

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: P642003

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642003
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11158.3 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

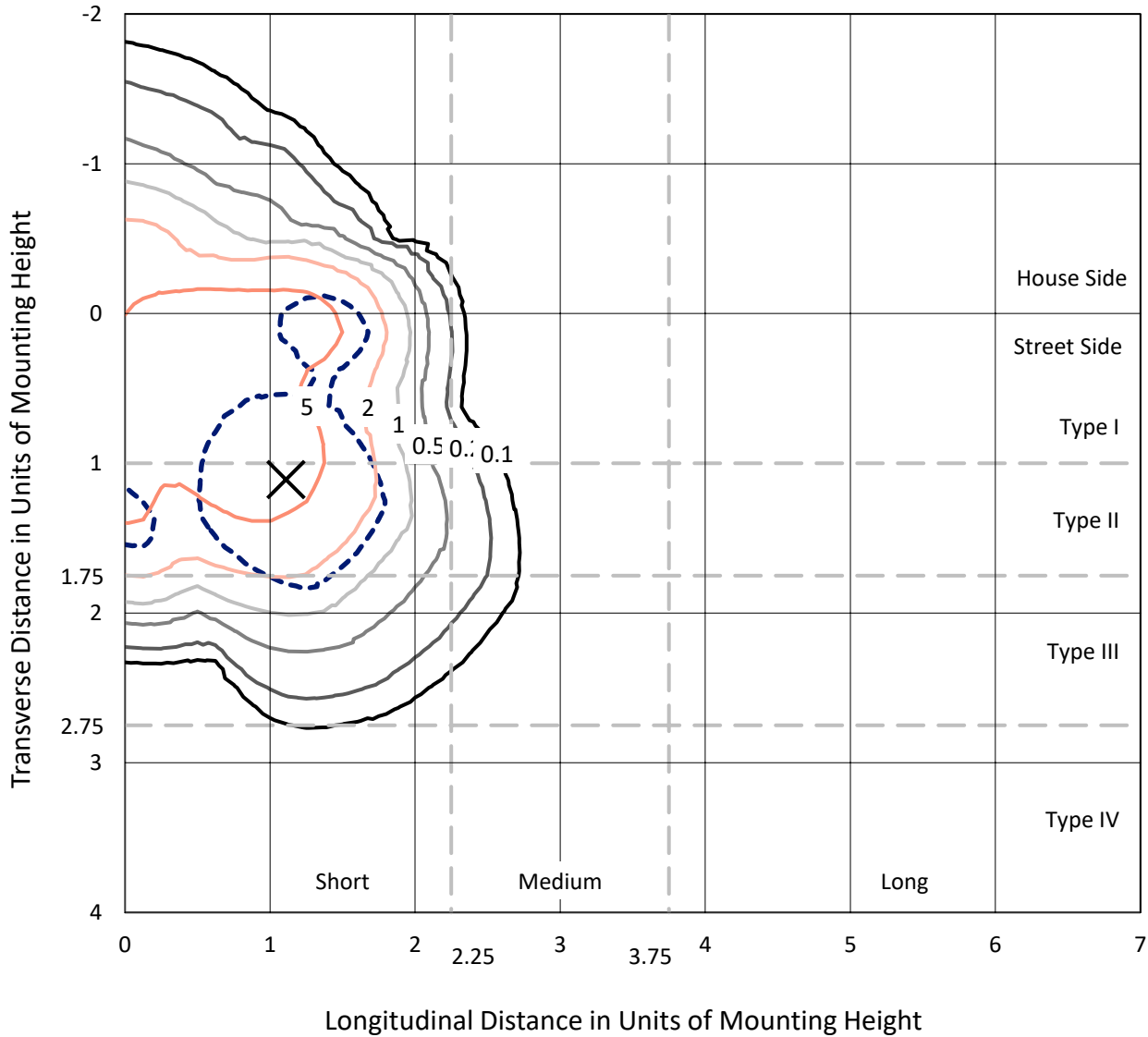
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642003
 CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

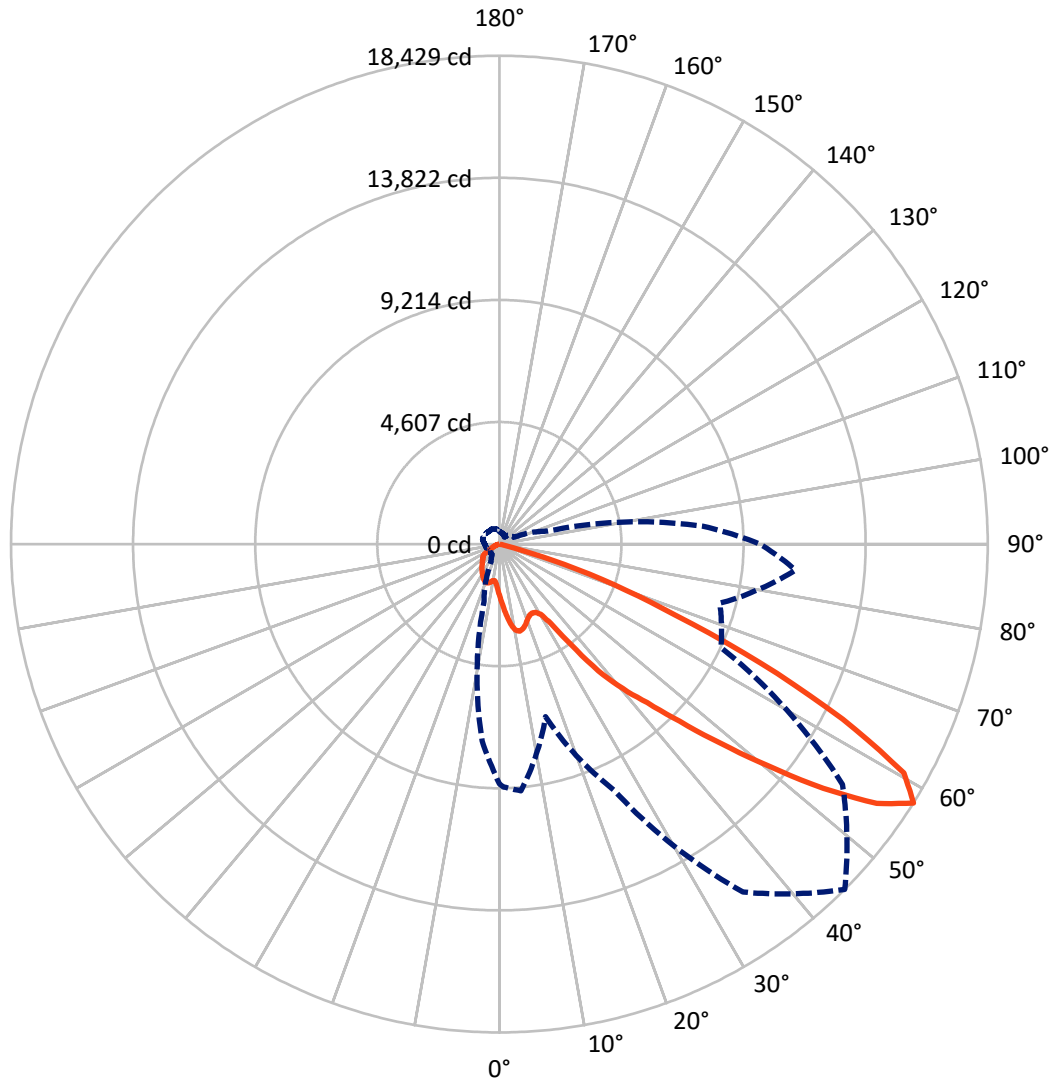
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Short - N/A

REPORT NUMBER: P642003
CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642003

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2498.6	0.0	2498.6
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	8659.7	0.0	8659.7
	% Fixture	77.6	0.0	77.6
Total	Lumens	11158.3	0.0	11158.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.9	1.7
10°-20°	624.1	5.6
20°-30°	1013.9	9.1
30°-40°	1566.6	14.0
40°-50°	2512.0	22.5
50°-60°	3433.3	30.8
60°-70°	1662.8	14.9
70°-80°	152.3	1.4
80°-90°	0.4	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°	11158.3	100.0
0°-180°	11158.3	100.0

Coefficient of Utilization



REPORT NUMBER: P642003

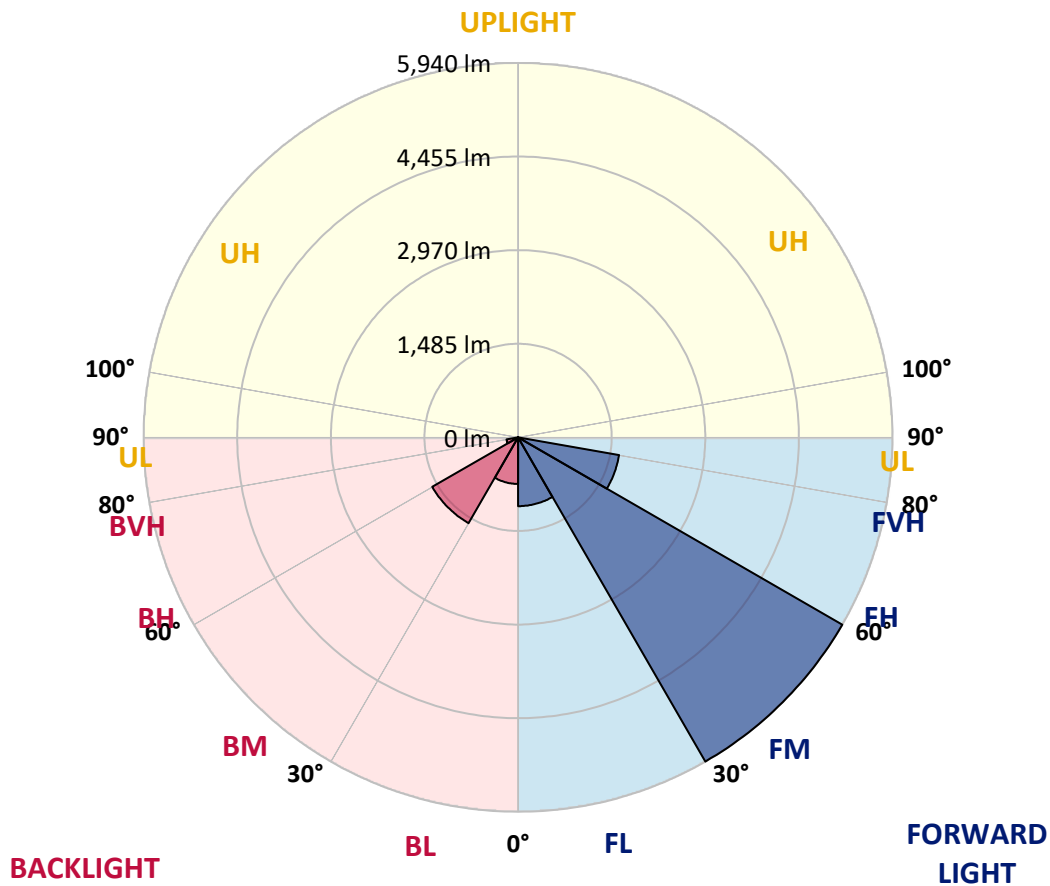
CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1091.6	9.8			
FM (30°-60°)	5939.8	53.2			
FH (60°-80°)	1627.8	14.6			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	739.3	6.6	B2/1000		
BM (30°-60°)	1572.0	14.1	B2/2500		
BH (60°-80°)	187.3	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: B2-U0-G1

Type III Short





REPORT NUMBER: P642003

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2
2.5°	2124.6	2138.1	2160.6	2208.6	2249.1	2276.1	2288.1	2285.1	2268.6	2256.6	2232.6
5°	2352.5	2352.5	2396.0	2505.5	2589.4	2641.9	2668.9	2652.4	2619.4	2566.9	2486.0
7.5°	2551.9	2559.4	2632.9	2788.8	2916.3	2991.3	3034.7	3025.8	2967.3	2866.8	2704.9
10°	2707.9	2716.9	2814.3	3004.8	3154.7	3231.2	3295.6	3301.6	3237.2	3103.7	2917.8
12.5°	2859.3	2868.3	2970.3	3153.2	3285.1	3316.6	3373.6	3396.1	3379.6	3285.1	3091.7
15°	3022.8	3043.7	3130.7	3267.2	3322.6	3285.1	3322.6	3363.1	3418.6	3409.6	3235.7
17.5°	3183.2	3198.2	3286.6	3334.6	3273.1	3175.7	3193.7	3241.7	3367.6	3490.6	3378.1
20°	3331.6	3352.6	3426.1	3363.1	3177.2	3025.8	3027.3	3090.2	3282.1	3540.0	3523.5
22.5°	3487.6	3519.0	3571.5	3394.6	3088.7	2907.3	2914.8	2971.8	3214.7	3586.5	3688.5
25°	3691.5	3721.5	3756.0	3472.6	3060.2	2848.8	2877.3	2929.8	3214.7	3666.0	3892.4
27.5°	3967.4	3988.4	3989.9	3618.0	3109.7	2857.8	2917.8	2977.8	3310.6	3824.9	4165.3
30°	4313.7	4346.7	4303.2	3844.4	3264.2	2977.8	3066.2	3141.2	3517.5	4093.3	4567.1
32.5°	4735.0	4781.5	4723.1	4180.3	3586.5	3391.6	3552.0	3595.5	3847.4	4481.7	5022.9
35°	5229.8	5268.8	5205.9	4645.1	4339.2	4375.2	4666.1	4610.6	4510.1	4960.0	5555.2
37.5°	5772.6	5808.6	5687.2	5349.8	5451.8	5607.7	6072.5	5882.1	5558.2	5576.2	6132.5
40°	6270.4	6309.4	6119.0	6116.0	6325.9	6610.8	7171.5	6909.1	6468.3	6382.9	6673.7
42.5°	6786.2	6813.2	6640.8	6523.8	7000.6	7586.9	8180.6	7826.8	7071.1	6978.1	7351.5
45°	7522.4	7579.4	7272.0	6724.7	7607.9	8709.9	9537.6	8846.4	7481.9	7406.9	8389.0
47.5°	8605.0	8646.9	8020.2	6850.7	8173.1	10108.8	11233.4	10168.8	7843.3	7672.3	9807.5
50°	9500.1	9528.6	8708.4	6988.6	8774.4	11617.2	13166.1	11737.2	8249.6	8111.7	11131.4
52.5°	10159.8	10267.8	9612.5	7272.0	9564.6	13391.0	15305.7	13594.9	8883.8	8960.3	12229.0
55°	10296.3	10443.2	10230.3	7445.9	10260.3	15197.7	17281.9	15257.7	9516.6	9603.5	12597.8
57.5°	9048.8	9165.7	9342.6	6744.2	10243.8	16025.4	18428.9	15809.5	9228.7	8612.4	11216.9
60°	6778.7	6859.7	7180.5	5154.9	9420.6	15293.7	17535.3	14870.9	8069.7	6571.8	8546.5
62.5°	4019.8	4055.8	4462.2	3339.1	7819.3	13170.6	14542.5	12831.7	6376.9	4420.2	5234.3
65°	1542.9	1527.9	1838.2	1647.8	5750.1	10491.2	10816.5	9782.0	4375.2	2025.7	1995.7
67.5°	238.4	227.9	307.4	487.3	4147.3	7270.5	7137.1	7050.1	2740.9	472.3	412.3
70°	54.0	54.0	66.0	143.9	2534.0	4271.7	4571.6	4358.7	1754.3	100.5	54.0
72.5°	25.5	25.5	31.5	61.5	917.6	1760.3	2051.2	2019.7	569.8	33.0	19.5
75°	9.0	10.5	10.5	13.5	55.5	91.5	209.9	149.9	36.0	0.0	0.0
77.5°	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.5	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	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: P642003

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2
2.5°	2180.1	2169.6	2130.6	2078.1	2027.2	1982.2	1935.7	1880.2	1839.7	1793.3	1778.3
5°	2423.0	2357.0	2250.6	2139.6	2037.7	1950.7	1866.7	1776.8	1710.8	1644.8	1622.3
7.5°	2628.4	2531.0	2358.5	2192.1	2052.7	1929.7	1808.3	1685.3	1589.3	1511.4	1487.4
10°	2812.8	2700.4	2469.5	2264.1	2088.6	1946.2	1799.3	1644.8	1520.4	1427.4	1404.9
12.5°	2971.8	2841.3	2563.9	2318.0	2103.6	1940.2	1797.8	1674.8	1562.4	1455.9	1427.4
15°	3105.2	2961.3	2643.4	2354.0	2081.1	1865.2	1740.8	1721.3	1712.3	1595.3	1539.9
17.5°	3235.7	3073.7	2707.9	2370.5	2018.2	1733.3	1643.3	1731.8	1826.2	1749.8	1679.3
20°	3372.1	3187.7	2773.9	2373.5	1913.2	1584.8	1569.9	1709.3	1829.2	1805.3	1739.3
22.5°	3532.5	3330.1	2856.3	2372.0	1781.3	1458.9	1515.9	1665.8	1763.3	1761.8	1709.3
25°	3764.9	3510.1	2967.3	2381.0	1637.3	1361.4	1455.9	1592.3	1671.8	1668.8	1625.3
27.5°	4013.8	3724.5	3111.2	2403.5	1514.4	1304.5	1385.4	1491.9	1560.9	1557.9	1520.4
30°	4363.2	3971.9	3249.2	2405.0	1425.9	1274.5	1307.5	1380.9	1446.9	1439.4	1410.9
32.5°	4787.5	4250.7	3364.6	2319.5	1370.4	1246.0	1226.5	1264.0	1315.0	1304.5	1297.0
35°	5300.3	4582.1	3463.6	2132.1	1285.0	1189.0	1136.5	1144.0	1180.0	1186.0	1183.0
37.5°	5885.1	4976.4	3586.5	1884.7	1169.5	1106.5	1036.1	1030.1	1051.1	1070.6	1085.6
40°	6462.3	5420.3	3753.0	1634.3	1064.6	1001.6	934.1	919.1	928.1	962.6	994.1
42.5°	7111.6	5934.6	3932.9	1419.9	992.6	886.1	821.7	793.2	818.7	874.1	911.6
45°	8047.2	6655.8	4108.3	1249.0	962.6	784.2	697.2	694.2	722.7	794.7	836.7
47.5°	9360.6	7588.4	4223.8	1115.5	961.1	704.7	601.3	619.2	652.2	722.7	770.7
50°	10641.1	8756.4	4096.3	1013.6	929.6	652.2	529.3	565.3	598.3	659.7	709.2
52.5°	11413.3	9384.6	3600.0	917.6	832.2	628.2	458.8	521.8	527.8	583.3	635.7
55°	11332.3	8978.3	2757.4	769.2	688.2	593.8	385.3	470.8	473.8	515.8	560.8
57.5°	9835.9	7708.3	1893.7	623.7	517.3	490.3	317.9	397.3	425.8	451.3	484.3
60°	7330.5	5624.2	844.2	506.8	328.4	331.4	271.4	299.9	343.4	373.3	401.8
62.5°	4319.7	3235.7	343.4	304.4	181.4	208.4	218.9	218.9	245.9	268.4	286.4
65°	1632.8	1132.0	139.4	152.9	94.5	97.5	128.9	158.9	179.9	199.4	223.4
67.5°	286.4	197.9	72.0	57.0	55.5	49.5	66.0	103.5	115.5	130.4	140.9
70°	48.0	40.5	30.0	28.5	25.5	27.0	43.5	73.5	81.0	85.5	90.0
72.5°	13.5	12.0	9.0	7.5	6.0	7.5	27.0	57.0	60.0	63.0	67.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	10.5	40.5	43.5	45.0	49.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	12.0	15.0	12.0
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: P642003

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2
2.5°	1769.3	1739.3	1722.8	1713.8	1713.8	1701.8	1688.3	1683.8	1703.3	1703.3	1736.3
5°	1593.8	1569.9	1542.9	1526.4	1500.9	1505.4	1490.4	1488.9	1508.4	1517.4	1551.9
7.5°	1472.4	1442.4	1425.9	1415.4	1401.9	1395.9	1382.4	1377.9	1388.4	1403.4	1436.4
10°	1391.4	1386.9	1385.4	1392.9	1392.9	1385.4	1373.4	1365.9	1368.9	1397.4	1434.9
12.5°	1412.4	1421.4	1424.4	1436.4	1442.4	1436.4	1427.4	1430.4	1449.9	1502.4	1557.9
15°	1503.9	1496.4	1493.4	1499.4	1503.9	1497.9	1494.9	1517.4	1584.8	1659.8	1722.8
17.5°	1601.3	1553.4	1532.4	1532.4	1535.4	1532.4	1535.4	1578.8	1688.3	1763.3	1809.8
20°	1650.8	1562.4	1529.4	1521.9	1527.9	1529.4	1539.9	1589.3	1709.3	1761.8	1772.3
22.5°	1635.8	1524.9	1487.4	1481.4	1487.4	1493.4	1503.9	1545.9	1658.3	1685.3	1680.8
25°	1560.9	1451.4	1421.4	1421.4	1434.9	1433.4	1437.9	1467.9	1560.9	1577.3	1569.9
27.5°	1466.4	1362.9	1337.4	1352.4	1364.4	1361.4	1362.9	1388.4	1457.4	1461.9	1454.4
30°	1370.4	1280.5	1256.5	1274.5	1291.0	1288.0	1289.5	1315.0	1358.4	1353.9	1343.4
32.5°	1273.0	1207.0	1189.0	1199.5	1225.0	1222.0	1228.0	1255.0	1271.5	1252.0	1240.0
35°	1183.0	1148.5	1135.0	1141.0	1160.5	1165.0	1175.5	1193.5	1193.5	1169.5	1148.5
37.5°	1099.0	1094.5	1085.6	1078.1	1096.0	1109.5	1124.5	1145.5	1115.5	1081.1	1061.6
40°	1021.1	1040.6	1028.6	1009.1	1019.6	1039.1	1069.1	1085.6	1049.6	1015.1	982.1
42.5°	949.1	982.1	977.6	953.6	962.6	980.6	1015.1	1028.6	986.6	947.6	916.1
45°	880.1	926.6	929.6	899.6	908.6	926.6	967.1	971.6	917.6	875.6	853.1
47.5°	820.2	871.1	872.6	850.1	853.1	878.6	916.1	917.6	856.1	817.2	788.7
50°	763.2	821.7	826.2	806.7	809.7	839.7	871.1	865.1	799.2	758.7	733.2
52.5°	694.2	773.7	784.2	775.2	787.2	811.2	830.7	809.7	733.2	692.7	670.2
55°	619.2	722.7	745.2	739.2	752.7	772.2	776.7	763.2	667.2	626.7	605.8
57.5°	532.3	595.3	634.2	622.2	632.7	652.2	665.7	655.2	583.3	551.8	533.8
60°	440.8	482.8	491.8	472.3	463.3	497.8	529.3	515.8	454.3	434.8	413.8
62.5°	322.4	370.3	376.3	350.9	340.4	377.8	404.8	391.3	323.9	302.9	286.4
65°	257.9	302.9	314.9	290.9	284.9	313.4	329.9	296.9	248.9	226.4	208.4
67.5°	169.4	205.4	236.9	235.4	223.4	232.4	220.4	193.4	158.9	146.9	134.9
70°	105.0	125.9	145.4	152.9	151.4	148.4	131.9	112.5	102.0	97.5	91.5
72.5°	81.0	102.0	117.0	121.4	122.9	118.5	105.0	87.0	76.5	70.5	66.0
75°	60.0	76.5	88.5	94.5	97.5	94.5	81.0	69.0	58.5	54.0	49.5
77.5°	21.0	25.5	31.5	34.5	33.0	31.5	28.5	28.5	22.5	21.0	18.0
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: P642003

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2	1961.2
2.5°	1773.8	1800.8	1850.2	1895.2	1943.2	1992.7	2046.7	2102.1	2127.6	2124.6
5°	1604.3	1662.8	1743.8	1832.2	1931.2	2037.7	2156.1	2277.6	2330.0	2352.5
7.5°	1497.9	1580.3	1686.8	1799.3	1929.7	2081.1	2259.6	2450.0	2526.5	2551.9
10°	1511.4	1607.3	1695.8	1805.3	1944.7	2141.1	2363.0	2589.4	2679.4	2707.9
12.5°	1620.8	1641.8	1665.8	1755.8	1931.2	2186.1	2457.5	2727.4	2830.8	2859.3
15°	1719.8	1622.3	1577.3	1659.8	1883.2	2217.6	2553.4	2875.8	2989.8	3022.8
17.5°	1724.3	1577.3	1476.9	1541.4	1805.3	2231.1	2647.9	3027.3	3151.7	3183.2
20°	1668.8	1527.9	1398.9	1400.4	1698.8	2228.1	2725.9	3163.7	3303.1	3331.6
22.5°	1587.8	1469.4	1335.9	1289.5	1584.8	2222.1	2811.3	3309.1	3460.6	3487.6
25°	1497.9	1394.4	1276.0	1205.5	1470.9	2228.1	2931.3	3499.6	3666.0	3691.5
27.5°	1400.4	1312.0	1229.5	1172.5	1374.9	2250.6	3075.2	3742.5	3940.4	3967.4
30°	1298.5	1232.5	1199.5	1165.0	1315.0	2256.6	3231.2	4025.8	4276.2	4313.7
32.5°	1198.0	1162.0	1163.5	1169.5	1258.0	2214.6	3373.6	4340.7	4675.1	4735.0
35°	1105.0	1094.5	1124.5	1154.5	1175.5	2106.6	3498.1	4712.6	5168.4	5229.8
37.5°	1025.6	1034.6	1072.1	1102.0	1085.6	1953.7	3663.0	5177.4	5720.1	5772.6
40°	949.1	971.6	1015.1	1028.6	1016.6	1775.3	3860.9	5625.7	6198.4	6270.4
42.5°	878.6	895.1	956.6	959.6	997.1	1593.8	4051.3	6108.5	6748.7	6786.2
45°	821.7	818.7	881.6	901.1	1022.6	1392.9	4237.3	6751.7	7468.4	7522.4
47.5°	766.2	763.2	778.2	866.6	1033.1	1207.0	4421.7	7693.3	8512.0	8605.0
50°	713.7	718.2	671.7	850.1	976.1	1064.6	4505.6	8564.5	9461.1	9500.1
52.5°	667.2	650.7	569.8	796.2	854.6	929.6	4267.2	8960.3	10048.9	10159.8
55°	601.3	509.8	469.3	646.2	674.7	811.2	3495.1	8730.9	10099.8	10296.3
57.5°	514.3	400.3	398.8	476.8	476.8	752.7	2238.6	7459.4	8703.9	9048.8
60°	395.8	310.4	329.9	331.4	305.9	548.8	1256.5	5403.8	6435.3	6778.7
62.5°	281.9	236.9	248.9	197.9	175.4	274.4	602.8	3111.2	3971.9	4019.8
65°	188.9	160.4	130.4	109.5	108.0	117.0	248.9	1124.5	1367.4	1542.9
67.5°	124.4	97.5	69.0	69.0	78.0	78.0	94.5	185.9	260.9	238.4
70°	81.0	67.5	43.5	42.0	51.0	51.0	48.0	51.0	54.0	54.0
72.5°	60.0	51.0	25.5	22.5	28.5	30.0	27.0	25.5	25.5	25.5
75°	45.0	36.0	15.0	10.5	13.5	18.0	15.0	10.5	10.5	9.0
77.5°	18.0	13.5	6.0	4.5	7.5	10.5	9.0	4.5	3.0	3.0
80°	1.5	3.0	3.0	3.0	4.5	6.0	7.5	3.0	1.5	1.5
82.5°	0.0	1.5	1.5	1.5	3.0	4.5	6.0	3.0	1.5	1.5
85°	0.0	0.0	0.0	0.0	3.0	4.5	3.0	1.5	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.5	4.5	3.0	1.5	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

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