

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: P642824

Luminaire Tested: GWS-SA6D-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642824  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

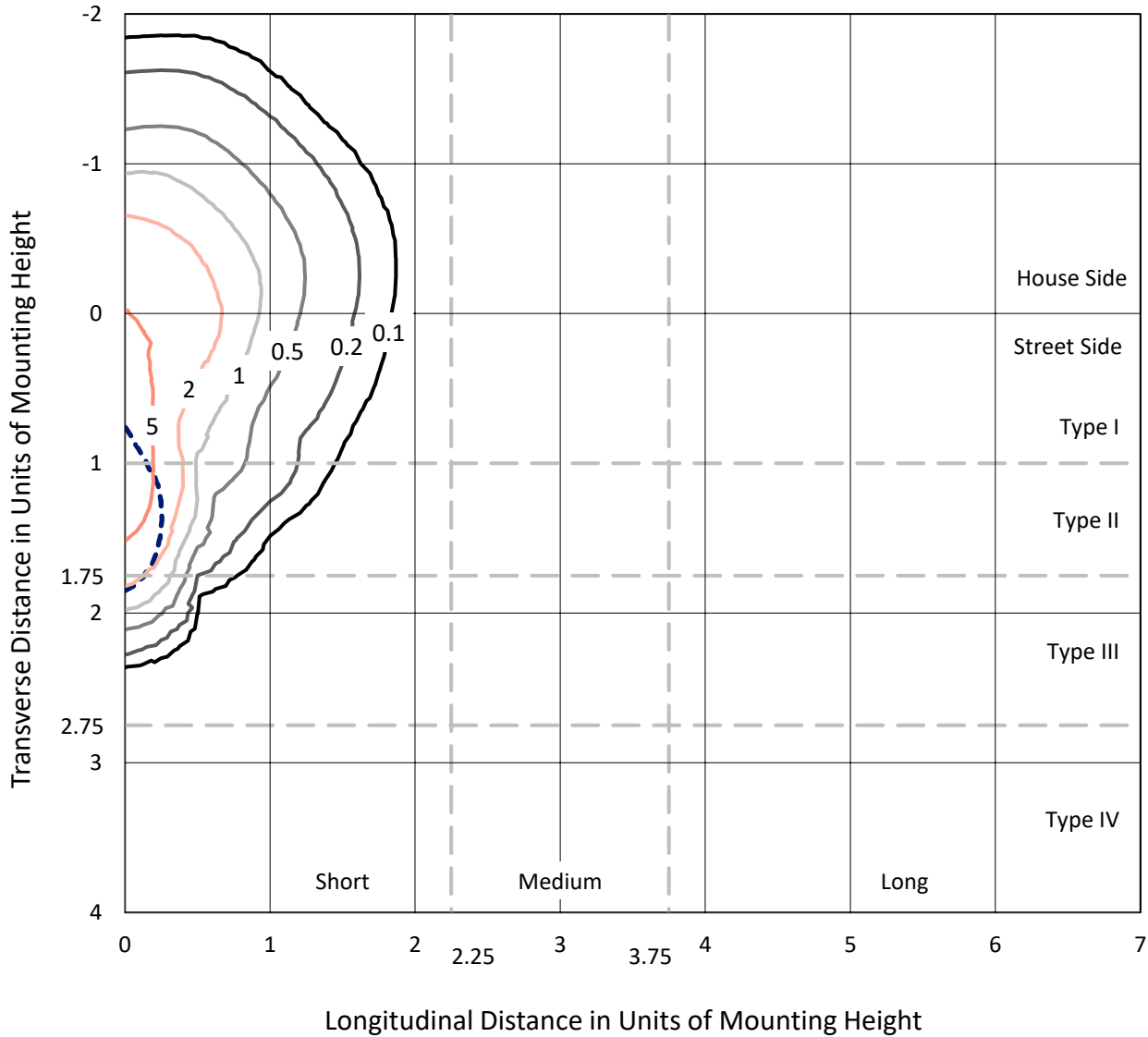
Lumens per Lamp: N/A  
Luminaire Lumens: 19379.2 lumens  
Efficiency: N/A  
Efficacy: 78.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

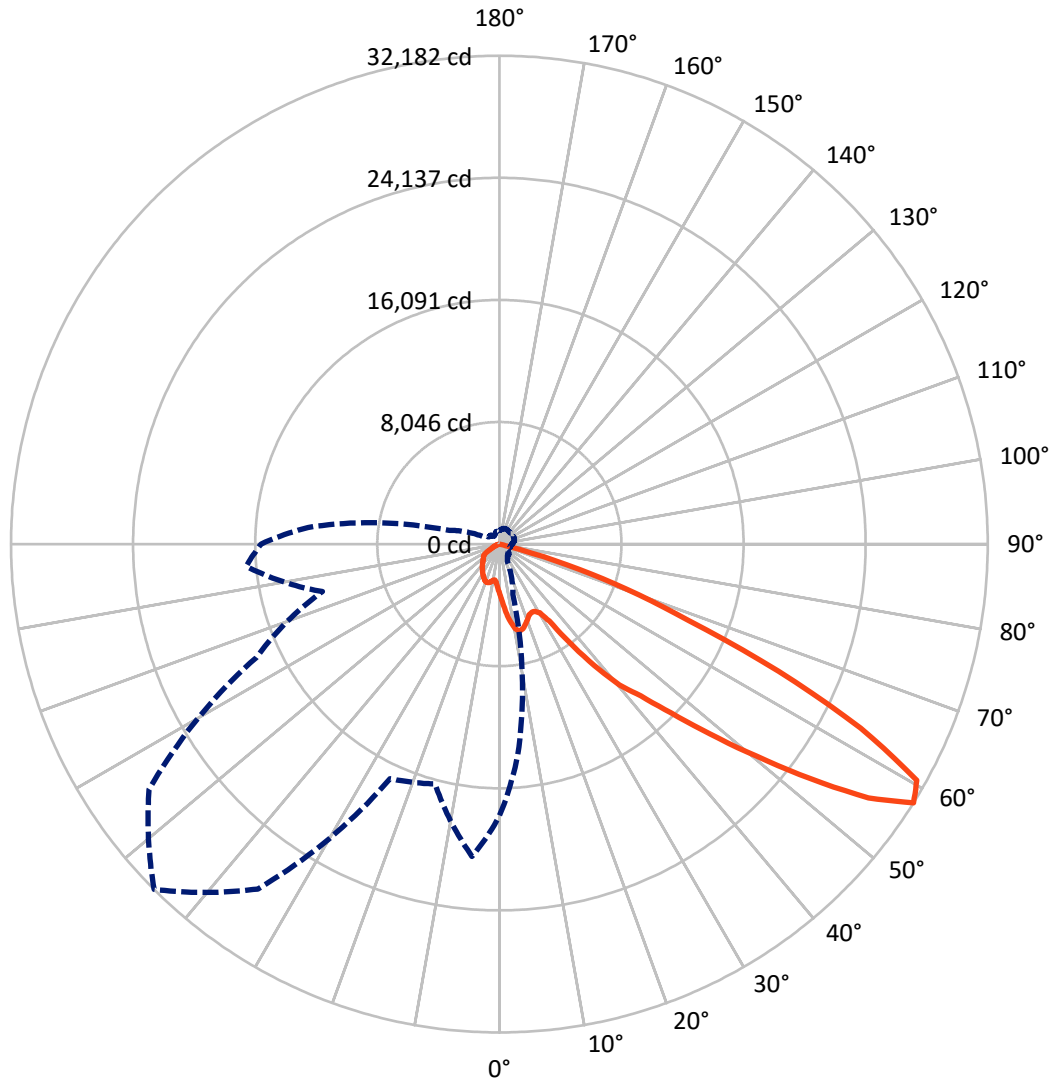
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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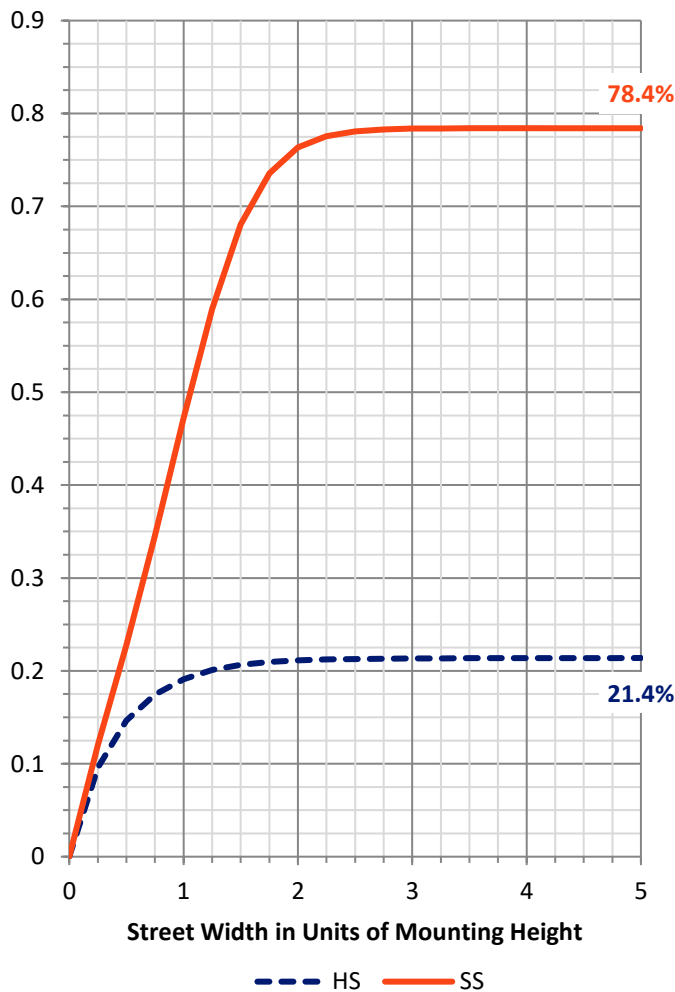
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4174.9	0.0	4174.9
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	15204.3	0.0	15204.3
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	19379.2	0.0	19379.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	325.5	1.7
10°-20°	1070.9	5.5
20°-30°	1738.0	9.0
30°-40°	2667.4	13.8
40°-50°	4260.0	22.0
50°-60°	5964.8	30.8
60°-70°	3058.3	15.8
70°-80°	294.4	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°	19379.2	100.0
0°-180°	19379.2	100.0

**Coefficient of Utilization**



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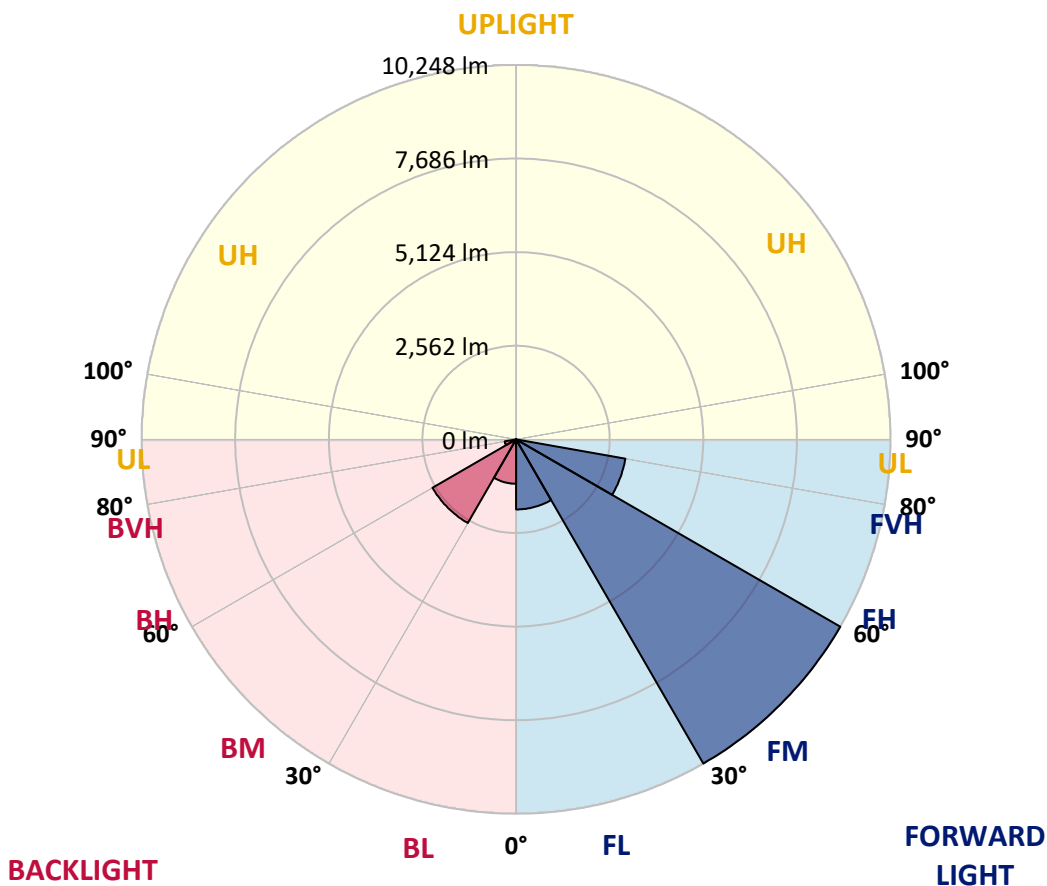
CATALOG NUMBER: GWS-SA6D-760-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1918.7	9.9			
FM (30°-60°)	10248.2	52.9			
FH (60°-80°)	3037.4	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1215.7	6.3	B3/2500		
BM (30°-60°)	2643.9	13.6	B3/5000		
BH (60°-80°)	315.3	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°	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8
2.5°	3658.1	3650.3	3624.4	3536.3	3481.9	3396.4	3334.3	3254.0	3165.9	3111.5	3057.1
5°	4046.7	4026.0	3956.0	3754.0	3598.5	3430.1	3295.4	3147.7	2989.7	2886.1	2790.2
7.5°	4419.8	4388.7	4295.4	3953.4	3717.7	3476.8	3285.0	3070.0	2847.2	2691.8	2572.6
10°	4785.1	4715.1	4567.5	4147.8	3829.1	3538.9	3313.5	3067.4	2805.8	2608.9	2476.7
12.5°	5085.6	5033.8	4831.7	4331.7	3922.4	3551.9	3274.7	3046.7	2870.5	2738.4	2616.6
15°	5344.7	5287.7	5096.0	4497.5	4002.7	3500.1	3111.5	2912.0	2940.5	2992.3	2888.7
17.5°	5583.0	5523.4	5316.2	4634.8	4033.8	3373.1	2883.5	2787.6	2945.7	3140.0	3101.1
20°	5829.1	5761.8	5507.9	4746.2	4023.4	3173.6	2652.9	2681.4	2904.2	3127.0	3147.7
22.5°	6116.7	6046.8	5751.4	4888.7	4015.6	2935.3	2453.4	2588.1	2826.5	3015.6	3051.9
25°	6497.5	6414.6	6090.8	5098.5	4036.4	2717.7	2310.9	2497.5	2694.4	2865.3	2886.1
27.5°	7000.1	6893.9	6482.0	5357.6	4080.4	2546.7	2248.8	2373.1	2526.0	2678.8	2696.9
30°	7655.6	7520.9	6930.2	5583.0	4059.7	2427.5	2207.3	2248.8	2339.4	2463.8	2466.4
32.5°	8422.5	8238.5	7432.8	5777.3	3880.9	2339.4	2150.3	2121.8	2142.5	2238.4	2256.5
35°	9324.0	9085.7	7987.2	5961.3	3554.5	2168.4	2046.7	1950.8	1943.0	1989.7	2033.7
37.5°	10357.7	10072.7	8686.7	6197.0	3168.5	1989.7	1893.8	1798.0	1756.5	1779.8	1847.2
40°	11311.1	10995.0	9417.3	6482.0	2774.7	1829.1	1715.1	1616.6	1567.4	1575.2	1658.1
42.5°	12430.3	12103.9	10311.1	6855.1	2448.2	1720.2	1528.5	1427.5	1362.7	1399.0	1494.8
45°	14129.8	13759.3	11614.2	7178.9	2189.2	1694.3	1365.3	1222.8	1191.7	1253.9	1367.9
47.5°	16451.1	15997.7	13404.4	7375.8	1969.0	1717.7	1251.3	1057.0	1064.8	1134.7	1248.7
50°	18754.3	18264.6	15474.4	7116.7	1787.6	1671.0	1194.3	927.5	976.7	1038.9	1142.5
52.5°	20337.2	19699.9	16482.2	6368.0	1621.8	1494.8	1189.1	805.7	899.0	919.7	1007.8
55°	20399.4	19614.4	15966.6	5020.8	1396.4	1261.7	1134.7	704.7	813.5	821.3	896.4
57.5°	17881.2	17171.3	13953.7	3448.3	1241.0	924.9	904.2	616.6	668.4	733.2	779.8
60°	13603.9	13000.3	10435.4	1580.3	943.0	588.1	619.2	531.1	500.0	595.9	642.5
62.5°	8331.8	7945.8	6259.2	699.5	601.0	313.5	375.7	422.3	375.7	411.9	450.8
65°	3308.4	3137.4	2375.7	297.9	246.1	158.0	171.0	246.1	264.3	290.2	326.4
67.5°	575.1	544.1	399.0	132.1	101.0	95.9	82.9	114.0	160.6	178.8	207.3
70°	75.1	72.5	64.8	54.4	51.8	46.6	36.3	72.5	108.8	114.0	132.1
72.5°	18.1	15.5	15.5	13.0	15.5	5.2	5.2	38.9	77.7	80.3	93.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	49.2	54.4	64.8
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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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8
2.5°	3013.0	2961.2	2943.1	2917.2	2883.5	2893.8	2847.2	2831.7	2855.0	2886.1	2878.3
5°	2738.4	2681.4	2642.5	2583.0	2572.6	2549.3	2533.7	2513.0	2538.9	2575.2	2583.0
7.5°	2520.8	2471.6	2432.7	2414.6	2401.6	2391.2	2360.2	2344.6	2344.6	2360.2	2373.1
10°	2427.5	2391.2	2383.5	2388.6	2409.4	2406.8	2378.3	2357.6	2331.7	2318.7	2334.2
12.5°	2557.0	2497.5	2487.1	2489.7	2515.6	2513.0	2481.9	2456.0	2450.8	2456.0	2505.2
15°	2777.3	2686.6	2619.2	2606.3	2619.2	2614.0	2590.7	2575.2	2583.0	2658.1	2741.0
17.5°	2974.2	2834.3	2712.5	2665.9	2663.3	2655.5	2632.2	2627.0	2665.9	2805.8	2927.5
20°	3031.1	2893.8	2720.3	2660.7	2647.7	2640.0	2614.0	2621.8	2671.0	2839.4	2943.1
22.5°	2956.0	2823.9	2642.5	2583.0	2572.6	2570.0	2544.1	2554.5	2595.9	2743.6	2829.1
25°	2813.5	2702.1	2513.0	2461.2	2461.2	2456.0	2432.7	2437.9	2463.8	2593.3	2676.2
27.5°	2640.0	2533.7	2375.7	2323.9	2331.7	2339.4	2310.9	2303.2	2323.9	2445.6	2494.9
30°	2440.5	2365.3	2241.0	2194.3	2191.8	2222.8	2184.0	2173.6	2202.1	2298.0	2308.3
32.5°	2246.2	2209.9	2121.8	2085.5	2088.1	2093.3	2072.6	2072.6	2098.5	2150.3	2147.7
35°	2057.0	2033.7	2018.2	1992.3	1989.7	1979.3	1979.3	1984.5	2013.0	2031.1	1997.5
37.5°	1875.7	1899.0	1917.1	1891.2	1870.5	1870.5	1870.5	1893.8	1919.7	1912.0	1855.0
40°	1715.1	1764.3	1821.3	1792.8	1743.6	1741.0	1751.3	1790.2	1829.1	1782.4	1730.6
42.5°	1577.8	1639.9	1720.2	1704.7	1650.3	1642.5	1650.3	1699.5	1730.6	1671.0	1614.0
45°	1443.0	1520.8	1616.6	1616.6	1557.0	1549.3	1551.8	1616.6	1634.7	1564.8	1492.3
47.5°	1329.0	1414.5	1515.6	1515.6	1466.4	1450.8	1463.8	1531.1	1544.1	1445.6	1378.3
50°	1220.2	1313.5	1424.9	1417.1	1383.4	1370.5	1393.8	1466.4	1450.8	1342.0	1272.0
52.5°	1082.9	1181.4	1334.2	1342.0	1323.9	1326.5	1354.9	1401.6	1357.5	1225.4	1165.8
55°	958.6	1059.6	1212.5	1253.9	1253.9	1251.3	1264.3	1300.5	1264.3	1106.2	1033.7
57.5°	823.9	909.3	1036.3	1046.7	1054.4	1025.9	1044.1	1093.3	1075.2	940.4	899.0
60°	676.2	748.7	821.3	829.0	795.4	735.8	769.4	826.4	839.4	738.4	691.7
62.5°	479.3	549.2	634.7	634.7	601.0	541.5	585.5	634.7	616.6	513.0	484.5
65°	357.5	422.3	487.1	515.6	487.1	445.6	479.3	515.6	487.1	401.6	360.1
67.5°	230.6	274.6	313.5	336.8	342.0	336.8	352.3	342.0	308.3	251.3	228.0
70°	139.9	163.2	183.9	204.7	220.2	228.0	235.8	212.4	178.8	147.7	139.9
72.5°	101.0	121.8	139.9	155.4	173.6	178.8	178.8	163.2	132.1	103.6	95.9
75°	69.9	88.1	103.6	114.0	129.5	134.7	134.7	121.8	98.4	75.1	67.4
77.5°	2.6	18.1	18.1	15.5	20.7	25.9	25.9	31.1	28.5	20.7	18.1
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8
2.5°	2893.8	2987.1	3013.0	3108.9	3194.4	3279.9	3383.5	3445.7	3538.9	3603.7	3640.0
5°	2608.9	2686.6	2779.8	2922.3	3070.0	3233.2	3430.1	3601.1	3816.1	3974.2	4026.0
7.5°	2401.6	2502.6	2611.5	2790.2	2992.3	3209.9	3487.1	3766.9	4095.9	4311.0	4448.3
10°	2362.7	2466.4	2611.5	2787.6	3000.1	3248.8	3588.2	3950.9	4362.8	4624.4	4779.9
12.5°	2549.3	2660.7	2722.9	2803.2	2963.8	3241.0	3676.2	4137.4	4621.9	4906.8	5072.6
15°	2823.9	2922.3	2821.3	2720.3	2823.9	3158.1	3725.5	4292.8	4849.8	5178.9	5349.8
17.5°	3013.0	3020.8	2800.6	2585.5	2614.0	3007.8	3743.6	4448.3	5093.4	5437.9	5616.7
20°	2994.9	2932.7	2709.9	2471.6	2383.5	2813.5	3722.9	4585.6	5339.5	5699.6	5875.8
22.5°	2855.0	2782.4	2593.3	2360.2	2189.2	2583.0	3686.6	4709.9	5564.9	5974.2	6140.0
25°	2686.6	2608.9	2453.4	2248.8	2064.8	2360.2	3658.1	4880.9	5849.9	6331.7	6461.3
27.5°	2489.7	2422.3	2290.2	2142.5	2013.0	2191.8	3650.3	5106.3	6194.4	6767.0	6857.7
30°	2298.0	2235.8	2132.2	2046.7	1992.3	2093.3	3624.4	5347.3	6606.4	7267.0	7365.4
32.5°	2114.0	2051.9	1987.1	1974.1	1976.7	2057.0	3536.3	5585.6	7096.0	7992.4	8064.9
35°	1956.0	1883.5	1857.6	1888.6	1945.6	1994.9	3287.6	5782.5	7621.9	8782.6	8842.1
37.5°	1805.7	1733.2	1730.6	1805.7	1867.9	1899.0	2994.9	5976.8	8331.8	9585.7	9660.8
40°	1668.4	1595.9	1621.8	1712.5	1761.7	1777.2	2640.0	6272.1	9083.1	10432.9	10391.4
42.5°	1551.8	1476.7	1492.3	1608.8	1652.9	1694.3	2313.5	6518.3	9805.9	11236.0	11223.0
45°	1437.9	1380.9	1370.5	1497.4	1536.3	1702.1	2075.2	6707.4	10736.0	12259.3	12280.0
47.5°	1326.5	1282.4	1285.0	1339.4	1435.3	1741.0	1873.1	6831.7	12085.7	13881.1	13521.0
50°	1225.4	1191.7	1220.2	1158.1	1370.5	1691.7	1699.5	6805.8	13593.5	15435.5	14712.7
52.5°	1114.0	1106.2	1119.2	968.9	1266.9	1492.3	1536.3	6461.3	14300.8	16497.7	16085.8
55°	1000.0	997.4	893.8	774.6	1059.6	1191.7	1316.1	5391.3	14277.5	17062.5	17562.5
57.5°	865.3	844.6	678.8	632.1	823.9	829.0	1199.5	3531.2	12653.1	15710.2	16746.5
60°	655.5	639.9	497.4	513.0	575.1	531.1	956.0	1759.1	9456.2	12238.6	13407.0
62.5°	453.4	432.7	370.5	396.4	370.5	303.1	585.5	870.5	5728.1	7728.1	8787.7
65°	331.6	308.3	253.9	217.6	173.6	173.6	222.8	334.2	2217.7	3285.0	3961.2
67.5°	204.7	194.3	150.3	108.8	106.2	114.0	116.6	165.8	357.5	570.0	696.9
70°	132.1	121.8	101.0	69.9	64.8	67.4	69.9	77.7	90.7	98.4	119.2
72.5°	90.7	85.5	72.5	38.9	31.1	33.7	36.3	36.3	44.0	41.5	49.2
75°	64.8	59.6	51.8	18.1	10.4	13.0	15.5	13.0	15.5	10.4	13.0
77.5°	18.1	18.1	13.0	2.6	0.0	2.6	5.2	5.2	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: P642824

CATALOG NUMBER: GWS-SA6D-760-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8	3292.8
2.5°	3733.2	3792.8	3816.1	3782.5	3811.0	3764.3	3746.2	3676.2	3671.1	3658.1
5°	4235.8	4370.6	4450.9	4500.1	4443.1	4380.9	4287.7	4127.0	4077.8	4046.7
7.5°	4730.7	4940.5	5077.8	5142.6	5127.0	5000.1	4831.7	4562.3	4466.4	4419.8
10°	5160.7	5417.2	5583.0	5663.3	5629.6	5518.2	5277.3	4940.5	4813.6	4785.1
12.5°	5461.3	5697.0	5811.0	5880.9	5883.5	5839.5	5611.5	5272.1	5121.9	5085.6
15°	5650.4	5751.4	5754.0	5795.5	5868.0	5966.4	5860.2	5559.7	5399.1	5344.7
17.5°	5769.5	5658.1	5544.2	5554.5	5673.7	5935.4	6044.2	5813.6	5642.6	5583.0
20°	5855.0	5502.7	5290.3	5292.9	5414.6	5811.0	6171.1	6059.7	5883.5	5829.1
22.5°	5909.4	5365.4	5062.3	5054.5	5184.0	5663.3	6287.7	6352.5	6178.9	6116.7
25°	6020.8	5300.6	4925.0	4969.0	5083.0	5616.7	6445.7	6741.1	6580.4	6497.5
27.5°	6220.3	5365.4	4912.0	5013.1	5142.6	5754.0	6720.3	7259.2	7093.4	7000.1
30°	6564.9	5608.9	5111.5	5251.4	5406.8	6114.1	7181.5	7982.0	7743.7	7655.6
32.5°	7119.3	6114.1	5728.1	6028.6	6178.9	6704.8	7873.2	8792.9	8598.6	8422.5
35°	7883.6	7267.0	7222.9	7922.4	7886.2	7824.0	8723.0	9787.8	9495.0	9324.0
37.5°	8935.4	9121.9	9448.4	10142.7	10119.4	9645.3	9839.6	10728.2	10577.9	10357.7
40°	10248.9	10645.3	11199.7	12194.5	11883.7	11287.8	11210.1	11691.9	11570.2	11311.1
42.5°	11023.5	11707.5	12764.5	13658.3	13409.6	12368.1	12280.0	12979.5	12712.7	12430.3
45°	11383.7	12572.8	14645.4	15855.2	15101.3	13085.8	13052.1	14658.3	14508.1	14129.8
47.5°	11549.5	13445.9	16847.5	18679.1	17269.8	13715.3	13593.5	17093.6	16896.7	16451.1
50°	11733.4	14650.6	19500.4	21951.2	19889.0	14427.8	14515.8	19363.1	19280.2	18754.3
52.5°	12137.6	15925.2	22767.3	25692.2	23065.2	15544.4	16098.8	21503.0	20943.4	20337.2
55°	12743.8	17313.8	26166.3	29513.6	26306.2	17044.4	17811.2	22640.4	21070.4	20399.4
57.5°	12072.8	17661.0	28179.3	32182.0	27744.1	17049.6	16363.0	20668.8	18531.5	17881.2
60°	9580.5	16430.4	27404.7	31604.3	26518.7	15140.2	12528.8	16137.6	14039.1	13603.9
62.5°	6476.8	13780.1	24124.8	26728.5	22697.4	11909.6	8142.7	10495.0	8691.9	8331.8
65°	3549.3	10280.0	19492.6	20220.6	17764.6	8318.8	4189.2	4554.5	3469.0	3308.4
67.5°	979.3	7155.6	14342.3	13414.8	12464.0	5417.2	1082.9	813.5	580.3	575.1
70°	246.1	4733.3	8593.4	8857.7	7642.6	3469.0	207.3	98.4	77.7	75.1
72.5°	103.6	2036.3	4077.8	4686.6	3912.0	1606.3	75.1	28.5	23.3	18.1
75°	13.0	163.2	347.2	525.9	360.1	173.6	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)