

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: P635238

Luminaire Tested: GWS-SA3D-735-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635238  
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-SA3D-735-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

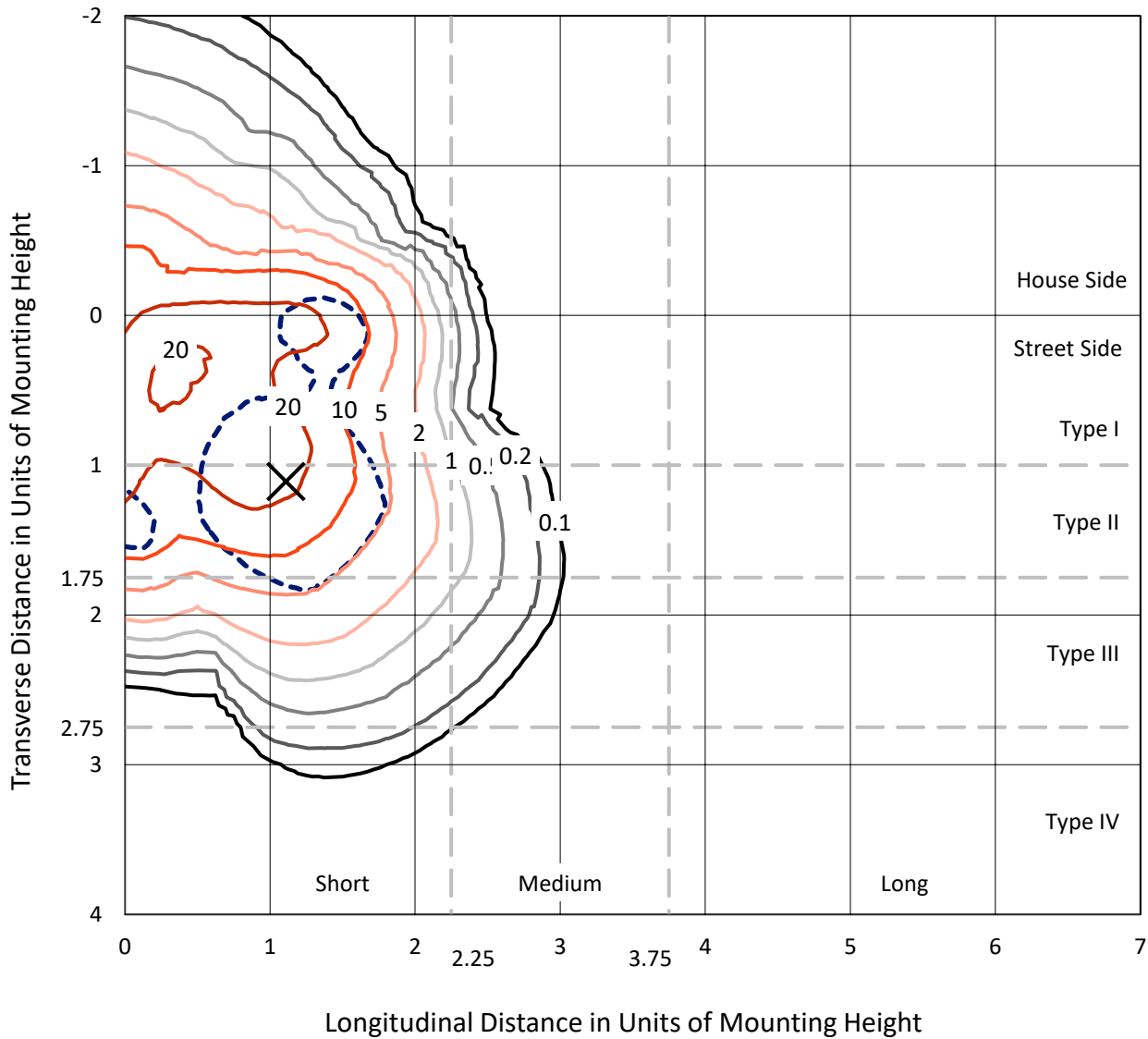
Lumens per Lamp: N/A  
Luminaire Lumens: 9259.9 lumens  
Efficiency: N/A  
Efficacy: 76.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

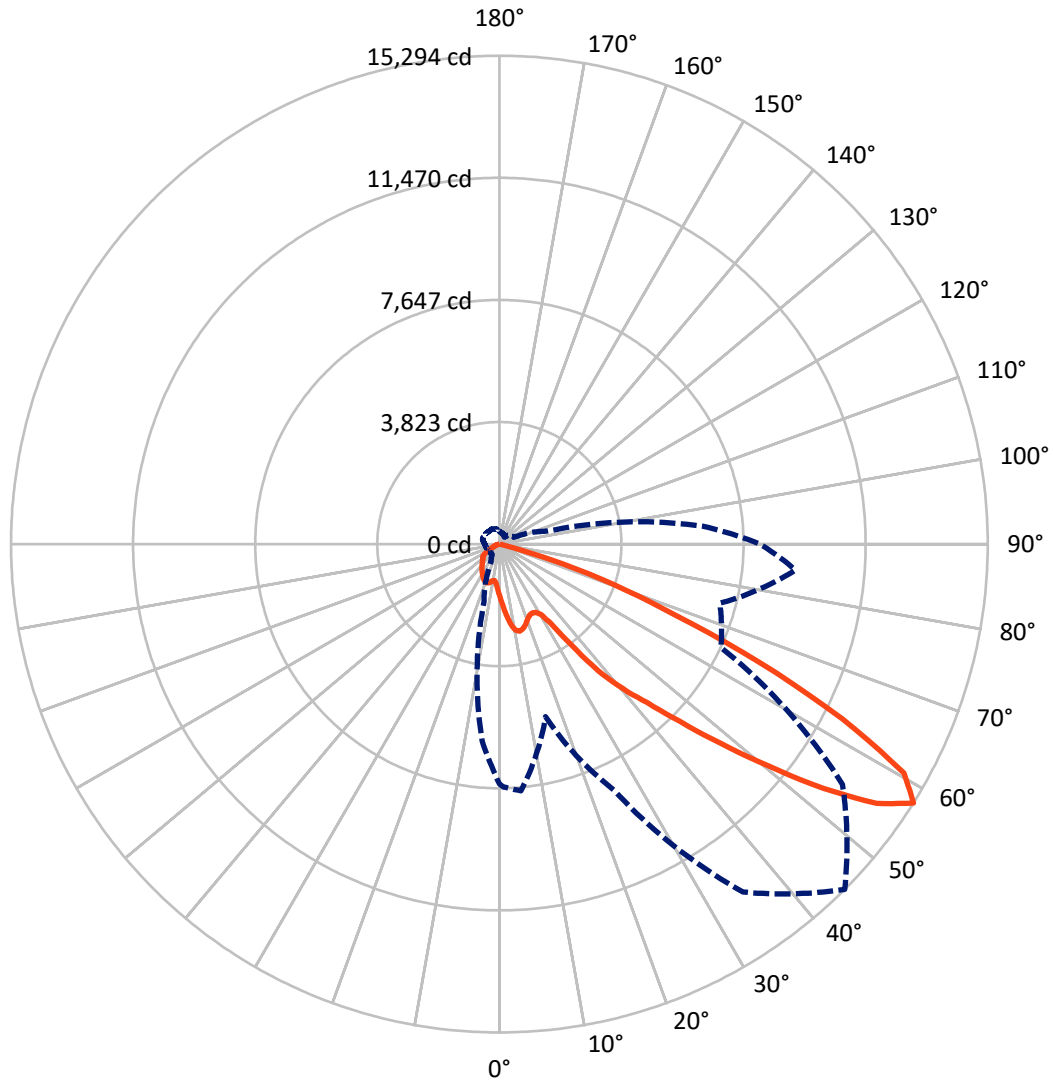
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29 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	2073.5	0.0	2073.5
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	7186.4	0.0	7186.4
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	9259.9	0.0	9259.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.1	1.7
10°-20°	517.9	5.6
20°-30°	841.4	9.1
30°-40°	1300.1	14.0
40°-50°	2084.6	22.5
50°-60°	2849.1	30.8
60°-70°	1379.9	14.9
70°-80°	126.4	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°	9259.9	100.0
0°-180°	9259.9	100.0

**Coefficient of Utilization**



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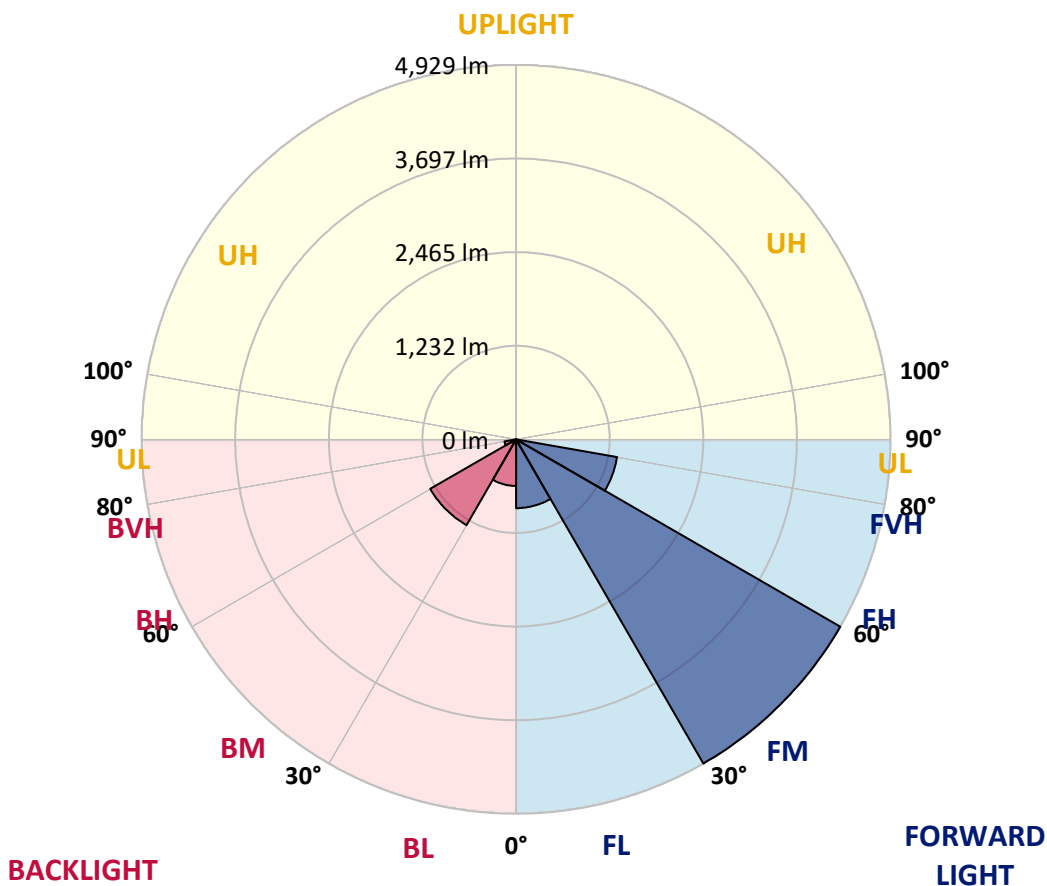
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	905.9	9.8			
FM (30°-60°)	4929.3	53.2			
FH (60°-80°)	1350.8	14.6			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	613.5	6.6	B2/1000		
BM (30°-60°)	1304.6	14.1	B2/2500		
BH (60°-80°)	155.4	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°	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5
2.5°	1763.2	1774.4	1793.0	1832.8	1866.4	1888.8	1898.8	1896.3	1882.6	1872.7	1852.7
5°	1952.3	1952.3	1988.4	2079.2	2148.9	2192.4	2214.8	2201.1	2173.8	2130.2	2063.0
7.5°	2117.8	2124.0	2185.0	2314.4	2420.1	2482.4	2518.4	2511.0	2462.4	2379.1	2244.7
10°	2247.2	2254.6	2335.5	2493.6	2618.0	2681.4	2734.9	2739.9	2686.4	2575.7	2421.4
12.5°	2372.9	2380.3	2464.9	2616.7	2726.2	2752.4	2799.6	2818.3	2804.6	2726.2	2565.7
15°	2508.5	2525.9	2598.1	2711.3	2757.3	2726.2	2757.3	2790.9	2837.0	2829.5	2685.2
17.5°	2641.6	2654.1	2727.5	2767.3	2716.3	2635.4	2650.3	2690.1	2794.7	2896.7	2803.4
20°	2764.8	2782.2	2843.2	2790.9	2636.6	2511.0	2512.2	2564.5	2723.7	2937.8	2924.1
22.5°	2894.2	2920.3	2963.9	2817.1	2563.2	2412.7	2418.9	2466.2	2667.8	2976.3	3060.9
25°	3063.4	3088.3	3116.9	2881.8	2539.6	2364.1	2387.8	2431.3	2667.8	3042.3	3230.2
27.5°	3292.4	3309.8	3311.0	3002.5	2580.7	2371.6	2421.4	2471.2	2747.4	3174.2	3456.6
30°	3579.8	3607.2	3571.1	3190.4	2708.8	2471.2	2544.6	2606.8	2919.1	3396.9	3790.1
32.5°	3929.5	3968.0	3919.5	3469.1	2976.3	2814.6	2947.7	2983.8	3192.8	3719.2	4168.4
35°	4340.1	4372.4	4320.2	3854.8	3601.0	3630.8	3872.2	3826.2	3742.8	4116.1	4610.1
37.5°	4790.5	4820.4	4719.6	4439.6	4524.2	4653.6	5039.4	4881.3	4612.6	4627.5	5089.1
40°	5203.6	5236.0	5077.9	5075.4	5249.6	5486.1	5951.4	5733.7	5367.9	5296.9	5538.3
42.5°	5631.6	5654.0	5510.9	5413.9	5809.6	6296.1	6788.8	6495.2	5868.1	5790.9	6100.7
45°	6242.6	6289.9	6034.8	5580.6	6313.5	7228.1	7914.9	7341.3	6209.0	6146.8	6961.8
47.5°	7141.0	7175.8	6655.7	5685.1	6782.6	8389.0	9322.2	8438.8	6508.9	6367.0	8138.9
50°	7883.8	7907.4	7226.8	5799.6	7281.6	9640.7	10926.1	9740.3	6846.1	6731.6	9237.6
52.5°	8431.3	8520.9	7977.1	6034.8	7937.3	11112.7	12701.7	11281.9	7372.4	7435.9	10148.4
55°	8544.5	8666.5	8489.8	6179.1	8514.7	12612.1	14341.6	12661.9	7897.5	7969.7	10454.5
57.5°	7509.3	7606.3	7753.1	5596.8	8501.0	13298.9	15293.5	13119.8	7658.6	7147.2	9308.5
60°	5625.4	5692.6	5958.9	4277.9	7817.9	12691.7	14551.9	12340.8	6696.8	5453.7	7092.4
62.5°	3335.9	3365.8	3703.0	2771.0	6489.0	10929.8	12068.3	10648.6	5292.0	3668.2	4343.8
65°	1280.4	1267.9	1525.5	1367.5	4771.8	8706.3	8976.3	8117.7	3630.8	1681.0	1656.1
67.5°	197.8	189.1	255.1	404.4	3441.7	6033.5	5922.8	5850.6	2274.6	392.0	342.2
70°	44.8	44.8	54.7	119.5	2102.8	3545.0	3793.8	3617.1	1455.8	83.4	44.8
72.5°	21.2	21.2	26.1	51.0	761.5	1460.8	1702.2	1676.1	472.8	27.4	16.2
75°	7.5	8.7	8.7	11.2	46.0	75.9	174.2	124.4	29.9	0.0	0.0
77.5°	2.5	2.5	2.5	2.5	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°	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5
2.5°	1809.2	1800.5	1768.1	1724.6	1682.3	1644.9	1606.4	1560.3	1526.7	1488.2	1475.7
5°	2010.8	1956.0	1867.7	1775.6	1691.0	1618.8	1549.1	1474.5	1419.7	1365.0	1346.3
7.5°	2181.2	2100.4	1957.3	1819.1	1703.4	1601.4	1500.6	1398.6	1318.9	1254.2	1234.3
10°	2334.3	2241.0	2049.3	1878.9	1733.3	1615.1	1493.1	1365.0	1261.7	1184.6	1165.9
12.5°	2466.2	2357.9	2127.7	1923.7	1745.7	1610.1	1491.9	1389.9	1296.5	1208.2	1184.6
15°	2576.9	2457.5	2193.7	1953.5	1727.1	1547.9	1444.6	1428.4	1421.0	1323.9	1277.9
17.5°	2685.2	2550.8	2247.2	1967.2	1674.8	1438.4	1363.7	1437.2	1515.5	1452.1	1393.6
20°	2798.4	2645.4	2301.9	1969.7	1587.7	1315.2	1302.8	1418.5	1518.0	1498.1	1443.4
22.5°	2931.5	2763.6	2370.4	1968.5	1478.2	1210.7	1258.0	1382.4	1463.3	1462.0	1418.5
25°	3124.4	2912.9	2462.4	1975.9	1358.8	1129.8	1208.2	1321.4	1387.4	1384.9	1348.8
27.5°	3331.0	3090.8	2581.9	1994.6	1256.7	1082.5	1149.7	1238.1	1295.3	1292.8	1261.7
30°	3620.9	3296.1	2696.4	1995.8	1183.3	1057.6	1085.0	1146.0	1200.7	1194.5	1170.9
32.5°	3973.0	3527.6	2792.2	1924.9	1137.3	1034.0	1017.8	1048.9	1091.2	1082.5	1076.3
35°	4398.6	3802.5	2874.3	1769.4	1066.4	986.7	943.2	949.4	979.3	984.2	981.7
37.5°	4883.8	4129.8	2976.3	1564.1	970.5	918.3	859.8	854.8	872.2	888.4	900.9
40°	5362.9	4498.1	3114.4	1356.3	883.4	831.2	775.2	762.7	770.2	798.8	825.0
42.5°	5901.7	4924.9	3263.8	1178.3	823.7	735.4	681.9	658.2	679.4	725.4	756.5
45°	6678.1	5523.4	3409.3	1036.5	798.8	650.8	578.6	576.1	599.7	659.5	694.3
47.5°	7768.1	6297.3	3505.2	925.7	797.6	584.8	499.0	513.9	541.3	599.7	639.6
50°	8830.7	7266.6	3399.4	841.1	771.5	541.3	439.2	469.1	496.5	547.5	588.5
52.5°	9471.5	7788.0	2987.5	761.5	690.6	521.4	380.8	433.0	438.0	484.0	527.6
55°	9404.3	7450.8	2288.2	638.3	571.1	492.7	319.8	390.7	393.2	428.0	465.4
57.5°	8162.5	6396.9	1571.5	517.6	429.3	406.9	263.8	329.7	353.4	374.5	401.9
60°	6083.3	4667.3	700.5	420.6	272.5	275.0	225.2	248.9	284.9	309.8	333.5
62.5°	3584.8	2685.2	284.9	252.6	150.6	173.0	181.7	181.7	204.1	222.7	237.7
65°	1355.0	939.4	115.7	126.9	78.4	80.9	107.0	131.9	149.3	165.5	185.4
67.5°	237.7	164.2	59.7	47.3	46.0	41.1	54.7	85.9	95.8	108.3	117.0
70°	39.8	33.6	24.9	23.6	21.2	22.4	36.1	61.0	67.2	70.9	74.7
72.5°	11.2	10.0	7.5	6.2	5.0	6.2	22.4	47.3	49.8	52.3	56.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	8.7	33.6	36.1	37.3	41.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	10.0	12.4	10.0
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°	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5
2.5°	1468.3	1443.4	1429.7	1422.2	1422.2	1412.3	1401.1	1397.3	1413.5	1413.5	1440.9
5°	1322.7	1302.8	1280.4	1266.7	1245.5	1249.3	1236.8	1235.6	1251.8	1259.2	1287.8
7.5°	1221.9	1197.0	1183.3	1174.6	1163.4	1158.4	1147.2	1143.5	1152.2	1164.7	1192.0
10°	1154.7	1151.0	1149.7	1155.9	1155.9	1149.7	1139.8	1133.5	1136.0	1159.7	1190.8
12.5°	1172.1	1179.6	1182.1	1192.0	1197.0	1192.0	1184.6	1187.0	1203.2	1246.8	1292.8
15°	1248.0	1241.8	1239.3	1244.3	1248.0	1243.0	1240.6	1259.2	1315.2	1377.4	1429.7
17.5°	1328.9	1289.1	1271.7	1271.7	1274.1	1271.7	1274.1	1310.2	1401.1	1463.3	1501.9
20°	1370.0	1296.5	1269.2	1263.0	1267.9	1269.2	1277.9	1318.9	1418.5	1462.0	1470.7
22.5°	1357.5	1265.4	1234.3	1229.4	1234.3	1239.3	1248.0	1282.9	1376.2	1398.6	1394.8
25°	1295.3	1204.5	1179.6	1179.6	1190.8	1189.5	1193.3	1218.2	1295.3	1309.0	1302.8
27.5°	1216.9	1131.1	1109.9	1122.3	1132.3	1129.8	1131.1	1152.2	1209.4	1213.2	1207.0
30°	1137.3	1062.6	1042.7	1057.6	1071.3	1068.8	1070.1	1091.2	1127.3	1123.6	1114.9
32.5°	1056.4	1001.7	986.7	995.4	1016.6	1014.1	1019.1	1041.5	1055.2	1039.0	1029.0
35°	981.7	953.1	941.9	946.9	963.1	966.8	975.5	990.5	990.5	970.5	953.1
37.5°	912.1	908.3	900.9	894.6	909.6	920.8	933.2	950.6	925.7	897.1	881.0
40°	847.4	863.5	853.6	837.4	846.1	862.3	887.2	900.9	871.0	842.4	815.0
42.5°	787.6	815.0	811.3	791.4	798.8	813.8	842.4	853.6	818.7	786.4	760.3
45°	730.4	769.0	771.5	746.6	754.0	769.0	802.6	806.3	761.5	726.7	708.0
47.5°	680.6	722.9	724.2	705.5	708.0	729.2	760.3	761.5	710.5	678.1	654.5
50°	633.3	681.9	685.6	669.4	671.9	696.8	722.9	718.0	663.2	629.6	608.5
52.5°	576.1	642.1	650.8	643.3	653.3	673.2	689.3	671.9	608.5	574.9	556.2
55°	513.9	599.7	618.4	613.4	624.6	640.8	644.5	633.3	553.7	520.1	502.7
57.5°	441.7	494.0	526.3	516.4	525.1	541.3	552.5	543.8	484.0	457.9	443.0
60°	365.8	400.7	408.1	392.0	384.5	413.1	439.2	428.0	377.0	360.8	343.4
62.5°	267.5	307.3	312.3	291.2	282.5	313.6	336.0	324.8	268.8	251.3	237.7
65°	214.0	251.3	261.3	241.4	236.4	260.1	273.7	246.4	206.6	187.9	173.0
67.5°	140.6	170.5	196.6	195.4	185.4	192.9	182.9	160.5	131.9	121.9	112.0
70°	87.1	104.5	120.7	126.9	125.7	123.2	109.5	93.3	84.6	80.9	75.9
72.5°	67.2	84.6	97.1	100.8	102.0	98.3	87.1	72.2	63.5	58.5	54.7
75°	49.8	63.5	73.4	78.4	80.9	78.4	67.2	57.2	48.5	44.8	41.1
77.5°	17.4	21.2	26.1	28.6	27.4	26.1	23.6	23.6	18.7	17.4	14.9
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: P635238

CATALOG NUMBER: GWS-SA3D-735-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5	1627.5
2.5°	1472.0	1494.4	1535.4	1572.8	1612.6	1653.7	1698.5	1744.5	1765.6	1763.2
5°	1331.4	1379.9	1447.1	1520.5	1602.6	1691.0	1789.3	1890.1	1933.6	1952.3
7.5°	1243.0	1311.5	1399.8	1493.1	1601.4	1727.1	1875.1	2033.2	2096.6	2117.8
10°	1254.2	1333.9	1407.3	1498.1	1613.8	1776.8	1961.0	2148.9	2223.5	2247.2
12.5°	1345.1	1362.5	1382.4	1457.1	1602.6	1814.2	2039.4	2263.4	2349.2	2372.9
15°	1427.2	1346.3	1309.0	1377.4	1562.8	1840.3	2119.0	2386.5	2481.1	2508.5
17.5°	1430.9	1309.0	1225.6	1279.1	1498.1	1851.5	2197.4	2512.2	2615.5	2641.6
20°	1384.9	1267.9	1160.9	1162.2	1409.8	1849.0	2262.1	2625.4	2741.2	2764.8
22.5°	1317.7	1219.4	1108.7	1070.1	1315.2	1844.0	2333.0	2746.1	2871.8	2894.2
25°	1243.0	1157.2	1058.9	1000.4	1220.6	1849.0	2432.6	2904.2	3042.3	3063.4
27.5°	1162.2	1088.8	1020.3	973.0	1141.0	1867.7	2552.0	3105.7	3270.0	3292.4
30°	1077.6	1022.8	995.4	966.8	1091.2	1872.7	2681.4	3340.9	3548.7	3579.8
32.5°	994.2	964.3	965.6	970.5	1044.0	1837.8	2799.6	3602.2	3879.7	3929.5
35°	917.0	908.3	933.2	958.1	975.5	1748.2	2902.9	3910.8	4289.1	4340.1
37.5°	851.1	858.6	889.7	914.6	900.9	1621.3	3039.8	4296.5	4747.0	4790.5
40°	787.6	806.3	842.4	853.6	843.6	1473.2	3204.0	4668.6	5143.9	5203.6
42.5°	729.2	742.8	793.9	796.3	827.5	1322.7	3362.1	5069.2	5600.5	5631.6
45°	681.9	679.4	731.6	747.8	848.6	1155.9	3516.4	5603.0	6197.8	6242.6
47.5°	635.8	633.3	645.8	719.2	857.3	1001.7	3669.4	6384.4	7063.8	7141.0
50°	592.3	596.0	557.4	705.5	810.0	883.4	3739.1	7107.4	7851.4	7883.8
52.5°	553.7	540.0	472.8	660.7	709.2	771.5	3541.2	7435.9	8339.2	8431.3
55°	499.0	423.1	389.5	536.3	559.9	673.2	2900.4	7245.5	8381.5	8544.5
57.5°	426.8	332.2	331.0	395.7	395.7	624.6	1857.7	6190.3	7223.1	7509.3
60°	328.5	257.6	273.7	275.0	253.8	455.4	1042.7	4484.4	5340.5	5625.4
62.5°	233.9	196.6	206.6	164.2	145.6	227.7	500.2	2581.9	3296.1	3335.9
65°	156.8	133.1	108.3	90.8	89.6	97.1	206.6	933.2	1134.8	1280.4
67.5°	103.3	80.9	57.2	57.2	64.7	64.7	78.4	154.3	216.5	197.8
70°	67.2	56.0	36.1	34.8	42.3	42.3	39.8	42.3	44.8	44.8
72.5°	49.8	42.3	21.2	18.7	23.6	24.9	22.4	21.2	21.2	21.2
75°	37.3	29.9	12.4	8.7	11.2	14.9	12.4	8.7	8.7	7.5
77.5°	14.9	11.2	5.0	3.7	6.2	8.7	7.5	3.7	2.5	2.5
80°	1.2	2.5	2.5	2.5	3.7	5.0	6.2	2.5	1.2	1.2
82.5°	0.0	1.2	1.2	1.2	2.5	3.7	5.0	2.5	1.2	1.2
85°	0.0	0.0	0.0	0.0	2.5	3.7	2.5	1.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.2	3.7	2.5	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)