

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: P642329

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642329
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-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: 15361.3 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

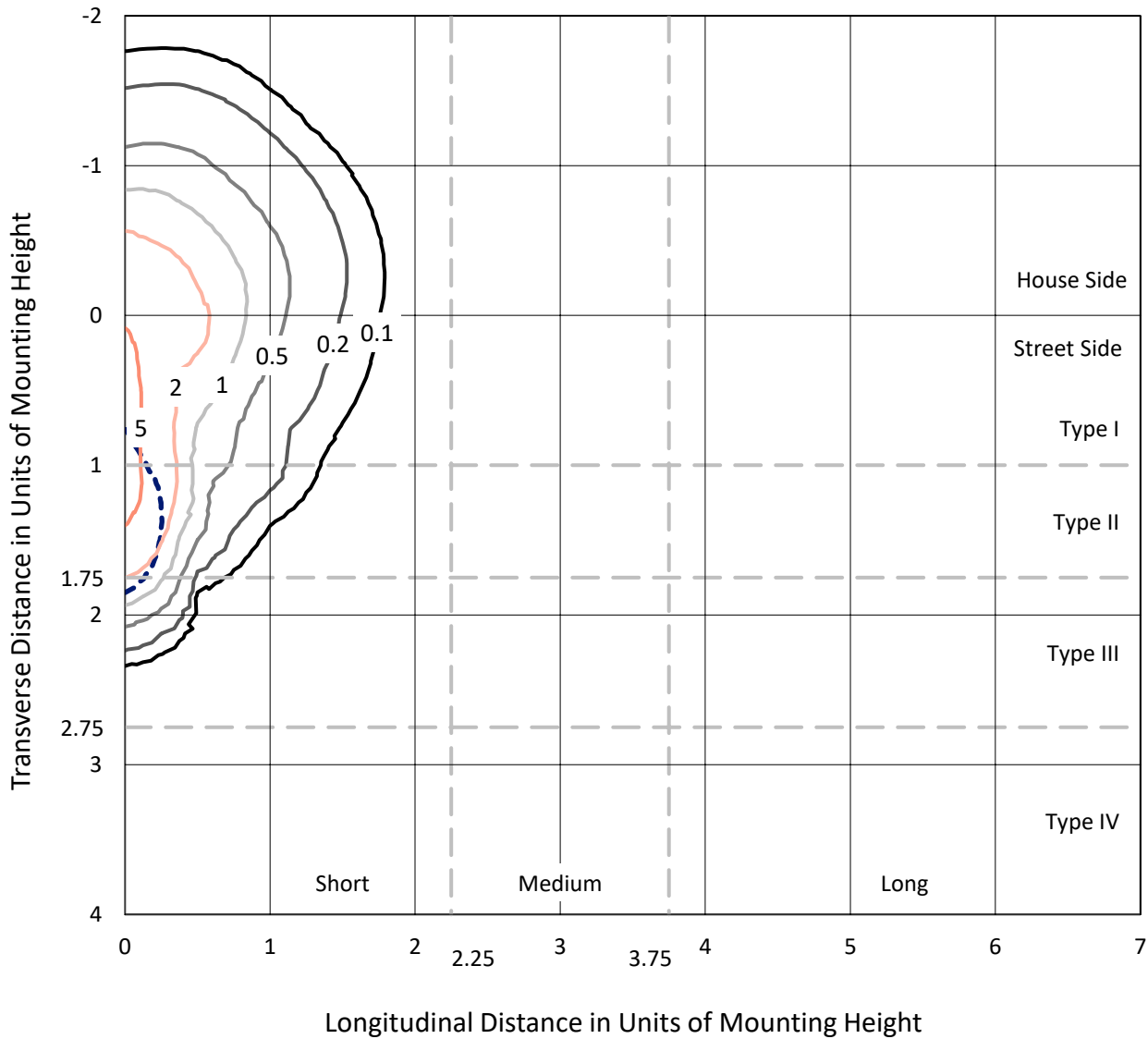
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

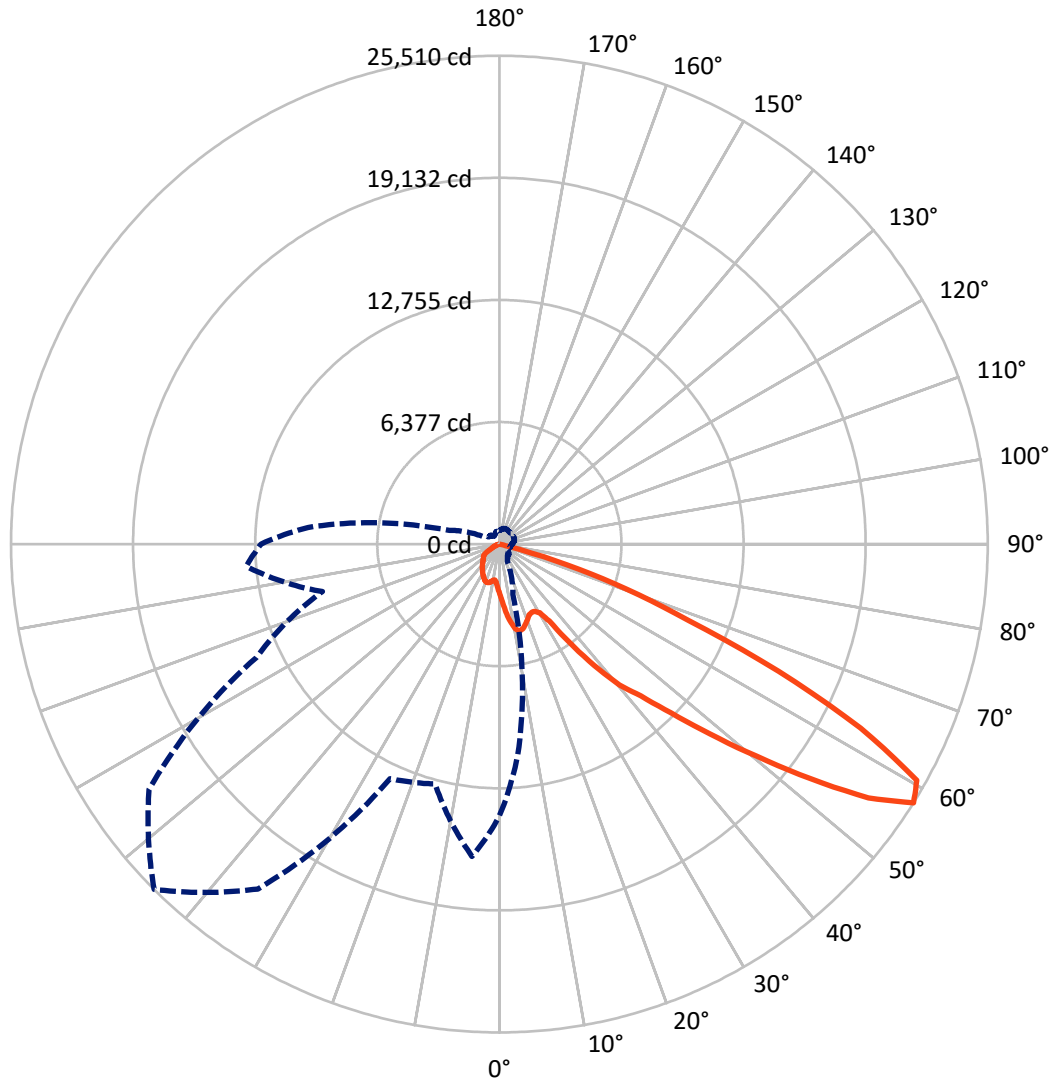
× Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	3309.3	0.0	3309.3
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	12052.0	0.0	12052.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	15361.3	0.0	15361.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.0	1.7
10°-20°	848.9	5.5
20°-30°	1377.6	9.0
30°-40°	2114.3	13.8
40°-50°	3376.8	22.0
50°-60°	4728.1	30.8
60°-70°	2424.2	15.8
70°-80°	233.4	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°	15361.3	100.0
0°-180°	15361.3	100.0

Coefficient of Utilization



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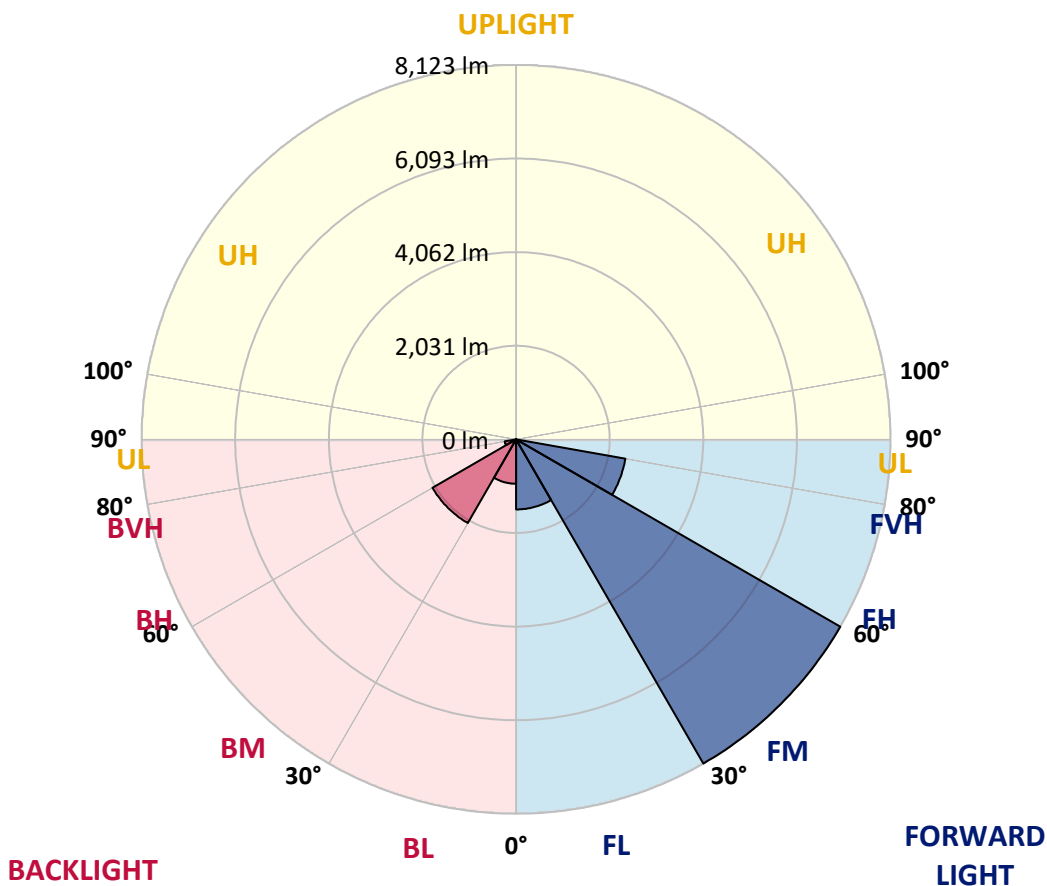
CATALOG NUMBER: GWS-SA6C-760-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1520.9	9.9			
FM (30°-60°)	8123.4	52.9			
FH (60°-80°)	2407.7	15.7			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	963.6	6.3	B2/1000		
BM (30°-60°)	2095.8	13.6	B2/2500		
BH (60°-80°)	249.9	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°	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1
2.5°	2899.7	2893.5	2873.0	2803.1	2760.0	2692.3	2643.0	2579.3	2509.5	2466.4	2423.2
5°	3207.7	3191.3	3135.8	2975.7	2852.4	2719.0	2612.2	2495.1	2369.8	2287.7	2211.7
7.5°	3503.4	3478.8	3404.9	3133.8	2946.9	2755.9	2604.0	2433.5	2256.9	2133.7	2039.2
10°	3793.0	3737.5	3620.5	3287.8	3035.2	2805.2	2626.5	2431.5	2224.0	2068.0	1963.2
12.5°	4031.2	3990.1	3829.9	3433.6	3109.1	2815.5	2595.7	2415.0	2275.4	2170.6	2074.1
15°	4236.6	4191.4	4039.4	3565.0	3172.8	2774.4	2466.4	2308.2	2330.8	2371.9	2289.8
17.5°	4425.5	4378.3	4214.0	3673.9	3197.4	2673.8	2285.6	2209.7	2334.9	2489.0	2458.1
20°	4620.6	4567.2	4365.9	3762.2	3189.2	2515.6	2102.9	2125.5	2302.1	2478.7	2495.1
22.5°	4848.5	4793.1	4559.0	3875.1	3183.1	2326.7	1944.7	2051.5	2240.5	2390.4	2419.1
25°	5150.4	5084.7	4828.0	4041.5	3199.5	2154.2	1831.8	1979.7	2135.7	2271.3	2287.7
27.5°	5548.8	5464.6	5138.1	4246.8	3234.4	2018.7	1782.5	1881.1	2002.2	2123.4	2137.8
30°	6068.4	5961.6	5493.4	4425.5	3218.0	1924.2	1749.7	1782.5	1854.4	1953.0	1955.0
32.5°	6676.2	6530.4	5891.7	4579.5	3076.3	1854.4	1704.5	1681.9	1698.3	1774.3	1788.7
35°	7390.9	7201.9	6331.2	4725.3	2817.5	1718.9	1622.3	1546.4	1540.2	1577.2	1612.1
37.5°	8210.3	7984.4	6885.7	4912.2	2511.5	1577.2	1501.2	1425.2	1392.3	1410.8	1464.2
40°	8966.0	8715.4	7464.8	5138.1	2199.4	1449.8	1359.5	1281.4	1242.4	1248.6	1314.3
42.5°	9853.1	9594.4	8173.3	5433.8	1940.6	1363.6	1211.6	1131.5	1080.2	1108.9	1184.9
45°	11200.3	10906.6	9206.2	5690.5	1735.3	1343.0	1082.2	969.3	944.7	993.9	1084.3
47.5°	13040.3	12680.9	10625.3	5846.6	1560.7	1361.5	991.9	837.9	844.0	899.5	989.8
50°	14865.9	14477.8	12266.1	5641.2	1417.0	1324.6	946.7	735.2	774.2	823.5	905.6
52.5°	16120.7	15615.5	13064.9	5047.7	1285.5	1184.9	942.6	638.7	712.6	729.0	798.8
55°	16170.0	15547.7	12656.3	3979.9	1106.9	1000.1	899.5	558.6	644.8	651.0	710.5
57.5°	14173.9	13611.2	11060.6	2733.3	983.7	733.1	716.7	488.8	529.8	581.2	618.1
60°	10783.4	10304.9	8271.9	1252.7	747.5	466.2	490.8	421.0	396.3	472.3	509.3
62.5°	6604.3	6298.4	4961.5	554.5	476.4	248.5	297.8	334.7	297.8	326.5	357.3
65°	2622.4	2486.9	1883.1	236.2	195.1	125.3	135.5	195.1	209.5	230.0	258.8
67.5°	455.9	431.3	316.3	104.7	80.1	76.0	65.7	90.4	127.3	141.7	164.3
70°	59.6	57.5	51.3	43.1	41.1	37.0	28.8	57.5	86.3	90.4	104.7
72.5°	14.4	12.3	12.3	10.3	12.3	4.1	4.1	30.8	61.6	63.7	73.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	39.0	43.1	51.3
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°	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1
2.5°	2388.3	2347.3	2332.9	2312.3	2285.6	2293.9	2256.9	2244.6	2263.1	2287.7	2281.5
5°	2170.6	2125.5	2094.7	2047.4	2039.2	2020.7	2008.4	1992.0	2012.5	2041.3	2047.4
7.5°	1998.1	1959.1	1928.3	1913.9	1903.7	1895.5	1870.8	1858.5	1858.5	1870.8	1881.1
10°	1924.2	1895.5	1889.3	1893.4	1909.8	1907.8	1885.2	1868.8	1848.2	1838.0	1850.3
12.5°	2026.9	1979.7	1971.4	1973.5	1994.0	1992.0	1967.3	1946.8	1942.7	1946.8	1985.8
15°	2201.4	2129.6	2076.2	2065.9	2076.2	2072.1	2053.6	2041.3	2047.4	2107.0	2172.7
17.5°	2357.5	2246.6	2150.1	2113.1	2111.1	2104.9	2086.4	2082.3	2113.1	2224.0	2320.6
20°	2402.7	2293.9	2156.3	2109.0	2098.8	2092.6	2072.1	2078.2	2117.3	2250.7	2332.9
22.5°	2343.1	2238.4	2094.7	2047.4	2039.2	2037.2	2016.6	2024.8	2057.7	2174.8	2242.5
25°	2230.2	2141.9	1992.0	1950.9	1950.9	1946.8	1928.3	1932.4	1953.0	2055.6	2121.4
27.5°	2092.6	2008.4	1883.1	1842.1	1848.2	1854.4	1831.8	1825.6	1842.1	1938.6	1977.6
30°	1934.5	1874.9	1776.4	1739.4	1737.3	1762.0	1731.2	1723.0	1745.6	1821.5	1829.7
32.5°	1780.5	1751.7	1681.9	1653.1	1655.2	1659.3	1642.9	1642.9	1663.4	1704.5	1702.4
35°	1630.6	1612.1	1599.7	1579.2	1577.2	1568.9	1568.9	1573.0	1595.6	1610.0	1583.3
37.5°	1486.8	1505.3	1519.7	1499.1	1482.7	1482.7	1482.7	1501.2	1521.7	1515.5	1470.4
40°	1359.5	1398.5	1443.7	1421.1	1382.1	1380.0	1388.2	1419.0	1449.8	1412.9	1371.8
42.5°	1250.6	1299.9	1363.6	1351.3	1308.1	1302.0	1308.1	1347.2	1371.8	1324.6	1279.4
45°	1143.8	1205.5	1281.4	1281.4	1234.2	1228.0	1230.1	1281.4	1295.8	1240.4	1182.9
47.5°	1053.5	1121.3	1201.3	1201.3	1162.3	1150.0	1160.3	1213.7	1223.9	1145.9	1092.5
50°	967.2	1041.2	1129.5	1123.3	1096.6	1086.3	1104.8	1162.3	1150.0	1063.8	1008.3
52.5°	858.4	936.4	1057.6	1063.8	1049.4	1051.4	1074.0	1111.0	1076.1	971.3	924.1
55°	759.8	839.9	961.1	993.9	993.9	991.9	1002.2	1030.9	1002.2	876.9	819.4
57.5°	653.0	720.8	821.4	829.7	835.8	813.2	827.6	866.6	852.2	745.5	712.6
60°	536.0	593.5	651.0	657.1	630.5	583.2	609.9	655.1	665.4	585.3	548.3
62.5°	379.9	435.4	503.1	503.1	476.4	429.2	464.1	503.1	488.8	406.6	384.0
65°	283.4	334.7	386.1	408.7	386.1	353.2	379.9	408.7	386.1	318.3	285.4
67.5°	182.8	217.7	248.5	267.0	271.1	267.0	279.3	271.1	244.4	199.2	180.7
70°	110.9	129.4	145.8	162.2	174.6	180.7	186.9	168.4	141.7	117.1	110.9
72.5°	80.1	96.5	110.9	123.2	137.6	141.7	141.7	129.4	104.7	82.1	76.0
75°	55.4	69.8	82.1	90.4	102.7	106.8	106.8	96.5	78.0	59.6	53.4
77.5°	2.1	14.4	14.4	12.3	16.4	20.5	20.5	24.6	22.6	16.4	14.4
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°	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1
2.5°	2293.9	2367.8	2388.3	2464.3	2532.1	2599.8	2682.0	2731.3	2805.2	2856.5	2885.3
5°	2068.0	2129.6	2203.5	2316.4	2433.5	2562.9	2719.0	2854.5	3024.9	3150.2	3191.3
7.5°	1903.7	1983.8	2070.0	2211.7	2371.9	2544.4	2764.1	2985.9	3246.7	3417.2	3526.0
10°	1872.9	1955.0	2070.0	2209.7	2378.1	2575.2	2844.2	3131.7	3458.2	3665.7	3788.9
12.5°	2020.7	2109.0	2158.3	2222.0	2349.3	2569.0	2914.0	3279.6	3663.6	3889.5	4020.9
15°	2238.4	2316.4	2236.4	2156.3	2238.4	2503.3	2953.1	3402.8	3844.3	4105.1	4240.7
17.5°	2388.3	2394.5	2219.9	2049.5	2072.1	2384.2	2967.4	3526.0	4037.4	4310.5	4452.2
20°	2373.9	2324.7	2148.1	1959.1	1889.3	2230.2	2951.0	3634.9	4232.4	4517.9	4657.5
22.5°	2263.1	2205.6	2055.6	1870.8	1735.3	2047.4	2922.3	3733.4	4411.1	4735.6	4867.0
25°	2129.6	2068.0	1944.7	1782.5	1636.7	1870.8	2899.7	3869.0	4637.0	5019.0	5121.7
27.5°	1973.5	1920.1	1815.4	1698.3	1595.6	1737.3	2893.5	4047.6	4910.1	5364.0	5435.9
30°	1821.5	1772.2	1690.1	1622.3	1579.2	1659.3	2873.0	4238.6	5236.7	5760.3	5838.4
32.5°	1675.7	1626.4	1575.1	1564.8	1566.9	1630.6	2803.1	4427.5	5624.8	6335.3	6392.8
35°	1550.5	1493.0	1472.4	1497.1	1542.2	1581.3	2606.0	4583.6	6041.7	6961.7	7008.9
37.5°	1431.4	1373.9	1371.8	1431.4	1480.6	1505.3	2373.9	4737.6	6604.3	7598.3	7657.8
40°	1322.5	1265.0	1285.5	1357.4	1396.4	1408.8	2092.6	4971.7	7199.9	8269.8	8236.9
42.5°	1230.1	1170.5	1182.9	1275.3	1310.2	1343.0	1833.9	5166.8	7772.8	8906.4	8896.2
45°	1139.7	1094.6	1086.3	1187.0	1217.8	1349.2	1644.9	5316.7	8510.1	9717.6	9734.0
47.5°	1051.4	1016.5	1018.6	1061.7	1137.7	1380.0	1484.7	5415.3	9580.0	11003.1	10717.7
50°	971.3	944.7	967.2	918.0	1086.3	1341.0	1347.2	5394.8	10775.2	12235.3	11662.3
52.5°	883.0	876.9	887.2	768.0	1004.2	1182.9	1217.8	5121.7	11335.8	13077.3	12750.7
55°	792.7	790.6	708.5	614.0	839.9	944.7	1043.2	4273.5	11317.3	13524.9	13921.3
57.5°	685.9	669.5	538.0	501.1	653.0	657.1	950.8	2799.0	10029.7	12453.0	13274.4
60°	519.6	507.2	394.3	406.6	455.9	421.0	757.8	1394.4	7495.6	9701.2	10627.3
62.5°	359.4	342.9	293.7	314.2	293.7	240.3	464.1	690.0	4540.5	6125.9	6965.8
65°	262.9	244.4	201.3	172.5	137.6	137.6	176.6	264.9	1757.9	2604.0	3139.9
67.5°	162.2	154.0	119.1	86.3	84.2	90.4	92.4	131.4	283.4	451.8	552.4
70°	104.7	96.5	80.1	55.4	51.3	53.4	55.4	61.6	71.9	78.0	94.5
72.5°	71.9	67.8	57.5	30.8	24.6	26.7	28.8	28.8	34.9	32.9	39.0
75°	51.3	47.2	41.1	14.4	8.2	10.3	12.3	10.3	12.3	8.2	10.3
77.5°	14.4	14.4	10.3	2.1	0.0	2.1	4.1	4.1	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: P642329

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1	2610.1
2.5°	2959.2	3006.5	3024.9	2998.2	3020.8	2983.9	2969.5	2914.0	2909.9	2899.7
5°	3357.6	3464.4	3528.1	3567.1	3521.9	3472.6	3398.7	3271.4	3232.4	3207.7
7.5°	3749.9	3916.2	4025.0	4076.4	4064.1	3963.4	3829.9	3616.4	3540.4	3503.4
10°	4090.8	4294.1	4425.5	4489.1	4462.5	4374.1	4183.2	3916.2	3815.6	3793.0
12.5°	4329.0	4515.8	4606.2	4661.6	4663.7	4628.8	4448.1	4179.1	4059.9	4031.2
15°	4478.9	4559.0	4561.0	4593.9	4651.4	4729.4	4645.2	4407.0	4279.7	4236.6
17.5°	4573.3	4485.0	4394.7	4402.9	4497.4	4704.8	4791.0	4608.3	4472.7	4425.5
20°	4641.1	4361.8	4193.4	4195.5	4292.0	4606.2	4891.7	4803.3	4663.7	4620.6
22.5°	4684.2	4253.0	4012.7	4006.6	4109.2	4489.1	4984.1	5035.4	4897.8	4848.5
25°	4772.5	4201.6	3903.9	3938.8	4029.1	4452.2	5109.3	5343.4	5216.1	5150.4
27.5°	4930.7	4253.0	3893.6	3973.7	4076.4	4561.0	5327.0	5754.2	5622.7	5548.8
30°	5203.8	4446.0	4051.7	4162.6	4285.8	4846.5	5692.6	6327.1	6138.2	6068.4
32.5°	5643.3	4846.5	4540.5	4778.7	4897.8	5314.7	6240.9	6969.9	6815.9	6676.2
35°	6249.1	5760.3	5725.4	6279.9	6251.1	6201.8	6914.4	7758.5	7526.4	7390.9
37.5°	7082.8	7230.7	7489.4	8039.8	8021.3	7645.5	7799.5	8503.9	8384.8	8210.3
40°	8124.0	8438.2	8877.7	9666.2	9419.8	8947.5	8885.9	9267.9	9171.3	8966.0
42.5°	8738.0	9280.2	10118.0	10826.5	10629.4	9803.8	9734.0	10288.5	10077.0	9853.1
45°	9023.5	9966.1	11608.9	12568.0	11970.4	10372.7	10346.0	11619.2	11500.1	11200.3
47.5°	9154.9	10658.1	13354.5	14806.4	13689.2	10871.7	10775.2	13549.6	13393.5	13040.3
50°	9300.7	11613.0	15457.4	17400.1	15765.4	11436.4	11506.3	15348.5	15282.8	14865.9
52.5°	9621.1	12623.4	18046.9	20365.4	18283.1	12321.5	12761.0	17044.8	16601.2	16120.7
55°	10101.6	13724.1	20741.3	23394.5	20852.1	13510.6	14118.4	17946.3	16701.8	16170.0
57.5°	9569.7	13999.3	22336.9	25509.7	21991.9	13514.7	12970.5	16383.5	14689.3	14173.9
60°	7594.2	13023.9	21722.9	25051.7	21020.5	12001.2	9931.2	12791.8	11128.4	10783.4
62.5°	5134.0	10923.0	19123.0	21186.9	17991.5	9440.4	6454.4	8319.1	6889.8	6604.3
65°	2813.4	8148.6	15451.2	16028.3	14081.5	6594.1	3320.7	3610.2	2749.8	2622.4
67.5°	776.3	5672.0	11368.7	10633.5	9879.8	4294.1	858.4	644.8	460.0	455.9
70°	195.1	3751.9	6811.8	7021.2	6058.1	2749.8	164.3	78.0	61.6	59.6
72.5°	82.1	1614.1	3232.4	3714.9	3100.9	1273.2	59.6	22.6	18.5	14.4
75°	10.3	129.4	275.2	416.9	285.4	137.6	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)