

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: P641728

Luminaire Tested: GWS-SA6B-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641728  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

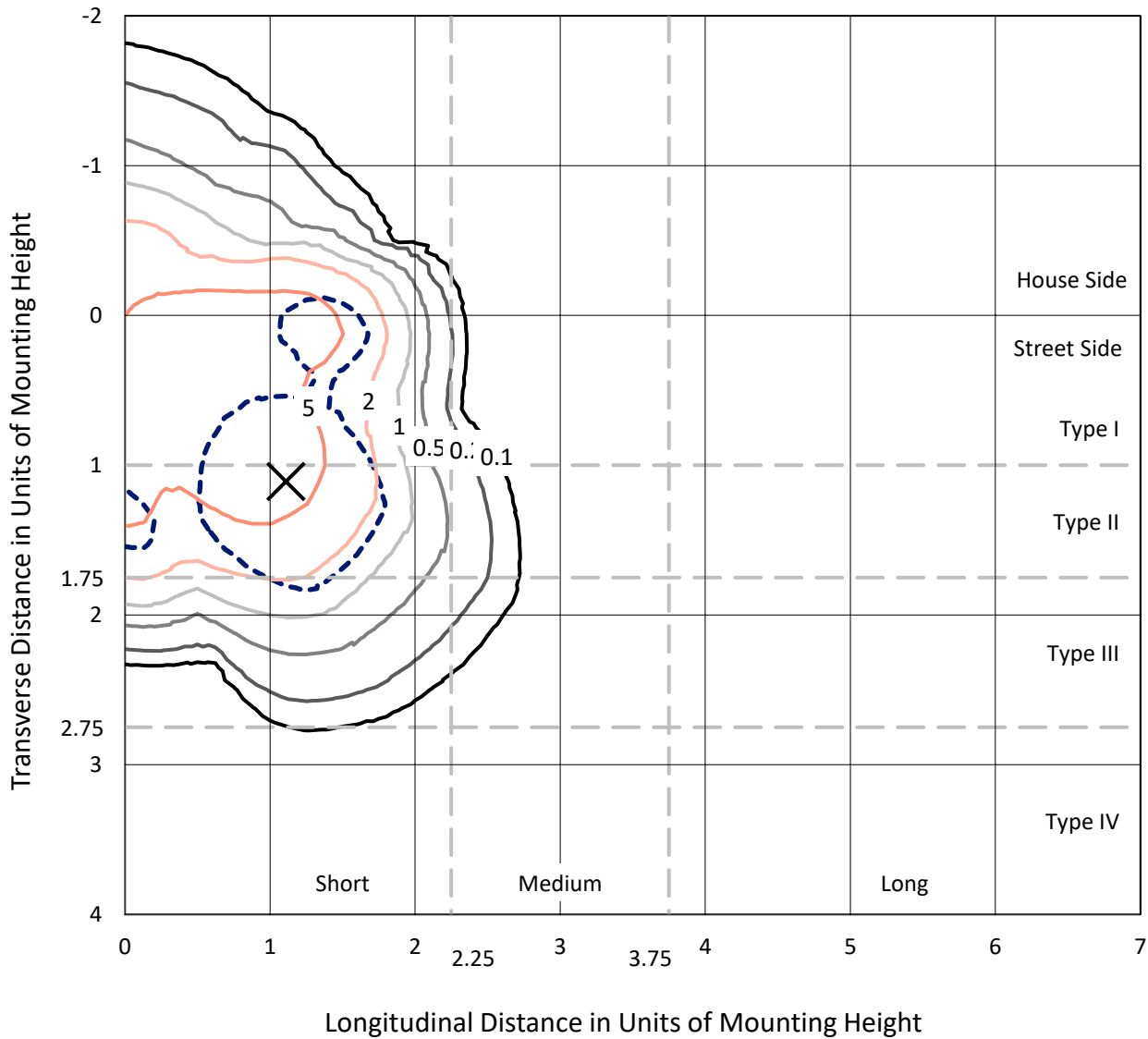
Lumens per Lamp: N/A  
Luminaire Lumens: 11295.5 lumens  
Efficiency: N/A  
Efficacy: 81.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

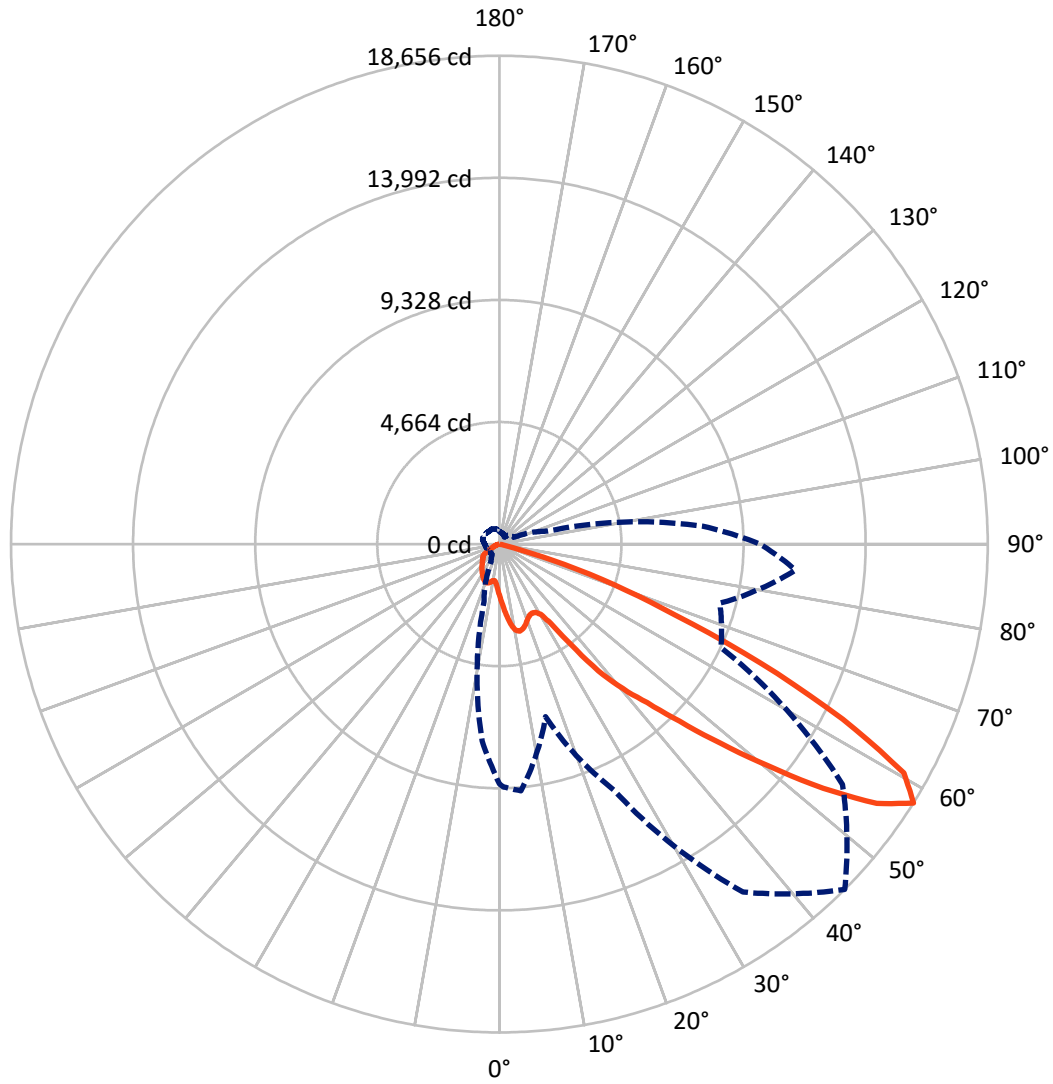
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.8 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
<b>House Side</b>	Lumens	2529.4	0.0	2529.4
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	8766.1	0.0	8766.1
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	11295.5	0.0	11295.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.3	1.7
10°-20°	631.8	5.6
20°-30°	1026.3	9.1
30°-40°	1585.8	14.0
40°-50°	2542.9	22.5
50°-60°	3475.5	30.8
60°-70°	1683.3	14.9
70°-80°	154.1	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°	11295.5	100.0
0°-180°	11295.5	100.0

**Coefficient of Utilization**



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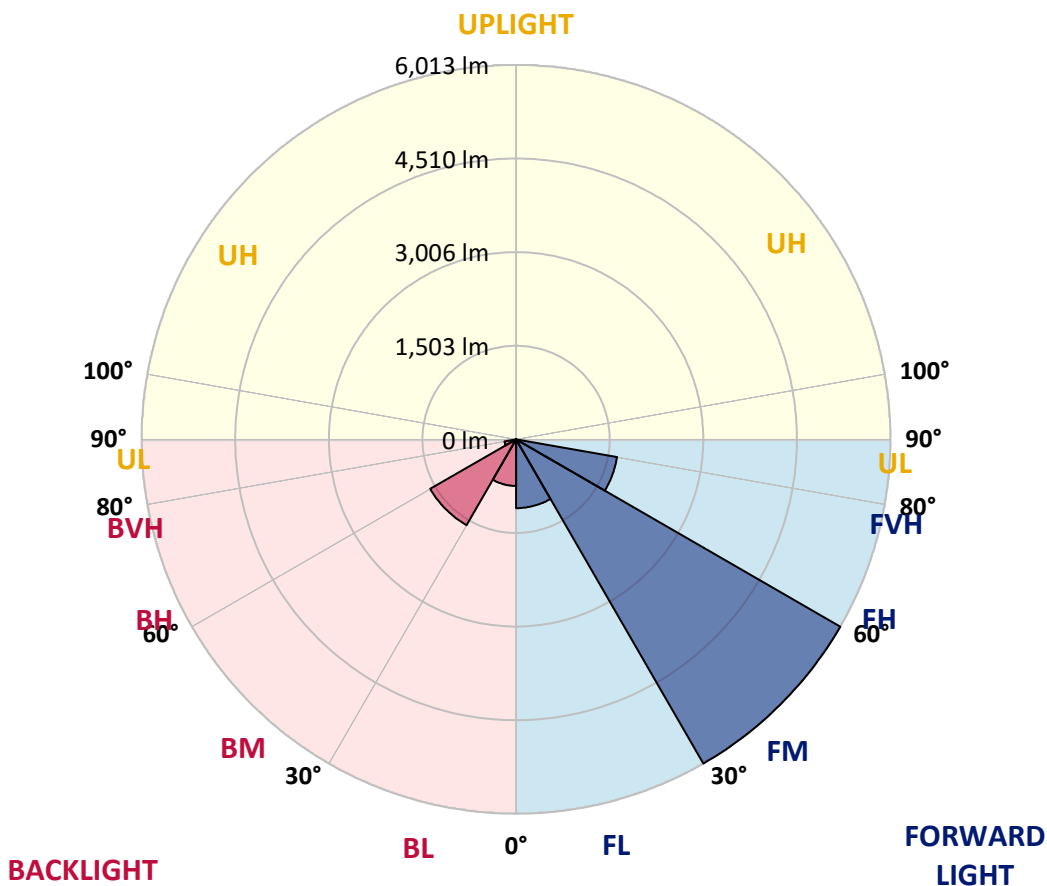
CATALOG NUMBER: GWS-SA6B-740-U-SLR-W-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1105.0	9.8			
FM (30°-60°)	6012.8	53.2			
FH (60°-80°)	1647.8	14.6			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	748.4	6.6	B2/1000		
BM (30°-60°)	1591.4	14.1	B2/2500		
BH (60°-80°)	189.6	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°	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3
2.5°	2150.7	2164.4	2187.2	2235.7	2276.7	2304.0	2316.2	2313.2	2296.5	2284.3	2260.0
5°	2381.5	2381.5	2425.5	2536.3	2621.3	2674.4	2701.7	2685.0	2651.6	2598.5	2516.5
7.5°	2583.3	2590.9	2665.3	2823.1	2952.2	3028.0	3072.1	3063.0	3003.8	2902.1	2738.1
10°	2741.2	2750.3	2848.9	3041.7	3193.5	3270.9	3336.2	3342.2	3277.0	3141.9	2953.7
12.5°	2894.5	2903.6	3006.8	3192.0	3325.5	3357.4	3415.1	3437.9	3421.2	3325.5	3129.7
15°	3059.9	3081.2	3169.2	3307.3	3363.5	3325.5	3363.5	3404.5	3460.6	3451.5	3275.5
17.5°	3222.3	3237.5	3327.1	3375.6	3313.4	3214.7	3233.0	3281.5	3409.0	3533.5	3419.6
20°	3372.6	3393.8	3468.2	3404.5	3216.3	3063.0	3064.5	3128.2	3322.5	3583.6	3566.9
22.5°	3530.4	3562.3	3615.4	3436.3	3126.7	2943.0	2950.6	3008.3	3254.2	3630.6	3733.8
25°	3736.9	3767.2	3802.1	3515.3	3097.9	2883.9	2912.7	2965.8	3254.2	3711.1	3940.3
27.5°	4016.1	4037.4	4038.9	3662.5	3148.0	2893.0	2953.7	3014.4	3351.3	3872.0	4216.5
30°	4366.8	4400.2	4356.1	3891.7	3304.3	3014.4	3103.9	3179.8	3560.8	4143.6	4623.3
32.5°	4793.3	4840.3	4781.1	4231.7	3630.6	3433.3	3595.7	3639.7	3894.7	4536.8	5084.7
35°	5294.1	5333.6	5269.9	4702.2	4392.6	4429.0	4723.4	4667.3	4565.6	5020.9	5623.5
37.5°	5843.6	5880.0	5757.1	5415.6	5518.8	5676.6	6147.2	5954.4	5626.5	5644.8	6207.9
40°	6347.5	6387.0	6194.2	6191.2	6403.7	6692.1	7259.7	6994.1	6547.9	6461.3	6755.8
42.5°	6869.6	6897.0	6722.4	6604.0	7086.7	7680.2	8281.2	7923.0	7158.0	7063.9	7441.9
45°	7614.9	7672.6	7361.4	6807.4	7701.4	8817.0	9654.8	8955.1	7573.9	7498.0	8492.2
47.5°	8710.8	8753.3	8118.8	6934.9	8273.6	10233.1	11371.5	10293.8	7939.7	7766.7	9928.0
50°	9616.9	9645.7	8815.5	7074.5	8882.3	11760.1	13328.0	11881.5	8351.0	8211.4	11268.3
52.5°	10284.7	10394.0	9730.7	7361.4	9682.2	13555.6	15493.9	13762.1	8993.1	9070.5	12379.3
55°	10422.9	10571.6	10356.1	7537.5	10386.4	15384.6	17494.4	15445.3	9633.6	9721.6	12752.7
57.5°	9160.0	9278.4	9457.5	6827.1	10369.7	16222.4	18655.5	16003.9	9342.2	8718.3	11354.8
60°	6862.1	6944.0	7268.8	5218.3	9536.4	15481.7	17750.9	15053.7	8168.9	6652.6	8651.6
62.5°	4069.3	4105.7	4517.0	3380.2	7915.4	13332.5	14721.3	12989.5	6455.3	4474.5	5298.7
65°	1561.8	1546.7	1860.8	1668.1	5820.8	10620.2	10949.5	9902.2	4429.0	2050.6	2020.2
67.5°	241.3	230.7	311.2	493.3	4198.3	7359.9	7224.8	7136.8	2774.6	478.1	417.4
70°	54.6	54.6	66.8	145.7	2565.1	4324.3	4627.8	4412.3	1775.8	101.7	54.6
72.5°	25.8	25.8	31.9	62.2	928.9	1781.9	2076.4	2044.5	576.8	33.4	19.7
75°	9.1	10.6	10.6	13.7	56.2	92.6	212.5	151.8	36.4	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3
2.5°	2206.9	2196.3	2156.8	2103.7	2052.1	2006.6	1959.5	1903.3	1862.4	1815.3	1800.1
5°	2452.8	2386.0	2278.2	2165.9	2062.7	1974.7	1889.7	1798.6	1731.8	1665.0	1642.3
7.5°	2660.7	2562.1	2387.5	2219.0	2077.9	1953.4	1830.5	1706.0	1608.9	1530.0	1505.7
10°	2847.4	2733.6	2499.8	2291.9	2114.3	1970.1	1821.4	1665.0	1539.1	1445.0	1422.2
12.5°	3008.3	2876.3	2595.5	2346.5	2129.5	1964.1	1819.9	1695.4	1581.6	1473.8	1445.0
15°	3143.4	2997.7	2675.9	2383.0	2106.7	1888.2	1762.2	1742.5	1733.3	1615.0	1558.8
17.5°	3275.5	3111.5	2741.2	2399.7	2043.0	1754.6	1663.5	1753.1	1848.7	1771.3	1700.0
20°	3413.6	3226.9	2808.0	2402.7	1936.7	1604.3	1589.2	1730.3	1851.7	1827.5	1760.7
22.5°	3576.0	3371.1	2891.4	2401.2	1803.2	1476.8	1534.5	1686.3	1785.0	1783.4	1730.3
25°	3811.2	3553.2	3003.8	2410.3	1657.5	1378.2	1473.8	1611.9	1692.4	1689.3	1645.3
27.5°	4063.2	3770.3	3149.5	2433.1	1533.0	1320.5	1402.5	1510.2	1580.0	1577.0	1539.1
30°	4416.8	4020.7	3289.1	2434.6	1443.4	1290.1	1323.5	1397.9	1464.7	1457.1	1428.3
32.5°	4846.4	4303.0	3406.0	2348.1	1387.3	1261.3	1241.6	1279.5	1331.1	1320.5	1312.9
35°	5365.5	4638.5	3506.2	2158.3	1300.8	1203.6	1150.5	1158.1	1194.5	1200.6	1197.6
37.5°	5957.4	5037.6	3630.6	1907.9	1183.9	1120.1	1048.8	1042.7	1064.0	1083.7	1098.9
40°	6541.8	5486.9	3799.1	1654.4	1077.7	1013.9	945.6	930.4	939.5	974.4	1006.3
42.5°	7199.0	6007.5	3981.2	1437.4	1004.8	897.0	831.8	802.9	828.7	884.9	922.8
45°	8146.1	6737.6	4158.8	1264.3	974.4	793.8	705.8	702.7	731.6	804.4	846.9
47.5°	9475.7	7681.7	4275.7	1129.3	972.9	713.4	608.6	626.9	660.3	731.6	780.2
50°	10772.0	8864.1	4146.7	1026.0	941.0	660.3	535.8	572.2	605.6	667.8	717.9
52.5°	11553.6	9500.0	3644.3	928.9	842.4	636.0	464.5	528.2	534.3	590.4	643.6
55°	11471.7	9088.7	2791.3	778.6	696.7	601.1	390.1	476.6	479.6	522.1	567.7
57.5°	9956.9	7803.1	1917.0	631.4	523.6	496.3	321.8	402.2	431.1	456.9	490.3
60°	7420.6	5693.3	854.5	513.0	332.4	335.4	274.7	303.6	347.6	377.9	406.8
62.5°	4372.8	3275.5	347.6	308.1	183.7	211.0	221.6	221.6	248.9	271.7	289.9
65°	1652.9	1146.0	141.2	154.8	95.6	98.7	130.5	160.9	182.1	201.9	226.2
67.5°	289.9	200.4	72.9	57.7	56.2	50.1	66.8	104.7	116.9	132.1	142.7
70°	48.6	41.0	30.4	28.8	25.8	27.3	44.0	74.4	82.0	86.5	91.1
72.5°	13.7	12.1	9.1	7.6	6.1	7.6	27.3	57.7	60.7	63.7	68.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	10.6	41.0	44.0	45.5	50.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	12.1	15.2	12.1
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-740-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3
2.5°	1791.0	1760.7	1744.0	1734.9	1734.9	1722.7	1709.1	1704.5	1724.2	1724.2	1757.6
5°	1613.4	1589.2	1561.8	1545.1	1519.3	1523.9	1508.7	1507.2	1526.9	1536.0	1570.9
7.5°	1490.5	1460.1	1443.4	1432.8	1419.2	1413.1	1399.4	1394.9	1405.5	1420.7	1454.1
10°	1408.5	1404.0	1402.5	1410.1	1410.1	1402.5	1390.3	1382.7	1385.8	1414.6	1452.6
12.5°	1429.8	1438.9	1441.9	1454.1	1460.1	1454.1	1445.0	1448.0	1467.7	1520.9	1577.0
15°	1522.4	1514.8	1511.7	1517.8	1522.4	1516.3	1513.3	1536.0	1604.3	1680.2	1744.0
17.5°	1621.0	1572.5	1551.2	1551.2	1554.2	1551.2	1554.2	1598.3	1709.1	1785.0	1832.0
20°	1671.1	1581.6	1548.2	1540.6	1546.7	1548.2	1558.8	1608.9	1730.3	1783.4	1794.1
22.5°	1655.9	1543.6	1505.7	1499.6	1505.7	1511.7	1522.4	1564.9	1678.7	1706.0	1701.5
25°	1580.0	1469.2	1438.9	1438.9	1452.6	1451.0	1455.6	1485.9	1580.0	1596.7	1589.2
27.5°	1484.4	1379.7	1353.9	1369.1	1381.2	1378.2	1379.7	1405.5	1475.3	1479.9	1472.3
30°	1387.3	1296.2	1271.9	1290.1	1306.8	1303.8	1305.3	1331.1	1375.1	1370.6	1360.0
32.5°	1288.6	1221.8	1203.6	1214.3	1240.1	1237.0	1243.1	1270.4	1287.1	1267.4	1255.2
35°	1197.6	1162.6	1149.0	1155.1	1174.8	1179.3	1190.0	1208.2	1208.2	1183.9	1162.6
37.5°	1112.6	1108.0	1098.9	1091.3	1109.5	1123.2	1138.4	1159.6	1129.3	1094.3	1074.6
40°	1033.6	1053.4	1041.2	1021.5	1032.1	1051.8	1082.2	1098.9	1062.5	1027.6	994.2
42.5°	960.8	994.2	989.6	965.3	974.4	992.7	1027.6	1041.2	998.7	959.3	927.4
45°	891.0	938.0	941.0	910.7	919.8	938.0	979.0	983.5	928.9	886.4	863.6
47.5°	830.2	881.9	883.4	860.6	863.6	889.4	927.4	928.9	866.7	827.2	798.4
50°	772.6	831.8	836.3	816.6	819.6	850.0	881.9	875.8	809.0	768.0	742.2
52.5°	702.7	783.2	793.8	784.7	796.9	821.1	840.9	819.6	742.2	701.2	678.5
55°	626.9	731.6	754.4	748.3	761.9	781.7	786.2	772.6	675.4	634.4	613.2
57.5°	538.8	602.6	642.0	629.9	640.5	660.3	673.9	663.3	590.4	558.6	540.3
60°	446.2	488.7	497.8	478.1	469.0	503.9	535.8	522.1	459.9	440.2	418.9
62.5°	326.3	374.9	381.0	355.2	344.5	382.5	409.8	396.2	327.8	306.6	289.9
65°	261.1	306.6	318.7	294.5	288.4	317.2	333.9	300.5	252.0	229.2	211.0
67.5°	171.5	207.9	239.8	238.3	226.2	235.3	223.1	195.8	160.9	148.7	136.6
70°	106.2	127.5	147.2	154.8	153.3	150.3	133.6	113.8	103.2	98.7	92.6
72.5°	82.0	103.2	118.4	122.9	124.5	119.9	106.2	88.0	77.4	71.3	66.8
75°	60.7	77.4	89.6	95.6	98.7	95.6	82.0	69.8	59.2	54.6	50.1
77.5°	21.2	25.8	31.9	34.9	33.4	31.9	28.8	28.8	22.8	21.2	18.2
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3	1985.3
2.5°	1795.6	1822.9	1873.0	1918.5	1967.1	2017.2	2071.8	2128.0	2153.8	2150.7
5°	1624.1	1683.3	1765.2	1854.8	1954.9	2062.7	2182.6	2305.6	2358.7	2381.5
7.5°	1516.3	1599.8	1707.5	1821.4	1953.4	2106.7	2287.4	2480.1	2557.5	2583.3
10°	1530.0	1627.1	1716.7	1827.5	1968.6	2167.4	2392.1	2621.3	2712.3	2741.2
12.5°	1640.8	1662.0	1686.3	1777.4	1954.9	2213.0	2487.7	2760.9	2865.6	2894.5
15°	1740.9	1642.3	1596.7	1680.2	1906.4	2244.9	2584.8	2911.2	3026.5	3059.9
17.5°	1745.5	1596.7	1495.1	1560.3	1827.5	2258.5	2680.5	3064.5	3190.5	3222.3
20°	1689.3	1546.7	1416.1	1417.6	1719.7	2255.5	2759.4	3202.6	3343.8	3372.6
22.5°	1607.4	1487.5	1352.4	1305.3	1604.3	2249.4	2845.9	3349.8	3503.1	3530.4
25°	1516.3	1411.6	1291.7	1220.3	1489.0	2255.5	2967.3	3542.6	3711.1	3736.9
27.5°	1417.6	1328.1	1244.6	1186.9	1391.8	2278.2	3113.0	3788.5	3988.8	4016.1
30°	1314.4	1247.6	1214.3	1179.3	1331.1	2284.3	3270.9	4075.3	4328.8	4366.8
32.5°	1212.7	1176.3	1177.8	1183.9	1273.4	2241.8	3415.1	4394.1	4732.6	4793.3
35°	1118.6	1108.0	1138.4	1168.7	1190.0	2132.5	3541.1	4770.5	5231.9	5294.1
37.5°	1038.2	1047.3	1085.2	1115.6	1098.9	1977.7	3708.0	5241.0	5790.5	5843.6
40°	960.8	983.5	1027.6	1041.2	1029.1	1797.1	3908.4	5694.9	6274.7	6347.5
42.5°	889.4	906.1	968.4	971.4	1009.3	1613.4	4101.1	6183.6	6831.7	6869.6
45°	831.8	828.7	892.5	912.2	1035.2	1410.1	4289.4	6834.7	7560.2	7614.9
47.5°	775.6	772.6	787.7	877.3	1045.8	1221.8	4476.0	7787.9	8616.7	8710.8
50°	722.5	727.0	680.0	860.6	988.1	1077.7	4561.0	8669.8	9577.4	9616.9
52.5°	675.4	658.7	576.8	806.0	865.2	941.0	4319.7	9070.5	10172.4	10284.7
55°	608.6	516.1	475.1	654.2	683.0	821.1	3538.0	8838.3	10224.0	10422.9
57.5°	520.6	405.3	403.7	482.7	482.7	761.9	2266.1	7551.1	8810.9	9160.0
60°	400.7	314.2	333.9	335.4	309.6	555.5	1271.9	5470.2	6514.5	6862.1
62.5°	285.3	239.8	252.0	200.4	177.6	277.8	610.2	3149.5	4020.7	4069.3
65°	191.2	162.4	132.1	110.8	109.3	118.4	252.0	1138.4	1384.2	1561.8
67.5°	126.0	98.7	69.8	69.8	78.9	78.9	95.6	188.2	264.1	241.3
70°	82.0	68.3	44.0	42.5	51.6	51.6	48.6	51.6	54.6	54.6
72.5°	60.7	51.6	25.8	22.8	28.8	30.4	27.3	25.8	25.8	25.8
75°	45.5	36.4	15.2	10.6	13.7	18.2	15.2	10.6	10.6	9.1
77.5°	18.2	13.7	6.1	4.6	7.6	10.6	9.1	4.6	3.0	3.0
80°	1.5	3.0	3.0	3.0	4.6	6.1	7.6	3.0	1.5	1.5
82.5°	0.0	1.5	1.5	1.5	3.0	4.6	6.1	3.0	1.5	1.5
85°	0.0	0.0	0.0	0.0	3.0	4.6	3.0	1.5	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.5	4.6	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

(END OF REPORT)