

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: P642223

Luminaire Tested: GWS-SA6C-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642223
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15148.5 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

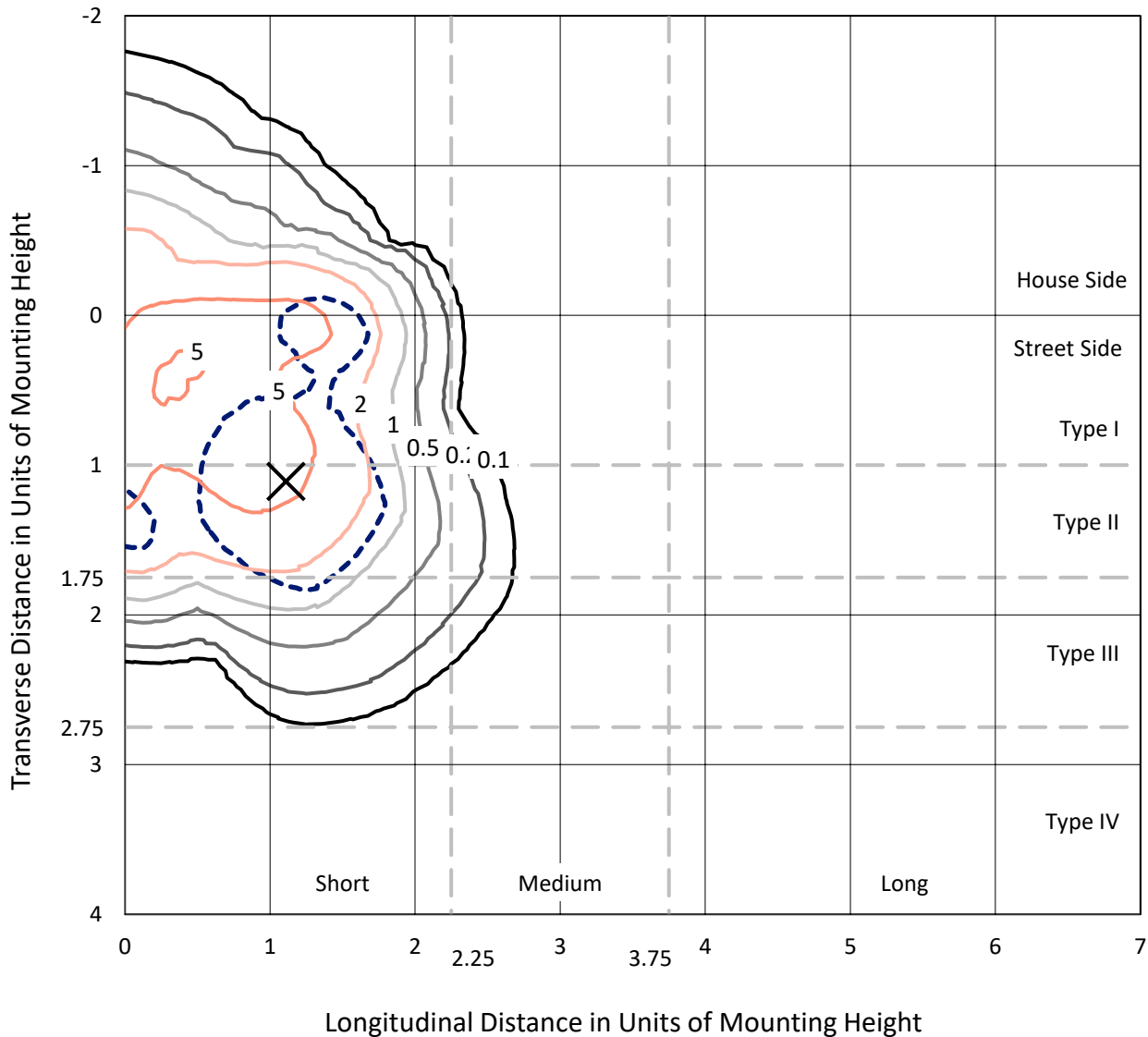
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

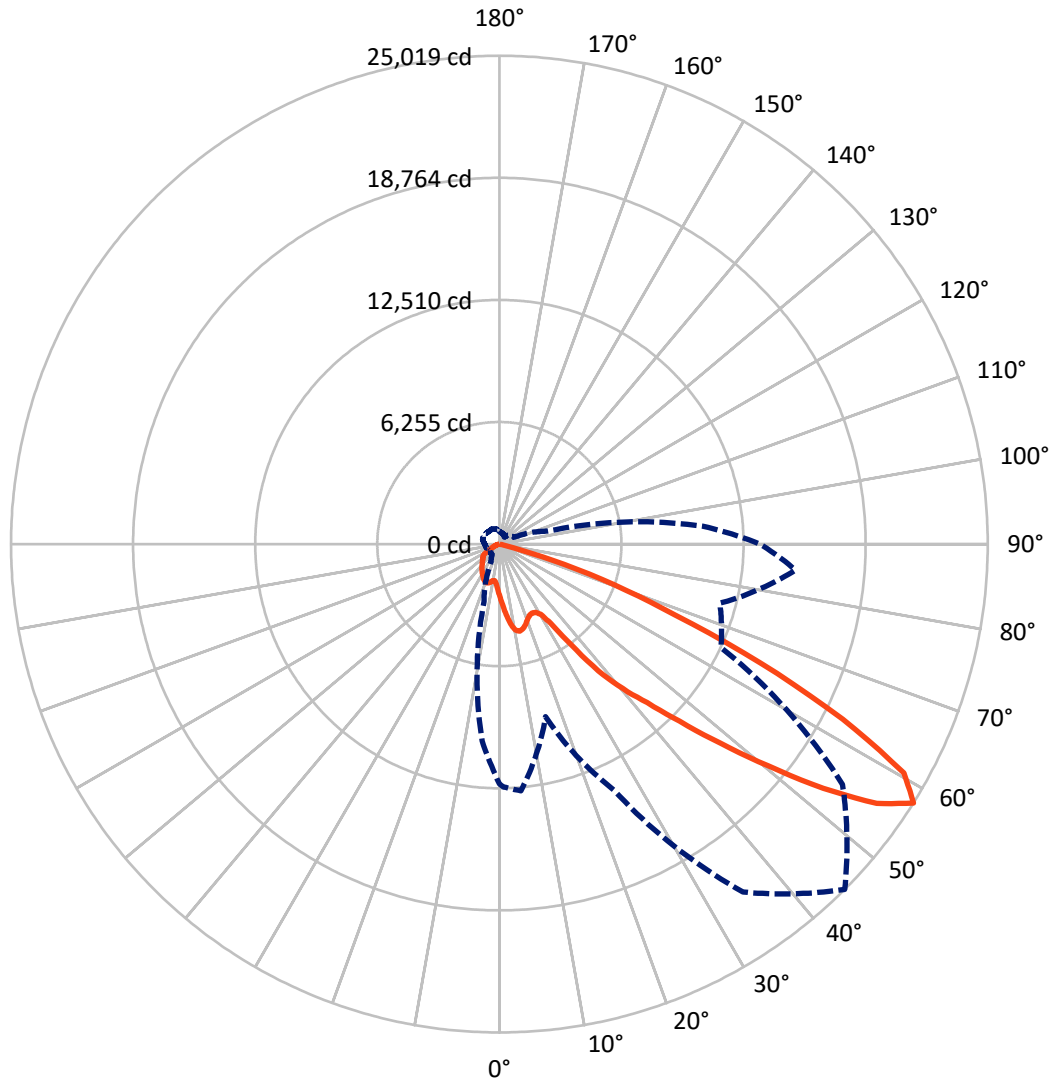
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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
House Side	Lumens	3392.1	0.0	3392.1
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	11756.4	0.0	11756.4
	% Fixture	77.6	0.0	77.6
Total	Lumens	15148.5	0.0	15148.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.9	1.7
10°-20°	847.3	5.6
20°-30°	1376.4	9.1
30°-40°	2126.8	14.0
40°-50°	3410.3	22.5
50°-60°	4661.0	30.8
60°-70°	2257.4	14.9
70°-80°	206.7	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°	15148.5	100.0
0°-180°	15148.5	100.0

Coefficient of Utilization



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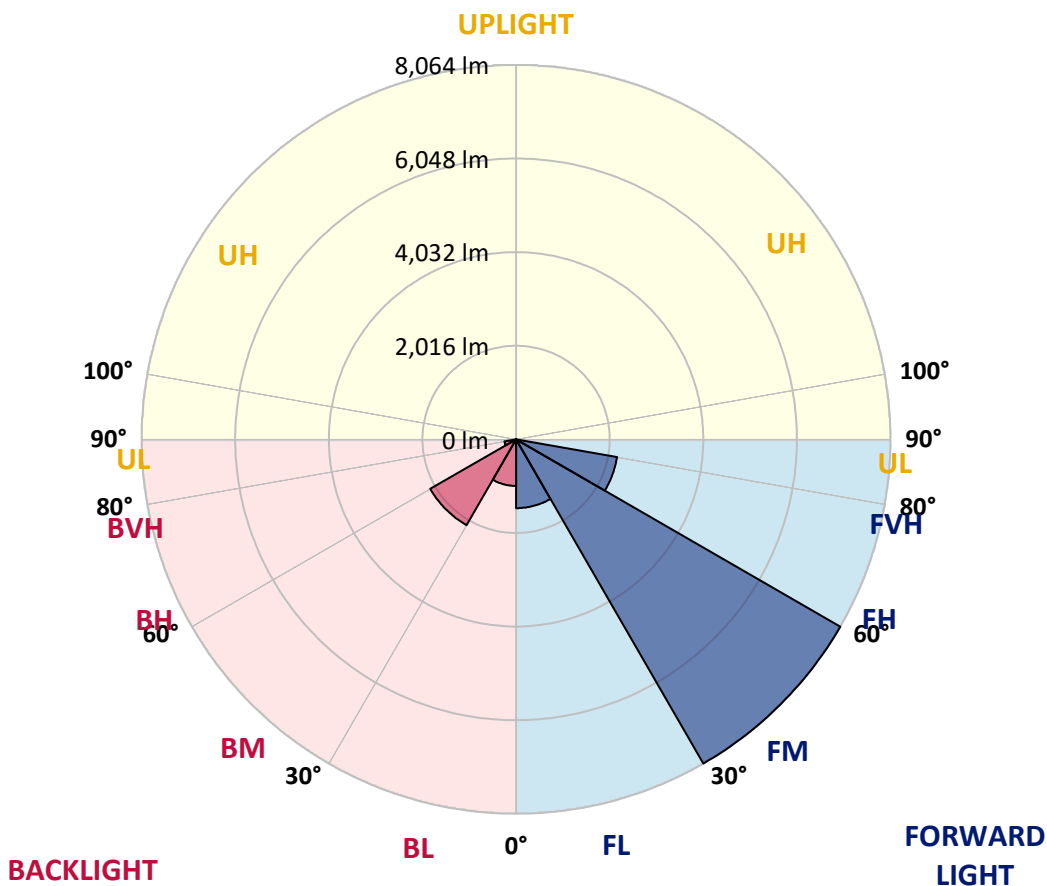
CATALOG NUMBER: GWS-SA6C-740-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1482.0	9.8			
FM (30°-60°)	8063.9	53.2			
FH (60°-80°)	2209.9	14.6			G2/5000
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	1003.7	6.6	B3/2500		
BM (30°-60°)	2134.2	14.1	B2/2500		
BH (60°-80°)	254.3	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°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2884.4	2902.7	2933.2	2998.4	3053.3	3090.0	3106.3	3102.2	3079.8	3063.5	3030.9
5°	3193.8	3193.8	3252.8	3401.4	3515.4	3586.7	3623.3	3600.9	3556.1	3484.9	3375.0
7.5°	3464.5	3474.7	3574.4	3786.1	3959.2	4060.9	4120.0	4107.8	4028.4	3892.0	3672.1
10°	3676.2	3688.4	3820.7	4079.3	4282.8	4386.6	4474.2	4482.3	4394.8	4213.6	3961.2
12.5°	3881.8	3894.0	4032.4	4280.8	4459.9	4502.7	4580.0	4610.5	4588.2	4459.9	4197.3
15°	4103.7	4132.2	4250.2	4435.5	4510.8	4459.9	4510.8	4565.8	4641.1	4628.9	4392.7
17.5°	4321.5	4341.8	4461.9	4527.1	4443.6	4311.3	4335.7	4400.9	4571.9	4738.8	4586.1
20°	4523.0	4551.5	4651.3	4565.8	4313.4	4107.8	4109.8	4195.3	4455.8	4806.0	4783.6
22.5°	4734.7	4777.5	4848.7	4608.5	4193.3	3946.9	3957.1	4034.5	4364.2	4869.1	5007.5
25°	5011.5	5052.3	5099.1	4714.4	4154.6	3867.6	3906.2	3977.5	4364.2	4976.9	5284.3
27.5°	5386.1	5414.6	5416.6	4911.8	4221.7	3879.8	3961.2	4042.6	4494.5	5192.7	5654.8
30°	5856.3	5901.1	5842.1	5219.2	4431.4	4042.6	4162.7	4264.5	4775.4	5557.1	6200.3
32.5°	6428.3	6491.4	6412.0	5675.1	4869.1	4604.4	4822.2	4881.3	5223.2	6084.3	6819.1
35°	7100.0	7153.0	7067.5	6306.2	5890.9	5939.8	6334.7	6259.3	6123.0	6733.6	7541.7
37.5°	7836.9	7885.8	7720.9	7262.9	7401.3	7613.0	8244.0	7985.5	7545.8	7570.2	8325.4
40°	8512.7	8565.6	8307.1	8303.0	8588.0	8974.8	9736.1	9379.9	8781.4	8665.4	9060.3
42.5°	9212.9	9249.6	9015.5	8856.7	9504.0	10299.9	11106.0	10625.6	9599.7	9473.5	9980.3
45°	10212.4	10289.8	9872.5	9129.5	10328.4	11824.6	12948.2	12009.8	10157.4	10055.7	11389.0
47.5°	11682.1	11739.1	10888.2	9300.5	11095.8	13723.7	15250.4	13805.2	10648.0	10416.0	13314.6
50°	12897.3	12936.0	11822.5	9487.7	11912.1	15771.5	17874.2	15934.4	11199.6	11012.4	15112.0
52.5°	13792.9	13939.5	13050.0	9872.5	12984.8	18179.6	20779.0	18456.4	12060.7	12164.5	16602.0
55°	13978.2	14177.7	13888.6	10108.6	13929.3	20632.4	23461.9	20713.9	12919.7	13037.8	17102.8
57.5°	12284.6	12443.4	12683.6	9155.9	13906.9	21756.1	25019.1	21462.9	12528.9	11692.3	15228.0
60°	9202.8	9312.7	9748.3	6998.3	12789.4	20762.7	23805.9	20188.7	10955.4	8921.9	11602.7
62.5°	5457.3	5506.2	6057.8	4533.2	10615.4	17880.4	19742.9	17420.3	8657.2	6000.8	7106.1
65°	2094.6	2074.2	2495.6	2237.1	7806.4	14242.8	14684.5	13280.0	5939.8	2750.0	2709.3
67.5°	323.7	309.4	417.3	661.6	5630.4	9870.4	9689.3	9571.2	3721.0	641.2	559.8
70°	73.3	73.3	89.6	195.4	3440.1	5799.3	6206.4	5917.4	2381.6	136.4	73.3
72.5°	34.6	34.6	42.7	83.5	1245.8	2389.7	2784.6	2741.9	773.5	44.8	26.5
75°	12.2	14.2	14.2	18.3	75.3	124.2	285.0	203.6	48.9	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°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.0	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°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2959.7	2945.5	2892.5	2821.3	2752.1	2691.0	2627.9	2552.6	2497.6	2434.5	2414.2
5°	3289.5	3199.9	3055.4	2904.7	2766.3	2648.3	2534.3	2412.1	2322.6	2233.0	2202.5
7.5°	3568.3	3436.0	3201.9	2976.0	2786.7	2619.8	2454.9	2288.0	2157.7	2051.8	2019.3
10°	3818.7	3666.0	3352.6	3073.7	2835.5	2642.2	2442.7	2233.0	2064.1	1937.9	1907.3
12.5°	4034.5	3857.4	3480.8	3147.0	2855.9	2634.0	2440.6	2273.7	2121.1	1976.5	1937.9
15°	4215.6	4020.2	3588.7	3195.8	2825.4	2532.2	2363.3	2336.8	2324.6	2165.8	2090.5
17.5°	4392.7	4172.9	3676.2	3218.2	2739.9	2353.1	2231.0	2351.1	2479.3	2375.5	2279.8
20°	4578.0	4327.6	3765.8	3222.3	2597.4	2151.6	2131.2	2320.5	2483.4	2450.8	2361.2
22.5°	4795.8	4521.0	3877.7	3220.3	2418.2	1980.6	2058.0	2261.5	2393.8	2391.8	2320.5
25°	5111.3	4765.2	4028.4	3232.5	2222.8	1848.3	1976.5	2161.8	2269.6	2265.6	2206.5
27.5°	5449.2	5056.3	4223.8	3263.0	2055.9	1770.9	1880.9	2025.4	2119.0	2114.9	2064.1
30°	5923.5	5392.2	4411.1	3265.0	1935.8	1730.2	1775.0	1874.8	1964.3	1954.1	1915.5
32.5°	6499.5	5770.8	4567.8	3149.0	1860.5	1691.5	1665.1	1716.0	1785.2	1770.9	1760.8
35°	7195.7	6220.7	4702.1	2894.6	1744.5	1614.2	1543.0	1553.1	1602.0	1610.1	1606.1
37.5°	7989.6	6756.0	4869.1	2558.7	1587.7	1502.2	1406.6	1398.4	1426.9	1453.4	1473.7
40°	8773.3	7358.5	5095.0	2218.8	1445.2	1359.8	1268.2	1247.8	1260.0	1306.8	1349.6
42.5°	9654.7	8056.7	5339.3	1927.7	1347.5	1203.0	1115.5	1076.8	1111.4	1186.7	1237.6
45°	10924.8	9035.8	5577.4	1695.6	1306.8	1064.6	946.5	942.5	981.1	1078.8	1135.8
47.5°	12708.0	10302.0	5734.2	1514.5	1304.8	956.7	816.3	840.7	885.5	981.1	1046.3
50°	14446.4	11887.7	5561.1	1376.0	1262.0	885.5	718.6	767.4	812.2	895.6	962.8
52.5°	15494.7	12740.6	4887.4	1245.8	1129.7	852.9	622.9	708.4	716.5	791.8	863.1
55°	15384.8	12188.9	3743.4	1044.2	934.3	806.1	523.1	639.2	643.2	700.2	761.3
57.5°	13353.3	10464.8	2570.9	846.8	702.3	665.6	431.5	539.4	578.1	612.7	657.5
60°	9951.8	7635.4	1146.0	688.0	445.8	449.9	368.4	407.1	466.1	506.9	545.5
62.5°	5864.4	4392.7	466.1	413.2	246.3	282.9	297.2	297.2	333.8	364.4	388.8
65°	2216.7	1536.8	189.3	207.6	128.2	132.3	175.1	215.8	244.3	270.7	303.3
67.5°	388.8	268.7	97.7	77.4	75.3	67.2	89.6	140.5	156.7	177.1	191.3
70°	65.1	55.0	40.7	38.7	34.6	36.6	59.0	99.7	109.9	116.0	122.1
72.5°	18.3	16.3	12.2	10.2	8.1	10.2	36.6	77.4	81.4	85.5	91.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	14.2	55.0	59.0	61.1	67.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	16.3	20.4	16.3
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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CATALOG NUMBER: GWS-SA6C-740-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2402.0	2361.2	2338.9	2326.6	2326.6	2310.4	2292.0	2285.9	2312.4	2312.4	2357.2
5°	2163.8	2131.2	2094.6	2072.2	2037.6	2043.7	2023.3	2021.3	2047.8	2060.0	2106.8
7.5°	1998.9	1958.2	1935.8	1921.6	1903.2	1895.1	1876.8	1870.7	1884.9	1905.3	1950.1
10°	1889.0	1882.9	1880.9	1891.0	1891.0	1880.9	1864.6	1854.4	1858.5	1897.1	1948.0
12.5°	1917.5	1929.7	1933.8	1950.1	1958.2	1950.1	1937.9	1941.9	1968.4	2039.6	2114.9
15°	2041.7	2031.5	2027.4	2035.6	2041.7	2033.5	2029.5	2060.0	2151.6	2253.4	2338.9
17.5°	2174.0	2108.8	2080.3	2080.3	2084.4	2080.3	2084.4	2143.4	2292.0	2393.8	2456.9
20°	2241.2	2121.1	2076.3	2066.1	2074.2	2076.3	2090.5	2157.7	2320.5	2391.8	2406.0
22.5°	2220.8	2070.2	2019.3	2011.1	2019.3	2027.4	2041.7	2098.7	2251.3	2288.0	2281.9
25°	2119.0	1970.4	1929.7	1929.7	1948.0	1946.0	1952.1	1992.8	2119.0	2141.4	2131.2
27.5°	1990.8	1850.3	1815.7	1836.1	1852.4	1848.3	1850.3	1884.9	1978.6	1984.7	1974.5
30°	1860.5	1738.4	1705.8	1730.2	1752.6	1748.5	1750.6	1785.2	1844.2	1838.1	1823.9
32.5°	1728.2	1638.6	1614.2	1628.4	1663.1	1659.0	1667.1	1703.8	1726.2	1699.7	1683.4
35°	1606.1	1559.2	1540.9	1549.1	1575.5	1581.6	1595.9	1620.3	1620.3	1587.7	1559.2
37.5°	1492.1	1486.0	1473.7	1463.6	1488.0	1506.3	1526.7	1555.2	1514.5	1467.6	1441.2
40°	1386.2	1412.7	1396.4	1369.9	1384.2	1410.6	1451.4	1473.7	1424.9	1378.1	1333.3
42.5°	1288.5	1333.3	1327.2	1294.6	1306.8	1331.3	1378.1	1396.4	1339.4	1286.5	1243.7
45°	1194.9	1258.0	1262.0	1221.3	1233.5	1258.0	1312.9	1319.0	1245.8	1188.8	1158.2
47.5°	1113.5	1182.7	1184.7	1154.2	1158.2	1192.8	1243.7	1245.8	1162.3	1109.4	1070.7
50°	1036.1	1115.5	1121.6	1095.1	1099.2	1139.9	1182.7	1174.5	1085.0	1030.0	995.4
52.5°	942.5	1050.3	1064.6	1052.4	1068.7	1101.2	1127.7	1099.2	995.4	940.4	909.9
55°	840.7	981.1	1011.7	1003.5	1021.9	1048.3	1054.4	1036.1	905.8	850.9	822.4
57.5°	722.6	808.1	861.0	844.8	859.0	885.5	903.8	889.5	791.8	749.1	724.7
60°	598.5	655.5	667.7	641.2	629.0	675.8	718.6	700.2	616.8	590.3	561.8
62.5°	437.6	502.8	510.9	476.3	462.1	513.0	549.6	531.3	439.7	411.2	388.8
65°	350.1	411.2	427.5	394.9	386.8	425.4	447.8	403.0	337.9	307.4	282.9
67.5°	230.0	278.9	321.6	319.6	303.3	315.5	299.2	262.6	215.8	199.5	183.2
70°	142.5	171.0	197.4	207.6	205.6	201.5	179.1	152.7	138.4	132.3	124.2
72.5°	109.9	138.4	158.8	164.9	166.9	160.8	142.5	118.1	103.8	95.7	89.6
75°	81.4	103.8	120.1	128.2	132.3	128.2	109.9	93.6	79.4	73.3	67.2
77.5°	28.5	34.6	42.7	46.8	44.8	42.7	38.7	38.7	30.5	28.5	24.4
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



REPORT NUMBER: P642223

CATALOG NUMBER: GWS-SA6C-740-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2408.1	2444.7	2511.9	2572.9	2638.1	2705.3	2778.5	2853.9	2888.5	2884.4
5°	2178.0	2257.4	2367.4	2487.5	2621.8	2766.3	2927.1	3092.0	3163.3	3193.8
7.5°	2033.5	2145.5	2290.0	2442.7	2619.8	2825.4	3067.6	3326.1	3429.9	3464.5
10°	2051.8	2182.1	2302.2	2450.8	2640.1	2906.8	3208.0	3515.4	3637.5	3676.2
12.5°	2200.4	2228.9	2261.5	2383.6	2621.8	2967.8	3336.3	3702.7	3843.1	3881.8
15°	2334.8	2202.5	2141.4	2253.4	2556.7	3010.6	3466.6	3904.2	4058.9	4103.7
17.5°	2340.9	2141.4	2005.0	2092.6	2450.8	3028.9	3594.8	4109.8	4278.7	4321.5
20°	2265.6	2074.2	1899.2	1901.2	2306.3	3024.8	3700.6	4295.0	4484.3	4523.0
22.5°	2155.7	1994.8	1813.7	1750.6	2151.6	3016.7	3816.7	4492.5	4698.1	4734.7
25°	2033.5	1893.1	1732.3	1636.6	1996.9	3024.8	3979.5	4751.0	4976.9	5011.5
27.5°	1901.2	1781.1	1669.2	1591.8	1866.6	3055.4	4174.9	5080.8	5349.4	5386.1
30°	1762.8	1673.2	1628.4	1581.6	1785.2	3063.5	4386.6	5465.5	5805.4	5856.3
32.5°	1626.4	1577.6	1579.6	1587.7	1707.8	3006.5	4580.0	5892.9	6346.9	6428.3
35°	1500.2	1486.0	1526.7	1567.4	1595.9	2860.0	4749.0	6397.8	7016.6	7100.0
37.5°	1392.3	1404.5	1455.4	1496.1	1473.7	2652.3	4972.9	7028.8	7765.7	7836.9
40°	1288.5	1319.0	1378.1	1396.4	1380.1	2410.1	5241.6	7637.4	8415.0	8512.7
42.5°	1192.8	1215.2	1298.7	1302.8	1353.6	2163.8	5500.1	8292.9	9162.1	9212.9
45°	1115.5	1111.4	1196.9	1223.4	1388.3	1891.0	5752.5	9166.1	10139.1	10212.4
47.5°	1040.2	1036.1	1056.5	1176.6	1402.5	1638.6	6002.9	10444.5	11555.9	11682.1
50°	968.9	975.0	911.9	1154.2	1325.1	1445.2	6116.9	11627.1	12844.4	12897.3
52.5°	905.8	883.4	773.5	1080.9	1160.3	1262.0	5793.2	12164.5	13642.3	13792.9
55°	816.3	692.1	637.1	877.3	916.0	1101.2	4744.9	11853.1	13711.5	13978.2
57.5°	698.2	543.5	541.5	647.3	647.3	1021.9	3039.1	10126.9	11816.4	12284.6
60°	537.4	421.4	447.8	449.9	415.3	745.0	1705.8	7336.2	8736.6	9202.8
62.5°	382.7	321.6	337.9	268.7	238.2	372.5	818.3	4223.8	5392.2	5457.3
65°	256.5	217.8	177.1	148.6	146.6	158.8	337.9	1526.7	1856.4	2094.6
67.5°	169.0	132.3	93.6	93.6	105.8	105.8	128.2	252.4	354.2	323.7
70°	109.9	91.6	59.0	57.0	69.2	69.2	65.1	69.2	73.3	73.3
72.5°	81.4	69.2	34.6	30.5	38.7	40.7	36.6	34.6	34.6	34.6
75°	61.1	48.9	20.4	14.2	18.3	24.4	20.4	14.2	14.2	12.2
77.5°	24.4	18.3	8.1	6.1	10.2	14.2	12.2	6.1	4.1	4.1
80°	2.0	4.1	4.1	4.1	6.1	8.1	10.2	4.1	2.0	2.0
82.5°	0.0	2.0	2.0	2.0	4.1	6.1	8.1	4.1	2.0	2.0
85°	0.0	0.0	0.0	0.0	4.1	6.1	4.1	2.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	2.0	6.1	4.1	2.0	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)