

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: P641999

Luminaire Tested: GWS-SA6C-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641999
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11215.3 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

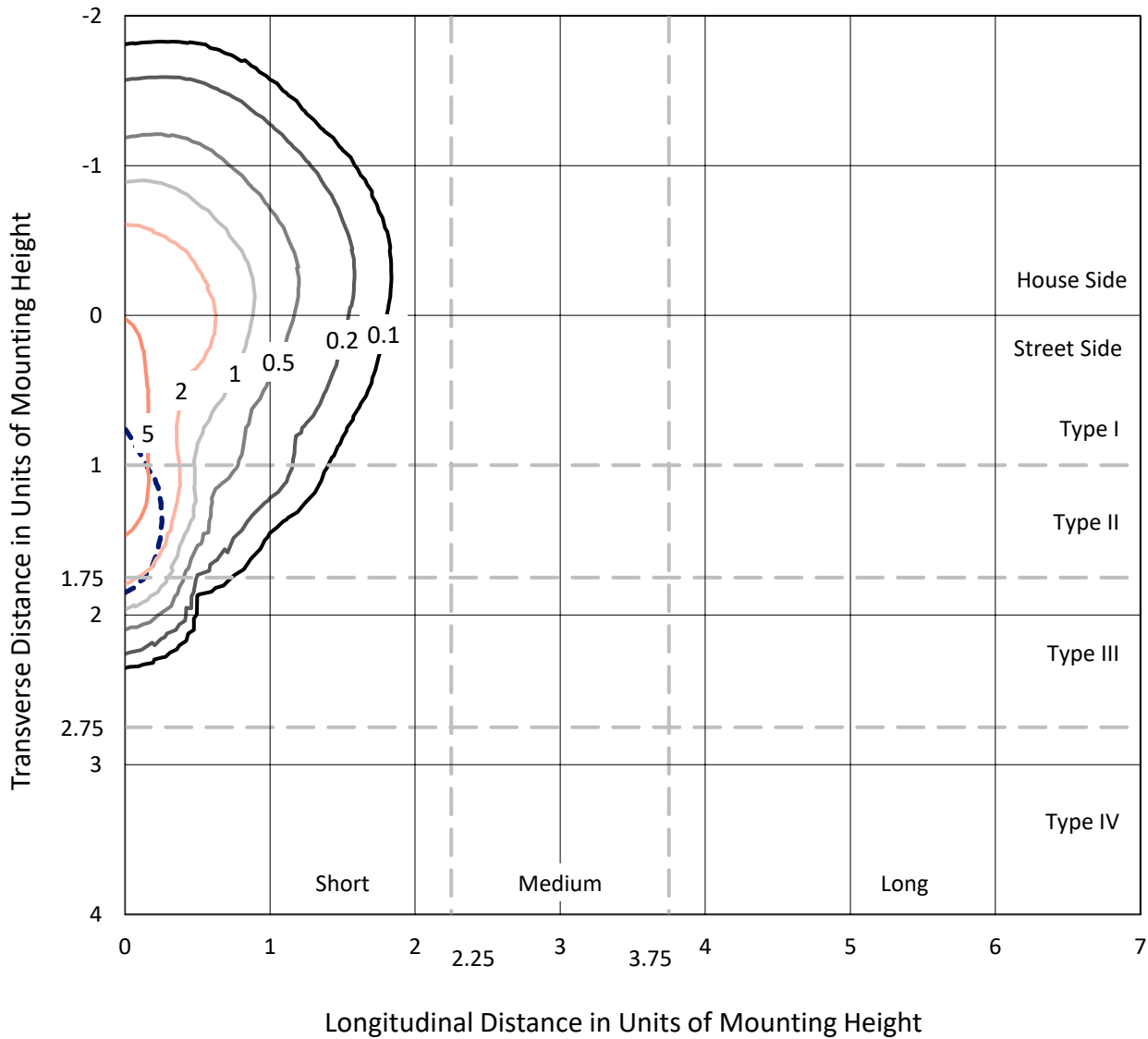
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

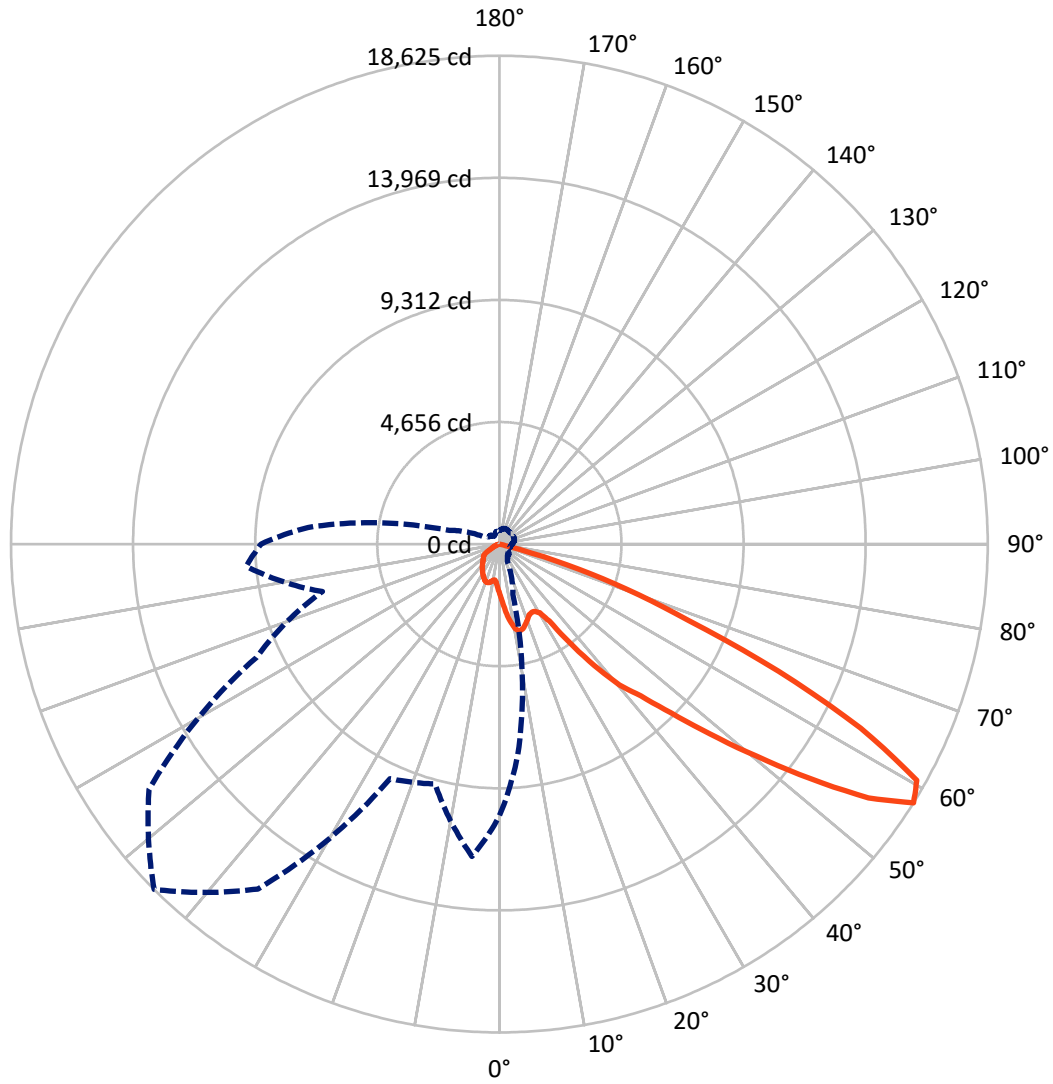
× Max cd
 - - - 1/2 Max cd



Based on 20 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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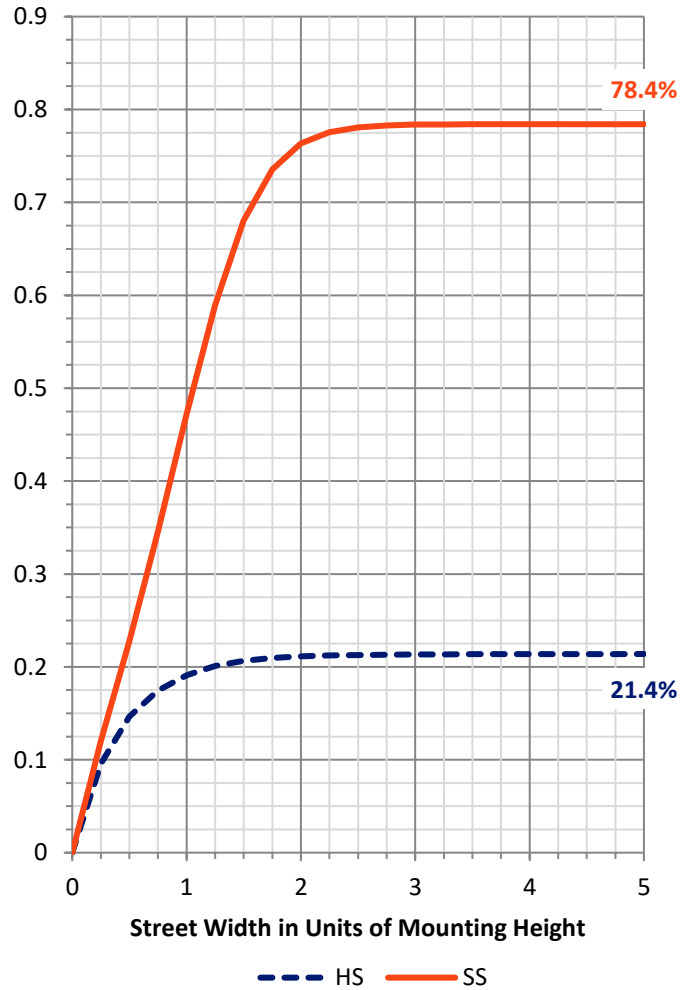
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2416.2	0.0	2416.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	8799.1	0.0	8799.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	11215.3	0.0	11215.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.4	1.7
10°-20°	619.8	5.5
20°-30°	1005.8	9.0
30°-40°	1543.7	13.8
40°-50°	2465.4	22.0
50°-60°	3452.0	30.8
60°-70°	1769.9	15.8
70°-80°	170.4	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°	11215.3	100.0
0°-180°	11215.3	100.0

Coefficient of Utilization



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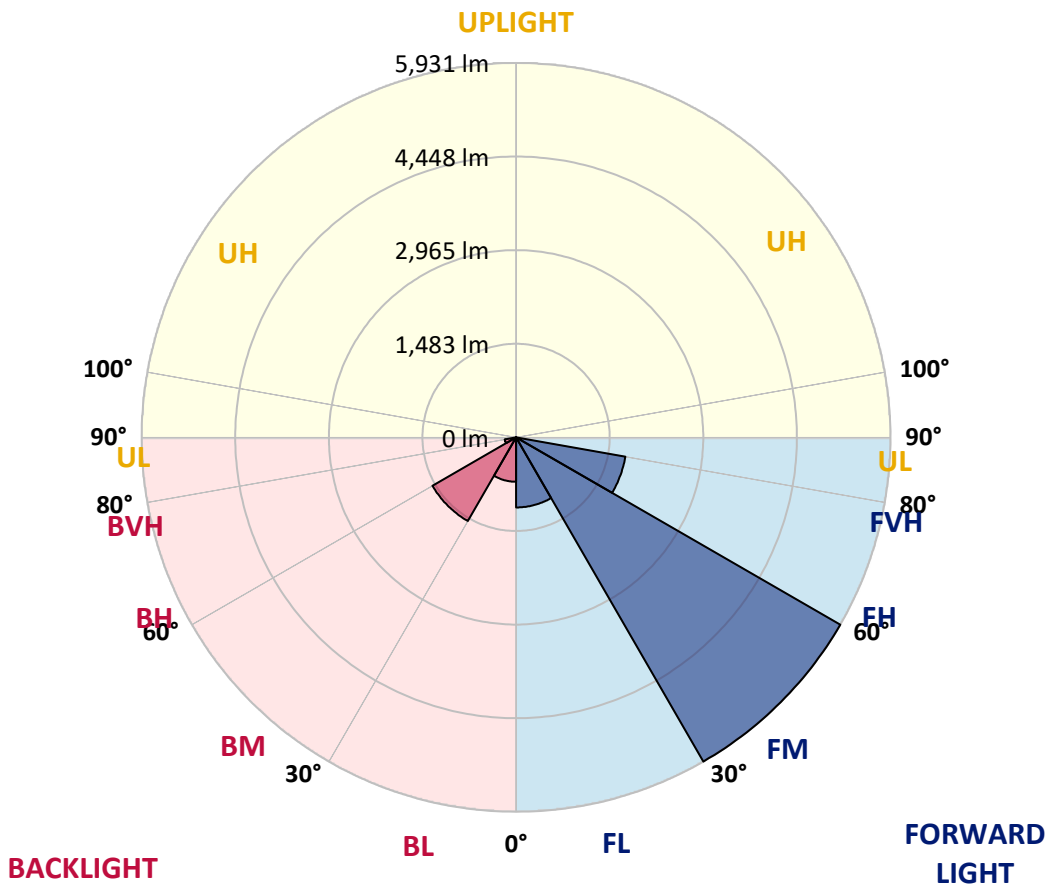
CATALOG NUMBER: GWS-SA6C-722-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1110.4	9.9			
FM (30°-60°)	5930.9	52.9			
FH (60°-80°)	1757.8	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	703.5	6.3	B2/1000		
BM (30°-60°)	1530.1	13.6	B2/2500		
BH (60°-80°)	182.5	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6
2.5°	2117.1	2112.6	2097.6	2046.6	2015.1	1965.6	1929.6	1883.2	1832.2	1800.7	1769.2
5°	2342.0	2330.0	2289.5	2172.5	2082.6	1985.1	1907.1	1821.7	1730.2	1670.3	1614.8
7.5°	2557.9	2539.9	2485.9	2288.0	2151.5	2012.1	1901.1	1776.7	1647.8	1557.8	1488.8
10°	2769.3	2728.8	2643.3	2400.4	2216.0	2048.1	1917.6	1775.2	1623.8	1509.8	1433.4
12.5°	2943.2	2913.2	2796.2	2506.9	2270.0	2055.6	1895.2	1763.2	1661.3	1584.8	1514.3
15°	3093.1	3060.1	2949.2	2602.8	2316.5	2025.6	1800.7	1685.2	1701.7	1731.7	1671.8
17.5°	3231.1	3196.6	3076.6	2682.3	2334.5	1952.1	1668.8	1613.3	1704.7	1817.2	1794.7
20°	3373.5	3334.5	3187.6	2746.8	2328.5	1836.7	1535.3	1551.8	1680.7	1809.7	1821.7
22.5°	3539.9	3499.4	3328.5	2829.2	2324.0	1698.7	1419.9	1497.8	1635.8	1745.2	1766.2
25°	3760.3	3712.3	3524.9	2950.7	2336.0	1572.8	1337.4	1445.4	1559.3	1658.3	1670.3
27.5°	4051.2	3989.7	3751.3	3100.6	2361.4	1473.8	1301.4	1373.4	1461.8	1550.3	1560.8
30°	4430.5	4352.5	4010.7	3231.1	2349.4	1404.9	1277.4	1301.4	1353.9	1425.9	1427.4
32.5°	4874.3	4767.9	4301.6	3343.5	2246.0	1353.9	1244.4	1227.9	1239.9	1295.4	1305.9
35°	5396.1	5258.1	4622.4	3450.0	2057.1	1254.9	1184.5	1129.0	1124.5	1151.5	1177.0
37.5°	5994.3	5829.4	5027.2	3586.4	1833.7	1151.5	1096.0	1040.5	1016.5	1030.0	1069.0
40°	6546.1	6363.1	5450.1	3751.3	1605.8	1058.5	992.6	935.6	907.1	911.6	959.6
42.5°	7193.8	7004.9	5967.3	3967.2	1416.9	995.6	884.6	826.1	788.6	809.6	865.1
45°	8177.3	7962.9	6721.5	4154.6	1266.9	980.6	790.1	707.7	689.7	725.7	791.6
47.5°	9520.7	9258.3	7757.5	4268.6	1139.5	994.1	724.2	611.7	616.2	656.7	722.7
50°	10853.6	10570.3	8955.5	4118.7	1034.5	967.1	691.2	536.8	565.2	601.2	661.2
52.5°	11769.7	11400.9	9538.7	3685.3	938.6	865.1	688.2	466.3	520.3	532.3	583.2
55°	11805.7	11351.4	9240.4	2905.7	808.1	730.2	656.7	407.8	470.8	475.3	518.8
57.5°	10348.4	9937.5	8075.4	1995.6	718.2	535.3	523.3	356.8	386.8	424.3	451.3
60°	7873.0	7523.6	6039.3	914.6	545.8	340.3	358.3	307.4	289.4	344.8	371.8
62.5°	4821.8	4598.4	3622.4	404.8	347.8	181.4	217.4	244.4	217.4	238.4	260.9
65°	1914.6	1815.7	1374.9	172.4	142.4	91.5	99.0	142.4	152.9	167.9	188.9
67.5°	332.9	314.9	230.9	76.5	58.5	55.5	48.0	66.0	93.0	103.5	119.9
70°	43.5	42.0	37.5	31.5	30.0	27.0	21.0	42.0	63.0	66.0	76.5
72.5°	10.5	9.0	9.0	7.5	9.0	3.0	3.0	22.5	45.0	46.5	54.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	28.5	31.5	37.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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°	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6
2.5°	1743.7	1713.7	1703.2	1688.2	1668.8	1674.7	1647.8	1638.8	1652.3	1670.3	1665.8
5°	1584.8	1551.8	1529.3	1494.8	1488.8	1475.3	1466.3	1454.3	1469.3	1490.3	1494.8
7.5°	1458.8	1430.4	1407.9	1397.4	1389.9	1383.9	1365.9	1356.9	1356.9	1365.9	1373.4
10°	1404.9	1383.9	1379.4	1382.4	1394.4	1392.9	1376.4	1364.4	1349.4	1341.9	1350.9
12.5°	1479.8	1445.4	1439.4	1440.9	1455.8	1454.3	1436.4	1421.4	1418.4	1421.4	1449.8
15°	1607.3	1554.8	1515.8	1508.3	1515.8	1512.8	1499.3	1490.3	1494.8	1538.3	1586.3
17.5°	1721.2	1640.3	1569.8	1542.8	1541.3	1536.8	1523.3	1520.3	1542.8	1623.8	1694.2
20°	1754.2	1674.7	1574.3	1539.8	1532.3	1527.8	1512.8	1517.3	1545.8	1643.3	1703.2
22.5°	1710.7	1634.3	1529.3	1494.8	1488.8	1487.3	1472.3	1478.3	1502.3	1587.8	1637.3
25°	1628.3	1563.8	1454.3	1424.4	1424.4	1421.4	1407.9	1410.9	1425.9	1500.8	1548.8
27.5°	1527.8	1466.3	1374.9	1344.9	1349.4	1353.9	1337.4	1332.9	1344.9	1415.4	1443.9
30°	1412.4	1368.9	1296.9	1269.9	1268.4	1286.4	1263.9	1257.9	1274.4	1329.9	1335.9
32.5°	1299.9	1278.9	1227.9	1207.0	1208.5	1211.5	1199.5	1199.5	1214.5	1244.4	1242.9
35°	1190.5	1177.0	1168.0	1153.0	1151.5	1145.5	1145.5	1148.5	1165.0	1175.5	1156.0
37.5°	1085.5	1099.0	1109.5	1094.5	1082.5	1082.5	1082.5	1096.0	1111.0	1106.5	1073.5
40°	992.6	1021.0	1054.0	1037.5	1009.0	1007.5	1013.5	1036.0	1058.5	1031.5	1001.6
42.5°	913.1	949.1	995.6	986.6	955.1	950.6	955.1	983.6	1001.6	967.1	934.1
45°	835.1	880.1	935.6	935.6	901.1	896.6	898.1	935.6	946.1	905.6	863.6
47.5°	769.2	818.6	877.1	877.1	848.6	839.6	847.1	886.1	893.6	836.6	797.6
50°	706.2	760.2	824.6	820.1	800.6	793.1	806.6	848.6	839.6	776.7	736.2
52.5°	626.7	683.7	772.2	776.7	766.2	767.7	784.1	811.1	785.6	709.2	674.7
55°	554.8	613.2	701.7	725.7	725.7	724.2	731.7	752.7	731.7	640.2	598.2
57.5°	476.8	526.3	599.7	605.7	610.2	593.7	604.2	632.7	622.2	544.3	520.3
60°	391.3	433.3	475.3	479.8	460.3	425.8	445.3	478.3	485.8	427.3	400.3
62.5°	277.4	317.9	367.3	367.3	347.8	313.4	338.8	367.3	356.8	296.9	280.4
65°	206.9	244.4	281.9	298.4	281.9	257.9	277.4	298.4	281.9	232.4	208.4
67.5°	133.4	158.9	181.4	194.9	197.9	194.9	203.9	197.9	178.4	145.4	131.9
70°	81.0	94.5	106.5	118.4	127.4	131.9	136.4	122.9	103.5	85.5	81.0
72.5°	58.5	70.5	81.0	90.0	100.5	103.5	103.5	94.5	76.5	60.0	55.5
75°	40.5	51.0	60.0	66.0	75.0	78.0	78.0	70.5	57.0	43.5	39.0
77.5°	1.5	10.5	10.5	9.0	12.0	15.0	15.0	18.0	16.5	12.0	10.5
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°	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6
2.5°	1674.7	1728.7	1743.7	1799.2	1848.7	1898.1	1958.1	1994.1	2048.1	2085.6	2106.6
5°	1509.8	1554.8	1608.8	1691.2	1776.7	1871.2	1985.1	2084.1	2208.5	2300.0	2330.0
7.5°	1389.9	1448.4	1511.3	1614.8	1731.7	1857.7	2018.1	2180.0	2370.4	2494.9	2574.3
10°	1367.4	1427.4	1511.3	1613.3	1736.2	1880.2	2076.6	2286.5	2524.9	2676.3	2766.3
12.5°	1475.3	1539.8	1575.8	1622.3	1715.2	1875.7	2127.5	2394.4	2674.8	2839.7	2935.7
15°	1634.3	1691.2	1632.8	1574.3	1634.3	1827.7	2156.0	2484.4	2806.7	2997.2	3096.1
17.5°	1743.7	1748.2	1620.8	1496.3	1512.8	1740.7	2166.5	2574.3	2947.7	3147.1	3250.5
20°	1733.2	1697.2	1568.3	1430.4	1379.4	1628.3	2154.5	2653.8	3090.1	3298.5	3400.5
22.5°	1652.3	1610.3	1500.8	1365.9	1266.9	1494.8	2133.5	2725.8	3220.6	3457.4	3553.4
25°	1554.8	1509.8	1419.9	1301.4	1195.0	1365.9	2117.1	2824.7	3385.5	3664.4	3739.3
27.5°	1440.9	1401.9	1325.4	1239.9	1165.0	1268.4	2112.6	2955.2	3584.9	3916.2	3968.7
30°	1329.9	1293.9	1233.9	1184.5	1153.0	1211.5	2097.6	3094.6	3823.3	4205.6	4262.6
32.5°	1223.5	1187.5	1150.0	1142.5	1144.0	1190.5	2046.6	3232.6	4106.7	4625.4	4667.4
35°	1132.0	1090.0	1075.0	1093.0	1126.0	1154.5	1902.6	3346.5	4411.0	5082.7	5117.2
37.5°	1045.0	1003.1	1001.6	1045.0	1081.0	1099.0	1733.2	3458.9	4821.8	5547.5	5591.0
40°	965.6	923.6	938.6	991.1	1019.5	1028.5	1527.8	3629.9	5256.6	6037.8	6013.8
42.5°	898.1	854.6	863.6	931.1	956.6	980.6	1338.9	3772.3	5675.0	6502.6	6495.1
45°	832.1	799.1	793.1	866.6	889.1	985.1	1201.0	3881.8	6213.2	7094.8	7106.8
47.5°	767.7	742.2	743.7	775.2	830.6	1007.5	1084.0	3953.7	6994.4	8033.4	7825.0
50°	709.2	689.7	706.2	670.2	793.1	979.1	983.6	3938.7	7867.0	8933.0	8514.7
52.5°	644.7	640.2	647.7	560.7	733.2	863.6	889.1	3739.3	8276.3	9547.7	9309.3
55°	578.7	577.2	517.3	448.3	613.2	689.7	761.7	3120.1	8262.8	9874.6	10163.9
57.5°	500.8	488.8	392.8	365.8	476.8	479.8	694.2	2043.6	7322.7	9091.9	9691.7
60°	379.3	370.3	287.9	296.9	332.9	307.4	553.3	1018.0	5472.5	7082.8	7759.0
62.5°	262.4	250.4	214.4	229.4	214.4	175.4	338.8	503.8	3315.0	4472.5	5085.7
65°	191.9	178.4	146.9	125.9	100.5	100.5	128.9	193.4	1283.4	1901.1	2292.5
67.5°	118.4	112.4	87.0	63.0	61.5	66.0	67.5	96.0	206.9	329.9	403.3
70°	76.5	70.5	58.5	40.5	37.5	39.0	40.5	45.0	52.5	57.0	69.0
72.5°	52.5	49.5	42.0	22.5	18.0	19.5	21.0	21.0	25.5	24.0	28.5
75°	37.5	34.5	30.0	10.5	6.0	7.5	9.0	7.5	9.0	6.0	7.5
77.5°	10.5	10.5	7.5	1.5	0.0	1.5	3.0	3.0	1.5	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	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: P641999

CATALOG NUMBER: GWS-SA6C-722-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6	1905.6
2.5°	2160.5	2195.0	2208.5	2189.0	2205.5	2178.5	2168.0	2127.5	2124.5	2117.1
5°	2451.4	2529.4	2575.8	2604.3	2571.3	2535.4	2481.4	2388.4	2359.9	2342.0
7.5°	2737.8	2859.2	2938.7	2976.2	2967.2	2893.7	2796.2	2640.3	2584.8	2557.9
10°	2986.7	3135.1	3231.1	3277.5	3258.0	3193.6	3054.1	2859.2	2785.8	2769.3
12.5°	3160.6	3297.0	3363.0	3403.5	3405.0	3379.5	3247.5	3051.1	2964.2	2943.2
15°	3270.0	3328.5	3330.0	3354.0	3396.0	3453.0	3391.5	3217.6	3124.6	3093.1
17.5°	3339.0	3274.5	3208.6	3214.6	3283.5	3435.0	3497.9	3364.5	3265.5	3231.1
20°	3388.5	3184.6	3061.6	3063.1	3133.6	3363.0	3571.4	3506.9	3405.0	3373.5
22.5°	3420.0	3105.1	2929.7	2925.2	3000.2	3277.5	3638.9	3676.4	3575.9	3539.9
25°	3484.4	3067.6	2850.2	2875.7	2941.7	3250.5	3730.3	3901.3	3808.3	3760.3
27.5°	3599.9	3105.1	2842.7	2901.2	2976.2	3330.0	3889.3	4201.1	4105.2	4051.2
30°	3799.3	3246.0	2958.2	3039.1	3129.1	3538.4	4156.1	4619.4	4481.5	4430.5
32.5°	4120.2	3538.4	3315.0	3488.9	3575.9	3880.3	4556.5	5088.7	4976.3	4874.3
35°	4562.5	4205.6	4180.1	4584.9	4564.0	4528.0	5048.2	5664.5	5495.0	5396.1
37.5°	5171.2	5279.1	5468.0	5869.9	5856.4	5582.0	5694.4	6208.7	6121.8	5994.3
40°	5931.3	6160.7	6481.6	7057.3	6877.4	6532.6	6487.6	6766.5	6696.0	6546.1
42.5°	6379.6	6775.5	7387.2	7904.5	7760.5	7157.8	7106.8	7511.6	7357.2	7193.8
45°	6588.0	7276.2	8475.7	9175.9	8739.6	7573.1	7553.6	8483.2	8396.2	8177.3
47.5°	6684.0	7781.5	9750.1	10810.2	9994.5	7937.4	7867.0	9892.6	9778.6	9520.7
50°	6790.5	8478.7	11285.4	12703.8	11510.3	8349.8	8400.7	11206.0	11158.0	10853.6
52.5°	7024.4	9216.4	13176.1	14868.8	13348.5	8996.0	9316.8	12444.4	12120.6	11769.7
55°	7375.2	10020.0	15143.2	17080.3	15224.2	9864.1	10307.9	13102.6	12194.0	11805.7
57.5°	6986.9	10220.9	16308.2	18624.7	16056.3	9867.1	9469.8	11961.6	10724.7	10348.4
60°	5544.5	9508.7	15859.9	18290.3	15347.1	8762.1	7250.7	9339.3	8124.9	7873.0
62.5°	3748.3	7974.9	13961.7	15468.6	13135.6	6892.4	4712.4	6073.8	5030.2	4821.8
65°	2054.1	5949.3	11280.9	11702.3	10280.9	4814.3	2424.4	2635.8	2007.6	1914.6
67.5°	566.7	4141.1	8300.3	7763.5	7213.3	3135.1	626.7	470.8	335.8	332.9
70°	142.4	2739.3	4973.3	5126.2	4423.0	2007.6	119.9	57.0	45.0	43.5
72.5°	60.0	1178.5	2359.9	2712.3	2264.0	929.6	43.5	16.5	13.5	10.5
75°	7.5	94.5	200.9	304.4	208.4	100.5	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)