

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: P639803

Luminaire Tested: GWS-SA5C-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639803
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-SA5C-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12995 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

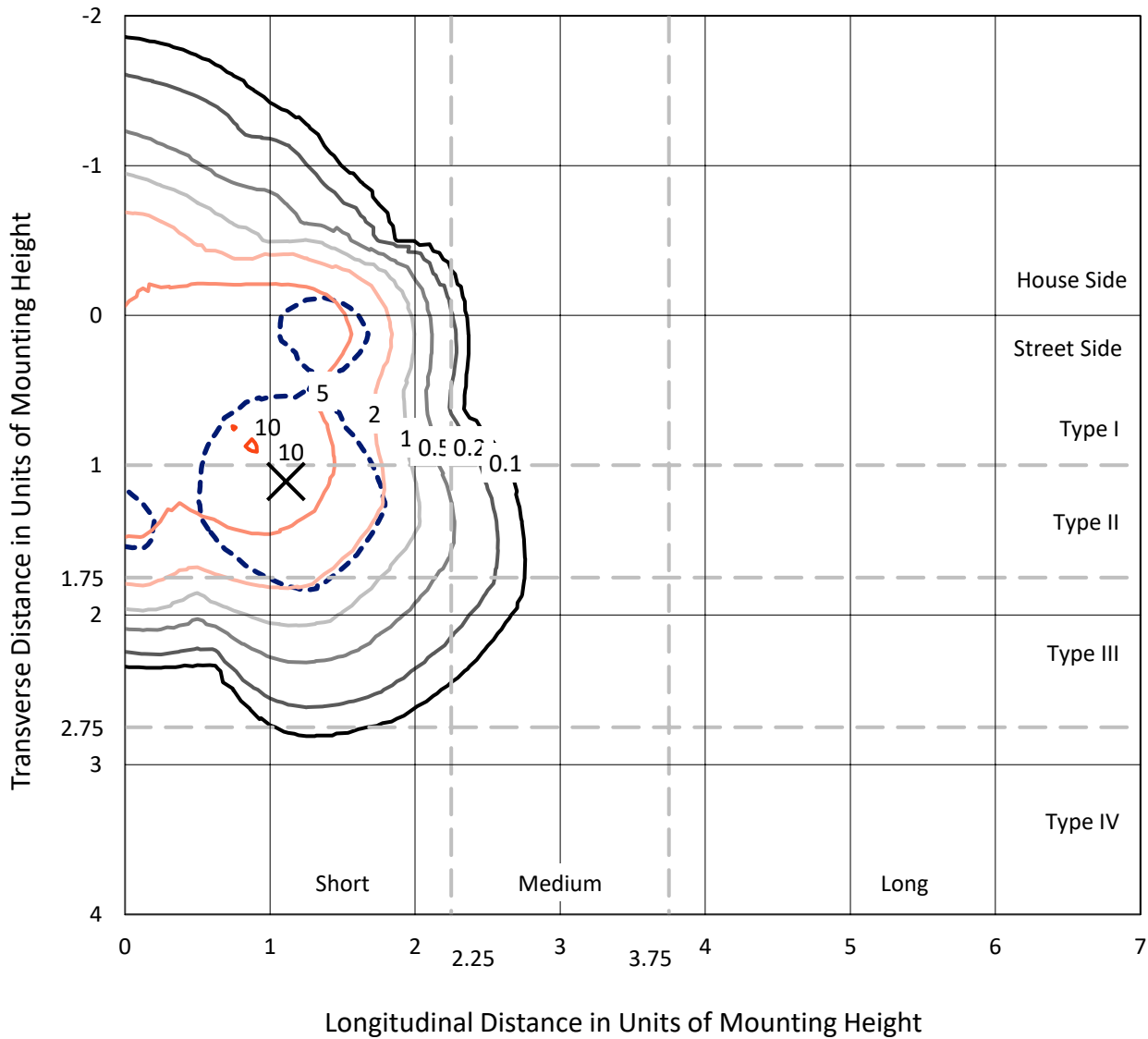
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

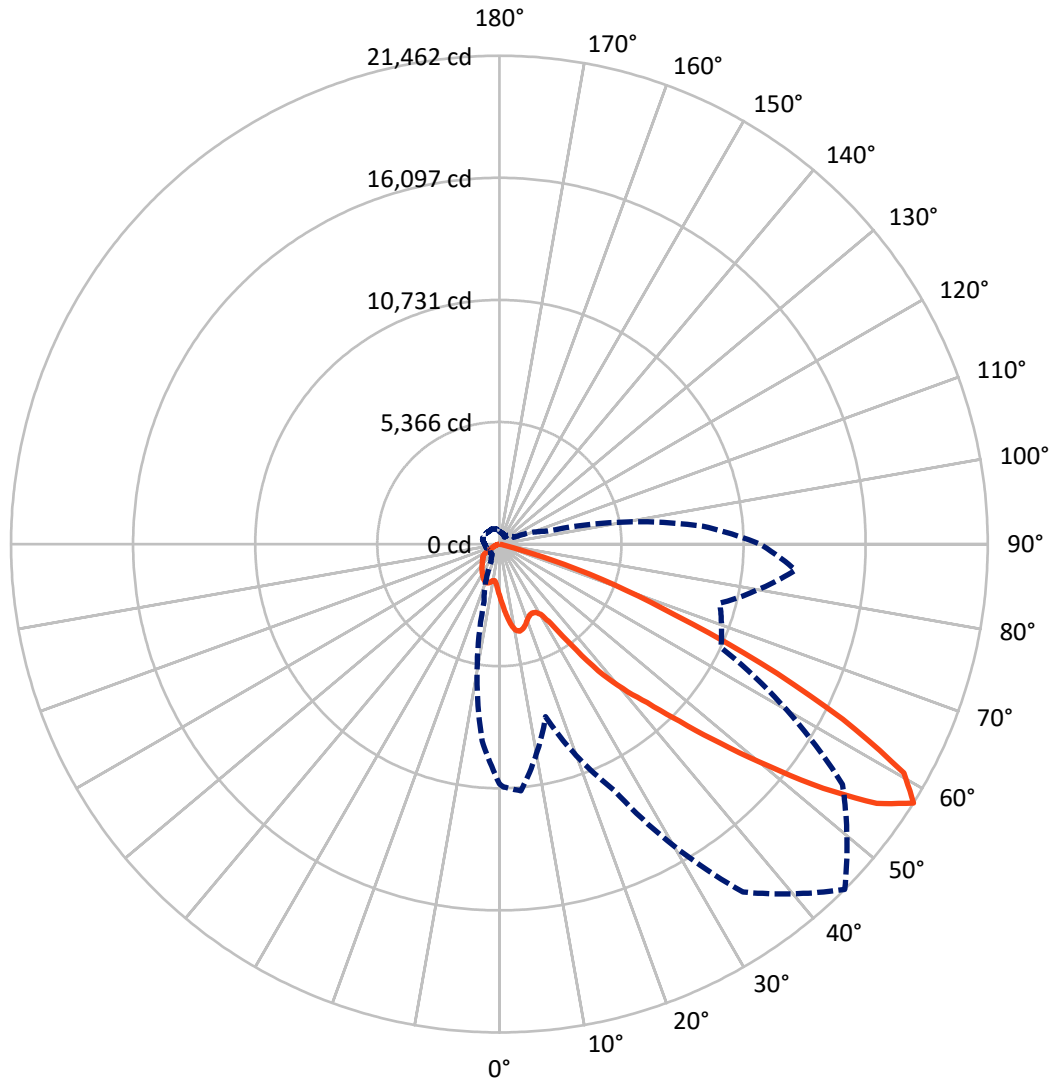
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.2 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	2909.9	0.0	2909.9
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	10085.1	0.0	10085.1
	% Fixture	77.6	0.0	77.6
Total	Lumens	12995.0	0.0	12995.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.7	1.7
10°-20°	726.9	5.6
20°-30°	1180.8	9.1
30°-40°	1824.4	14.0
40°-50°	2925.5	22.5
50°-60°	3998.4	30.8
60°-70°	1936.5	14.9
70°-80°	177.3	1.4
80°-90°	0.5	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°	12995.0	100.0
0°-180°	12995.0	100.0

Coefficient of Utilization



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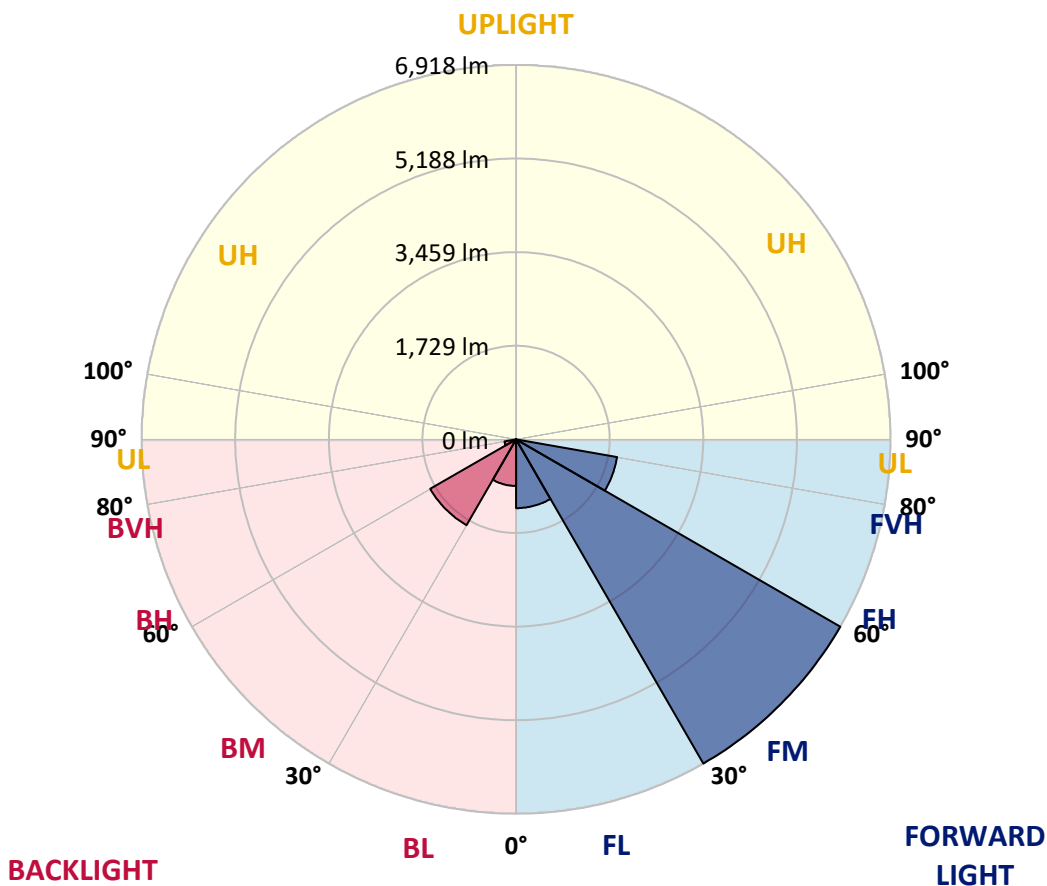
CATALOG NUMBER: GWS-SA5C-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1271.3	9.8			
FM (30°-60°)	6917.5	53.2			
FH (60°-80°)	1895.7	14.6			G2/5000
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	861.0	6.6	B2/1000		
BM (30°-60°)	1830.8	14.1	B2/2500		
BH (60°-80°)	218.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0
2.5°	2474.3	2490.1	2516.3	2572.1	2619.3	2650.7	2664.7	2661.2	2642.0	2628.0	2600.1
5°	2739.8	2739.8	2790.4	2917.9	3015.7	3076.8	3108.2	3089.0	3050.6	2989.5	2895.2
7.5°	2972.0	2980.7	3066.3	3247.9	3396.3	3483.6	3534.3	3523.8	3455.7	3338.7	3150.1
10°	3153.6	3164.1	3277.6	3499.4	3674.0	3763.0	3838.1	3845.1	3770.0	3614.6	3398.1
12.5°	3330.0	3340.5	3459.2	3672.2	3825.9	3862.6	3928.9	3955.1	3935.9	3825.9	3600.6
15°	3520.3	3544.8	3646.0	3804.9	3869.5	3825.9	3869.5	3916.7	3981.3	3970.8	3768.3
17.5°	3707.2	3724.6	3827.6	3883.5	3811.9	3698.4	3719.4	3775.3	3921.9	4065.1	3934.2
20°	3880.0	3904.5	3990.0	3916.7	3700.2	3523.8	3525.5	3598.9	3822.4	4122.7	4103.5
22.5°	4061.6	4098.3	4159.4	3953.4	3597.1	3385.9	3394.6	3460.9	3743.8	4176.9	4295.6
25°	4299.1	4334.0	4374.2	4044.2	3564.0	3317.8	3350.9	3412.0	3743.8	4269.4	4533.1
27.5°	4620.4	4644.9	4646.6	4213.5	3621.6	3328.2	3398.1	3467.9	3855.6	4454.5	4850.9
30°	5023.8	5062.2	5011.6	4477.2	3801.4	3467.9	3570.9	3658.3	4096.6	4767.1	5318.9
32.5°	5514.5	5568.6	5500.5	4868.4	4176.9	3949.9	4136.7	4187.4	4480.7	5219.3	5849.7
35°	6090.7	6136.1	6062.8	5409.7	5053.5	5095.4	5434.1	5369.5	5252.5	5776.4	6469.6
37.5°	6722.8	6764.7	6623.3	6230.4	6349.1	6530.7	7072.1	6850.3	6473.1	6494.1	7141.9
40°	7302.5	7347.9	7126.2	7122.7	7367.2	7698.9	8352.0	8046.4	7533.0	7433.5	7772.3
42.5°	7903.2	7934.7	7733.9	7597.7	8152.9	8835.7	9527.2	9115.1	8235.0	8126.7	8561.5
45°	8760.6	8827.0	8469.0	7831.6	8860.1	10143.6	11107.5	10302.5	8713.5	8626.2	9769.9
47.5°	10021.4	10070.3	9340.3	7978.3	9518.5	11772.8	13082.4	11842.6	9134.3	8935.2	11421.8
50°	11063.8	11097.0	10141.8	8139.0	10218.7	13529.4	15333.3	13669.1	9607.5	9446.9	12963.7
52.5°	11832.2	11957.9	11194.8	8469.0	11138.9	15595.2	17825.1	15832.7	10346.1	10435.2	14241.9
55°	11991.1	12162.2	11914.2	8671.6	11949.1	17699.3	20126.5	17769.2	11083.0	11184.3	14671.5
57.5°	10538.2	10674.4	10880.5	7854.3	11929.9	18663.2	21462.4	18411.8	10747.8	10030.1	13063.2
60°	7894.5	7988.8	8362.5	6003.4	10971.3	17811.1	20421.6	17318.7	9398.0	7653.5	9953.3
62.5°	4681.5	4723.4	5196.6	3888.8	9106.4	15338.5	16936.3	14943.9	7426.5	5147.8	6095.9
65°	1796.8	1779.4	2140.8	1919.1	6696.6	12218.1	12597.0	11392.1	5095.4	2359.1	2324.2
67.5°	277.6	265.4	358.0	567.5	4829.9	8467.3	8311.8	8210.6	3192.0	550.0	480.2
70°	62.9	62.9	76.8	167.6	2951.1	4974.9	5324.1	5076.2	2043.0	117.0	62.9
72.5°	29.7	29.7	36.7	71.6	1068.7	2050.0	2388.8	2352.1	663.6	38.4	22.7
75°	10.5	12.2	12.2	15.7	64.6	106.5	244.5	174.6	41.9	0.0	0.0
77.5°	3.5	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.7	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°	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0
2.5°	2539.0	2526.7	2481.3	2420.2	2360.8	2308.5	2254.3	2189.7	2142.6	2088.4	2071.0
5°	2821.8	2745.0	2621.0	2491.8	2373.1	2271.8	2174.0	2069.2	1992.4	1915.6	1889.4
7.5°	3061.1	2947.6	2746.7	2552.9	2390.5	2247.3	2105.9	1962.7	1851.0	1760.2	1732.2
10°	3275.8	3144.9	2876.0	2636.7	2432.4	2266.5	2095.4	1915.6	1770.6	1662.4	1636.2
12.5°	3460.9	3309.0	2986.0	2699.6	2449.9	2259.6	2093.7	1950.5	1819.5	1695.5	1662.4
15°	3616.4	3448.7	3078.5	2741.5	2423.7	2172.3	2027.3	2004.6	1994.1	1857.9	1793.3
17.5°	3768.3	3579.7	3153.6	2760.7	2350.4	2018.6	1913.8	2016.8	2126.9	2037.8	1955.7
20°	3927.2	3712.4	3230.4	2764.2	2228.1	1845.7	1828.3	1990.7	2130.3	2102.4	2025.6
22.5°	4114.0	3878.3	3326.5	2762.5	2074.5	1699.0	1765.4	1940.0	2053.5	2051.8	1990.7
25°	4384.7	4087.8	3455.7	2772.9	1906.8	1585.5	1695.5	1854.4	1947.0	1943.5	1892.9
27.5°	4674.5	4337.5	3623.3	2799.1	1763.6	1519.2	1613.5	1737.5	1817.8	1814.3	1770.6
30°	5081.4	4625.6	3784.0	2800.9	1660.6	1484.3	1522.7	1608.2	1685.1	1676.3	1643.2
32.5°	5575.6	4950.4	3918.4	2701.3	1596.0	1451.1	1428.4	1472.0	1531.4	1519.2	1510.5
35°	6172.8	5336.3	4033.7	2483.1	1496.5	1384.7	1323.6	1332.3	1374.2	1381.2	1377.7
37.5°	6853.8	5795.6	4176.9	2195.0	1362.0	1288.7	1206.6	1199.6	1224.1	1246.8	1264.2
40°	7526.1	6312.5	4370.7	1903.3	1239.8	1166.5	1087.9	1070.4	1080.9	1121.1	1157.7
42.5°	8282.2	6911.4	4580.2	1653.6	1156.0	1032.0	956.9	923.7	953.4	1018.0	1061.7
45°	9371.8	7751.3	4784.5	1454.6	1121.1	913.3	812.0	808.5	841.7	925.5	974.4
47.5°	10901.4	8837.4	4919.0	1299.2	1119.3	820.7	700.2	721.2	759.6	841.7	897.5
50°	12392.7	10197.7	4770.6	1180.4	1082.6	759.6	616.4	658.3	696.7	768.3	825.9
52.5°	13292.0	10929.4	4192.6	1068.7	969.1	731.7	534.3	607.7	614.7	679.3	740.4
55°	13197.7	10456.2	3211.2	895.8	801.5	691.5	448.8	548.3	551.8	600.7	653.1
57.5°	11455.0	8977.1	2205.4	726.4	602.4	571.0	370.2	462.7	495.9	525.6	564.0
60°	8537.1	6549.9	983.1	590.2	382.4	385.9	316.1	349.2	399.9	434.8	468.0
62.5°	5030.8	3768.3	399.9	354.5	211.3	242.7	254.9	254.9	286.4	312.6	333.5
65°	1901.6	1318.4	162.4	178.1	110.0	113.5	150.2	185.1	209.5	232.2	260.2
67.5°	333.5	230.5	83.8	66.4	64.6	57.6	76.8	120.5	134.5	151.9	164.1
70°	55.9	47.1	34.9	33.2	29.7	31.4	50.6	85.6	94.3	99.5	104.8
72.5°	15.7	14.0	10.5	8.7	7.0	8.7	31.4	66.4	69.8	73.3	78.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	12.2	47.1	50.6	52.4	57.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	14.0	17.5	14.0
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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0
2.5°	2060.5	2025.6	2006.4	1995.9	1995.9	1981.9	1966.2	1961.0	1983.7	1983.7	2022.1
5°	1856.2	1828.3	1796.8	1777.6	1747.9	1753.2	1735.7	1734.0	1756.7	1767.1	1807.3
7.5°	1714.8	1679.8	1660.6	1648.4	1632.7	1625.7	1610.0	1604.7	1617.0	1634.4	1672.8
10°	1620.5	1615.2	1613.5	1622.2	1622.2	1613.5	1599.5	1590.8	1594.3	1627.4	1671.1
12.5°	1644.9	1655.4	1658.9	1672.8	1679.8	1672.8	1662.4	1665.9	1688.6	1749.7	1814.3
15°	1751.4	1742.7	1739.2	1746.2	1751.4	1744.4	1740.9	1767.1	1845.7	1933.0	2006.4
17.5°	1864.9	1809.0	1784.6	1784.6	1788.1	1784.6	1788.1	1838.7	1966.2	2053.5	2107.6
20°	1922.6	1819.5	1781.1	1772.4	1779.4	1781.1	1793.3	1851.0	1990.7	2051.8	2064.0
22.5°	1905.1	1775.9	1732.2	1725.2	1732.2	1739.2	1751.4	1800.3	1931.3	1962.7	1957.5
25°	1817.8	1690.3	1655.4	1655.4	1671.1	1669.4	1674.6	1709.5	1817.8	1837.0	1828.3
27.5°	1707.8	1587.3	1557.6	1575.1	1589.0	1585.5	1587.3	1617.0	1697.3	1702.5	1693.8
30°	1596.0	1491.2	1463.3	1484.3	1503.5	1500.0	1501.7	1531.4	1582.0	1576.8	1564.6
32.5°	1482.5	1405.7	1384.7	1396.9	1426.6	1423.1	1430.1	1461.6	1480.8	1458.1	1444.1
35°	1377.7	1337.6	1321.9	1328.8	1351.5	1356.8	1369.0	1390.0	1390.0	1362.0	1337.6
37.5°	1280.0	1274.7	1264.2	1255.5	1276.5	1292.2	1309.6	1334.1	1299.2	1259.0	1236.3
40°	1189.2	1211.9	1197.9	1175.2	1187.4	1210.1	1245.0	1264.2	1222.3	1182.2	1143.8
42.5°	1105.3	1143.8	1138.5	1110.6	1121.1	1142.0	1182.2	1197.9	1149.0	1103.6	1066.9
45°	1025.0	1079.1	1082.6	1047.7	1058.2	1079.1	1126.3	1131.5	1068.7	1019.8	993.6
47.5°	955.2	1014.5	1016.3	990.1	993.6	1023.3	1066.9	1068.7	997.1	951.7	918.5
50°	888.8	956.9	962.1	939.4	942.9	977.9	1014.5	1007.5	930.7	883.6	853.9
52.5°	808.5	901.0	913.3	902.8	916.7	944.7	967.4	942.9	853.9	806.7	780.5
55°	721.2	841.7	867.9	860.9	876.6	899.3	904.5	888.8	777.1	729.9	705.5
57.5°	619.9	693.2	738.6	724.7	736.9	759.6	775.3	763.1	679.3	642.6	621.6
60°	513.4	562.3	572.7	550.0	539.6	579.7	616.4	600.7	529.1	506.4	481.9
62.5°	375.4	431.3	438.3	408.6	396.4	440.0	471.5	455.8	377.2	352.7	333.5
65°	300.3	352.7	366.7	338.8	331.8	365.0	384.2	345.7	289.9	263.7	242.7
67.5°	197.3	239.2	275.9	274.2	260.2	270.7	256.7	225.3	185.1	171.1	157.2
70°	122.2	146.7	169.4	178.1	176.4	172.9	153.7	131.0	118.7	113.5	106.5
72.5°	94.3	118.7	136.2	141.4	143.2	137.9	122.2	101.3	89.1	82.1	76.8
75°	69.8	89.1	103.0	110.0	113.5	110.0	94.3	80.3	68.1	62.9	57.6
77.5°	24.4	29.7	36.7	40.2	38.4	36.7	33.2	33.2	26.2	24.4	21.0
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: P639803

CATALOG NUMBER: GWS-SA5C-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0	2284.0
2.5°	2065.7	2097.2	2154.8	2207.2	2263.1	2320.7	2383.5	2448.2	2477.8	2474.3
5°	1868.4	1936.5	2030.8	2133.8	2249.1	2373.1	2511.0	2652.5	2713.6	2739.8
7.5°	1744.4	1840.5	1964.5	2095.4	2247.3	2423.7	2631.5	2853.3	2942.3	2972.0
10°	1760.2	1871.9	1974.9	2102.4	2264.8	2493.6	2752.0	3015.7	3120.4	3153.6
12.5°	1887.6	1912.1	1940.0	2044.8	2249.1	2545.9	2862.0	3176.3	3296.8	3330.0
15°	2002.9	1889.4	1837.0	1933.0	2193.2	2582.6	2973.8	3349.2	3481.9	3520.3
17.5°	2008.1	1837.0	1720.0	1795.1	2102.4	2598.3	3083.8	3525.5	3670.5	3707.2
20°	1943.5	1779.4	1629.2	1630.9	1978.4	2594.8	3174.6	3684.5	3846.8	3880.0
22.5°	1849.2	1711.3	1555.9	1501.7	1845.7	2587.8	3274.1	3853.8	4030.2	4061.6
25°	1744.4	1624.0	1486.0	1403.9	1713.0	2594.8	3413.8	4075.6	4269.4	4299.1
27.5°	1630.9	1527.9	1431.9	1365.5	1601.3	2621.0	3581.4	4358.5	4589.0	4620.4
30°	1512.2	1435.4	1396.9	1356.8	1531.4	2628.0	3763.0	4688.5	4980.1	5023.8
32.5°	1395.2	1353.3	1355.0	1362.0	1465.0	2579.1	3928.9	5055.2	5444.6	5514.5
35°	1286.9	1274.7	1309.6	1344.6	1369.0	2453.4	4073.9	5488.3	6019.1	6090.7
37.5°	1194.4	1204.9	1248.5	1283.4	1264.2	2275.3	4265.9	6029.6	6661.7	6722.8
40°	1105.3	1131.5	1182.2	1197.9	1183.9	2067.5	4496.4	6551.7	7218.7	7302.5
42.5°	1023.3	1042.5	1114.1	1117.6	1161.2	1856.2	4718.2	7114.0	7859.6	7903.2
45°	956.9	953.4	1026.8	1049.5	1190.9	1622.2	4934.7	7863.1	8697.8	8760.6
47.5°	892.3	888.8	906.3	1009.3	1203.1	1405.7	5149.5	8959.7	9913.1	10021.4
50°	831.2	836.4	782.3	990.1	1136.8	1239.8	5247.3	9974.2	11018.4	11063.8
52.5°	777.1	757.8	663.6	927.2	995.3	1082.6	4969.6	10435.2	11702.9	11832.2
55°	700.2	593.7	546.6	752.6	785.8	944.7	4070.4	10168.0	11762.3	11991.1
57.5°	598.9	466.2	464.5	555.3	555.3	876.6	2607.1	8687.3	10136.6	10538.2
60°	461.0	361.5	384.2	385.9	356.2	639.1	1463.3	6293.3	7494.6	7894.5
62.5°	328.3	275.9	289.9	230.5	204.3	319.6	702.0	3623.3	4625.6	4681.5
65°	220.0	186.8	151.9	127.5	125.7	136.2	289.9	1309.6	1592.5	1796.8
67.5°	144.9	113.5	80.3	80.3	90.8	90.8	110.0	216.5	303.8	277.6
70°	94.3	78.6	50.6	48.9	59.4	59.4	55.9	59.4	62.9	62.9
72.5°	69.8	59.4	29.7	26.2	33.2	34.9	31.4	29.7	29.7	29.7
75°	52.4	41.9	17.5	12.2	15.7	21.0	17.5	12.2	12.2	10.5
77.5°	21.0	15.7	7.0	5.2	8.7	12.2	10.5	5.2	3.5	3.5
80°	1.7	3.5	3.5	3.5	5.2	7.0	8.7	3.5	1.7	1.7
82.5°	0.0	1.7	1.7	1.7	3.5	5.2	7.0	3.5	1.7	1.7
85°	0.0	0.0	0.0	0.0	3.5	5.2	3.5	1.7	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.7	5.2	3.5	1.7	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)