

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: P641508

Luminaire Tested: GWS-SA6B-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641508
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-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: 8320.2 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

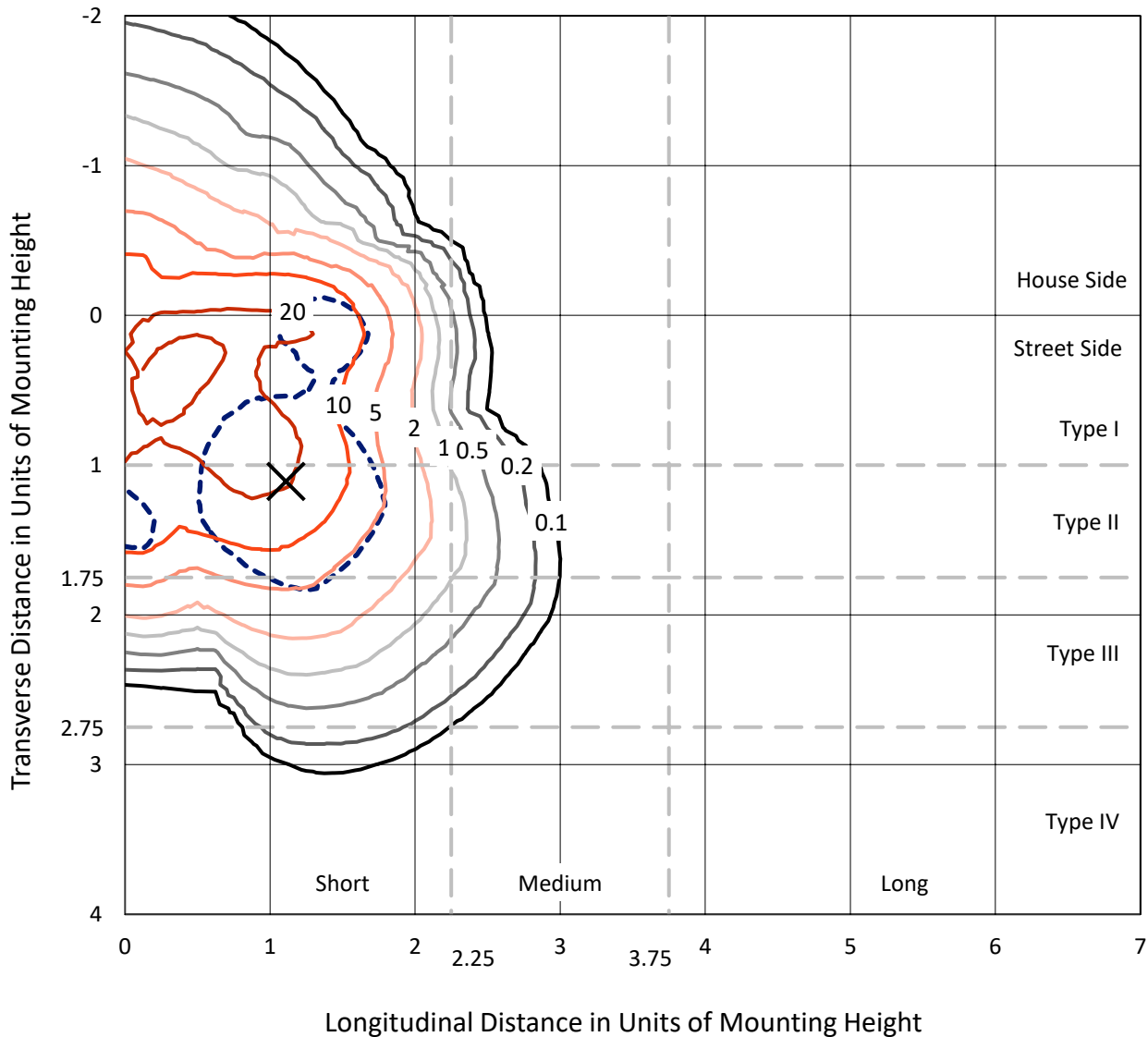
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

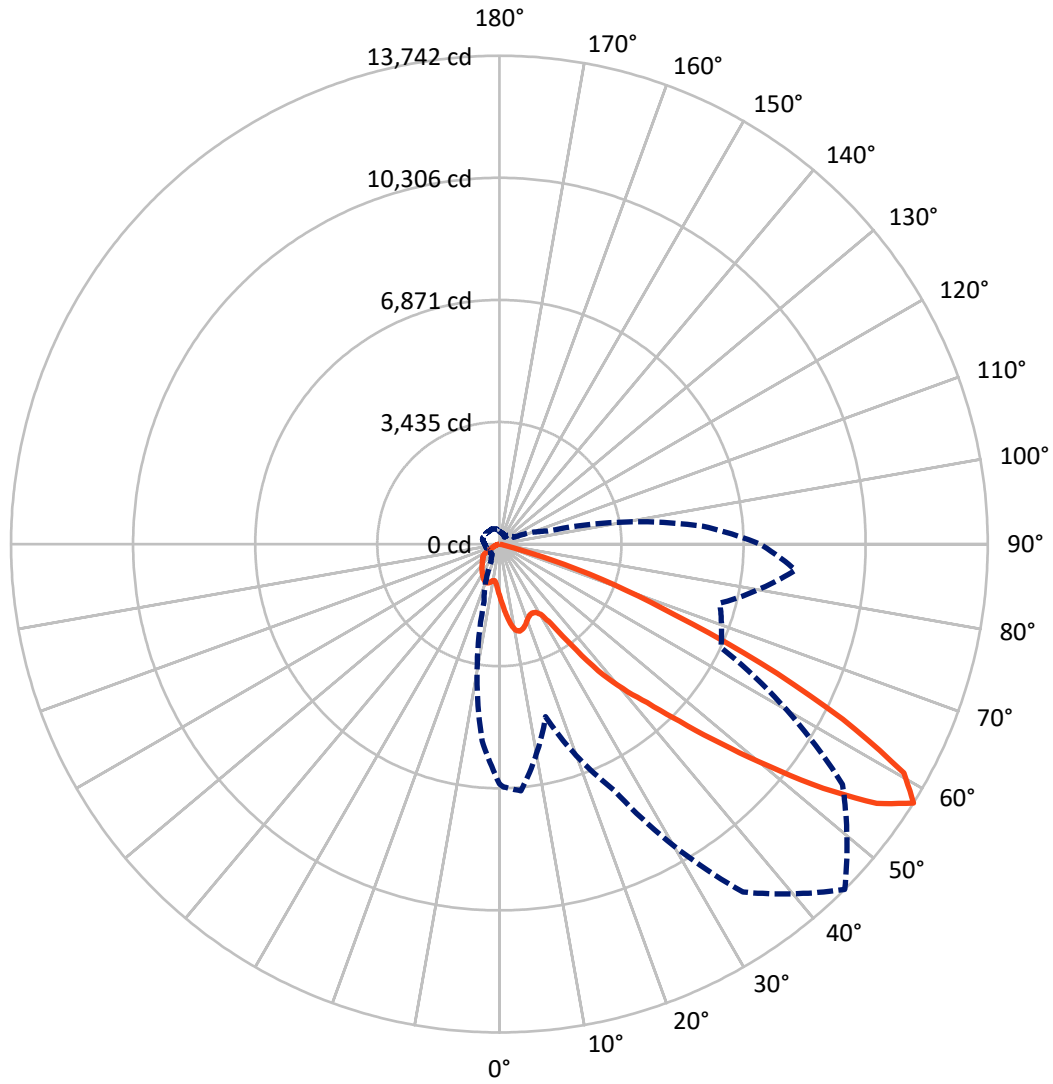
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.1 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	1863.1	0.0	1863.1
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	6457.1	0.0	6457.1
	% Fixture	77.6	0.0	77.6
Total	Lumens	8320.2	0.0	8320.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	1.7
10°-20°	465.4	5.6
20°-30°	756.0	9.1
30°-40°	1168.1	14.0
40°-50°	1873.1	22.5
50°-60°	2560.0	30.8
60°-70°	1239.9	14.9
70°-80°	113.5	1.4
80°-90°	0.3	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°	8320.2	100.0
0°-180°	8320.2	100.0

Coefficient of Utilization



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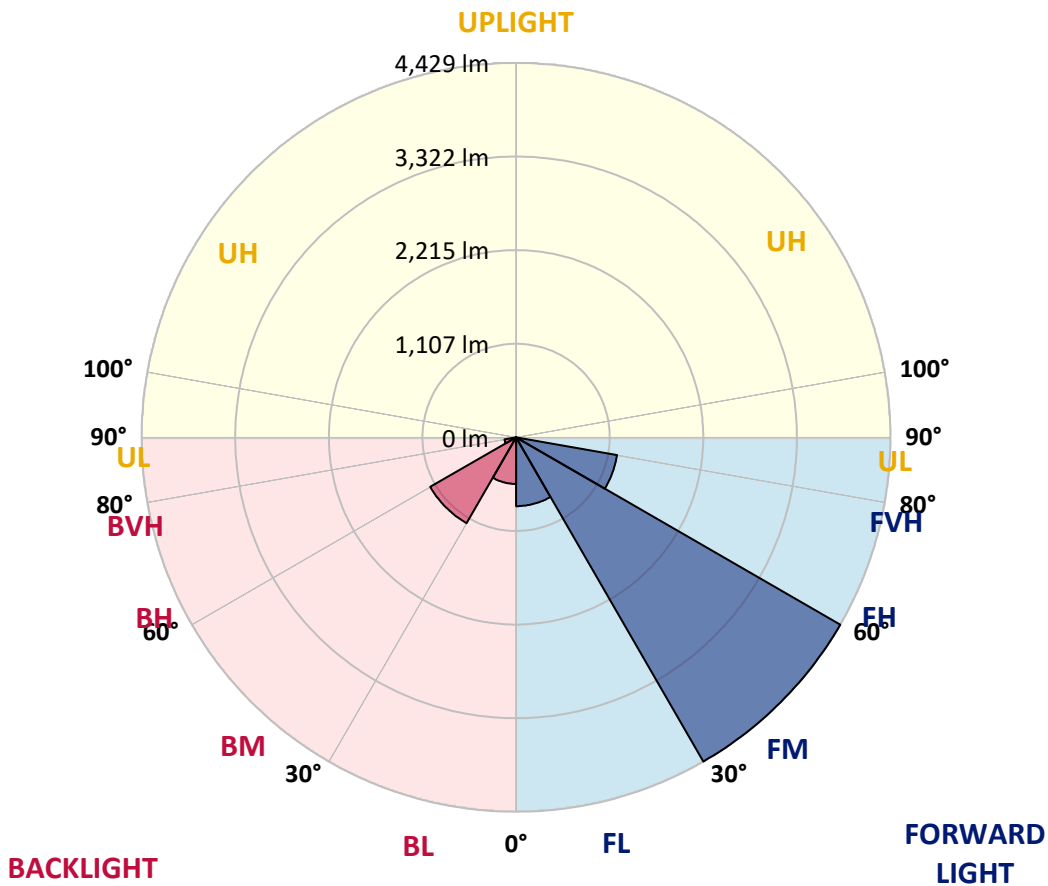
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	814.0	9.8			
FM (30°-60°)	4429.0	53.2			
FH (60°-80°)	1213.8	14.6			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	551.3	6.6	B2/1000		
BM (30°-60°)	1172.2	14.1	B2/2500		
BH (60°-80°)	139.6	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°	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4
2.5°	1584.2	1594.3	1611.1	1646.8	1677.0	1697.1	1706.1	1703.9	1691.6	1682.6	1664.7
5°	1754.2	1754.2	1786.6	1868.2	1930.8	1969.9	1990.1	1977.8	1953.2	1914.0	1853.7
7.5°	1902.9	1908.5	1963.2	2079.5	2174.5	2230.4	2262.9	2256.2	2212.6	2137.6	2016.9
10°	2019.1	2025.8	2098.5	2240.5	2352.3	2409.3	2457.4	2461.9	2413.8	2314.3	2175.7
12.5°	2132.1	2138.8	2214.8	2351.2	2449.6	2473.1	2515.5	2532.3	2520.0	2449.6	2305.3
15°	2253.9	2269.6	2334.4	2436.2	2477.5	2449.6	2477.5	2507.7	2549.1	2542.4	2412.7
17.5°	2373.5	2384.7	2450.7	2486.5	2440.6	2368.0	2381.4	2417.1	2511.1	2602.7	2518.9
20°	2484.2	2499.9	2554.7	2507.7	2369.1	2256.2	2257.3	2304.2	2447.3	2639.6	2627.3
22.5°	2600.5	2624.0	2663.1	2531.2	2303.1	2167.8	2173.4	2215.9	2397.0	2674.3	2750.3
25°	2752.6	2774.9	2800.6	2589.3	2281.9	2124.2	2145.5	2184.6	2397.0	2733.5	2902.4
27.5°	2958.3	2973.9	2975.0	2697.8	2318.8	2130.9	2175.7	2220.4	2468.6	2852.1	3105.8
30°	3216.5	3241.1	3208.7	2866.6	2433.9	2220.4	2286.3	2342.2	2622.9	3052.2	3405.5
32.5°	3530.7	3565.4	3521.7	3117.0	2674.3	2529.0	2648.6	2681.0	2868.8	3341.7	3745.4
35°	3899.6	3928.7	3881.8	3463.6	3235.5	3262.4	3479.3	3437.9	3363.0	3698.4	4142.2
37.5°	4304.4	4331.2	4240.6	3989.1	4065.1	4181.4	4528.0	4386.0	4144.5	4157.9	4572.7
40°	4675.5	4704.6	4562.6	4560.4	4716.9	4929.3	5347.5	5151.8	4823.1	4759.4	4976.3
42.5°	5060.1	5080.3	4951.7	4864.5	5220.0	5657.2	6099.9	5836.0	5272.6	5203.2	5481.6
45°	5609.1	5651.6	5422.4	5014.3	5672.8	6494.6	7111.7	6596.3	5578.9	5523.0	6255.3
47.5°	6416.3	6447.6	5980.3	5108.2	6094.3	7537.7	8376.2	7582.4	5848.3	5720.9	7312.9
50°	7083.7	7105.0	6493.4	5211.1	6542.6	8662.4	9817.3	8751.8	6151.3	6048.5	8300.1
52.5°	7575.7	7656.2	7167.6	5422.4	7131.8	9985.0	11412.7	10137.0	6624.2	6681.3	9118.5
55°	7677.4	7787.0	7628.2	5552.1	7650.6	11332.2	12886.2	11376.9	7096.0	7160.9	9393.6
57.5°	6747.2	6834.4	6966.4	5028.8	7638.3	11949.4	13741.5	11788.4	6881.4	6421.9	8363.9
60°	5054.5	5114.9	5354.2	3843.7	7024.5	11403.8	13075.2	11088.5	6017.2	4900.3	6372.7
62.5°	2997.4	3024.2	3327.2	2489.8	5830.5	9820.6	10843.6	9568.0	4754.9	3295.9	3903.0
65°	1150.4	1139.3	1370.7	1228.7	4287.6	7822.8	8065.4	7293.9	3262.4	1510.4	1488.1
67.5°	177.8	169.9	229.2	363.4	3092.4	5421.3	5321.8	5256.9	2043.7	352.2	307.5
70°	40.2	40.2	49.2	107.3	1889.4	3185.2	3408.8	3250.1	1308.1	74.9	40.2
72.5°	19.0	19.0	23.5	45.8	684.2	1312.6	1529.4	1506.0	424.8	24.6	14.5
75°	6.7	7.8	7.8	10.1	41.4	68.2	156.5	111.8	26.8	0.0	0.0
77.5°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.1	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°	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4
2.5°	1625.6	1617.8	1588.7	1549.6	1511.6	1478.0	1443.4	1402.0	1371.8	1337.1	1326.0
5°	1806.7	1757.5	1678.1	1595.4	1519.4	1454.5	1391.9	1324.8	1275.7	1226.5	1209.7
7.5°	1959.9	1887.2	1758.6	1634.5	1530.6	1438.9	1348.3	1256.6	1185.1	1127.0	1109.1
10°	2097.4	2013.5	1841.4	1688.2	1557.4	1451.2	1341.6	1226.5	1133.7	1064.4	1047.6
12.5°	2215.9	2118.6	1911.8	1728.5	1568.6	1446.7	1340.5	1248.8	1165.0	1085.6	1064.4
15°	2315.4	2208.1	1971.1	1755.3	1551.8	1390.8	1298.0	1283.5	1276.8	1189.6	1148.2
17.5°	2412.7	2291.9	2019.1	1767.6	1504.8	1292.4	1225.3	1291.3	1361.7	1304.7	1252.2
20°	2514.4	2376.9	2068.3	1769.8	1426.6	1181.7	1170.6	1274.5	1364.0	1346.1	1296.9
22.5°	2634.0	2483.1	2129.8	1768.7	1328.2	1087.8	1130.3	1242.1	1314.8	1313.7	1274.5
25°	2807.3	2617.3	2212.6	1775.4	1220.9	1015.2	1085.6	1187.3	1246.6	1244.4	1211.9
27.5°	2992.9	2777.2	2319.9	1792.2	1129.2	972.7	1033.0	1112.4	1163.9	1161.6	1133.7
30°	3253.4	2961.6	2422.7	1793.3	1063.2	950.3	974.9	1029.7	1078.9	1073.3	1052.1
32.5°	3569.8	3169.6	2508.8	1729.6	1021.9	929.1	914.5	942.5	980.5	972.7	967.1
35°	3952.2	3416.7	2582.6	1589.8	958.1	886.6	847.5	853.0	879.9	884.4	882.1
37.5°	4388.2	3710.7	2674.3	1405.3	872.1	825.1	772.5	768.1	783.7	798.3	809.4
40°	4818.6	4041.6	2798.4	1218.6	793.8	746.8	696.5	685.3	692.1	717.8	741.2
42.5°	5302.7	4425.1	2932.6	1058.8	740.1	660.7	612.7	591.4	610.4	651.8	679.8
45°	6000.4	4962.9	3063.4	931.3	717.8	584.7	519.9	517.6	538.9	592.5	623.9
47.5°	6979.8	5658.3	3149.5	831.8	716.6	525.5	448.3	461.7	486.3	538.9	574.7
50°	7934.6	6529.2	3054.4	755.8	693.2	486.3	394.7	421.5	446.1	491.9	528.8
52.5°	8510.3	6997.7	2684.4	684.2	620.5	468.4	342.1	389.1	393.5	434.9	474.0
55°	8450.0	6694.7	2056.0	573.5	513.2	442.7	287.3	351.1	353.3	384.6	418.1
57.5°	7334.2	5747.7	1412.1	465.1	385.7	365.6	237.0	296.3	317.5	336.5	361.1
60°	5466.0	4193.7	629.4	377.9	244.8	247.1	202.4	223.6	256.0	278.4	299.6
62.5°	3221.0	2412.7	256.0	227.0	135.3	155.4	163.2	163.2	183.4	200.1	213.5
65°	1217.5	844.1	104.0	114.0	70.4	72.7	96.1	118.5	134.2	148.7	166.6
67.5°	213.5	147.6	53.7	42.5	41.4	36.9	49.2	77.1	86.1	97.3	105.1
70°	35.8	30.2	22.4	21.2	19.0	20.1	32.4	54.8	60.4	63.7	67.1
72.5°	10.1	8.9	6.7	5.6	4.5	5.6	20.1	42.5	44.7	47.0	50.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	7.8	30.2	32.4	33.5	36.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	8.9	11.2	8.9
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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4
2.5°	1319.3	1296.9	1284.6	1277.9	1277.9	1268.9	1258.9	1255.5	1270.1	1270.1	1294.7
5°	1188.5	1170.6	1150.4	1138.1	1119.1	1122.5	1111.3	1110.2	1124.7	1131.4	1157.1
7.5°	1097.9	1075.5	1063.2	1055.4	1045.3	1040.9	1030.8	1027.5	1035.3	1046.5	1071.1
10°	1037.5	1034.2	1033.0	1038.6	1038.6	1033.0	1024.1	1018.5	1020.7	1042.0	1069.9
12.5°	1053.2	1059.9	1062.1	1071.1	1075.5	1071.1	1064.4	1066.6	1081.1	1120.3	1161.6
15°	1121.4	1115.8	1113.5	1118.0	1121.4	1116.9	1114.7	1131.4	1181.7	1237.6	1284.6
17.5°	1194.0	1158.3	1142.6	1142.6	1144.8	1142.6	1144.8	1177.3	1258.9	1314.8	1349.4
20°	1230.9	1165.0	1140.4	1134.8	1139.3	1140.4	1148.2	1185.1	1274.5	1313.7	1321.5
22.5°	1219.8	1137.0	1109.1	1104.6	1109.1	1113.5	1121.4	1152.7	1236.5	1256.6	1253.3
25°	1163.9	1082.2	1059.9	1059.9	1069.9	1068.8	1072.2	1094.5	1163.9	1176.2	1170.6
27.5°	1093.4	1016.3	997.3	1008.5	1017.4	1015.2	1016.3	1035.3	1086.7	1090.1	1084.5
30°	1021.9	954.8	936.9	950.3	962.6	960.4	961.5	980.5	1012.9	1009.6	1001.7
32.5°	949.2	900.0	886.6	894.4	913.4	911.2	915.7	935.8	948.1	933.5	924.6
35°	882.1	856.4	846.3	850.8	865.3	868.7	876.5	889.9	889.9	872.1	856.4
37.5°	819.5	816.2	809.4	803.9	817.3	827.3	838.5	854.2	831.8	806.1	791.6
40°	761.4	775.9	767.0	752.4	760.3	774.8	797.1	809.4	782.6	756.9	732.3
42.5°	707.7	732.3	728.9	711.1	717.8	731.2	756.9	767.0	735.7	706.6	683.1
45°	656.3	690.9	693.2	670.8	677.5	690.9	721.1	724.5	684.2	652.9	636.2
47.5°	611.6	649.6	650.7	633.9	636.2	655.2	683.1	684.2	638.4	609.3	588.1
50°	569.1	612.7	616.0	601.5	603.7	626.1	649.6	645.1	595.9	565.7	546.7
52.5°	517.6	576.9	584.7	578.0	587.0	604.8	619.4	603.7	546.7	516.5	499.8
55°	461.7	538.9	555.7	551.2	561.2	575.8	579.1	569.1	497.5	467.3	451.7
57.5°	396.9	443.9	472.9	464.0	471.8	486.3	496.4	488.6	434.9	411.4	398.0
60°	328.7	360.0	366.7	352.2	345.5	371.2	394.7	384.6	338.8	324.2	308.6
62.5°	240.4	276.1	280.6	261.6	253.8	281.7	301.9	291.8	241.5	225.8	213.5
65°	192.3	225.8	234.8	216.9	212.4	233.7	246.0	221.4	185.6	168.8	155.4
67.5°	126.3	153.2	176.6	175.5	166.6	173.3	164.3	144.2	118.5	109.6	100.6
70°	78.3	93.9	108.4	114.0	112.9	110.7	98.4	83.9	76.0	72.7	68.2
72.5°	60.4	76.0	87.2	90.6	91.7	88.3	78.3	64.8	57.0	52.5	49.2
75°	44.7	57.0	66.0	70.4	72.7	70.4	60.4	51.4	43.6	40.2	36.9
77.5°	15.7	19.0	23.5	25.7	24.6	23.5	21.2	21.2	16.8	15.7	13.4
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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CATALOG NUMBER: GWS-SA6B-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4	1462.4
2.5°	1322.6	1342.7	1379.6	1413.2	1448.9	1485.8	1526.1	1567.5	1586.5	1584.2
5°	1196.3	1239.9	1300.3	1366.2	1440.0	1519.4	1607.7	1698.3	1737.4	1754.2
7.5°	1116.9	1178.4	1257.8	1341.6	1438.9	1551.8	1684.8	1826.8	1883.9	1902.9
10°	1127.0	1198.5	1264.5	1346.1	1450.1	1596.5	1762.0	1930.8	1997.9	2019.1
12.5°	1208.6	1224.2	1242.1	1309.2	1440.0	1630.1	1832.4	2033.7	2110.8	2132.1
15°	1282.4	1209.7	1176.2	1237.6	1404.2	1653.5	1904.0	2144.4	2229.3	2253.9
17.5°	1285.7	1176.2	1101.2	1149.3	1346.1	1663.6	1974.4	2257.3	2350.1	2373.5
20°	1244.4	1139.3	1043.1	1044.2	1266.7	1661.4	2032.6	2359.0	2463.0	2484.2
22.5°	1184.0	1095.7	996.2	961.5	1181.7	1656.9	2096.3	2467.5	2580.4	2600.5
25°	1116.9	1039.8	951.4	898.9	1096.8	1661.4	2185.7	2609.4	2733.5	2752.6
27.5°	1044.2	978.3	916.8	874.3	1025.2	1678.1	2293.1	2790.6	2938.1	2958.3
30°	968.2	919.0	894.4	868.7	980.5	1682.6	2409.3	3001.9	3188.6	3216.5
32.5°	893.3	866.5	867.6	872.1	938.0	1651.3	2515.5	3236.7	3486.0	3530.7
35°	824.0	816.2	838.5	860.9	876.5	1570.8	2608.3	3513.9	3853.8	3899.6
37.5°	764.7	771.4	799.4	821.7	809.4	1456.8	2731.3	3860.5	4265.2	4304.4
40°	707.7	724.5	756.9	767.0	758.0	1323.7	2878.9	4194.8	4621.9	4675.5
42.5°	655.2	667.5	713.3	715.5	743.5	1188.5	3020.9	4554.8	5032.2	5060.1
45°	612.7	610.4	657.4	671.9	762.5	1038.6	3159.5	5034.4	5568.8	5609.1
47.5°	571.3	569.1	580.3	646.2	770.3	900.0	3297.0	5736.5	6347.0	6416.3
50°	532.2	535.5	500.9	633.9	727.8	793.8	3359.6	6386.1	7054.7	7083.7
52.5°	497.5	485.2	424.8	593.7	637.3	693.2	3181.9	6681.3	7492.9	7575.7
55°	448.3	380.1	349.9	481.9	503.1	604.8	2606.1	6510.2	7531.0	7677.4
57.5°	383.5	298.5	297.4	355.5	355.5	561.2	1669.2	5562.1	6490.1	6747.2
60°	295.2	231.4	246.0	247.1	228.1	409.2	936.9	4029.3	4798.5	5054.5
62.5°	210.2	176.6	185.6	147.6	130.8	204.6	449.4	2319.9	2961.6	2997.4
65°	140.9	119.6	97.3	81.6	80.5	87.2	185.6	838.5	1019.6	1150.4
67.5°	92.8	72.7	51.4	51.4	58.1	58.1	70.4	138.6	194.5	177.8
70°	60.4	50.3	32.4	31.3	38.0	38.0	35.8	38.0	40.2	40.2
72.5°	44.7	38.0	19.0	16.8	21.2	22.4	20.1	19.0	19.0	19.0
75°	33.5	26.8	11.2	7.8	10.1	13.4	11.2	7.8	7.8	6.7
77.5°	13.4	10.1	4.5	3.4	5.6	7.8	6.7	3.4	2.2	2.2
80°	1.1	2.2	2.2	2.2	3.4	4.5	5.6	2.2	1.1	1.1
82.5°	0.0	1.1	1.1	1.1	2.2	3.4	4.5	2.2	1.1	1.1
85°	0.0	0.0	0.0	0.0	2.2	3.4	2.2	1.1	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.1	3.4	2.2	1.1	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)