
37.5°	1901.8	1925.4	1943.8	1917.5	1896.5	1896.5	1896.5	1920.1	1946.4	1938.5	1880.7
40°	1738.9	1788.8	1846.6	1817.7	1767.8	1765.2	1775.7	1815.1	1854.5	1807.2	1754.7
42.5°	1599.7	1662.7	1744.1	1728.4	1673.2	1665.3	1673.2	1723.1	1754.7	1694.2	1636.5
45°	1463.1	1541.9	1639.1	1639.1	1578.7	1570.8	1573.4	1639.1	1657.5	1586.5	1513.0
47.5°	1347.5	1434.2	1536.6	1536.6	1486.7	1471.0	1484.1	1552.4	1565.5	1465.7	1397.4
50°	1237.2	1331.8	1444.7	1436.8	1402.7	1389.5	1413.2	1486.7	1471.0	1360.6	1289.7
52.5°	1098.0	1197.8	1352.8	1360.6	1342.3	1344.9	1373.8	1421.1	1376.4	1242.4	1182.0
55°	971.9	1074.3	1229.3	1271.3	1271.3	1268.7	1281.8	1318.6	1281.8	1121.6	1048.1
57.5°	835.3	922.0	1050.7	1061.2	1069.1	1040.2	1058.6	1108.5	1090.1	953.5	911.5
60°	685.6	759.1	832.7	840.6	806.4	746.0	780.1	837.9	851.1	748.6	701.3
62.5°	485.9	556.9	643.5	643.5	609.4	549.0	593.6	643.5	625.2	520.1	491.2
65°	362.5	428.2	493.8	522.7	493.8	451.8	485.9	522.7	493.8	407.1	365.1
67.5°	233.8	278.4	317.8	341.5	346.7	341.5	357.2	346.7	312.6	254.8	231.2
70°	141.8	165.5	186.5	207.5	223.3	231.2	239.0	215.4	181.2	149.7	141.8
72.5°	102.4	123.5	141.8	157.6	176.0	181.2	181.2	165.5	134.0	105.1	97.2
75°	70.9	89.3	105.1	115.6	131.3	136.6	136.6	123.5	99.8	76.2	68.3
77.5°	2.6	18.4	18.4	15.8	21.0	26.3	26.3	31.5	28.9	21.0	18.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CATALOG NUMBER: GWS-SA6D-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6
2.5°	2934.1	3028.6	3054.9	3152.1	3238.8	3325.4	3430.5	3493.5	3588.1	3653.8	3690.6
5°	2645.1	2723.9	2818.5	2962.9	3112.7	3278.2	3477.8	3651.2	3869.2	4029.4	4081.9
7.5°	2435.0	2537.4	2647.7	2829.0	3033.9	3254.5	3535.6	3819.3	4152.9	4370.9	4510.1
10°	2395.6	2500.6	2647.7	2826.4	3041.8	3293.9	3638.0	4005.8	4423.4	4688.7	4846.3
12.5°	2584.7	2697.6	2760.7	2842.1	3005.0	3286.0	3727.3	4194.9	4686.1	4975.0	5143.1
15°	2863.1	2962.9	2860.5	2758.1	2863.1	3202.0	3777.2	4352.5	4917.2	5250.8	5424.2
17.5°	3054.9	3062.8	2839.5	2621.5	2650.4	3049.6	3795.6	4510.1	5164.1	5513.5	5694.7
20°	3036.5	2973.5	2747.6	2505.9	2416.6	2852.6	3774.6	4649.3	5413.7	5778.8	5957.4
22.5°	2894.7	2821.1	2629.4	2392.9	2219.6	2618.8	3737.8	4775.4	5642.2	6057.2	6225.3
25°	2723.9	2645.1	2487.5	2280.0	2093.5	2392.9	3708.9	4948.8	5931.2	6419.7	6551.1
27.5°	2524.3	2456.0	2322.0	2172.3	2041.0	2222.2	3701.1	5177.3	6280.5	6861.0	6952.9
30°	2329.9	2266.9	2161.8	2075.1	2020.0	2122.4	3674.8	5421.6	6698.2	7368.0	7467.8
32.5°	2143.4	2080.4	2014.7	2001.6	2004.2	2085.6	3585.5	5663.2	7194.6	8103.5	8177.0
35°	1983.2	1909.6	1883.4	1914.9	1972.7	2022.6	3333.3	5862.9	7727.8	8904.6	8965.0
37.5°	1830.8	1757.3	1754.7	1830.8	1893.9	1925.4	3036.5	6059.9	8447.6	9718.9	9795.1
40°	1691.6	1618.1	1644.3	1736.3	1786.2	1801.9	2676.6	6359.3	9209.3	10577.8	10535.8
42.5°	1573.4	1497.2	1513.0	1631.2	1675.9	1717.9	2345.7	6608.8	9942.2	11392.1	11379.0
45°	1457.8	1400.0	1389.5	1518.2	1557.6	1725.8	2104.0	6800.6	10885.2	12429.7	12450.7
47.5°	1344.9	1300.2	1302.9	1358.0	1455.2	1765.2	1899.1	6926.7	12253.7	14074.0	13708.9
50°	1242.4	1208.3	1237.2	1174.1	1389.5	1715.3	1723.1	6900.4	13782.4	15650.0	14917.2
52.5°	1129.5	1121.6	1134.7	982.4	1284.5	1513.0	1557.6	6551.1	14499.5	16727.0	16309.4
55°	1013.9	1011.3	906.2	785.4	1074.3	1208.3	1334.4	5466.2	14475.9	17299.6	17806.6
57.5°	877.3	856.3	688.2	640.9	835.3	840.6	1216.2	3580.2	12828.9	15928.5	16979.2
60°	664.6	648.8	504.3	520.1	583.1	538.5	969.3	1783.5	9587.6	12408.7	13593.3
62.5°	459.7	438.7	375.6	401.9	375.6	307.3	593.6	882.6	5807.7	7835.5	8909.9
65°	336.2	312.6	257.4	220.6	176.0	176.0	225.9	338.8	2248.5	3330.7	4016.3
67.5°	207.5	197.0	152.4	110.3	107.7	115.6	118.2	168.1	362.5	577.9	706.6
70°	134.0	123.5	102.4	70.9	65.7	68.3	70.9	78.8	91.9	99.8	120.8
72.5°	91.9	86.7	73.5	39.4	31.5	34.1	36.8	36.8	44.7	42.0	49.9
75°	65.7	60.4	52.5	18.4	10.5	13.1	15.8	13.1	15.8	10.5	13.1
77.5°	18.4	18.4	13.1	2.6	0.0	2.6	5.3	5.3	2.6	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



REPORT NUMBER: P642769

CATALOG NUMBER: GWS-SA6D-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6	3338.6
2.5°	3785.1	3845.5	3869.2	3835.0	3863.9	3816.6	3798.2	3727.3	3722.1	3708.9
5°	4294.7	4431.3	4512.7	4562.6	4504.8	4441.8	4347.2	4184.4	4134.5	4102.9
7.5°	4796.4	5009.2	5148.4	5214.1	5198.3	5069.6	4898.8	4625.7	4528.5	4481.2
10°	5232.4	5492.5	5660.6	5742.0	5707.9	5594.9	5350.6	5009.2	4880.5	4851.6
12.5°	5537.1	5776.2	5891.8	5962.7	5965.3	5920.6	5689.5	5345.4	5193.0	5156.3
15°	5728.9	5831.3	5834.0	5876.0	5949.5	6049.4	5941.7	5637.0	5474.1	5418.9
17.5°	5849.7	5736.8	5621.2	5631.7	5752.5	6017.8	6128.2	5894.4	5721.0	5660.6
20°	5936.4	5579.2	5363.8	5366.4	5489.9	5891.8	6256.9	6143.9	5965.3	5910.1
22.5°	5991.6	5440.0	5132.6	5124.7	5256.1	5742.0	6375.1	6440.7	6264.7	6201.7
25°	6104.5	5374.3	4993.4	5038.1	5153.6	5694.7	6535.3	6834.7	6671.9	6587.8
27.5°	6306.8	5440.0	4980.3	5082.7	5214.1	5834.0	6813.7	7360.1	7192.0	7097.4
30°	6656.1	5686.9	5182.5	5324.4	5482.0	6199.1	7281.3	8092.9	7851.3	7762.0
32.5°	7218.2	6199.1	5807.7	6112.4	6264.7	6798.0	7982.6	8915.1	8718.1	8539.5
35°	7993.1	7368.0	7323.3	8032.5	7995.8	7932.7	8844.2	9923.8	9627.0	9453.6
37.5°	9059.6	9248.7	9579.7	10283.6	10260.0	9779.3	9976.3	10877.3	10724.9	10501.7
40°	10391.3	10793.2	11355.3	12364.0	12048.8	11444.7	11365.9	11854.4	11731.0	11468.3
42.5°	11176.7	11870.2	12941.9	13848.1	13595.9	12540.0	12450.7	13159.9	12889.4	12603.0
45°	11541.8	12747.5	14848.9	16075.6	15311.2	13267.6	13233.5	14862.0	14709.7	14326.2
47.5°	11710.0	13632.7	17081.6	18938.7	17509.8	13905.9	13782.4	17331.2	17131.5	16679.7
50°	11896.5	14854.1	19771.4	22256.3	20165.4	14628.2	14717.6	19632.2	19548.1	19014.9
52.5°	12306.2	16146.5	23083.7	26049.3	23385.8	15760.4	16322.5	21801.8	21234.5	20619.8
55°	12920.9	17554.4	26530.0	29923.7	26671.8	17281.2	18058.8	22955.0	21363.2	20682.9
57.5°	12240.6	17906.4	28570.9	32629.2	28129.6	17286.5	16590.4	20956.0	18789.0	18129.7
60°	9713.6	16658.7	27785.5	32043.5	26887.2	15350.6	12702.9	16361.9	14234.2	13792.9
62.5°	6566.8	13971.6	24460.1	27100.0	23012.8	12075.1	8255.8	10640.9	8812.7	8447.6
65°	3598.6	10422.9	19763.5	20501.6	18011.5	8434.4	4247.4	4617.8	3517.2	3354.3
67.5°	992.9	7255.0	14541.6	13601.2	12637.2	5492.5	1098.0	824.8	588.4	583.1
70°	249.5	4799.0	8712.9	8980.8	7748.8	3517.2	210.1	99.8	78.8	76.2
72.5°	105.1	2064.6	4134.5	4751.8	3966.4	1628.6	76.2	28.9	23.6	18.4
75°	13.1	165.5	352.0	533.2	365.1	176.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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)