

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: P640518

Luminaire Tested: GWS-SA5E-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640518
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-SA5E-722-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14752.4 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

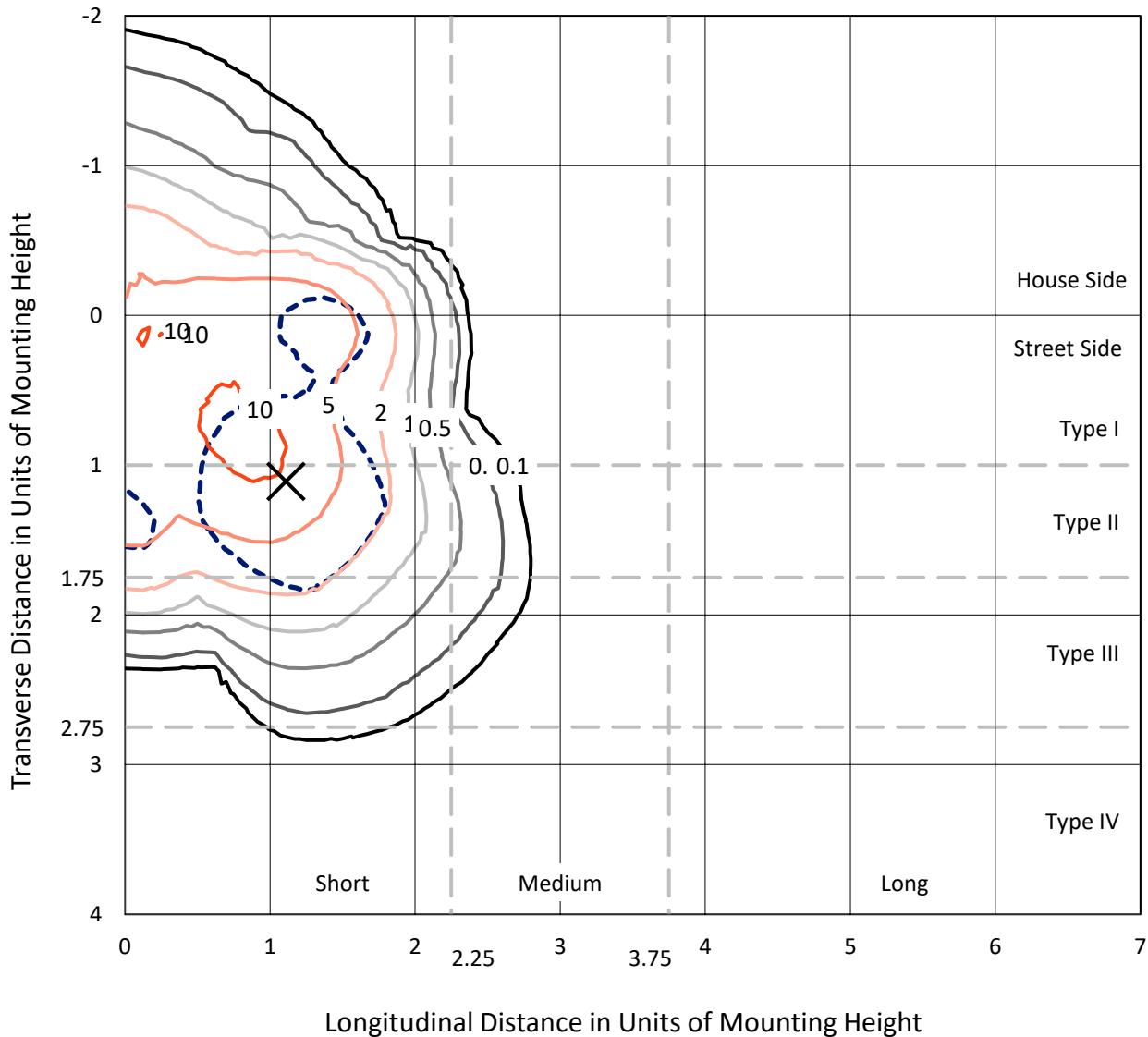
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640518
 CATALOG NUMBER: GWS-SA5E-722-U-SLR-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

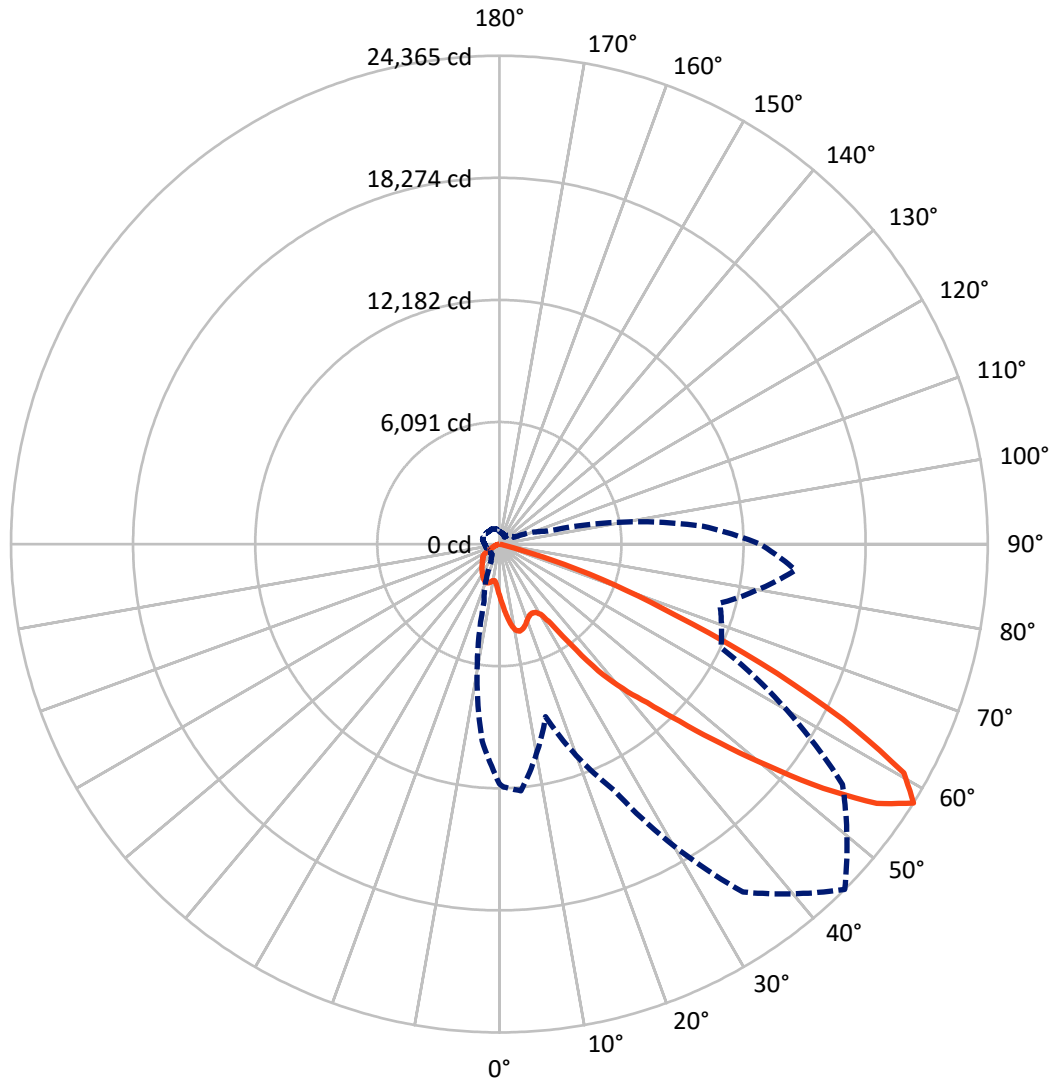
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Short - N/A

REPORT NUMBER: P640518
CATALOG NUMBER: GWS-SA5E-722-U-SLR-W-GRSBK

Luminous Intensity Polar Plot



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



REPORT NUMBER: P640518
 CATALOG NUMBER: GWS-SA5E-722-U-SLR-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3303.5	0.0	3303.5
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	11448.9	0.0	11448.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	14752.4	0.0	14752.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.1	1.7
10°-20°	825.2	5.6
20°-30°	1340.4	9.1
30°-40°	2071.2	14.0
40°-50°	3321.1	22.5
50°-60°	4539.1	30.8
60°-70°	2198.4	14.9
70°-80°	201.3	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°	14752.4	100.0
0°-180°	14752.4	100.0

Coefficient of Utilization

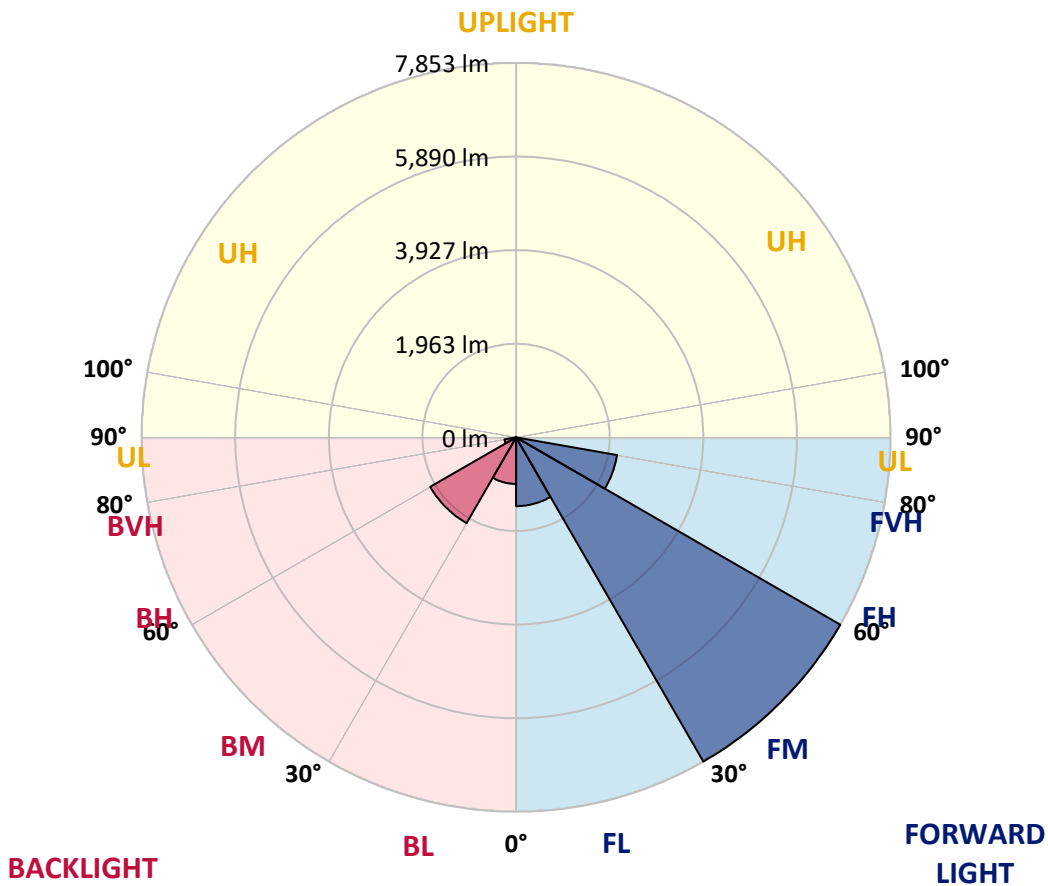


REPORT NUMBER: P640518
 CATALOG NUMBER: GWS-SA5E-722-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1443.2	9.8			
FM (30°-60°)	7853.0	53.2			
FH (60°-80°)	2152.1	14.6			G2/5000
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	977.5	6.6	B2/1000		
BM (30°-60°)	2078.4	14.1	B2/2500		
BH (60°-80°)	247.6	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-G2
 Type III Short





REPORT NUMBER: P640518

CATALOG NUMBER: GWS-SA5E-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9
2.5°	2809.0	2826.8	2856.5	2920.0	2973.5	3009.2	3025.0	3021.1	2999.3	2983.4	2951.7
5°	3110.3	3110.3	3167.8	3312.5	3423.5	3492.9	3528.6	3506.7	3463.1	3393.8	3286.7
7.5°	3373.9	3383.8	3481.0	3687.1	3855.6	3954.8	4012.2	4000.3	3923.0	3790.2	3576.1
10°	3580.1	3592.0	3720.8	3972.6	4170.8	4271.9	4357.2	4365.1	4279.9	4103.4	3857.6
12.5°	3780.3	3792.2	3927.0	4168.8	4343.3	4384.9	4460.3	4490.0	4468.2	4343.3	4087.6
15°	3996.4	4024.1	4139.1	4319.5	4392.9	4343.3	4392.9	4446.4	4519.7	4507.8	4277.9
17.5°	4208.5	4228.3	4345.3	4408.7	4327.4	4198.6	4222.4	4285.8	4452.3	4614.9	4466.2
20°	4404.7	4432.5	4529.6	4446.4	4200.6	4000.3	4002.3	4085.6	4339.3	4680.3	4658.5
22.5°	4610.9	4652.5	4721.9	4488.0	4083.6	3843.7	3853.7	3929.0	4250.1	4741.7	4876.5
25°	4880.5	4920.2	4965.7	4591.1	4045.9	3766.4	3804.1	3873.5	4250.1	4846.8	5146.1
27.5°	5245.3	5273.0	5275.0	4783.4	4111.4	3778.3	3857.6	3936.9	4377.0	5056.9	5506.9
30°	5703.2	5746.8	5689.3	5082.7	4315.5	3936.9	4053.9	4153.0	4650.6	5411.8	6038.2
32.5°	6260.2	6321.7	6244.4	5526.7	4741.7	4484.0	4696.1	4753.6	5086.7	5925.2	6640.8
35°	6914.4	6965.9	6882.7	6141.3	5736.9	5784.5	6169.0	6095.7	5962.9	6557.6	7344.5
37.5°	7632.0	7679.6	7519.0	7073.0	7207.8	7413.9	8028.5	7776.7	7348.5	7372.3	8107.7
40°	8290.1	8341.7	8089.9	8085.9	8363.5	8740.1	9481.5	9134.6	8551.8	8438.8	8823.4
42.5°	8972.0	9007.7	8779.8	8625.1	9255.5	10030.6	10815.6	10347.8	9348.7	9225.8	9719.4
45°	9945.4	10020.7	9614.3	8890.8	10058.4	11515.4	12609.6	11695.8	9891.8	9792.7	11091.2
47.5°	11376.6	11432.1	10603.5	9057.3	10805.7	13364.9	14851.6	13444.2	10369.6	10143.6	12966.4
50°	12560.1	12597.7	11513.4	9239.7	11600.6	15359.1	17406.9	15517.7	10906.8	10724.4	14716.8
52.5°	13432.3	13575.0	12708.7	9614.3	12645.3	17704.2	20235.7	17973.8	11745.3	11846.4	16167.9
55°	13612.7	13807.0	13525.5	9844.3	13565.1	20092.9	22848.4	20172.2	12581.9	12696.8	16655.6
57.5°	11963.4	12118.0	12351.9	8916.5	13543.3	21187.2	24364.9	20901.7	12201.3	11386.5	14829.8
60°	8962.1	9069.2	9493.4	6815.3	12455.0	20219.8	23183.4	19660.8	10668.9	8688.6	11299.3
62.5°	5314.6	5362.2	5899.4	4414.7	10337.9	17412.8	19226.7	16964.8	8430.9	5843.9	6920.3
65°	2039.8	2020.0	2430.3	2178.6	7602.3	13870.4	14300.6	12932.7	5784.5	2678.1	2638.5
67.5°	315.2	301.3	406.4	644.3	5483.1	9612.3	9435.9	9320.9	3623.7	624.4	545.1
70°	71.4	71.4	87.2	190.3	3350.1	5647.7	6044.1	5762.6	2319.3	132.8	71.4
72.5°	33.7	33.7	41.6	81.3	1213.2	2327.3	2711.8	2670.2	753.3	43.6	25.8
75°	11.9	13.9	13.9	17.8	73.3	120.9	277.5	198.2	47.6	0.0	0.0
77.5°	4.0	4.0	4.0	4.0	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



REPORT NUMBER: P640518

CATALOG NUMBER: GWS-SA5E-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9
2.5°	2882.3	2868.4	2816.9	2747.5	2680.1	2620.6	2559.2	2485.8	2432.3	2370.9	2351.0
5°	3203.5	3116.2	2975.5	2828.8	2694.0	2579.0	2468.0	2349.1	2261.8	2174.6	2144.9
7.5°	3475.0	3346.2	3118.2	2898.2	2713.8	2551.3	2390.7	2228.1	2101.3	1998.2	1966.5
10°	3718.9	3570.2	3264.9	2993.3	2761.4	2573.1	2378.8	2174.6	2010.1	1887.2	1857.4
12.5°	3929.0	3756.5	3389.8	3064.7	2781.2	2565.1	2376.8	2214.3	2065.6	1924.8	1887.2
15°	4105.4	3915.1	3494.9	3112.3	2751.5	2466.0	2301.5	2275.7	2263.8	2109.2	2035.9
17.5°	4277.9	4063.8	3580.1	3134.1	2668.2	2291.6	2172.6	2289.6	2414.5	2313.4	2220.2
20°	4458.3	4214.4	3667.3	3138.0	2529.5	2095.3	2075.5	2259.9	2418.4	2386.7	2299.5
22.5°	4670.4	4402.8	3776.3	3136.1	2355.0	1928.8	2004.1	2202.4	2331.2	2329.2	2259.9
25°	4977.6	4640.6	3923.0	3147.9	2164.7	1800.0	1924.8	2105.2	2210.3	2206.3	2148.8
27.5°	5306.7	4924.1	4113.3	3177.7	2002.2	1724.6	1831.7	1972.4	2063.6	2059.6	2010.1
30°	5768.6	5251.2	4295.7	3179.7	1885.2	1685.0	1728.6	1825.7	1913.0	1903.0	1865.4
32.5°	6329.6	5619.9	4448.4	3066.7	1811.9	1647.3	1621.5	1671.1	1738.5	1724.6	1714.7
35°	7007.6	6058.0	4579.2	2818.9	1698.9	1572.0	1502.6	1512.5	1560.1	1568.0	1564.1
37.5°	7780.7	6579.4	4741.7	2491.8	1546.2	1463.0	1369.8	1361.9	1389.6	1415.4	1435.2
40°	8543.9	7166.1	4961.8	2160.7	1407.5	1324.2	1235.0	1215.2	1227.1	1272.7	1314.3
42.5°	9402.2	7846.1	5199.7	1877.3	1312.3	1171.6	1086.3	1048.7	1082.4	1155.7	1205.3
45°	10639.2	8799.6	5431.6	1651.3	1272.7	1036.8	921.8	917.8	955.5	1050.6	1106.1
47.5°	12375.7	10032.6	5584.2	1474.9	1270.7	931.7	794.9	818.7	862.3	955.5	1018.9
50°	14068.6	11576.8	5415.7	1340.1	1229.0	862.3	699.8	747.3	791.0	872.2	937.6
52.5°	15089.5	12407.4	4759.6	1213.2	1100.2	830.6	606.6	689.9	697.8	771.1	840.5
55°	14982.5	11870.2	3645.5	1016.9	909.9	785.0	509.5	622.5	626.4	681.9	741.4
57.5°	13004.1	10191.2	2503.7	824.7	683.9	648.2	420.3	525.3	563.0	596.7	640.3
60°	9691.6	7435.7	1116.1	670.0	434.1	438.1	358.8	396.5	454.0	493.6	531.3
62.5°	5711.1	4277.9	454.0	402.4	239.9	275.5	289.4	289.4	325.1	354.8	378.6
65°	2158.8	1496.7	184.4	202.2	124.9	128.9	170.5	210.1	237.9	263.7	295.4
67.5°	378.6	261.7	95.2	75.3	73.3	65.4	87.2	136.8	152.6	172.5	186.3
70°	63.4	53.5	39.6	37.7	33.7	35.7	57.5	97.1	107.0	113.0	118.9
72.5°	17.8	15.9	11.9	9.9	7.9	9.9	35.7	75.3	79.3	83.3	89.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	13.9	53.5	57.5	59.5	65.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	15.9	19.8	15.9
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: P640518

CATALOG NUMBER: GWS-SA5E-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9
2.5°	2339.2	2299.5	2277.7	2265.8	2265.8	2249.9	2232.1	2226.2	2251.9	2251.9	2295.5
5°	2107.2	2075.5	2039.8	2018.0	1984.3	1990.3	1970.4	1968.5	1994.2	2006.1	2051.7
7.5°	1946.7	1907.0	1885.2	1871.3	1853.5	1845.6	1827.7	1821.8	1835.6	1855.5	1899.1
10°	1839.6	1833.7	1831.7	1841.6	1841.6	1831.7	1815.8	1805.9	1809.9	1847.5	1897.1
12.5°	1867.4	1879.3	1883.2	1899.1	1907.0	1899.1	1887.2	1891.1	1916.9	1986.3	2059.6
15°	1988.3	1978.4	1974.4	1982.3	1988.3	1980.4	1976.4	2006.1	2095.3	2194.4	2277.7
17.5°	2117.1	2053.7	2025.9	2025.9	2029.9	2025.9	2029.9	2087.4	2232.1	2331.2	2392.7
20°	2182.5	2065.6	2022.0	2012.1	2020.0	2022.0	2035.9	2101.3	2259.9	2329.2	2343.1
22.5°	2162.7	2016.0	1966.5	1958.5	1966.5	1974.4	1988.3	2043.8	2192.5	2228.1	2222.2
25°	2063.6	1918.9	1879.3	1879.3	1897.1	1895.1	1901.1	1940.7	2063.6	2085.4	2075.5
27.5°	1938.7	1801.9	1768.2	1788.1	1803.9	1800.0	1801.9	1835.6	1926.8	1932.8	1922.9
30°	1811.9	1692.9	1661.2	1685.0	1706.8	1702.8	1704.8	1738.5	1796.0	1790.0	1776.2
32.5°	1683.0	1595.8	1572.0	1585.9	1619.6	1615.6	1623.5	1659.2	1681.0	1655.2	1639.4
35°	1564.1	1518.5	1500.6	1508.6	1534.3	1540.3	1554.1	1577.9	1577.9	1546.2	1518.5
37.5°	1453.1	1447.1	1435.2	1425.3	1449.1	1466.9	1486.8	1514.5	1474.9	1429.3	1403.5
40°	1350.0	1375.7	1359.9	1334.1	1348.0	1373.8	1413.4	1435.2	1387.6	1342.0	1298.4
42.5°	1254.8	1298.4	1292.5	1260.8	1272.7	1296.4	1342.0	1359.9	1304.4	1252.8	1211.2
45°	1163.6	1225.1	1229.0	1189.4	1201.3	1225.1	1278.6	1284.6	1213.2	1157.7	1127.9
47.5°	1084.3	1151.7	1153.7	1124.0	1127.9	1161.6	1211.2	1213.2	1131.9	1080.4	1042.7
50°	1009.0	1086.3	1092.3	1066.5	1070.5	1110.1	1151.7	1143.8	1056.6	1003.1	969.4
52.5°	917.8	1022.9	1036.8	1024.9	1040.7	1072.4	1098.2	1070.5	969.4	915.8	886.1
55°	818.7	955.5	985.2	977.3	995.1	1020.9	1026.8	1009.0	882.1	828.6	800.9
57.5°	703.7	787.0	838.5	822.7	836.5	862.3	880.2	866.3	771.1	729.5	705.7
60°	582.8	638.3	650.2	624.4	612.5	658.1	699.8	681.9	600.6	574.9	547.1
62.5°	426.2	489.6	497.6	463.9	450.0	499.5	535.2	517.4	428.2	400.4	378.6
65°	341.0	400.4	416.3	384.6	376.6	414.3	436.1	392.5	329.1	299.3	275.5
67.5°	224.0	271.6	313.2	311.2	295.4	307.3	291.4	255.7	210.1	194.3	178.4
70°	138.8	166.5	192.3	202.2	200.2	196.3	174.4	148.7	134.8	128.9	120.9
72.5°	107.0	134.8	154.6	160.6	162.6	156.6	138.8	115.0	101.1	93.2	87.2
75°	79.3	101.1	117.0	124.9	128.9	124.9	107.0	91.2	77.3	71.4	65.4
77.5°	27.8	33.7	41.6	45.6	43.6	41.6	37.7	37.7	29.7	27.8	23.8
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: P640518

CATALOG NUMBER: GWS-SA5E-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9	2592.9
2.5°	2345.1	2380.8	2446.2	2505.7	2569.1	2634.5	2705.9	2779.2	2812.9	2809.0
5°	2121.1	2198.4	2305.5	2422.4	2553.2	2694.0	2850.6	3011.2	3080.5	3110.3
7.5°	1980.4	2089.4	2230.1	2378.8	2551.3	2751.5	2987.4	3239.1	3340.2	3373.9
10°	1998.2	2125.1	2242.0	2386.7	2571.1	2830.8	3124.2	3423.5	3542.4	3580.1
12.5°	2142.9	2170.7	2202.4	2321.3	2553.2	2890.2	3249.0	3605.9	3742.6	3780.3
15°	2273.7	2144.9	2085.4	2194.4	2489.8	2931.9	3375.9	3802.1	3952.8	3996.4
17.5°	2279.7	2085.4	1952.6	2037.8	2386.7	2949.7	3500.8	4002.3	4166.9	4208.5
20°	2206.3	2020.0	1849.5	1851.5	2246.0	2945.7	3603.9	4182.7	4367.1	4404.7
22.5°	2099.3	1942.7	1766.3	1704.8	2095.3	2937.8	3716.9	4375.0	4575.2	4610.9
25°	1980.4	1843.6	1687.0	1593.8	1944.7	2945.7	3875.5	4626.8	4846.8	4880.5
27.5°	1851.5	1734.5	1625.5	1550.2	1817.8	2975.5	4065.8	4947.9	5209.6	5245.3
30°	1716.7	1629.5	1585.9	1540.3	1738.5	2983.4	4271.9	5322.6	5653.6	5703.2
32.5°	1583.9	1536.3	1538.3	1546.2	1663.2	2927.9	4460.3	5738.9	6180.9	6260.2
35°	1461.0	1447.1	1486.8	1526.4	1554.1	2785.2	4624.8	6230.5	6833.1	6914.4
37.5°	1355.9	1367.8	1417.4	1457.0	1435.2	2583.0	4842.8	6845.0	7562.6	7632.0
40°	1254.8	1284.6	1342.0	1359.9	1344.0	2347.1	5104.5	7437.7	8195.0	8290.1
42.5°	1161.6	1183.5	1264.7	1268.7	1318.3	2107.2	5356.3	8076.0	8922.5	8972.0
45°	1086.3	1082.4	1165.6	1191.4	1352.0	1841.6	5602.1	8926.4	9874.0	9945.4
47.5°	1013.0	1009.0	1028.8	1145.8	1365.8	1595.8	5845.9	10171.4	11253.7	11376.6
50°	943.6	949.5	888.1	1124.0	1290.5	1407.5	5956.9	11323.1	12508.5	12560.1
52.5°	882.1	860.3	753.3	1052.6	1129.9	1229.0	5641.7	11846.4	13285.6	13432.3
55°	794.9	674.0	620.5	854.4	892.1	1072.4	4620.8	11543.1	13353.0	13612.7
57.5°	679.9	529.3	527.3	630.4	630.4	995.1	2959.6	9862.1	11507.4	11963.4
60°	523.3	410.3	436.1	438.1	404.4	725.5	1661.2	7144.3	8508.2	8962.1
62.5°	372.7	313.2	329.1	261.7	231.9	362.8	796.9	4113.3	5251.2	5314.6
65°	249.8	212.1	172.5	144.7	142.7	154.6	329.1	1486.8	1807.9	2039.8
67.5°	164.5	128.9	91.2	91.2	103.1	103.1	124.9	245.8	344.9	315.2
70°	107.0	89.2	57.5	55.5	67.4	67.4	63.4	67.4	71.4	71.4
72.5°	79.3	67.4	33.7	29.7	37.7	39.6	35.7	33.7	33.7	33.7
75°	59.5	47.6	19.8	13.9	17.8	23.8	19.8	13.9	13.9	11.9
77.5°	23.8	17.8	7.9	5.9	9.9	13.9	11.9	5.9	4.0	4.0
80°	2.0	4.0	4.0	4.0	5.9	7.9	9.9	4.0	2.0	2.0
82.5°	0.0	2.0	2.0	2.0	4.0	5.9	7.9	4.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	4.0	5.9	4.0	2.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	2.0	5.9	4.0	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)