

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: P642333

Luminaire Tested: GWS-SA6C-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-760-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

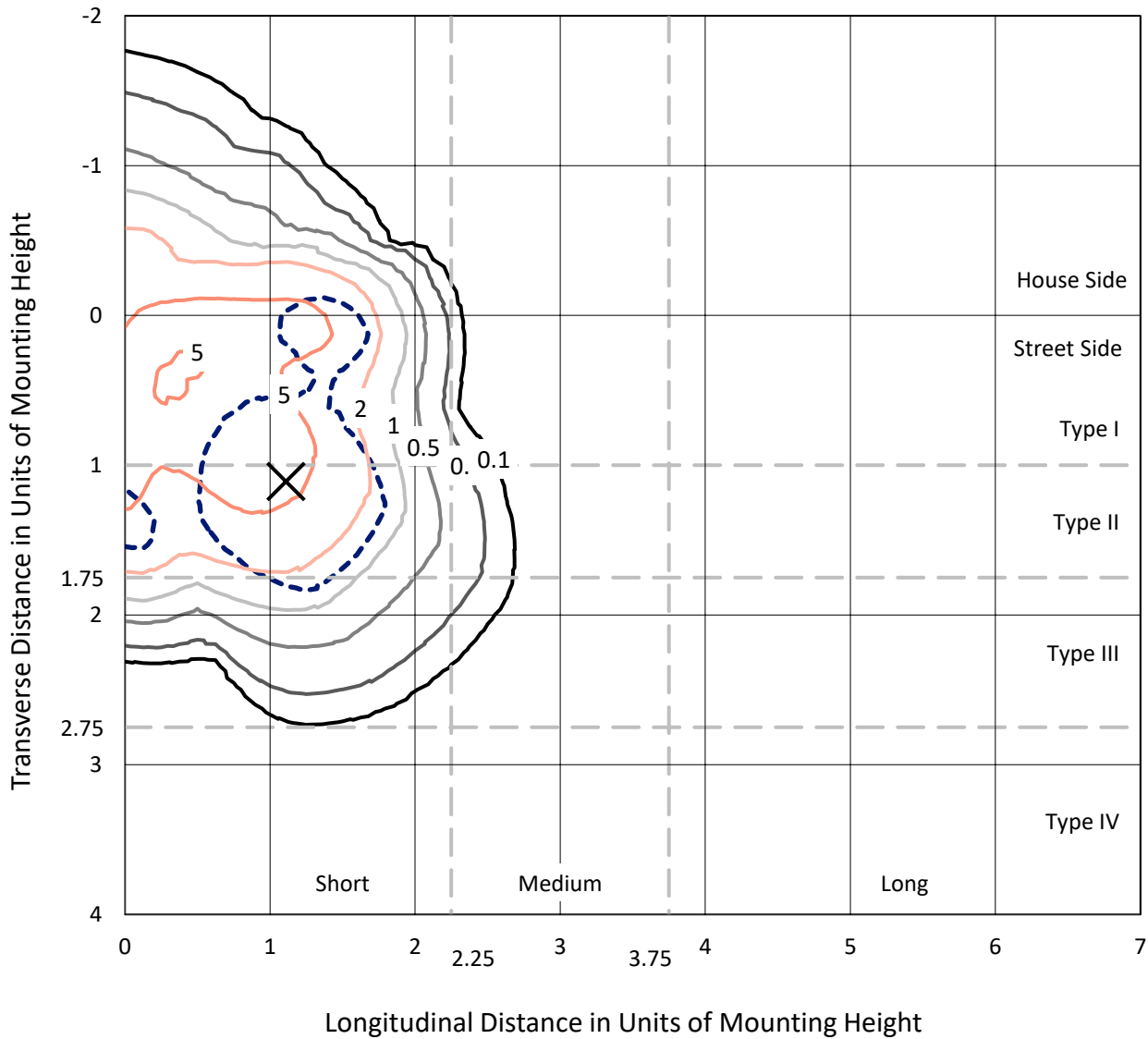
Lumens per Lamp: N/A  
Luminaire Lumens: 15283.2 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

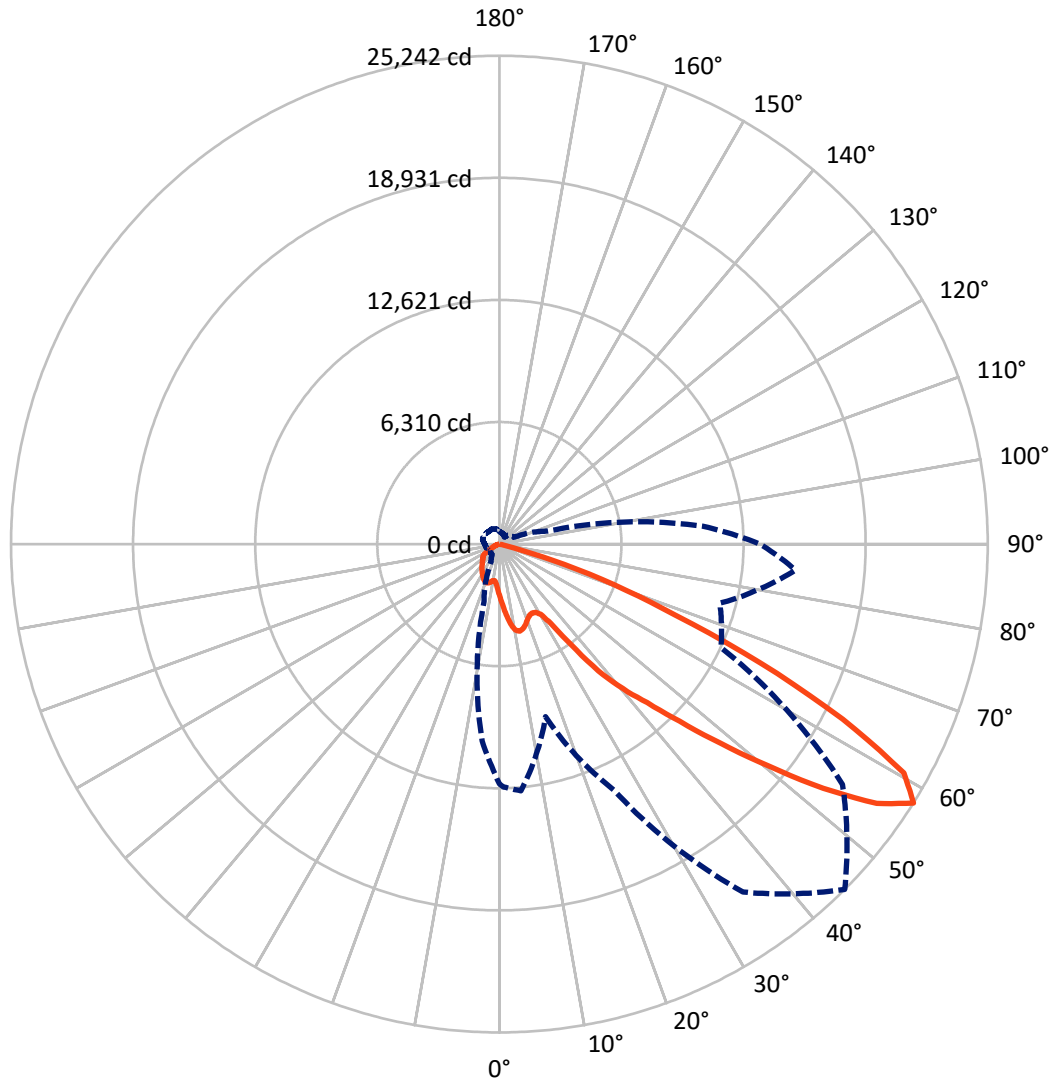
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3422.3	0.0	3422.3
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	11860.9	0.0	11860.9
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	15283.2	0.0	15283.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.3	1.7
10°-20°	854.9	5.6
20°-30°	1388.7	9.1
30°-40°	2145.7	14.0
40°-50°	3440.6	22.5
50°-60°	4702.4	30.8
60°-70°	2277.5	14.9
70°-80°	208.5	1.4
80°-90°	0.6	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°	15283.2	100.0
0°-180°	15283.2	100.0

**Coefficient of Utilization**



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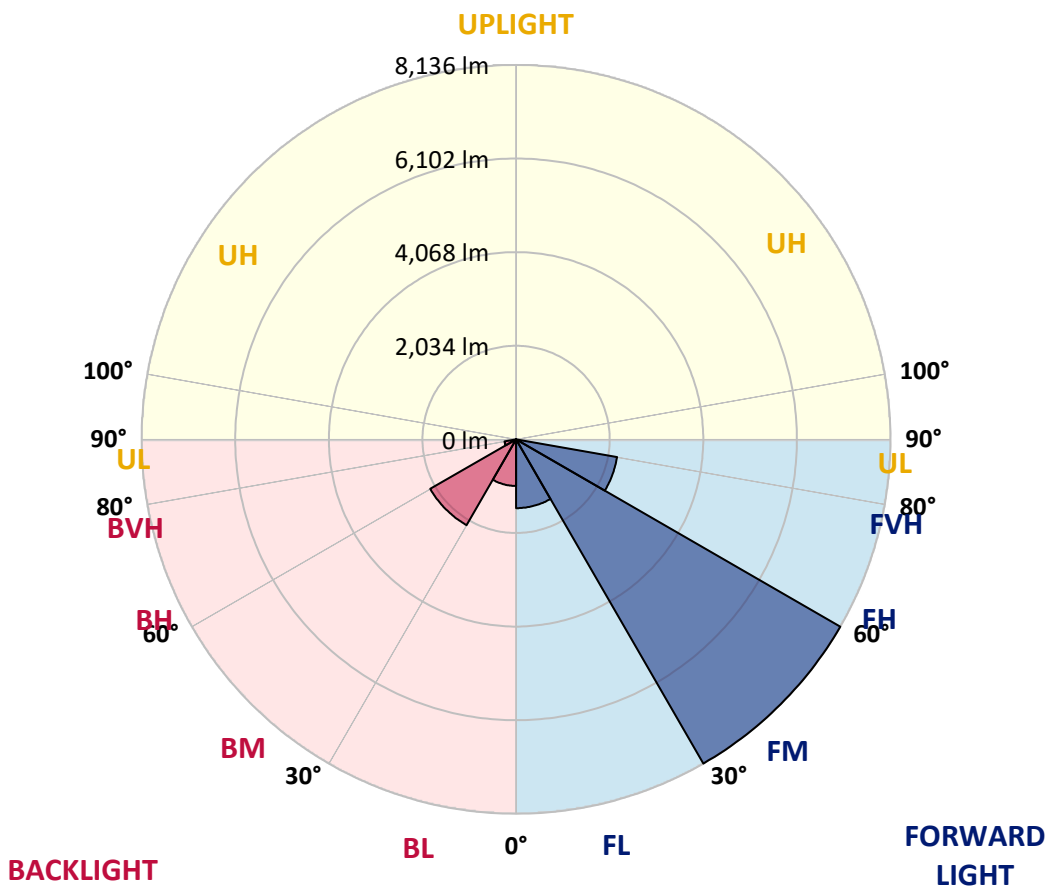
CATALOG NUMBER: GWS-SA6C-760-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1495.2	9.8			
FM (30°-60°)	8135.6	53.2			
FH (60°-80°)	2229.5	14.6			G2/5000
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1012.6	6.6	B3/2500		
BM (30°-60°)	2153.2	14.1	B2/2500		
BH (60°-80°)	256.5	1.7	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°	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2
2.5°	2910.0	2928.5	2959.3	3025.0	3080.5	3117.5	3133.9	3129.8	3107.2	3090.8	3057.9
5°	3222.2	3222.2	3281.7	3431.7	3546.7	3618.5	3655.5	3632.9	3587.7	3515.9	3405.0
7.5°	3495.3	3505.6	3606.2	3819.8	3994.4	4097.1	4156.6	4144.3	4064.2	3926.6	3704.8
10°	3708.9	3721.2	3854.7	4115.5	4320.9	4425.6	4513.9	4522.2	4433.9	4251.1	3996.4
12.5°	3916.3	3928.7	4068.3	4318.8	4499.6	4542.7	4620.7	4651.5	4628.9	4499.6	4234.6
15°	4140.2	4168.9	4288.0	4474.9	4550.9	4499.6	4550.9	4606.4	4682.3	4670.0	4431.8
17.5°	4359.9	4380.5	4501.6	4567.3	4483.1	4349.7	4374.3	4440.0	4612.5	4780.9	4626.9
20°	4563.2	4592.0	4692.6	4606.4	4351.7	4144.3	4146.3	4232.6	4495.5	4848.7	4826.1
22.5°	4776.8	4819.9	4891.8	4649.5	4230.5	3982.0	3992.3	4070.4	4403.0	4912.4	5052.0
25°	5056.1	5097.2	5144.4	4756.3	4191.5	3902.0	3941.0	4012.9	4403.0	5021.2	5331.3
27.5°	5434.0	5462.7	5464.8	4955.5	4259.3	3914.3	3996.4	4078.6	4534.5	5238.9	5705.1
30°	5908.4	5953.6	5894.0	5265.6	4470.8	4078.6	4199.7	4302.4	4817.9	5606.5	6255.4
32.5°	6485.5	6549.1	6469.0	5725.6	4912.4	4645.4	4865.1	4924.7	5269.7	6138.4	6879.8
35°	7163.2	7216.6	7130.3	6362.2	5943.3	5992.6	6391.0	6315.0	6177.4	6793.5	7608.8
37.5°	7906.6	7955.9	7789.5	7327.5	7467.1	7680.7	8317.3	8056.5	7612.9	7637.6	8399.5
40°	8588.4	8641.8	8381.0	8376.9	8664.4	9054.6	9822.7	9463.3	8859.5	8742.4	9140.8
42.5°	9294.9	9331.8	9095.7	8935.5	9588.5	10391.5	11204.8	10720.1	9685.1	9557.7	10069.1
45°	10303.2	10381.2	9960.2	9210.7	10420.3	11929.7	13063.3	12116.6	10247.8	10145.1	11490.2
47.5°	11786.0	11843.5	10985.0	9383.2	11194.5	13845.8	15386.0	13927.9	10742.7	10508.6	13433.0
50°	13012.0	13051.0	11927.7	9572.1	12018.0	15911.8	18033.2	16076.0	11299.2	11110.3	15246.4
52.5°	13915.6	14063.5	13166.0	9960.2	13100.3	18341.2	20963.8	18620.5	12167.9	12272.7	16749.6
55°	14102.5	14303.7	14012.1	10198.5	14053.2	20815.9	23670.5	20898.0	13034.6	13153.7	17254.8
57.5°	12393.8	12554.0	12796.4	9237.4	14030.6	21949.5	25241.5	21653.8	12640.3	11796.2	15363.4
60°	9284.6	9395.5	9835.0	7060.5	12903.1	20947.3	24017.5	20368.2	11052.8	9001.2	11705.9
62.5°	5505.9	5555.1	6111.7	4573.5	10709.8	18039.3	19918.4	17575.2	8734.2	6054.2	7169.3
65°	2113.2	2092.7	2517.8	2257.0	7875.8	14369.5	14815.1	13398.1	5992.6	2774.5	2733.4
67.5°	326.5	312.2	421.0	667.4	5680.4	9958.2	9775.4	9656.3	3754.1	646.9	564.8
70°	73.9	73.9	90.4	197.2	3470.7	5850.9	6261.6	5970.0	2402.8	137.6	73.9
72.5°	34.9	34.9	43.1	84.2	1256.8	2411.0	2809.4	2766.3	780.4	45.2	26.7
75°	12.3	14.4	14.4	18.5	76.0	125.3	287.5	205.4	49.3	0.0	0.0
77.5°	4.1	4.1	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.1	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°	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2
2.5°	2986.0	2971.6	2918.2	2846.4	2776.5	2714.9	2651.3	2575.3	2519.8	2456.2	2435.6
5°	3318.7	3228.4	3082.5	2930.6	2790.9	2671.8	2556.8	2433.6	2343.2	2252.9	2222.1
7.5°	3600.1	3466.6	3230.4	3002.5	2811.5	2643.1	2476.7	2308.3	2176.9	2070.1	2037.2
10°	3852.7	3698.6	3382.4	3101.0	2860.7	2665.6	2464.4	2252.9	2082.4	1955.1	1924.3
12.5°	4070.4	3891.7	3511.8	3175.0	2881.3	2657.4	2462.3	2293.9	2139.9	1994.1	1955.1
15°	4253.1	4056.0	3620.6	3224.2	2850.5	2554.8	2384.3	2357.6	2345.3	2185.1	2109.1
17.5°	4431.8	4210.0	3708.9	3246.8	2764.2	2374.0	2250.8	2372.0	2501.4	2396.6	2300.1
20°	4618.7	4366.1	3799.3	3250.9	2620.5	2170.7	2150.2	2341.2	2505.5	2472.6	2382.2
22.5°	4838.4	4561.2	3912.2	3248.9	2439.7	1998.2	2076.2	2281.6	2415.1	2413.0	2341.2
25°	5156.7	4807.6	4064.2	3261.2	2242.6	1864.7	1994.1	2181.0	2289.8	2285.7	2226.2
27.5°	5497.6	5101.3	4261.3	3292.0	2074.2	1786.7	1897.6	2043.4	2137.9	2133.8	2082.4
30°	5976.1	5440.1	4450.3	3294.1	1953.0	1745.6	1790.8	1891.4	1981.8	1971.5	1932.5
32.5°	6557.3	5822.1	4608.4	3177.0	1877.0	1706.6	1679.9	1731.2	1801.1	1786.7	1776.4
35°	7259.7	6276.0	4744.0	2920.3	1760.0	1628.6	1556.7	1566.9	1616.2	1624.4	1620.3
37.5°	8060.6	6816.1	4912.4	2581.4	1601.9	1515.6	1419.1	1410.9	1439.6	1466.3	1486.8
40°	8851.3	7424.0	5140.3	2238.5	1458.1	1371.8	1279.4	1258.9	1271.2	1318.4	1361.6
42.5°	9740.5	8128.4	5386.7	1944.8	1359.5	1213.7	1125.4	1086.4	1121.3	1197.3	1248.6
45°	11022.0	9116.2	5627.0	1710.7	1318.4	1074.1	955.0	950.8	989.9	1088.4	1145.9
47.5°	12821.0	10393.6	5785.2	1527.9	1316.4	965.2	823.5	848.2	893.3	989.9	1055.6
50°	14574.8	11993.4	5610.6	1388.3	1273.3	893.3	724.9	774.2	819.4	903.6	971.4
52.5°	15632.5	12853.9	4930.8	1256.8	1139.8	860.5	628.4	714.7	722.9	798.9	870.8
55°	15521.6	12297.3	3776.7	1053.5	942.6	813.2	527.8	644.8	649.0	706.5	768.1
57.5°	13472.0	10557.9	2593.8	854.3	708.5	671.5	435.4	544.2	583.2	618.2	663.3
60°	10040.3	7703.3	1156.2	694.1	449.8	453.9	371.7	410.7	470.3	511.4	550.4
62.5°	5916.6	4431.8	470.3	416.9	248.5	285.5	299.8	299.8	336.8	367.6	392.2
65°	2236.4	1550.5	191.0	209.5	129.4	133.5	176.6	217.7	246.4	273.1	306.0
67.5°	392.2	271.1	98.6	78.0	76.0	67.8	90.4	141.7	158.1	178.7	193.0
70°	65.7	55.4	41.1	39.0	34.9	37.0	59.6	100.6	110.9	117.1	123.2
72.5°	18.5	16.4	12.3	10.3	8.2	10.3	37.0	78.0	82.1	86.3	92.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	14.4	55.4	59.6	61.6	67.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	16.4	20.5	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°	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2
2.5°	2423.3	2382.2	2359.7	2347.3	2347.3	2330.9	2312.4	2306.3	2333.0	2333.0	2378.1
5°	2183.0	2150.2	2113.2	2090.6	2055.7	2061.9	2041.3	2039.3	2066.0	2078.3	2125.5
7.5°	2016.7	1975.6	1953.0	1938.7	1920.2	1912.0	1893.5	1887.3	1901.7	1922.2	1967.4
10°	1905.8	1899.6	1897.6	1907.8	1907.8	1897.6	1881.2	1870.9	1875.0	1914.0	1965.4
12.5°	1934.5	1946.9	1951.0	1967.4	1975.6	1967.4	1955.1	1959.2	1985.9	2057.8	2133.8
15°	2059.8	2049.6	2045.4	2053.7	2059.8	2051.6	2047.5	2078.3	2170.7	2273.4	2359.7
17.5°	2193.3	2127.6	2098.8	2098.8	2102.9	2098.8	2102.9	2162.5	2312.4	2415.1	2478.8
20°	2261.1	2139.9	2094.7	2084.5	2092.7	2094.7	2109.1	2176.9	2341.2	2413.0	2427.4
22.5°	2240.5	2088.6	2037.2	2029.0	2037.2	2045.4	2059.8	2117.3	2271.3	2308.3	2302.2
25°	2137.9	1987.9	1946.9	1946.9	1965.4	1963.3	1969.5	2010.5	2137.9	2160.4	2150.2
27.5°	2008.5	1866.8	1831.9	1852.4	1868.8	1864.7	1866.8	1901.7	1996.2	2002.3	1992.0
30°	1877.0	1753.8	1721.0	1745.6	1768.2	1764.1	1766.1	1801.1	1860.6	1854.5	1840.1
32.5°	1743.6	1653.2	1628.6	1642.9	1677.8	1673.7	1681.9	1718.9	1741.5	1714.8	1698.4
35°	1620.3	1573.1	1554.6	1562.8	1589.5	1595.7	1610.1	1634.7	1634.7	1601.9	1573.1
37.5°	1505.3	1499.2	1486.8	1476.6	1501.2	1519.7	1540.2	1569.0	1527.9	1480.7	1454.0
40°	1398.5	1425.2	1408.8	1382.1	1396.5	1423.2	1464.3	1486.8	1437.6	1390.3	1345.1
42.5°	1300.0	1345.1	1339.0	1306.1	1318.4	1343.1	1390.3	1408.8	1351.3	1297.9	1254.8
45°	1205.5	1269.2	1273.3	1232.2	1244.5	1269.2	1324.6	1330.8	1256.8	1199.3	1168.5
47.5°	1123.4	1193.2	1195.2	1164.4	1168.5	1203.4	1254.8	1256.8	1172.6	1119.2	1080.2
50°	1045.3	1125.4	1131.6	1104.9	1109.0	1150.0	1193.2	1185.0	1094.6	1039.2	1004.2
52.5°	950.8	1059.7	1074.1	1061.7	1078.2	1111.0	1137.7	1109.0	1004.2	948.8	918.0
55°	848.2	989.9	1020.7	1012.5	1030.9	1057.6	1063.8	1045.3	913.9	858.4	829.7
57.5°	729.0	815.3	868.7	852.3	866.6	893.3	911.8	897.4	798.9	755.7	731.1
60°	603.8	661.3	673.6	646.9	634.6	681.8	724.9	706.5	622.3	595.6	566.8
62.5°	441.5	507.3	515.5	480.6	466.2	517.5	554.5	536.0	443.6	414.8	392.2
65°	353.2	414.8	431.3	398.4	390.2	429.2	451.8	406.6	340.9	310.1	285.5
67.5°	232.1	281.4	324.5	322.4	306.0	318.3	301.9	264.9	217.7	201.3	184.8
70°	143.8	172.5	199.2	209.5	207.4	203.3	180.7	154.0	139.6	133.5	125.3
72.5°	110.9	139.6	160.2	166.3	168.4	162.2	143.8	119.1	104.7	96.5	90.4
75°	82.1	104.7	121.2	129.4	133.5	129.4	110.9	94.5	80.1	73.9	67.8
77.5°	28.8	34.9	43.1	47.2	45.2	43.1	39.0	39.0	30.8	28.8	24.6
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-760-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2	2686.2
2.5°	2429.5	2466.4	2534.2	2595.8	2661.5	2729.3	2803.2	2879.2	2914.1	2910.0
5°	2197.4	2277.5	2388.4	2509.6	2645.1	2790.9	2953.2	3119.5	3191.4	3222.2
7.5°	2051.6	2164.6	2310.4	2464.4	2643.1	2850.5	3094.9	3355.7	3460.4	3495.3
10°	2070.1	2201.5	2322.7	2472.6	2663.6	2932.6	3236.6	3546.7	3669.9	3708.9
12.5°	2220.0	2248.8	2281.6	2404.8	2645.1	2994.2	3365.9	3735.6	3877.3	3916.3
15°	2355.5	2222.1	2160.4	2273.4	2579.4	3037.4	3497.4	3938.9	4095.0	4140.2
17.5°	2361.7	2160.4	2022.9	2111.2	2472.6	3055.8	3626.8	4146.3	4316.8	4359.9
20°	2285.7	2092.7	1916.1	1918.1	2326.8	3051.7	3733.6	4333.2	4524.2	4563.2
22.5°	2174.8	2012.6	1829.8	1766.1	2170.7	3043.5	3850.6	4532.4	4739.8	4776.8
25°	2051.6	1909.9	1747.7	1651.1	2014.6	3051.7	4014.9	4793.2	5021.2	5056.1
27.5°	1918.1	1797.0	1684.0	1606.0	1883.2	3082.5	4212.1	5125.9	5397.0	5434.0
30°	1778.5	1688.1	1642.9	1595.7	1801.1	3090.8	4425.6	5514.1	5857.0	5908.4
32.5°	1640.9	1591.6	1593.6	1601.9	1723.0	3033.3	4620.7	5945.3	6403.3	6485.5
35°	1513.5	1499.2	1540.2	1581.3	1610.1	2885.4	4791.2	6454.7	7079.0	7163.2
37.5°	1404.7	1417.0	1468.4	1509.4	1486.8	2675.9	5017.1	7091.3	7834.7	7906.6
40°	1300.0	1330.8	1390.3	1408.8	1392.4	2431.5	5288.2	7705.3	8489.8	8588.4
42.5°	1203.4	1226.0	1310.2	1314.3	1365.7	2183.0	5549.0	8366.6	9243.5	9294.9
45°	1125.4	1121.3	1207.6	1234.2	1400.6	1907.8	5803.6	9247.6	10229.3	10303.2
47.5°	1049.4	1045.3	1065.8	1187.0	1415.0	1653.2	6056.2	10537.3	11658.6	11786.0
50°	977.5	983.7	920.0	1164.4	1336.9	1458.1	6171.2	11730.5	12958.6	13012.0
52.5°	913.9	891.3	780.4	1090.5	1170.6	1273.3	5844.7	12272.7	13763.6	13915.6
55°	823.5	698.2	642.8	885.1	924.1	1111.0	4787.1	11958.5	13833.4	14102.5
57.5°	704.4	548.3	546.3	653.1	653.1	1030.9	3066.1	10217.0	11921.5	12393.8
60°	542.2	425.1	451.8	453.9	418.9	751.6	1721.0	7401.4	8814.3	9284.6
62.5°	386.1	324.5	340.9	271.1	240.3	375.8	825.6	4261.3	5440.1	5505.9
65°	258.8	219.7	178.7	149.9	147.9	160.2	340.9	1540.2	1872.9	2113.2
67.5°	170.5	133.5	94.5	94.5	106.8	106.8	129.4	254.7	357.3	326.5
70°	110.9	92.4	59.6	57.5	69.8	69.8	65.7	69.8	73.9	73.9
72.5°	82.1	69.8	34.9	30.8	39.0	41.1	37.0	34.9	34.9	34.9
75°	61.6	49.3	20.5	14.4	18.5	24.6	20.5	14.4	14.4	12.3
77.5°	24.6	18.5	8.2	6.2	10.3	14.4	12.3	6.2	4.1	4.1
80°	2.1	4.1	4.1	4.1	6.2	8.2	10.3	4.1	2.1	2.1
82.5°	0.0	2.1	2.1	2.1	4.1	6.2	8.2	4.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	4.1	6.2	4.1	2.1	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	2.1	6.2	4.1	2.1	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)