

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: P642274

Luminaire Tested: GWS-SA6C-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642274  
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-SA6C-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**

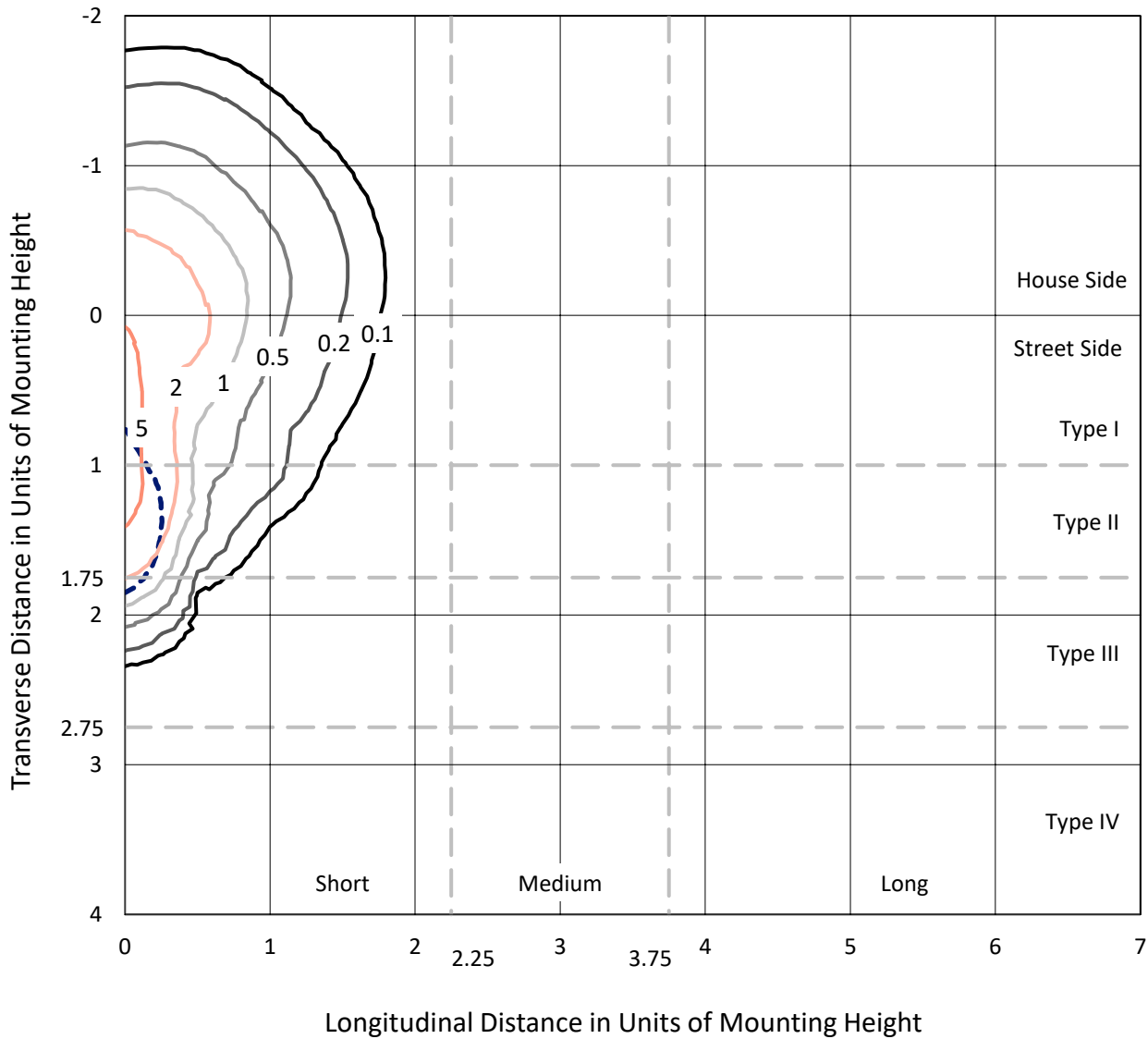
Lumens per Lamp: N/A  
Luminaire Lumens: 15574.7 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

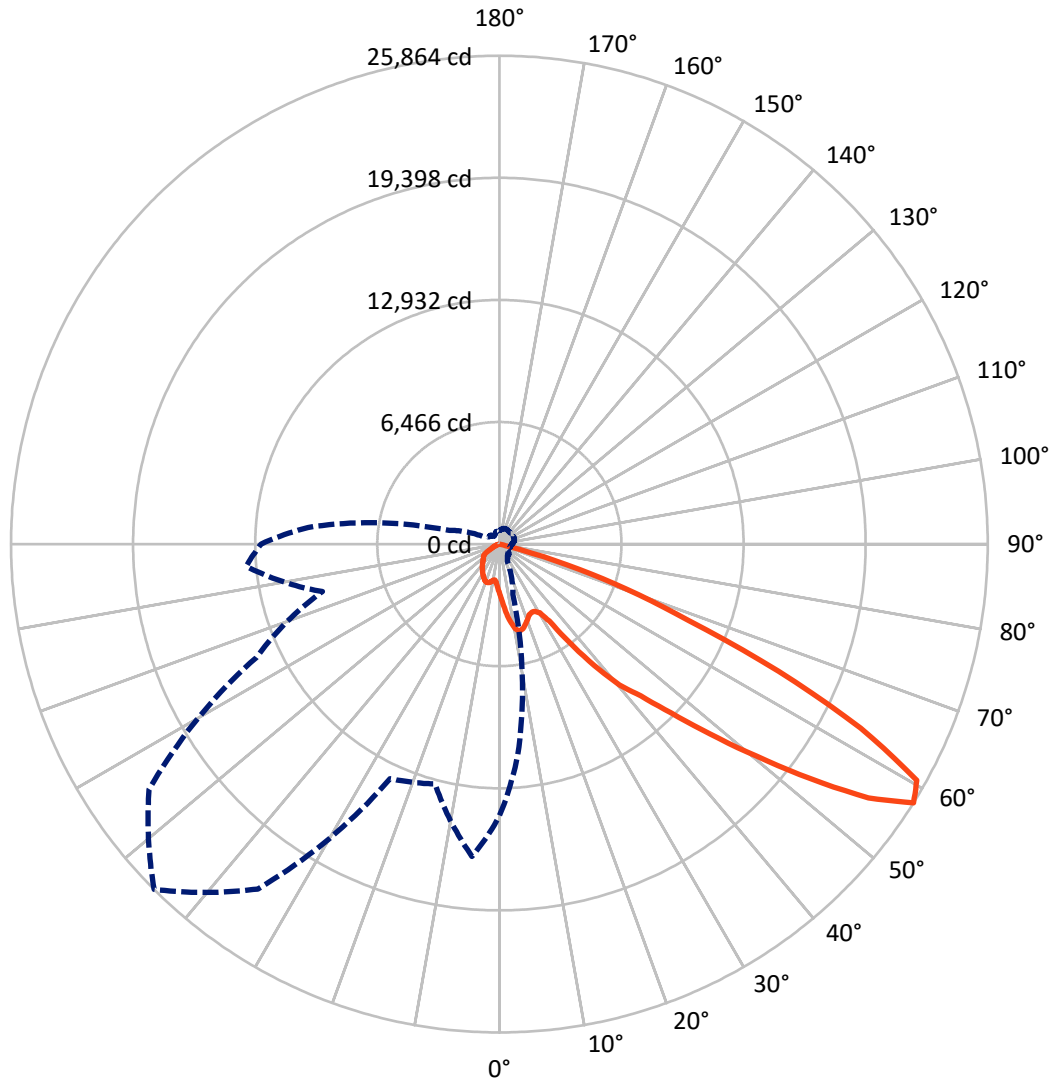
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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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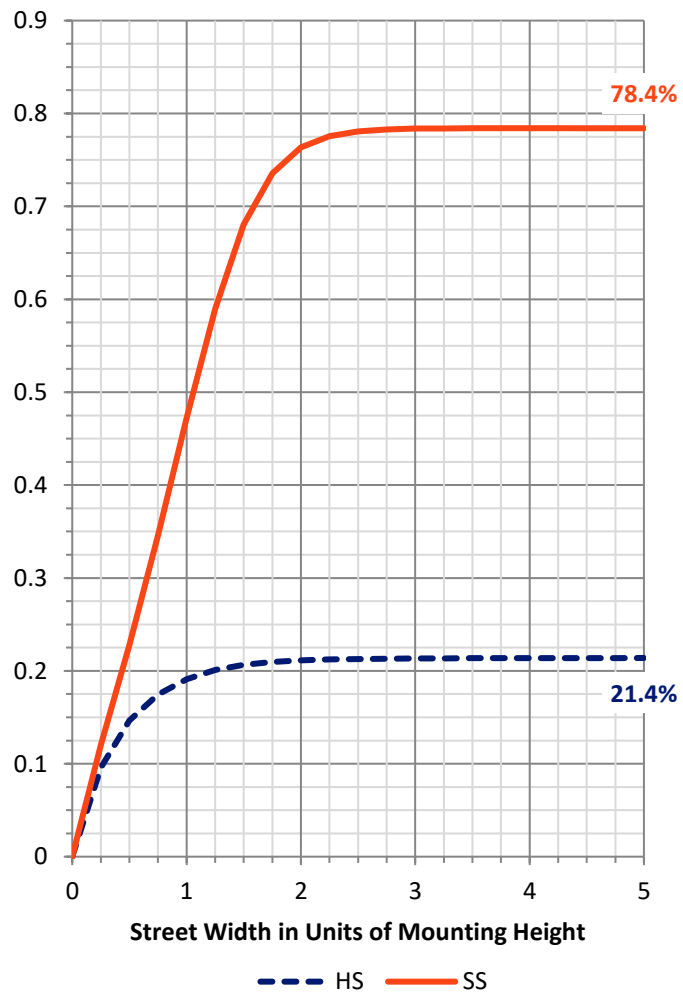
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3355.3	0.0	3355.3
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	12219.4	0.0	12219.4
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	15574.7	0.0	15574.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.6	1.7
10°-20°	860.7	5.5
20°-30°	1396.8	9.0
30°-40°	2143.7	13.8
40°-50°	3423.7	22.0
50°-60°	4793.8	30.8
60°-70°	2457.9	15.8
70°-80°	236.6	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°	15574.7	100.0
0°-180°	15574.7	100.0

**Coefficient of Utilization**



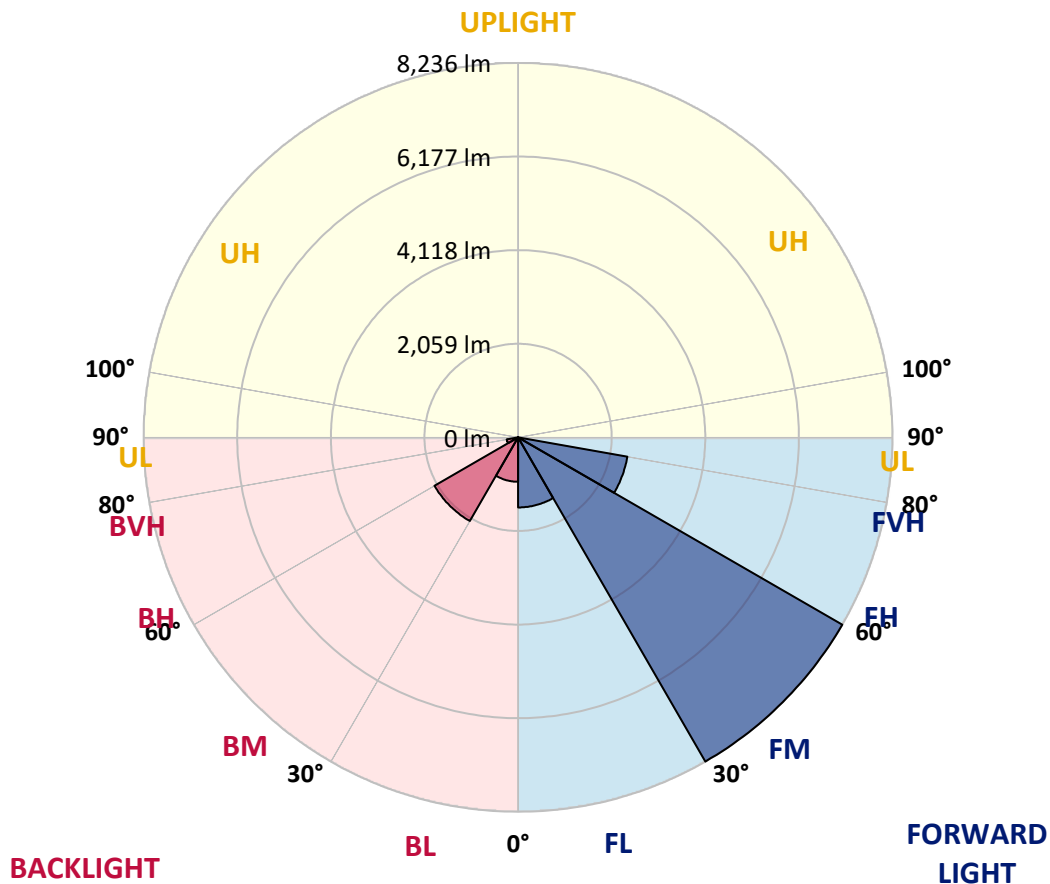
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1542.0	9.9			
FM (30°-60°)	8236.3	52.9			
FH (60°-80°)	2441.1	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	977.0	6.3	B2/1000		
BM (30°-60°)	2124.9	13.6	B2/2500		
BH (60°-80°)	253.4	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: 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°	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4
2.5°	2940.0	2933.7	2912.9	2842.1	2798.4	2729.7	2679.7	2615.1	2544.3	2500.6	2456.9
5°	3252.3	3235.6	3179.4	3017.0	2892.1	2756.7	2648.5	2529.8	2402.8	2319.5	2242.4
7.5°	3552.1	3527.1	3452.2	3177.3	2987.8	2794.2	2640.1	2467.3	2288.2	2163.3	2067.5
10°	3845.7	3789.5	3670.8	3333.5	3077.4	2844.2	2663.0	2465.2	2254.9	2096.7	1990.5
12.5°	4087.2	4045.6	3883.2	3481.3	3152.3	2854.6	2631.8	2448.6	2307.0	2200.8	2102.9
15°	4295.4	4249.6	4095.5	3614.6	3216.9	2812.9	2500.6	2340.3	2363.2	2404.8	2321.6
17.5°	4487.0	4439.1	4272.5	3724.9	3241.9	2710.9	2317.4	2240.4	2367.4	2523.5	2492.3
20°	4684.8	4630.6	4426.6	3814.4	3233.5	2550.6	2132.1	2155.0	2334.1	2513.1	2529.8
22.5°	4915.9	4859.7	4622.3	3929.0	3227.3	2359.0	1971.8	2080.0	2271.6	2423.6	2452.7
25°	5222.0	5155.3	4895.1	4097.6	3243.9	2184.1	1857.2	2007.2	2165.4	2302.8	2319.5
27.5°	5625.9	5540.5	5209.5	4305.8	3279.3	2046.7	1807.3	1907.2	2030.1	2152.9	2167.5
30°	6152.7	6044.4	5569.7	4487.0	3262.7	1950.9	1774.0	1807.3	1880.2	1980.1	1982.2
32.5°	6769.0	6621.1	5973.6	4643.1	3119.0	1880.2	1728.2	1705.3	1721.9	1799.0	1813.5
35°	7493.5	7302.0	6419.2	4791.0	2856.7	1742.7	1644.9	1567.8	1561.6	1599.1	1634.5
37.5°	8324.3	8095.3	6981.3	4980.4	2546.4	1599.1	1522.0	1445.0	1411.7	1430.4	1484.6
40°	9090.5	8836.5	7568.5	5209.5	2229.9	1470.0	1378.4	1299.2	1259.7	1265.9	1332.6
42.5°	9990.0	9727.7	8286.8	5509.3	1967.6	1382.5	1228.4	1147.2	1095.2	1124.3	1201.4
45°	11355.9	11058.1	9334.1	5769.5	1759.4	1361.7	1097.3	982.8	957.8	1007.7	1099.4
47.5°	13221.5	12857.1	10772.9	5927.8	1582.4	1380.4	1005.7	849.5	855.8	912.0	1003.6
50°	15072.5	14678.9	12436.5	5719.6	1436.7	1343.0	959.9	745.4	785.0	834.9	918.2
52.5°	16344.6	15832.4	13246.4	5117.8	1303.4	1201.4	955.7	647.5	722.5	739.2	809.9
55°	16394.6	15763.7	12832.1	4035.1	1122.3	1014.0	912.0	566.3	653.8	660.0	720.4
57.5°	14370.8	13800.3	11214.3	2771.3	997.3	743.3	726.7	495.5	537.2	589.2	626.7
60°	10933.2	10448.1	8386.8	1270.1	757.9	472.6	497.6	426.8	401.8	478.9	516.4
62.5°	6696.1	6385.9	5030.4	562.2	483.1	251.9	301.9	339.4	301.9	331.1	362.3
65°	2658.9	2521.4	1909.3	239.4	197.8	127.0	137.4	197.8	212.4	233.2	262.3
67.5°	462.2	437.2	320.6	106.2	81.2	77.0	66.6	91.6	129.1	143.7	166.6
70°	60.4	58.3	52.1	43.7	41.6	37.5	29.1	58.3	87.4	91.6	106.2
72.5°	14.6	12.5	12.5	10.4	12.5	4.2	4.2	31.2	62.5	64.5	75.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	39.6	43.7	52.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4
2.5°	2421.5	2379.9	2365.3	2344.5	2317.4	2325.7	2288.2	2275.8	2294.5	2319.5	2313.2
5°	2200.8	2155.0	2123.8	2075.9	2067.5	2048.8	2036.3	2019.7	2040.5	2069.6	2075.9
7.5°	2025.9	1986.3	1955.1	1940.5	1930.1	1921.8	1896.8	1884.3	1884.3	1896.8	1907.2
10°	1950.9	1921.8	1915.5	1919.7	1936.4	1934.3	1911.4	1894.7	1873.9	1863.5	1876.0
12.5°	2055.1	2007.2	1998.8	2000.9	2021.7	2019.7	1994.7	1973.8	1969.7	1973.8	2013.4
15°	2232.0	2159.2	2105.0	2094.6	2105.0	2100.9	2082.1	2069.6	2075.9	2136.3	2202.9
17.5°	2390.3	2277.8	2180.0	2142.5	2140.4	2134.2	2115.4	2111.3	2142.5	2254.9	2352.8
20°	2436.1	2325.7	2186.2	2138.3	2127.9	2121.7	2100.9	2107.1	2146.7	2282.0	2365.3
22.5°	2375.7	2269.5	2123.8	2075.9	2067.5	2065.5	2044.6	2053.0	2086.3	2205.0	2273.7
25°	2261.2	2171.6	2019.7	1978.0	1978.0	1973.8	1955.1	1959.3	1980.1	2084.2	2150.8
27.5°	2121.7	2036.3	1909.3	1867.7	1873.9	1880.2	1857.2	1851.0	1867.7	1965.5	2005.1
30°	1961.4	1901.0	1801.0	1763.6	1761.5	1786.5	1755.2	1746.9	1769.8	1846.8	1855.2
32.5°	1805.2	1776.0	1705.3	1676.1	1678.2	1682.4	1665.7	1665.7	1686.5	1728.2	1726.1
35°	1653.2	1634.5	1622.0	1601.1	1599.1	1590.7	1590.7	1594.9	1617.8	1632.4	1605.3
37.5°	1507.5	1526.2	1540.8	1519.9	1503.3	1503.3	1503.3	1522.0	1542.8	1536.6	1490.8
40°	1378.4	1417.9	1463.7	1440.8	1401.3	1399.2	1407.5	1438.7	1470.0	1432.5	1390.9
42.5°	1268.0	1318.0	1382.5	1370.0	1326.3	1320.1	1326.3	1365.9	1390.9	1343.0	1297.2
45°	1159.7	1222.2	1299.2	1299.2	1251.4	1245.1	1247.2	1299.2	1313.8	1257.6	1199.3
47.5°	1068.1	1136.8	1218.0	1218.0	1178.5	1166.0	1176.4	1230.5	1240.9	1161.8	1107.7
50°	980.7	1055.6	1145.2	1138.9	1111.9	1101.4	1120.2	1178.5	1166.0	1078.5	1022.3
52.5°	870.3	949.4	1072.3	1078.5	1064.0	1066.0	1088.9	1126.4	1091.0	984.8	937.0
55°	770.4	851.6	974.4	1007.7	1007.7	1005.7	1016.1	1045.2	1016.1	889.1	830.8
57.5°	662.1	730.8	832.8	841.2	847.4	824.5	839.1	878.7	864.1	755.8	722.5
60°	543.4	601.7	660.0	666.3	639.2	591.3	618.4	664.2	674.6	593.4	555.9
62.5°	385.2	441.4	510.1	510.1	483.1	435.2	470.6	510.1	495.5	412.3	389.4
65°	287.3	339.4	391.4	414.3	391.4	358.1	385.2	414.3	391.4	322.7	289.4
67.5°	185.3	220.7	251.9	270.7	274.8	270.7	283.2	274.8	247.8	202.0	183.2
70°	112.4	131.2	147.8	164.5	177.0	183.2	189.5	170.7	143.7	118.7	112.4
72.5°	81.2	97.9	112.4	124.9	139.5	143.7	143.7	131.2	106.2	83.3	77.0
75°	56.2	70.8	83.3	91.6	104.1	108.3	108.3	97.9	79.1	60.4	54.1
77.5°	2.1	14.6	14.6	12.5	16.7	20.8	20.8	25.0	22.9	16.7	14.6
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-SA6C-750-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4
2.5°	2325.7	2400.7	2421.5	2498.5	2567.3	2636.0	2719.2	2769.2	2844.2	2896.2	2925.4
5°	2096.7	2159.2	2234.1	2348.6	2467.3	2598.5	2756.7	2894.1	3067.0	3194.0	3235.6
7.5°	1930.1	2011.3	2098.8	2242.4	2404.8	2579.7	2802.5	3027.4	3291.8	3464.6	3575.0
10°	1898.9	1982.2	2098.8	2240.4	2411.1	2611.0	2883.7	3175.2	3506.3	3716.6	3841.5
12.5°	2048.8	2138.3	2188.3	2252.9	2381.9	2604.7	2954.5	3325.1	3714.5	3943.5	4076.8
15°	2269.5	2348.6	2267.4	2186.2	2269.5	2538.1	2994.1	3450.1	3897.7	4162.2	4299.6
17.5°	2421.5	2427.7	2250.8	2078.0	2100.9	2417.3	3008.7	3575.0	4093.4	4370.4	4514.0
20°	2406.9	2357.0	2177.9	1986.3	1915.5	2261.2	2992.0	3685.3	4291.2	4580.7	4722.2
22.5°	2294.5	2236.2	2084.2	1896.8	1759.4	2075.9	2962.9	3785.3	4472.4	4801.4	4934.6
25°	2159.2	2096.7	1971.8	1807.3	1659.4	1896.8	2940.0	3922.7	4701.4	5088.7	5192.8
27.5°	2000.9	1946.8	1840.6	1721.9	1617.8	1761.5	2933.7	4103.9	4978.3	5438.5	5511.4
30°	1846.8	1796.9	1713.6	1644.9	1601.1	1682.4	2912.9	4297.5	5309.4	5840.3	5919.5
32.5°	1699.0	1649.0	1597.0	1586.6	1588.7	1653.2	2842.1	4489.0	5702.9	6423.3	6481.6
35°	1572.0	1513.7	1492.9	1517.9	1563.7	1603.2	2642.2	4647.3	6125.6	7058.4	7106.3
37.5°	1451.2	1392.9	1390.9	1451.2	1501.2	1526.2	2406.9	4803.4	6696.1	7703.8	7764.2
40°	1340.9	1282.6	1303.4	1376.3	1415.8	1428.3	2121.7	5040.8	7299.9	8384.7	8351.4
42.5°	1247.2	1186.8	1199.3	1293.0	1328.4	1361.7	1859.3	5238.6	7880.8	9030.1	9019.7
45°	1155.6	1109.8	1101.4	1203.5	1234.7	1368.0	1667.8	5390.6	8628.3	9852.6	9869.2
47.5°	1066.0	1030.6	1032.7	1076.5	1153.5	1399.2	1505.4	5490.5	9713.1	11156.0	10866.6
50°	984.8	957.8	980.7	930.7	1101.4	1359.6	1365.9	5469.7	10924.9	12405.3	11824.3
52.5°	895.3	889.1	899.5	778.7	1018.2	1199.3	1234.7	5192.8	11493.3	13258.9	12927.9
55°	803.7	801.6	718.3	622.6	851.6	957.8	1057.7	4332.9	11474.6	13712.8	14114.7
57.5°	695.4	678.8	545.5	508.0	662.1	666.3	964.0	2837.9	10169.1	12626.0	13458.8
60°	526.8	514.3	399.8	412.3	462.2	426.8	768.3	1413.8	7599.7	9835.9	10775.0
62.5°	364.4	347.7	297.7	318.6	297.7	243.6	470.6	699.6	4603.6	6211.0	7062.5
65°	266.5	247.8	204.0	174.9	139.5	139.5	179.1	268.6	1782.3	2640.1	3183.6
67.5°	164.5	156.2	120.8	87.4	85.4	91.6	93.7	133.3	287.3	458.1	560.1
70°	106.2	97.9	81.2	56.2	52.1	54.1	56.2	62.5	72.9	79.1	95.8
72.5°	72.9	68.7	58.3	31.2	25.0	27.1	29.1	29.1	35.4	33.3	39.6
75°	52.1	47.9	41.6	14.6	8.3	10.4	12.5	10.4	12.5	8.3	10.4
77.5°	14.6	14.6	10.4	2.1	0.0	2.1	4.2	4.2	2.1	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	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: P642274

CATALOG NUMBER: GWS-SA6C-750-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4	2646.4
2.5°	3000.3	3048.2	3067.0	3039.9	3062.8	3025.3	3010.7	2954.5	2950.4	2940.0
5°	3404.3	3512.5	3577.1	3616.6	3570.8	3520.9	3445.9	3316.8	3277.3	3252.3
7.5°	3801.9	3970.6	4081.0	4133.0	4120.5	4018.5	3883.2	3666.6	3589.6	3552.1
10°	4147.6	4353.7	4487.0	4551.5	4524.4	4434.9	4241.3	3970.6	3868.6	3845.7
12.5°	4389.1	4578.6	4670.2	4726.4	4728.5	4693.1	4509.9	4237.1	4116.3	4087.2
15°	4541.1	4622.3	4624.4	4657.7	4716.0	4795.1	4709.8	4468.2	4339.1	4295.4
17.5°	4636.9	4547.3	4455.7	4464.1	4559.8	4770.1	4857.6	4672.3	4534.9	4487.0
20°	4705.6	4422.4	4251.7	4253.8	4351.6	4670.2	4959.6	4870.1	4728.5	4684.8
22.5°	4749.3	4312.1	4068.5	4062.2	4166.3	4551.5	5053.3	5105.4	4965.9	4915.9
25°	4838.8	4260.0	3958.1	3993.5	4085.1	4514.0	5180.3	5417.7	5288.6	5222.0
27.5°	4999.2	4312.1	3947.7	4028.9	4133.0	4624.4	5401.0	5834.1	5700.8	5625.9
30°	5276.1	4507.8	4108.0	4220.5	4345.4	4913.8	5771.6	6415.0	6223.5	6152.7
32.5°	5721.7	4913.8	4603.6	4845.1	4965.9	5388.5	6327.6	7066.7	6910.6	6769.0
35°	6335.9	5840.3	5804.9	6367.1	6338.0	6288.0	7010.5	7866.2	7631.0	7493.5
37.5°	7181.2	7331.1	7593.5	8151.5	8132.8	7751.7	7907.9	8622.1	8501.3	8324.3
40°	8236.9	8555.4	9001.0	9800.5	9550.7	9071.8	9009.3	9396.6	9298.7	9090.5
42.5°	8859.4	9409.1	10258.6	10976.9	10777.0	9940.0	9869.2	10431.4	10217.0	9990.0
45°	9148.8	10104.5	11770.2	12742.6	12136.7	10516.8	10489.7	11780.6	11659.9	11355.9
47.5°	9282.1	10806.2	13540.0	15012.1	13879.4	11022.7	10924.9	13737.8	13579.6	13221.5
50°	9429.9	11774.4	15672.1	17641.8	15984.4	11595.3	11666.1	15561.8	15495.1	15072.5
52.5°	9754.7	12798.8	18297.7	20648.4	18537.1	12492.7	12938.3	17281.6	16831.8	16344.6
55°	10241.9	13914.8	21029.4	23719.5	21141.8	13698.3	14314.6	18195.6	16933.9	16394.6
57.5°	9702.7	14193.8	22647.2	25864.1	22297.4	13702.4	13150.7	16611.1	14893.4	14370.8
60°	7699.7	13204.8	22024.6	25399.8	21312.6	12167.9	10069.1	12969.5	11283.0	10933.2
62.5°	5205.3	11074.8	19388.7	21481.2	18241.4	9571.5	6544.1	8434.7	6985.5	6696.1
65°	2852.5	8261.8	15665.9	16250.9	14277.1	6685.7	3366.8	3660.4	2788.0	2658.9
67.5°	787.0	5750.8	11526.6	10781.2	10017.1	4353.7	870.3	653.8	466.4	462.2
70°	197.8	3804.0	6906.4	7118.8	6142.2	2788.0	166.6	79.1	62.5	60.4
72.5°	83.3	1636.5	3277.3	3766.6	3144.0	1290.9	60.4	22.9	18.7	14.6
75°	10.4	131.2	279.0	422.7	289.4	139.5	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)