

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: P641948

Luminaire Tested: GWS-SA6B-830-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641948
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-SA6B-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8973 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

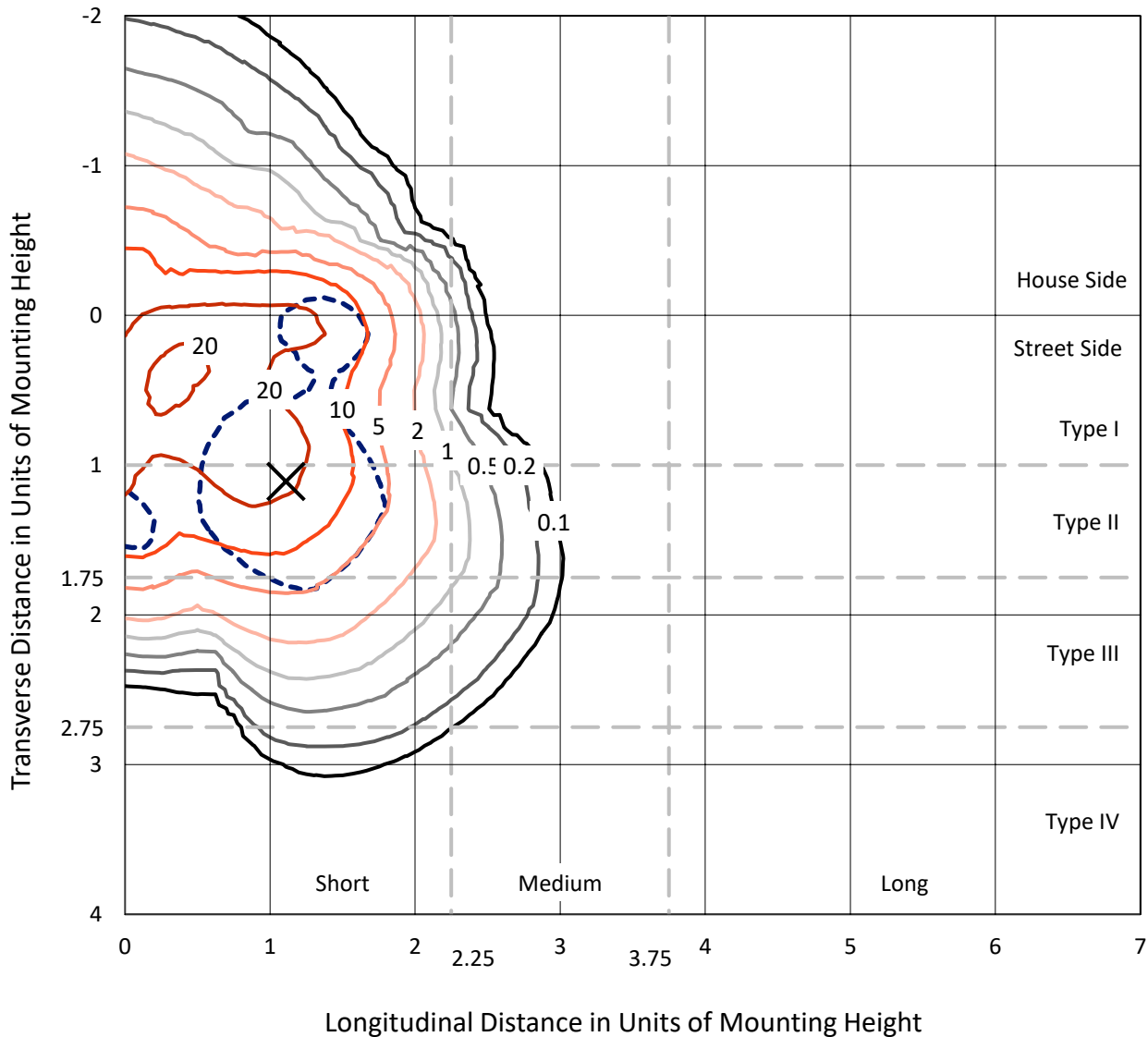
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

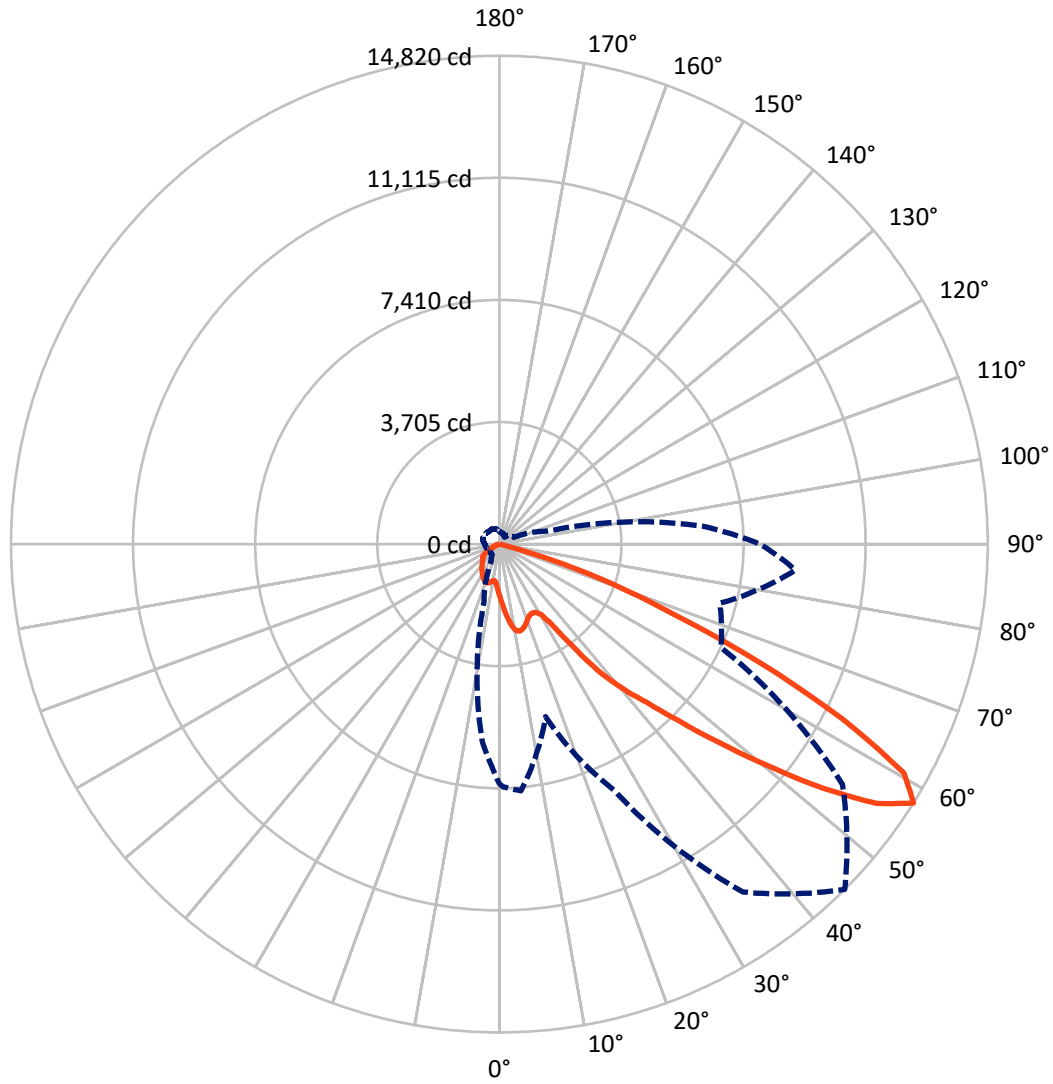
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.1 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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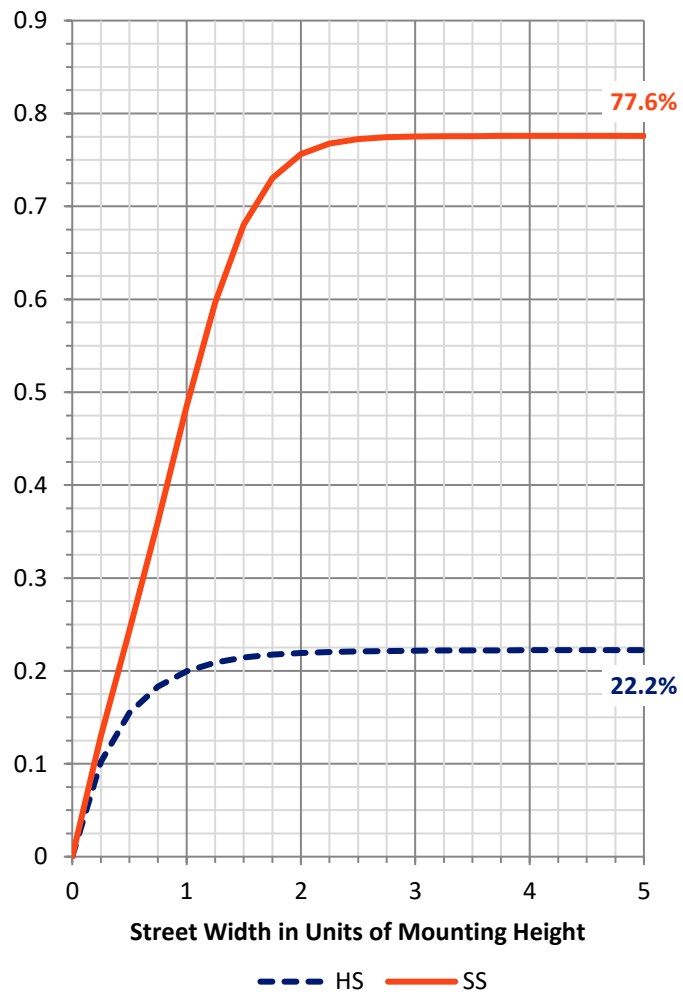
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2009.3	0.0	2009.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	6963.7	0.0	6963.7
	% Fixture	77.6	0.0	77.6
Total	Lumens	8973.0	0.0	8973.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.1	1.7
10°-20°	501.9	5.6
20°-30°	815.3	9.1
30°-40°	1259.8	14.0
40°-50°	2020.1	22.5
50°-60°	2760.9	30.8
60°-70°	1337.2	14.9
70°-80°	122.4	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°	8973.0	100.0
0°-180°	8973.0	100.0

Coefficient of Utilization



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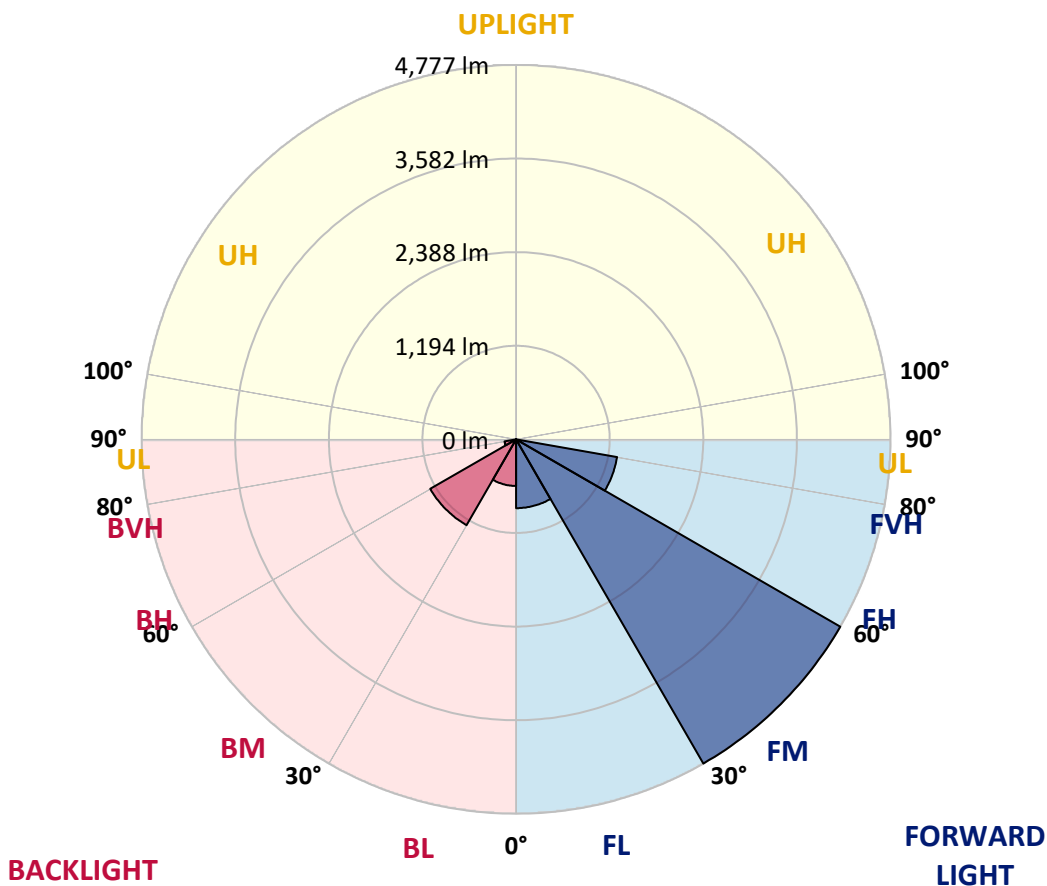
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	877.8	9.8			
FM (30°-60°)	4776.5	53.2			
FH (60°-80°)	1309.0	14.6			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	594.5	6.6	B2/1000		
BM (30°-60°)	1264.2	14.1	B2/2500		
BH (60°-80°)	150.6	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1
2.5°	1708.5	1719.4	1737.5	1776.0	1808.6	1830.3	1840.0	1837.5	1824.3	1814.6	1795.3
5°	1891.8	1891.8	1926.8	2014.8	2082.3	2124.5	2146.2	2132.9	2106.4	2064.2	1999.1
7.5°	2052.2	2058.2	2117.3	2242.7	2345.2	2405.4	2440.4	2433.2	2386.1	2305.4	2175.1
10°	2177.6	2184.8	2263.2	2416.3	2536.9	2598.4	2650.2	2655.0	2603.2	2495.9	2346.4
12.5°	2299.3	2306.6	2388.6	2535.7	2641.8	2667.1	2712.9	2731.0	2717.7	2641.8	2486.2
15°	2430.8	2447.6	2517.6	2627.3	2671.9	2641.8	2671.9	2704.5	2749.1	2741.8	2602.0
17.5°	2559.8	2571.8	2643.0	2681.6	2632.1	2553.7	2568.2	2606.8	2708.1	2807.0	2716.5
20°	2679.1	2696.0	2755.1	2704.5	2555.0	2433.2	2434.4	2485.0	2639.4	2846.7	2833.5
22.5°	2804.5	2829.9	2872.1	2729.8	2483.8	2337.9	2343.9	2389.8	2585.1	2884.1	2966.1
25°	2968.5	2992.6	3020.4	2792.5	2460.9	2290.9	2313.8	2356.0	2585.1	2948.0	3130.1
27.5°	3190.4	3207.3	3208.5	2909.4	2500.7	2298.1	2346.4	2394.6	2662.3	3075.8	3349.5
30°	3468.9	3495.4	3460.5	3091.5	2624.9	2394.6	2465.7	2526.0	2828.7	3291.7	3672.7
32.5°	3807.7	3845.1	3798.1	3361.6	2884.1	2727.4	2856.4	2891.4	3093.9	3603.9	4039.2
35°	4205.6	4237.0	4186.3	3735.4	3489.4	3518.3	3752.2	3707.6	3626.9	3988.6	4467.2
37.5°	4642.1	4671.0	4573.4	4302.1	4384.1	4509.4	4883.2	4730.1	4469.7	4484.1	4931.5
40°	5042.4	5073.7	4920.6	4918.2	5087.0	5316.1	5767.0	5556.0	5201.5	5132.8	5366.7
42.5°	5457.2	5478.9	5340.2	5246.2	5629.6	6101.0	6578.5	6293.9	5686.2	5611.5	5911.7
45°	6049.2	6095.0	5847.8	5407.7	6117.9	7004.1	7669.7	7113.8	6016.6	5956.3	6746.1
47.5°	6919.7	6953.5	6449.5	5509.0	6572.5	8129.1	9033.4	8177.3	6307.2	6169.7	7886.7
50°	7639.5	7662.4	7002.9	5619.9	7056.0	9342.0	10587.6	9438.5	6634.0	6523.0	8951.4
52.5°	8170.1	8256.9	7730.0	5847.8	7691.4	10768.4	12308.1	10932.4	7144.0	7205.5	9834.0
55°	8279.8	8397.9	8226.7	5987.7	8250.8	12221.3	13897.3	12269.6	7652.8	7722.7	10130.6
57.5°	7276.6	7370.7	7512.9	5423.4	8237.6	12886.9	14819.7	12713.3	7421.3	6925.7	9020.1
60°	5451.1	5516.2	5774.3	4145.3	7575.6	12298.5	14101.1	11958.5	6489.3	5284.7	6872.7
62.5°	3232.6	3261.5	3588.3	2685.2	6287.9	10591.2	11694.4	10318.7	5128.0	3554.5	4209.2
65°	1240.7	1228.6	1478.2	1325.1	4624.0	8436.5	8698.2	7866.2	3518.3	1628.9	1604.8
67.5°	191.7	183.3	247.2	391.9	3335.1	5846.6	5739.3	5669.4	2204.1	379.8	331.6
70°	43.4	43.4	53.1	115.8	2037.7	3435.1	3676.3	3505.1	1410.7	80.8	43.4
72.5°	20.5	20.5	25.3	49.4	737.9	1415.5	1649.4	1624.1	458.2	26.5	15.7
75°	7.2	8.4	8.4	10.9	44.6	73.5	168.8	120.6	28.9	0.0	0.0
77.5°	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.2	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°	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1
2.5°	1753.1	1744.7	1713.3	1671.1	1630.2	1594.0	1556.6	1512.0	1479.4	1442.1	1430.0
5°	1948.5	1895.4	1809.8	1720.6	1638.6	1568.7	1501.1	1428.8	1375.7	1322.7	1304.6
7.5°	2113.7	2035.3	1896.6	1762.8	1650.7	1551.8	1454.1	1355.2	1278.1	1215.4	1196.1
10°	2262.0	2171.5	1985.8	1820.7	1679.6	1565.0	1446.9	1322.7	1222.6	1147.9	1129.8
12.5°	2389.8	2284.9	2061.8	1864.1	1691.6	1560.2	1445.7	1346.8	1256.4	1170.8	1147.9
15°	2497.1	2381.3	2125.7	1893.0	1673.6	1499.9	1399.9	1384.2	1376.9	1282.9	1238.3
17.5°	2602.0	2471.8	2177.6	1906.3	1622.9	1393.8	1321.5	1392.6	1468.6	1407.1	1350.4
20°	2711.7	2563.4	2230.6	1908.7	1538.5	1274.5	1262.4	1374.5	1471.0	1451.7	1398.7
22.5°	2840.7	2677.9	2296.9	1907.5	1432.4	1173.2	1219.0	1339.6	1417.9	1416.7	1374.5
25°	3027.6	2822.6	2386.1	1914.7	1316.7	1094.8	1170.8	1280.5	1344.4	1342.0	1307.0
27.5°	3227.8	2995.0	2501.9	1932.8	1217.8	1049.0	1114.1	1199.7	1255.2	1252.8	1222.6
30°	3508.7	3194.0	2612.8	1934.0	1146.7	1024.9	1051.4	1110.5	1163.5	1157.5	1134.6
32.5°	3849.9	3418.3	2705.7	1865.3	1102.0	1002.0	986.3	1016.4	1057.4	1049.0	1043.0
35°	4262.3	3684.7	2785.2	1714.6	1033.3	956.1	913.9	920.0	948.9	953.7	951.3
37.5°	4732.5	4001.8	2884.1	1515.6	940.5	889.8	833.2	828.3	845.2	860.9	873.0
40°	5196.7	4358.7	3018.0	1314.3	856.1	805.4	751.2	739.1	746.3	774.1	799.4
42.5°	5718.8	4772.3	3162.6	1141.8	798.2	712.6	660.7	637.8	658.3	702.9	733.1
45°	6471.2	5352.3	3303.7	1004.4	774.1	630.6	560.7	558.3	581.2	639.0	672.8
47.5°	7527.4	6102.2	3396.6	897.1	772.9	566.7	483.5	498.0	524.5	581.2	619.7
50°	8557.1	7041.5	3294.1	815.1	747.6	524.5	425.6	454.6	481.1	530.5	570.3
52.5°	9178.1	7546.7	2895.0	737.9	669.2	505.2	369.0	419.6	424.4	469.0	511.2
55°	9112.9	7219.9	2217.3	618.5	553.4	477.5	309.9	378.6	381.0	414.8	450.9
57.5°	7909.6	6198.7	1522.8	501.6	416.0	394.3	255.6	319.5	342.4	362.9	389.5
60°	5894.8	4522.7	678.8	407.5	264.1	266.5	218.2	241.1	276.1	300.2	323.1
62.5°	3473.7	2602.0	276.1	244.8	145.9	167.6	176.0	176.0	197.7	215.8	230.3
65°	1313.0	910.3	112.1	123.0	76.0	78.4	103.7	127.8	144.7	160.4	179.7
67.5°	230.3	159.2	57.9	45.8	44.6	39.8	53.1	83.2	92.8	104.9	113.3
70°	38.6	32.6	24.1	22.9	20.5	21.7	35.0	59.1	65.1	68.7	72.3
72.5°	10.9	9.6	7.2	6.0	4.8	6.0	21.7	45.8	48.2	50.6	54.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	8.4	32.6	35.0	36.2	39.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	9.6	12.1	9.6
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°	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1
2.5°	1422.8	1398.7	1385.4	1378.2	1378.2	1368.5	1357.7	1354.0	1369.7	1369.7	1396.2
5°	1281.7	1262.4	1240.7	1227.4	1206.9	1210.6	1198.5	1197.3	1213.0	1220.2	1247.9
7.5°	1184.0	1159.9	1146.7	1138.2	1127.4	1122.5	1111.7	1108.1	1116.5	1128.6	1155.1
10°	1118.9	1115.3	1114.1	1120.1	1120.1	1114.1	1104.5	1098.4	1100.8	1123.7	1153.9
12.5°	1135.8	1143.0	1145.4	1155.1	1159.9	1155.1	1147.9	1150.3	1165.9	1208.1	1252.8
15°	1209.4	1203.3	1200.9	1205.7	1209.4	1204.5	1202.1	1220.2	1274.5	1334.7	1385.4
17.5°	1287.7	1249.1	1232.3	1232.3	1234.7	1232.3	1234.7	1269.6	1357.7	1417.9	1455.3
20°	1327.5	1256.4	1229.8	1223.8	1228.6	1229.8	1238.3	1278.1	1374.5	1416.7	1425.2
22.5°	1315.5	1226.2	1196.1	1191.3	1196.1	1200.9	1209.4	1243.1	1333.5	1355.2	1351.6
25°	1255.2	1167.2	1143.0	1143.0	1153.9	1152.7	1156.3	1180.4	1255.2	1268.4	1262.4
27.5°	1179.2	1096.0	1075.5	1087.6	1097.2	1094.8	1096.0	1116.5	1172.0	1175.6	1169.6
30°	1102.0	1029.7	1010.4	1024.9	1038.1	1035.7	1036.9	1057.4	1092.4	1088.8	1080.3
32.5°	1023.7	970.6	956.1	964.6	985.1	982.7	987.5	1009.2	1022.5	1006.8	997.1
35°	951.3	923.6	912.7	917.6	933.2	936.9	945.3	959.8	959.8	940.5	923.6
37.5°	883.8	880.2	873.0	866.9	881.4	892.2	904.3	921.2	897.1	869.3	853.7
40°	821.1	836.8	827.1	811.5	819.9	835.6	859.7	873.0	844.0	816.3	789.8
42.5°	763.2	789.8	786.1	766.8	774.1	788.6	816.3	827.1	793.4	762.0	736.7
45°	707.8	745.1	747.6	723.4	730.7	745.1	777.7	781.3	737.9	704.1	686.1
47.5°	659.5	700.5	701.7	683.7	686.1	706.6	736.7	737.9	688.5	657.1	634.2
50°	613.7	660.7	664.4	648.7	651.1	675.2	700.5	695.7	642.7	610.1	589.6
52.5°	558.3	622.2	630.6	623.4	633.0	652.3	668.0	651.1	589.6	557.0	539.0
55°	498.0	581.2	599.3	594.4	605.3	621.0	624.6	613.7	536.6	504.0	487.1
57.5°	428.0	478.7	510.0	500.4	508.8	524.5	535.3	526.9	469.0	443.7	429.2
60°	354.5	388.2	395.5	379.8	372.6	400.3	425.6	414.8	365.3	349.7	332.8
62.5°	259.2	297.8	302.6	282.1	273.7	303.8	325.5	314.7	260.4	243.6	230.3
65°	207.4	243.6	253.2	233.9	229.1	252.0	265.3	238.7	200.2	182.1	167.6
67.5°	136.2	165.2	190.5	189.3	179.7	186.9	177.2	155.5	127.8	118.2	108.5
70°	84.4	101.3	117.0	123.0	121.8	119.4	106.1	90.4	82.0	78.4	73.5
72.5°	65.1	82.0	94.0	97.7	98.9	95.3	84.4	69.9	61.5	56.7	53.1
75°	48.2	61.5	71.1	76.0	78.4	76.0	65.1	55.5	47.0	43.4	39.8
77.5°	16.9	20.5	25.3	27.7	26.5	25.3	22.9	22.9	18.1	16.9	14.5
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



REPORT NUMBER: P641948

CATALOG NUMBER: GWS-SA6B-830-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1	1577.1
2.5°	1426.4	1448.1	1487.9	1524.0	1562.6	1602.4	1645.8	1690.4	1710.9	1708.5
5°	1290.1	1337.2	1402.3	1473.4	1553.0	1638.6	1733.8	1831.5	1873.7	1891.8
7.5°	1204.5	1270.8	1356.5	1446.9	1551.8	1673.6	1817.0	1970.2	2031.7	2052.2
10°	1215.4	1292.5	1363.7	1451.7	1563.8	1721.8	1900.2	2082.3	2154.6	2177.6
12.5°	1303.4	1320.3	1339.6	1411.9	1553.0	1758.0	1976.2	2193.2	2276.4	2299.3
15°	1383.0	1304.6	1268.4	1334.7	1514.4	1783.3	2053.4	2312.6	2404.2	2430.8
17.5°	1386.6	1268.4	1187.6	1239.5	1451.7	1794.1	2129.3	2434.4	2534.5	2559.8
20°	1342.0	1228.6	1125.0	1126.2	1366.1	1791.7	2192.0	2544.1	2656.2	2679.1
22.5°	1276.9	1181.6	1074.3	1036.9	1274.5	1786.9	2260.8	2661.1	2782.8	2804.5
25°	1204.5	1121.3	1026.1	969.4	1182.8	1791.7	2357.2	2814.2	2948.0	2968.5
27.5°	1126.2	1055.0	988.7	942.9	1105.7	1809.8	2473.0	3009.5	3168.7	3190.4
30°	1044.2	991.1	964.6	936.9	1057.4	1814.6	2598.4	3237.4	3438.8	3468.9
32.5°	963.4	934.4	935.7	940.5	1011.6	1780.9	2712.9	3490.6	3759.5	3807.7
35°	888.6	880.2	904.3	928.4	945.3	1694.1	2813.0	3789.6	4156.2	4205.6
37.5°	824.7	832.0	862.1	886.2	873.0	1571.1	2945.6	4163.4	4599.9	4642.1
40°	763.2	781.3	816.3	827.1	817.5	1427.6	3104.8	4523.9	4984.5	5042.4
42.5°	706.6	719.8	769.3	771.7	801.8	1281.7	3257.9	4912.2	5427.0	5457.2
45°	660.7	658.3	709.0	724.6	822.3	1120.1	3407.4	5429.4	6005.8	6049.2
47.5°	616.1	613.7	625.8	696.9	830.8	970.6	3555.7	6186.6	6845.0	6919.7
50°	573.9	577.5	540.2	683.7	784.9	856.1	3623.2	6887.2	7608.2	7639.5
52.5°	536.6	523.3	458.2	640.2	687.3	747.6	3431.5	7205.5	8080.8	8170.1
55°	483.5	409.9	377.4	519.7	542.6	652.3	2810.6	7021.0	8121.8	8279.8
57.5°	413.6	321.9	320.7	383.4	383.4	605.3	1800.2	5998.5	6999.3	7276.6
60°	318.3	249.6	265.3	266.5	246.0	441.3	1010.4	4345.5	5175.0	5451.1
62.5°	226.7	190.5	200.2	159.2	141.1	220.6	484.7	2501.9	3194.0	3232.6
65°	151.9	129.0	104.9	88.0	86.8	94.0	200.2	904.3	1099.6	1240.7
67.5°	100.1	78.4	55.5	55.5	62.7	62.7	76.0	149.5	209.8	191.7
70°	65.1	54.3	35.0	33.8	41.0	41.0	38.6	41.0	43.4	43.4
72.5°	48.2	41.0	20.5	18.1	22.9	24.1	21.7	20.5	20.5	20.5
75°	36.2	28.9	12.1	8.4	10.9	14.5	12.1	8.4	8.4	7.2
77.5°	14.5	10.9	4.8	3.6	6.0	8.4	7.2	3.6	2.4	2.4
80°	1.2	2.4	2.4	2.4	3.6	4.8	6.0	2.4	1.2	1.2
82.5°	0.0	1.2	1.2	1.2	2.4	3.6	4.8	2.4	1.2	1.2
85°	0.0	0.0	0.0	0.0	2.4	3.6	2.4	1.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.2	3.6	2.4	1.2	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)