

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: P642604

Luminaire Tested: GWS-SA6D-730-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642604  
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-730-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) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

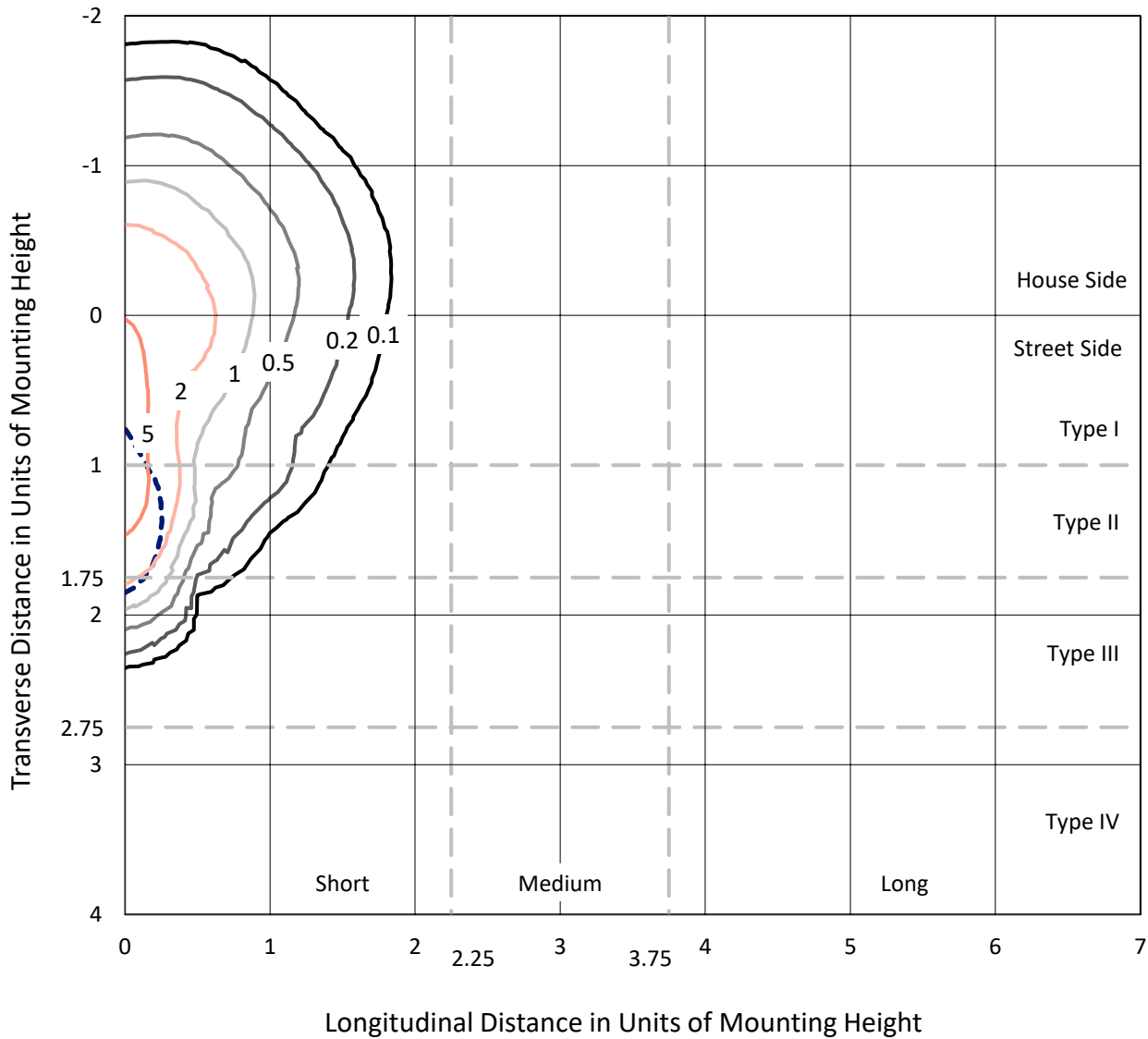
Lumens per Lamp: N/A  
Luminaire Lumens: 17491.4 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

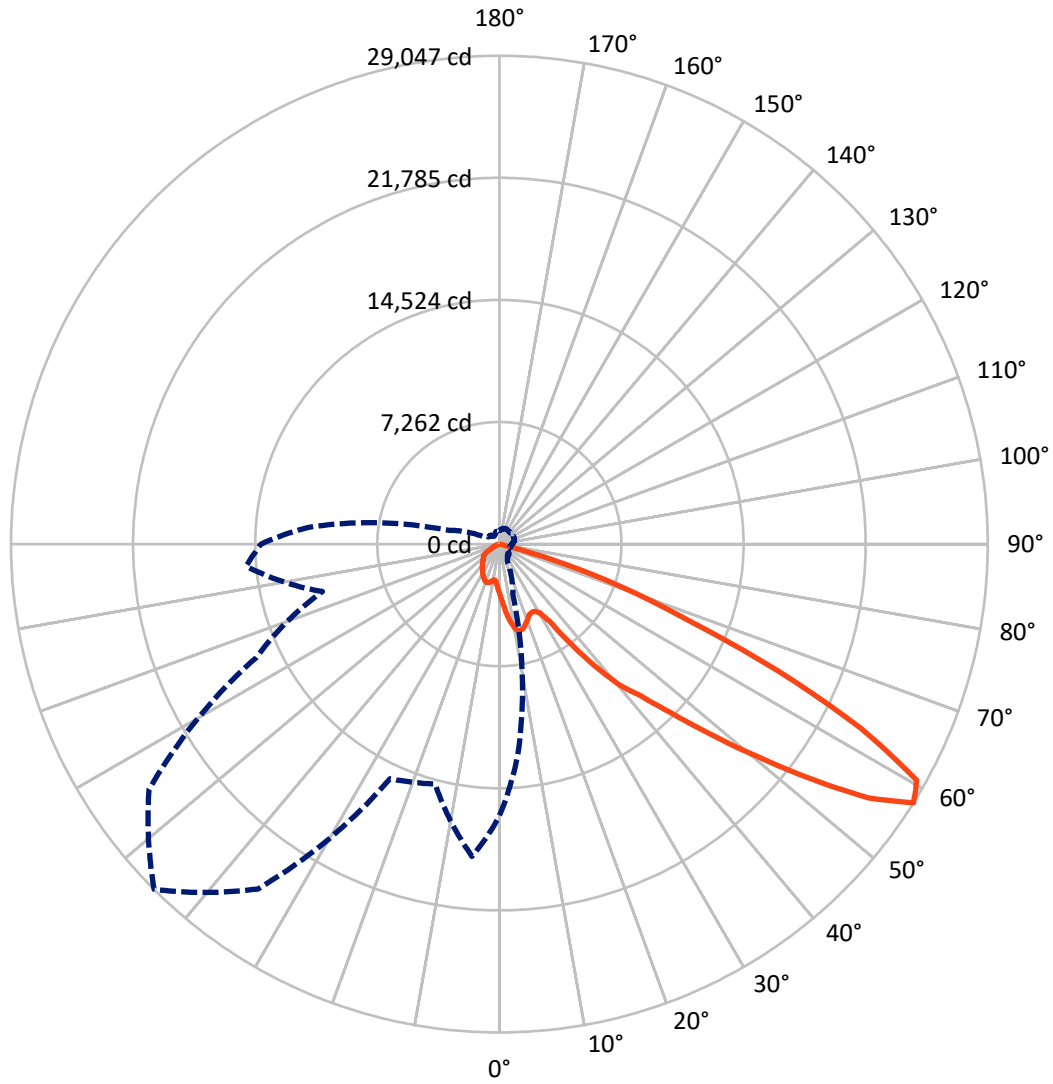
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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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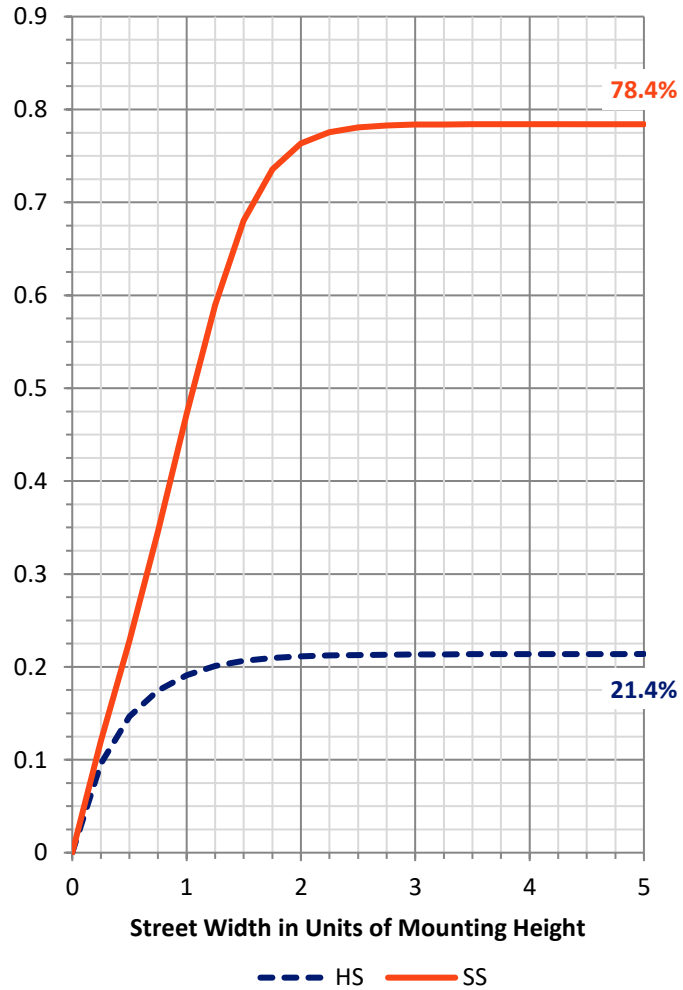
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3768.2	0.0	3768.2
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	13723.2	0.0	13723.2
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	17491.4	0.0	17491.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.8	1.7
10°-20°	966.6	5.5
20°-30°	1568.7	9.0
30°-40°	2407.5	13.8
40°-50°	3845.0	22.0
50°-60°	5383.7	30.8
60°-70°	2760.4	15.8
70°-80°	265.8	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°	17491.4	100.0
0°-180°	17491.4	100.0

**Coefficient of Utilization**

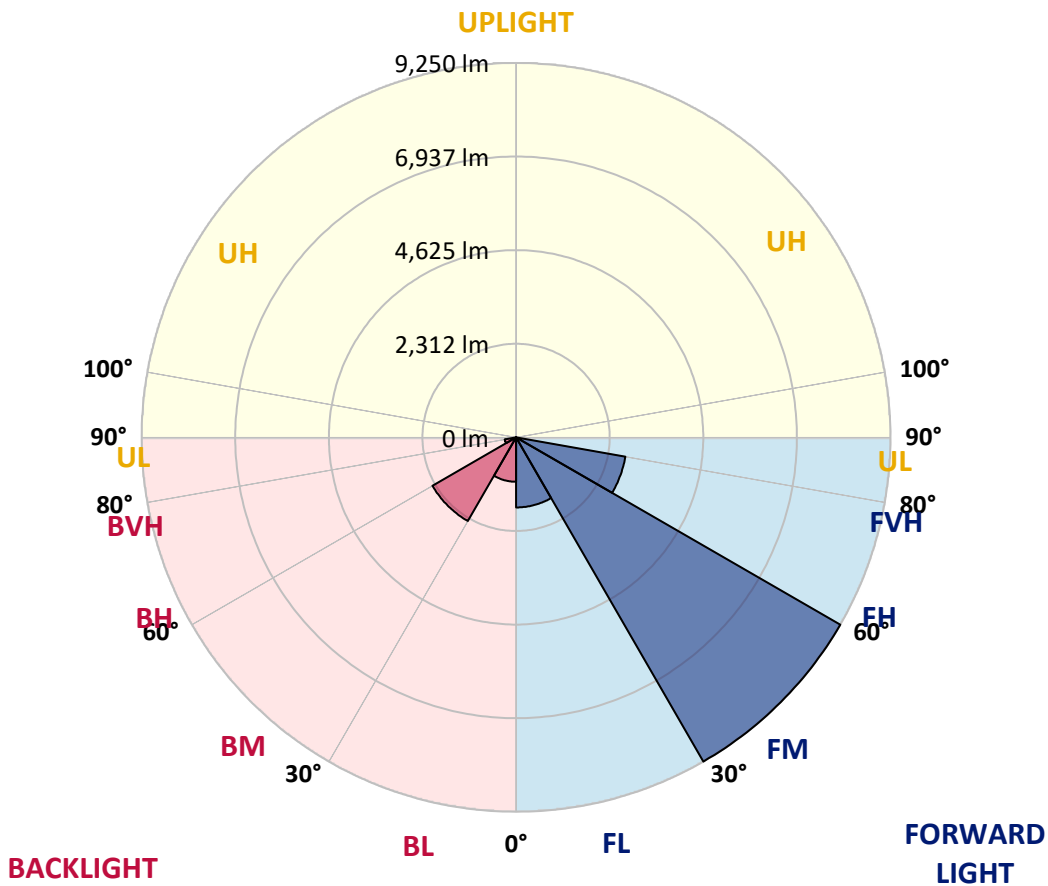


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1731.8	9.9			
FM (30°-60°)	9249.9	52.9			
FH (60°-80°)	2741.5	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1097.2	6.3	B3/2500		
BM (30°-60°)	2386.4	13.6	B2/2500		
BH (60°-80°)	284.6	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°	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0
2.5°	3301.8	3294.7	3271.4	3191.9	3142.7	3065.6	3009.5	2937.0	2857.5	2808.4	2759.3
5°	3652.5	3633.8	3570.7	3388.3	3248.0	3096.0	2974.4	2841.1	2698.5	2604.9	2518.4
7.5°	3989.2	3961.2	3877.0	3568.3	3355.5	3138.1	2965.0	2770.9	2569.9	2429.5	2322.0
10°	4318.9	4255.8	4122.5	3743.7	3456.1	3194.2	2990.8	2768.6	2532.4	2354.7	2235.5
12.5°	4590.2	4543.4	4361.0	3909.7	3540.3	3205.9	2955.7	2749.9	2590.9	2471.6	2361.7
15°	4824.0	4772.6	4599.5	4059.4	3612.8	3159.1	2808.4	2628.3	2654.0	2700.8	2607.3
17.5°	5039.2	4985.4	4798.3	4183.3	3640.8	3044.5	2602.6	2516.1	2658.7	2834.1	2799.0
20°	5261.3	5200.5	4971.3	4283.9	3631.5	2864.5	2394.5	2420.2	2621.3	2822.4	2841.1
22.5°	5520.9	5457.7	5191.1	4412.5	3624.4	2649.4	2214.4	2336.0	2551.1	2721.8	2754.6
25°	5864.6	5789.8	5497.5	4601.9	3643.2	2452.9	2085.8	2254.2	2431.9	2586.2	2604.9
27.5°	6318.2	6222.4	5850.6	4835.7	3682.9	2298.6	2029.7	2141.9	2279.9	2417.9	2434.2
30°	6909.8	6788.2	6255.1	5039.2	3664.2	2191.0	1992.3	2029.7	2111.5	2223.8	2226.1
32.5°	7602.0	7436.0	6708.7	5214.5	3502.9	2111.5	1940.8	1915.1	1933.8	2020.3	2036.7
35°	8415.7	8200.6	7209.1	5380.6	3208.2	1957.2	1847.3	1760.8	1753.8	1795.9	1835.6
37.5°	9348.7	9091.5	7840.5	5593.3	2859.8	1795.9	1709.3	1622.8	1585.4	1606.4	1667.2
40°	10209.3	9924.0	8499.9	5850.6	2504.4	1650.9	1548.0	1459.1	1414.7	1421.7	1496.5
42.5°	11219.4	10924.8	9306.6	6187.3	2209.7	1552.7	1379.6	1288.4	1230.0	1262.7	1349.2
45°	12753.4	12419.0	10482.8	6479.6	1975.9	1529.3	1232.3	1103.7	1075.6	1131.8	1234.7
47.5°	14848.5	14439.3	12098.6	6657.3	1777.1	1550.3	1129.4	954.0	961.1	1024.2	1127.1
50°	16927.3	16485.4	13967.0	6423.5	1613.5	1508.2	1078.0	837.1	881.6	937.7	1031.2
52.5°	18356.1	17780.8	14876.6	5747.7	1463.8	1349.2	1073.3	727.2	811.4	830.1	909.6
55°	18412.2	17703.7	14411.3	4531.7	1260.4	1138.8	1024.2	636.0	734.2	741.3	809.1
57.5°	16139.3	15498.6	12594.4	3112.3	1120.1	834.8	816.1	556.5	603.3	661.8	703.8
60°	12278.7	11733.9	9418.9	1426.4	851.2	530.8	558.9	479.4	451.3	537.8	579.9
62.5°	7520.1	7171.7	5649.5	631.4	542.5	282.9	339.1	381.2	339.1	371.8	406.9
65°	2986.1	2831.7	2144.3	268.9	222.1	142.6	154.3	222.1	238.5	261.9	294.6
67.5°	519.1	491.1	360.1	119.3	91.2	86.5	74.8	102.9	145.0	161.3	187.1
70°	67.8	65.5	58.5	49.1	46.8	42.1	32.7	65.5	98.2	102.9	119.3
72.5°	16.4	14.0	14.0	11.7	14.0	4.7	4.7	35.1	70.2	72.5	84.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	44.4	49.1	58.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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°	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0
2.5°	2719.5	2672.7	2656.4	2633.0	2602.6	2611.9	2569.9	2555.8	2576.9	2604.9	2597.9
5°	2471.6	2420.2	2385.1	2331.3	2322.0	2300.9	2286.9	2268.2	2291.6	2324.3	2331.3
7.5°	2275.2	2230.8	2195.7	2179.3	2167.7	2158.3	2130.2	2116.2	2116.2	2130.2	2141.9
10°	2191.0	2158.3	2151.3	2156.0	2174.7	2172.3	2146.6	2127.9	2104.5	2092.8	2106.9
12.5°	2308.0	2254.2	2244.8	2247.2	2270.5	2268.2	2240.1	2216.8	2212.1	2216.8	2261.2
15°	2506.7	2424.9	2364.1	2352.4	2364.1	2359.4	2338.4	2324.3	2331.3	2399.2	2474.0
17.5°	2684.4	2558.2	2448.3	2406.2	2403.8	2396.8	2375.8	2371.1	2406.2	2532.4	2642.3
20°	2735.9	2611.9	2455.3	2401.5	2389.8	2382.8	2359.4	2366.4	2410.8	2562.8	2656.4
22.5°	2668.1	2548.8	2385.1	2331.3	2322.0	2319.6	2296.3	2305.6	2343.0	2476.3	2553.5
25°	2539.5	2438.9	2268.2	2221.4	2221.4	2216.8	2195.7	2200.4	2223.8	2340.7	2415.5
27.5°	2382.8	2286.9	2144.3	2097.5	2104.5	2111.5	2085.8	2078.8	2097.5	2207.4	2251.8
30°	2202.7	2134.9	2022.7	1980.6	1978.2	2006.3	1971.2	1961.9	1987.6	2074.1	2083.5
32.5°	2027.4	1994.6	1915.1	1882.4	1884.7	1889.4	1870.7	1870.7	1894.1	1940.8	1938.5
35°	1856.7	1835.6	1821.6	1798.2	1795.9	1786.5	1786.5	1791.2	1816.9	1833.3	1802.9
37.5°	1693.0	1714.0	1730.4	1707.0	1688.3	1688.3	1688.3	1709.3	1732.7	1725.7	1674.3
40°	1548.0	1592.4	1643.9	1618.1	1573.7	1571.4	1580.7	1615.8	1650.9	1608.8	1562.0
42.5°	1424.1	1480.2	1552.7	1538.6	1489.5	1482.5	1489.5	1534.0	1562.0	1508.2	1456.8
45°	1302.5	1372.6	1459.1	1459.1	1405.4	1398.3	1400.7	1459.1	1475.5	1412.4	1346.9
47.5°	1199.6	1276.7	1367.9	1367.9	1323.5	1309.5	1321.2	1382.0	1393.7	1304.8	1244.0
50°	1101.4	1185.5	1286.1	1279.1	1248.7	1237.0	1258.0	1323.5	1309.5	1211.3	1148.1
52.5°	977.4	1066.3	1204.3	1211.3	1194.9	1197.2	1223.0	1265.0	1225.3	1106.0	1052.3
55°	865.2	956.4	1094.3	1131.8	1131.8	1129.4	1141.1	1173.9	1141.1	998.5	933.0
57.5°	743.6	820.8	935.3	944.7	951.7	926.0	942.4	986.8	970.4	848.8	811.4
60°	610.3	675.8	741.3	748.3	717.9	664.1	694.5	745.9	757.6	666.4	624.3
62.5°	432.6	495.7	572.9	572.9	542.5	488.7	528.5	572.9	556.5	463.0	437.3
65°	322.7	381.2	439.6	465.3	439.6	402.2	432.6	465.3	439.6	362.4	325.0
67.5°	208.1	247.9	282.9	304.0	308.7	304.0	318.0	308.7	278.3	226.8	205.8
70°	126.3	147.3	166.0	184.7	198.8	205.8	212.8	191.7	161.3	133.3	126.3
72.5°	91.2	109.9	126.3	140.3	156.7	161.3	161.3	147.3	119.3	93.5	86.5
75°	63.1	79.5	93.5	102.9	116.9	121.6	121.6	109.9	88.9	67.8	60.8
77.5°	2.3	16.4	16.4	14.0	18.7	23.4	23.4	28.1	25.7	18.7	16.4
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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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0
2.5°	2611.9	2696.1	2719.5	2806.0	2883.2	2960.4	3053.9	3110.0	3194.2	3252.7	3285.4
5°	2354.7	2424.9	2509.1	2637.7	2770.9	2918.3	3096.0	3250.3	3444.4	3587.0	3633.8
7.5°	2167.7	2258.9	2357.1	2518.4	2700.8	2897.2	3147.4	3400.0	3696.9	3891.0	4015.0
10°	2132.6	2226.1	2357.1	2516.1	2707.8	2932.3	3238.6	3566.0	3937.8	4174.0	4314.3
12.5°	2300.9	2401.5	2457.6	2530.1	2675.1	2925.3	3318.1	3734.4	4171.6	4428.8	4578.5
15°	2548.8	2637.7	2546.5	2455.3	2548.8	2850.5	3362.6	3874.7	4377.4	4674.4	4828.7
17.5°	2719.5	2726.5	2527.8	2333.7	2359.4	2714.8	3378.9	4015.0	4597.2	4908.2	5069.6
20°	2703.1	2647.0	2445.9	2230.8	2151.3	2539.5	3360.2	4138.9	4819.3	5144.4	5303.4
22.5°	2576.9	2511.4	2340.7	2130.2	1975.9	2331.3	3327.5	4251.1	5022.8	5392.2	5541.9
25°	2424.9	2354.7	2214.4	2029.7	1863.7	2130.2	3301.8	4405.5	5280.0	5714.9	5831.9
27.5°	2247.2	2186.4	2067.1	1933.8	1816.9	1978.2	3294.7	4608.9	5591.0	6107.8	6189.6
30°	2074.1	2018.0	1924.5	1847.3	1798.2	1889.4	3271.4	4826.4	5962.8	6559.1	6647.9
32.5°	1908.1	1852.0	1793.5	1781.8	1784.2	1856.7	3191.9	5041.5	6404.8	7213.8	7279.3
35°	1765.5	1700.0	1676.6	1704.7	1756.1	1800.5	2967.4	5219.2	6879.4	7927.0	7980.8
37.5°	1629.8	1564.4	1562.0	1629.8	1686.0	1714.0	2703.1	5394.6	7520.1	8651.9	8719.7
40°	1505.9	1440.4	1463.8	1545.7	1590.1	1604.1	2382.8	5661.2	8198.3	9416.6	9379.1
42.5°	1400.7	1332.9	1346.9	1452.1	1491.9	1529.3	2088.2	5883.3	8850.7	10141.4	10129.7
45°	1297.8	1246.3	1237.0	1351.6	1386.6	1536.3	1873.0	6054.0	9690.1	11065.1	11083.8
47.5°	1197.2	1157.5	1159.8	1208.9	1295.4	1571.4	1690.6	6166.2	10908.4	12528.9	12203.9
50°	1106.0	1075.6	1101.4	1045.2	1237.0	1526.9	1534.0	6142.9	12269.3	13931.9	13279.5
52.5°	1005.5	998.5	1010.2	874.5	1143.5	1346.9	1386.6	5831.9	12907.7	14890.6	14518.8
55°	902.6	900.3	806.7	699.2	956.4	1075.6	1187.9	4866.1	12886.7	15400.4	15851.7
57.5°	781.0	762.3	612.6	570.6	743.6	748.3	1082.7	3187.2	11420.5	14179.8	15115.1
60°	591.6	577.6	449.0	463.0	519.1	479.4	862.9	1587.7	8535.0	11046.4	12101.0
62.5°	409.2	390.5	334.4	357.8	334.4	273.6	528.5	785.7	5170.1	6975.3	7931.7
65°	299.3	278.3	229.2	196.4	156.7	156.7	201.1	301.6	2001.6	2965.0	3575.3
67.5°	184.7	175.4	135.6	98.2	95.9	102.9	105.2	149.7	322.7	514.4	629.0
70°	119.3	109.9	91.2	63.1	58.5	60.8	63.1	70.2	81.8	88.9	107.6
72.5°	81.8	77.2	65.5	35.1	28.1	30.4	32.7	32.7	39.8	37.4	44.4
75°	58.5	53.8	46.8	16.4	9.4	11.7	14.0	11.7	14.0	9.4	11.7
77.5°	16.4	16.4	11.7	2.3	0.0	2.3	4.7	4.7	2.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	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: P642604

CATALOG NUMBER: GWS-SA6D-730-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0	2972.0
2.5°	3369.6	3423.4	3444.4	3414.0	3439.7	3397.6	3381.3	3318.1	3313.4	3301.8
5°	3823.2	3944.8	4017.3	4061.7	4010.3	3954.2	3870.0	3725.0	3680.6	3652.5
7.5°	4269.8	4459.2	4583.2	4641.6	4627.6	4513.0	4361.0	4117.8	4031.3	3989.2
10°	4658.0	4889.5	5039.2	5111.6	5081.2	4980.7	4763.2	4459.2	4344.7	4318.9
12.5°	4929.3	5142.0	5244.9	5308.1	5310.4	5270.7	5064.9	4758.6	4622.9	4590.2
15°	5100.0	5191.1	5193.5	5230.9	5296.4	5385.2	5289.4	5018.1	4873.1	4824.0
17.5°	5207.5	5107.0	5004.1	5013.4	5121.0	5357.2	5455.4	5247.3	5092.9	5039.2
20°	5284.7	4966.7	4774.9	4777.3	4887.2	5244.9	5570.0	5469.4	5310.4	5261.3
22.5°	5333.8	4842.7	4569.1	4562.1	4679.0	5111.6	5675.2	5733.6	5577.0	5520.9
25°	5434.3	4784.3	4445.2	4485.0	4587.9	5069.6	5817.8	6084.4	5939.4	5864.6
27.5°	5614.4	4842.7	4433.5	4524.7	4641.6	5193.5	6065.7	6552.1	6402.4	6318.2
30°	5925.4	5062.5	4613.6	4739.8	4880.1	5518.5	6481.9	7204.5	6989.3	6909.8
32.5°	6425.8	5518.5	5170.1	5441.3	5577.0	6051.7	7106.3	7936.4	7761.0	7602.0
35°	7115.6	6559.1	6519.3	7150.7	7117.9	7061.8	7873.2	8834.3	8570.1	8415.7
37.5°	8065.0	8233.3	8528.0	9154.7	9133.6	8705.7	8881.1	9683.1	9547.5	9348.7
40°	9250.5	9608.3	10108.7	11006.6	10726.0	10188.2	10118.1	10553.0	10443.1	10209.3
42.5°	9949.7	10567.0	11521.1	12327.8	12103.3	11163.3	11083.8	11715.2	11474.3	11219.4
45°	10274.7	11348.0	13218.7	14310.7	13630.3	11811.0	11780.6	13230.4	13094.8	12753.4
47.5°	10424.4	12136.1	15206.3	16859.5	15587.5	12379.2	12269.3	15428.5	15250.7	14848.5
50°	10590.4	13223.4	17600.8	19812.9	17951.5	13022.3	13101.8	17476.9	17402.0	16927.3
52.5°	10955.2	14373.9	20549.5	23189.5	20818.4	14030.1	14530.5	19408.3	18903.3	18356.1
55°	11502.4	15627.2	23617.4	26638.5	23743.6	15384.0	16076.2	20434.9	19017.8	18412.2
57.5°	10896.7	15940.6	25434.3	29047.0	25041.4	15388.7	14769.0	18655.4	16726.2	16139.3
60°	8647.2	14829.8	24735.1	28525.6	23935.4	13665.3	11308.3	14565.6	12671.5	12278.7
62.5°	5845.9	12437.7	21774.8	24124.8	20486.3	10749.4	7349.4	9472.7	7845.2	7520.1
65°	3203.5	9278.6	17593.8	18250.9	16034.1	7508.5	3781.1	4110.8	3131.1	2986.1
67.5°	883.9	6458.5	12945.1	12108.0	11249.8	4889.5	977.4	734.2	523.8	519.1
70°	222.1	4272.2	7756.3	7994.8	6898.1	3131.1	187.1	88.9	70.2	67.8
72.5°	93.5	1837.9	3680.6	4230.1	3530.9	1449.8	67.8	25.7	21.0	16.4
75°	11.7	147.3	313.3	474.7	325.0	156.7	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)