

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: P635073

Luminaire Tested: GWS-SA3D-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635073  
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-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

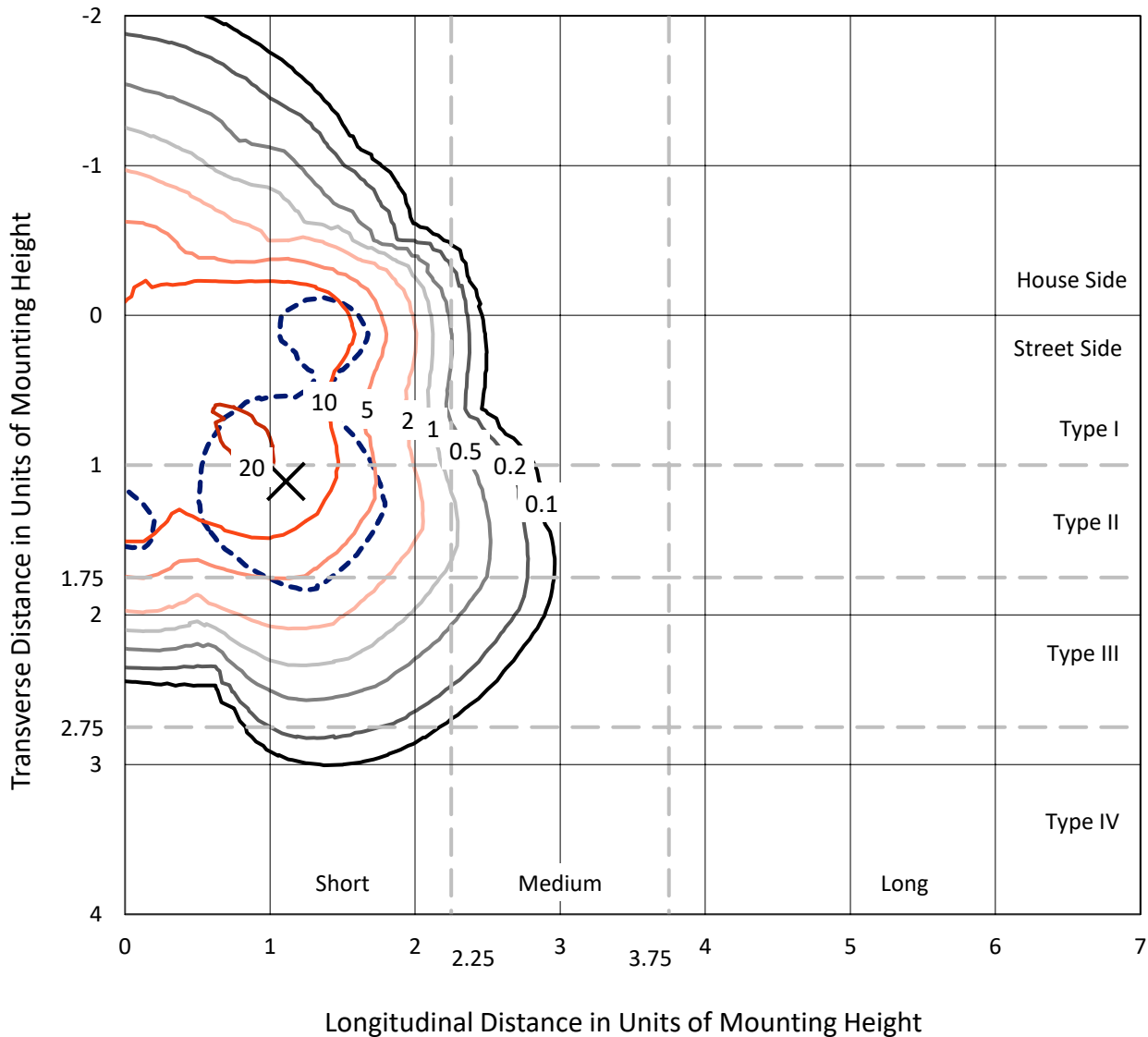
Lumens per Lamp: N/A  
Luminaire Lumens: 6915.6 lumens  
Efficiency: N/A  
Efficacy: 57.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

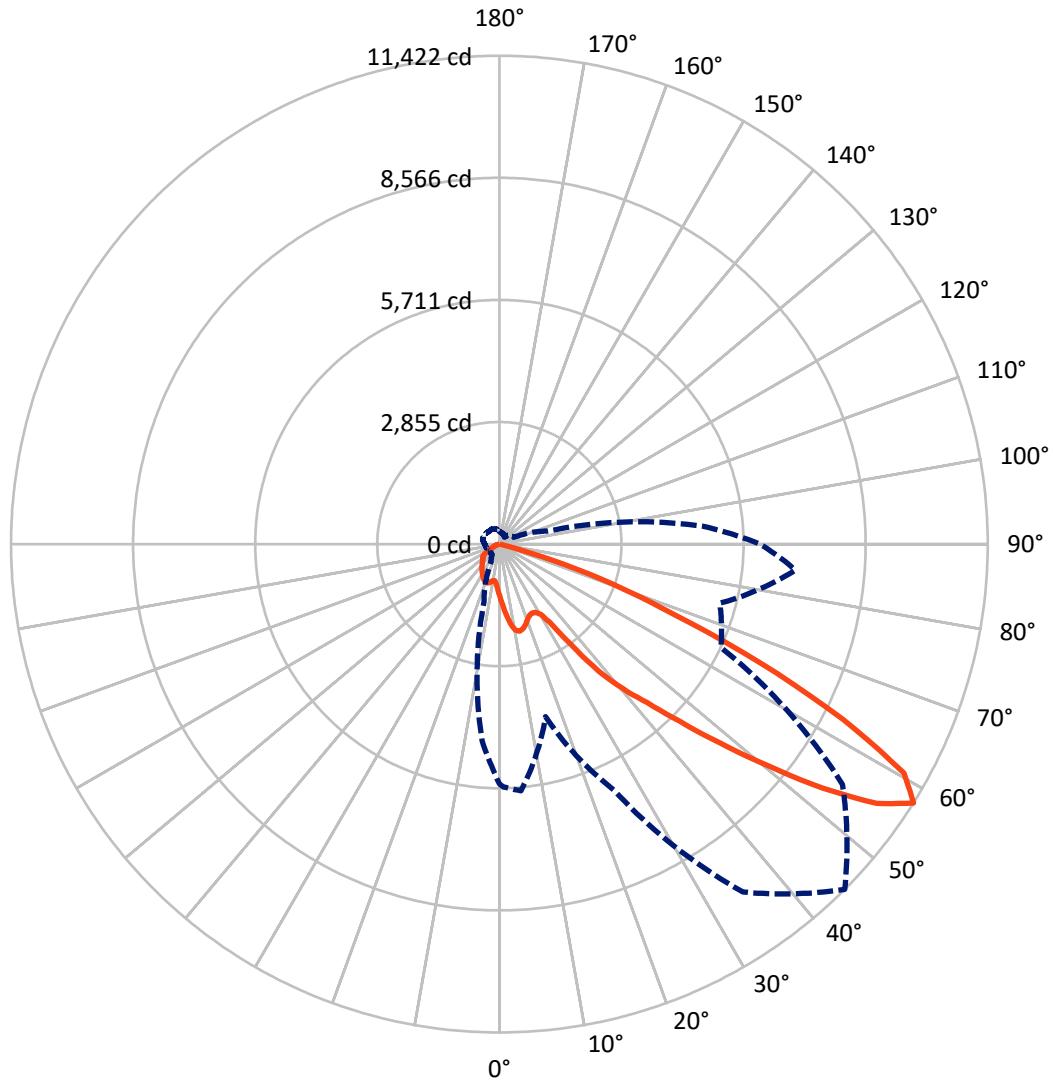
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.7 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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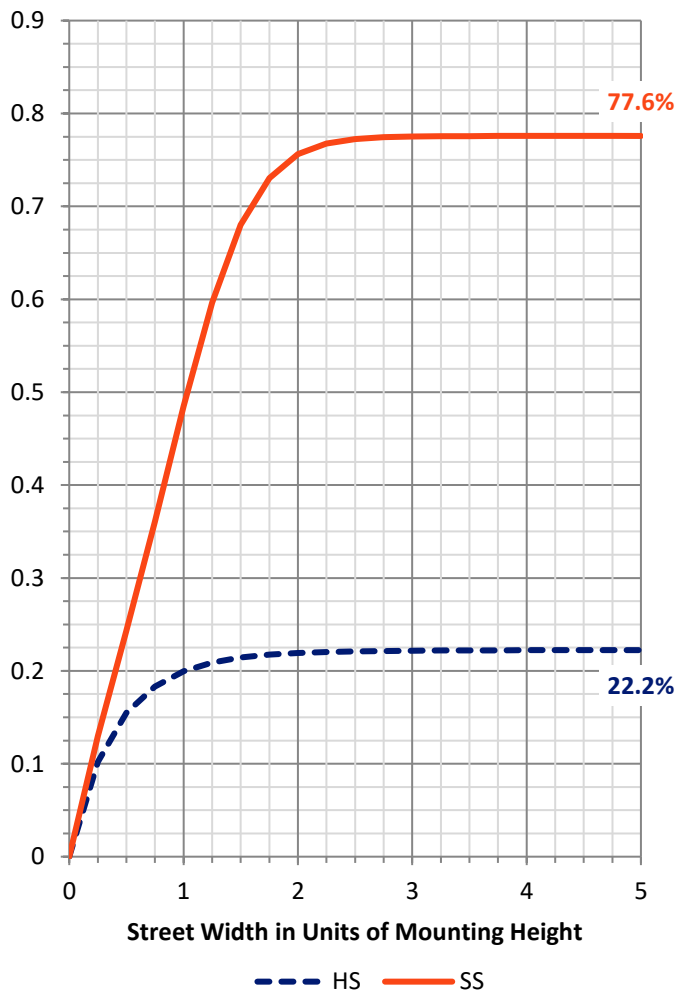
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1548.6	0.0	1548.6
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	5367.0	0.0	5367.0
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	6915.6	0.0	6915.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.6	1.7
10°-20°	386.8	5.6
20°-30°	628.4	9.1
30°-40°	970.9	14.0
40°-50°	1556.9	22.5
50°-60°	2127.8	30.8
60°-70°	1030.6	14.9
70°-80°	94.4	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°	6915.6	100.0
0°-180°	6915.6	100.0

**Coefficient of Utilization**



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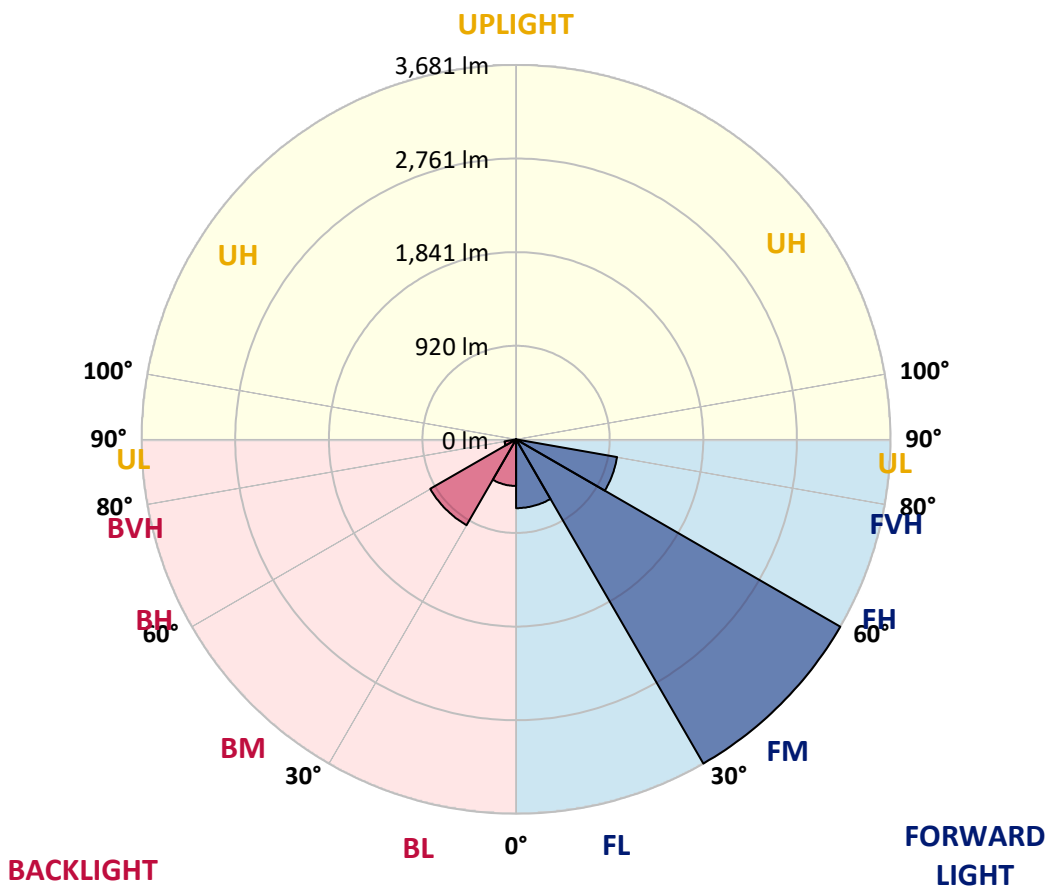
CATALOG NUMBER: GWS-SA3D-722-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	676.6	9.8			
FM (30°-60°)	3681.3	53.2			
FH (60°-80°)	1008.9	14.6			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	458.2	6.6	B1/500		
BM (30°-60°)	974.3	14.1	B1/1000		
BH (60°-80°)	116.1	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: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5
2.5°	1316.8	1325.1	1339.1	1368.8	1393.9	1410.6	1418.1	1416.2	1406.0	1398.6	1383.7
5°	1458.0	1458.0	1485.0	1552.8	1604.9	1637.4	1654.1	1643.9	1623.4	1590.9	1540.7
7.5°	1581.6	1586.3	1631.8	1728.5	1807.4	1853.9	1880.9	1875.3	1839.0	1776.8	1676.4
10°	1678.3	1683.8	1744.2	1862.3	1955.2	2002.6	2042.5	2046.3	2006.3	1923.6	1808.4
12.5°	1772.1	1777.7	1840.9	1954.3	2036.0	2055.6	2090.9	2104.8	2094.6	2036.0	1916.2
15°	1873.4	1886.4	1940.3	2024.9	2059.3	2036.0	2059.3	2084.4	2118.7	2113.2	2005.4
17.5°	1972.8	1982.1	2037.0	2066.7	2028.6	1968.2	1979.4	2009.1	2087.2	2163.4	2093.7
20°	2064.8	2077.9	2123.4	2084.4	1969.1	1875.3	1876.2	1915.2	2034.2	2194.0	2183.8
22.5°	2161.5	2181.0	2213.5	2103.9	1914.3	1801.9	1806.5	1841.8	1992.4	2222.8	2286.0
25°	2287.9	2306.5	2327.8	2152.2	1896.6	1765.6	1783.3	1815.8	1992.4	2272.1	2412.4
27.5°	2458.9	2471.9	2472.8	2242.3	1927.3	1771.2	1808.4	1845.5	2051.8	2370.6	2581.5
30°	2673.5	2694.0	2667.0	2382.7	2023.0	1845.5	1900.4	1946.8	2180.1	2536.9	2830.6
32.5°	2934.6	2963.5	2927.2	2590.8	2222.8	2102.0	2201.5	2228.4	2384.5	2777.6	3113.1
35°	3241.3	3265.5	3226.4	2878.9	2689.3	2711.6	2891.9	2857.5	2795.3	3074.0	3443.0
37.5°	3577.7	3600.0	3524.7	3315.7	3378.8	3475.5	3763.6	3645.5	3444.8	3456.0	3800.7
40°	3886.2	3910.4	3792.4	3790.5	3920.6	4097.2	4444.7	4282.1	4008.9	3955.9	4136.2
42.5°	4205.9	4222.6	4115.8	4043.3	4338.8	4702.1	5070.1	4850.8	4382.5	4324.8	4556.2
45°	4662.2	4697.5	4507.0	4167.8	4715.1	5398.2	5911.1	5482.7	4637.1	4590.6	5199.3
47.5°	5333.1	5359.1	4970.7	4245.9	5065.5	6265.2	6962.1	6302.3	4861.0	4755.1	6078.4
50°	5887.9	5905.5	5397.2	4331.3	5438.1	7200.0	8160.0	7274.4	5112.9	5027.4	6898.9
52.5°	6296.8	6363.7	5957.6	4507.0	5927.8	8299.3	9486.0	8425.7	5506.0	5553.3	7579.2
55°	6381.3	6472.4	6340.4	4614.8	6359.0	9419.1	10710.8	9456.3	5898.1	5952.0	7807.8
57.5°	5608.2	5680.7	5790.3	4179.9	6348.8	9932.1	11421.7	9798.3	5719.7	5337.8	6951.9
60°	4201.2	4251.4	4450.3	3194.8	5838.6	9478.6	10867.9	9216.5	5001.4	4073.0	5296.9
62.5°	2491.4	2513.7	2765.5	2069.5	4846.2	8162.7	9013.0	7952.7	3952.2	2739.5	3244.1
65°	956.2	946.9	1139.3	1021.3	3563.8	6502.1	6703.8	6062.6	2711.6	1255.4	1236.9
67.5°	147.8	141.2	190.5	302.0	2570.4	4506.1	4423.3	4369.4	1698.7	292.7	255.6
70°	33.5	33.5	40.9	89.2	1570.5	2647.5	2833.4	2701.4	1087.3	62.3	33.5
72.5°	15.8	15.8	19.5	38.1	568.7	1091.0	1271.2	1251.7	353.1	20.4	12.1
75°	5.6	6.5	6.5	8.4	34.4	56.7	130.1	92.9	22.3	0.0	0.0
77.5°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.9	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°	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5
2.5°	1351.2	1344.7	1320.5	1288.0	1256.4	1228.5	1199.7	1165.3	1140.2	1111.4	1102.1
5°	1501.7	1460.8	1394.8	1326.1	1262.9	1209.0	1156.9	1101.2	1060.3	1019.4	1005.5
7.5°	1629.0	1568.6	1461.7	1358.6	1272.2	1196.0	1120.7	1044.5	985.0	936.7	921.8
10°	1743.3	1673.6	1530.5	1403.2	1294.5	1206.2	1115.1	1019.4	942.3	884.7	870.7
12.5°	1841.8	1761.0	1589.1	1436.7	1303.8	1202.5	1114.2	1038.0	968.3	902.3	884.7
15°	1924.5	1835.3	1638.3	1459.0	1289.8	1156.0	1078.9	1066.8	1061.2	988.7	954.4
17.5°	2005.4	1905.0	1678.3	1469.2	1250.8	1074.2	1018.5	1073.3	1131.9	1084.5	1040.8
20°	2089.9	1975.6	1719.2	1471.0	1185.8	982.2	973.0	1059.4	1133.7	1118.8	1078.0
22.5°	2189.4	2063.9	1770.3	1470.1	1104.0	904.2	939.5	1032.4	1092.8	1091.9	1059.4
25°	2333.4	2175.4	1839.0	1475.7	1014.8	843.8	902.3	986.9	1036.1	1034.3	1007.3
27.5°	2487.7	2308.3	1928.2	1489.6	938.6	808.5	858.6	924.6	967.4	965.5	942.3
30°	2704.2	2461.6	2013.7	1490.6	883.7	789.9	810.3	855.9	896.7	892.1	874.4
32.5°	2967.2	2634.5	2085.3	1437.6	849.4	772.2	760.1	783.4	815.0	808.5	803.8
35°	3285.0	2839.9	2146.6	1321.4	796.4	736.9	704.4	709.0	731.3	735.1	733.2
37.5°	3647.4	3084.3	2222.8	1168.1	724.8	685.8	642.1	638.4	651.4	663.5	672.8
40°	4005.2	3359.3	2326.0	1012.9	659.8	620.8	578.9	569.6	575.2	596.6	616.1
42.5°	4407.5	3678.1	2437.5	880.0	615.2	549.2	509.2	491.6	507.4	541.8	565.0
45°	4987.4	4125.0	2546.2	774.1	596.6	486.0	432.1	430.3	447.9	492.5	518.5
47.5°	5801.5	4703.1	2617.8	691.4	595.7	436.8	372.6	383.8	404.2	447.9	477.6
50°	6595.1	5427.0	2538.8	628.2	576.2	404.2	328.0	350.3	370.8	408.9	439.5
52.5°	7073.6	5816.3	2231.2	568.7	515.7	389.4	284.4	323.4	327.1	361.5	394.0
55°	7023.5	5564.5	1708.9	476.7	426.5	368.0	238.8	291.8	293.7	319.7	347.5
57.5°	6096.0	4777.4	1173.7	386.6	320.6	303.9	197.0	246.3	263.9	279.7	300.2
60°	4543.2	3485.7	523.2	314.1	203.5	205.4	168.2	185.9	212.8	231.4	249.0
62.5°	2677.2	2005.4	212.8	188.6	112.4	129.2	135.7	135.7	152.4	166.3	177.5
65°	1012.0	701.6	86.4	94.8	58.5	60.4	79.9	98.5	111.5	123.6	138.5
67.5°	177.5	122.7	44.6	35.3	34.4	30.7	40.9	64.1	71.6	80.8	87.4
70°	29.7	25.1	18.6	17.7	15.8	16.7	26.9	45.5	50.2	53.0	55.8
72.5°	8.4	7.4	5.6	4.6	3.7	4.6	16.7	35.3	37.2	39.0	41.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	25.1	26.9	27.9	30.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	7.4	9.3	7.4
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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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5
2.5°	1096.5	1078.0	1067.7	1062.2	1062.2	1054.7	1046.4	1043.6	1055.7	1055.7	1076.1
5°	987.8	973.0	956.2	946.0	930.2	933.0	923.7	922.8	934.9	940.4	961.8
7.5°	912.5	894.0	883.7	877.2	868.9	865.2	856.8	854.0	860.5	869.8	890.2
10°	862.4	859.6	858.6	863.3	863.3	858.6	851.2	846.6	848.4	866.1	889.3
12.5°	875.4	881.0	882.8	890.2	894.0	890.2	884.7	886.5	898.6	931.1	965.5
15°	932.1	927.4	925.6	929.3	932.1	928.3	926.5	940.4	982.2	1028.7	1067.7
17.5°	992.5	962.7	949.7	949.7	951.6	949.7	951.6	978.5	1046.4	1092.8	1121.6
20°	1023.1	968.3	947.9	943.2	946.9	947.9	954.4	985.0	1059.4	1091.9	1098.4
22.5°	1013.8	945.1	921.8	918.1	921.8	925.6	932.1	958.1	1027.8	1044.5	1041.7
25°	967.4	899.5	881.0	881.0	889.3	888.4	891.2	909.8	967.4	977.6	973.0
27.5°	908.8	844.7	828.9	838.2	845.6	843.8	844.7	860.5	903.3	906.0	901.4
30°	849.4	793.6	778.7	789.9	800.1	798.2	799.2	815.0	841.9	839.1	832.6
32.5°	789.0	748.1	736.9	743.4	759.2	757.4	761.1	777.8	788.0	775.9	768.5
35°	733.2	711.8	703.5	707.2	719.3	722.0	728.6	739.7	739.7	724.8	711.8
37.5°	681.2	678.4	672.8	668.1	679.3	687.7	697.0	710.0	691.4	670.0	657.9
40°	632.8	644.9	637.5	625.4	631.9	644.0	662.6	672.8	650.5	629.1	608.7
42.5°	588.2	608.7	605.9	591.0	596.6	607.7	629.1	637.5	611.5	587.3	567.8
45°	545.5	574.3	576.2	557.6	563.1	574.3	599.4	602.2	568.7	542.7	528.8
47.5°	508.3	539.9	540.8	526.9	528.8	544.6	567.8	568.7	530.6	506.5	488.8
50°	473.0	509.2	512.0	499.9	501.8	520.4	539.9	536.2	495.3	470.2	454.4
52.5°	430.3	479.5	486.0	480.4	487.9	502.7	514.8	501.8	454.4	429.3	415.4
55°	383.8	447.9	461.8	458.1	466.5	478.6	481.4	473.0	413.5	388.4	375.4
57.5°	329.9	368.9	393.1	385.6	392.2	404.2	412.6	406.1	361.5	342.0	330.8
60°	273.2	299.2	304.8	292.7	287.1	308.5	328.0	319.7	281.6	269.5	256.5
62.5°	199.8	229.5	233.2	217.5	210.9	234.2	250.9	242.5	200.7	187.7	177.5
65°	159.8	187.7	195.1	180.3	176.6	194.2	204.4	184.0	154.3	140.3	129.2
67.5°	105.0	127.3	146.8	145.9	138.5	144.0	136.6	119.9	98.5	91.1	83.6
70°	65.0	78.1	90.1	94.8	93.9	92.0	81.8	69.7	63.2	60.4	56.7
72.5°	50.2	63.2	72.5	75.3	76.2	73.4	65.0	53.9	47.4	43.7	40.9
75°	37.2	47.4	54.8	58.5	60.4	58.5	50.2	42.7	36.2	33.5	30.7
77.5°	13.0	15.8	19.5	21.4	20.4	19.5	17.7	17.7	13.9	13.0	11.2
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



REPORT NUMBER: P635073

CATALOG NUMBER: GWS-SA3D-722-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5
2.5°	1099.3	1116.1	1146.7	1174.6	1204.3	1235.0	1268.5	1302.8	1318.6	1316.8
5°	994.3	1030.6	1080.7	1135.6	1196.9	1262.9	1336.3	1411.6	1444.1	1458.0
7.5°	928.3	979.5	1045.4	1115.1	1196.0	1289.8	1400.4	1518.4	1565.8	1581.6
10°	936.7	996.2	1051.0	1118.8	1205.3	1327.0	1464.5	1604.9	1660.6	1678.3
12.5°	1004.5	1017.6	1032.4	1088.2	1196.9	1354.9	1523.1	1690.4	1754.5	1772.1
15°	1065.9	1005.5	977.6	1028.7	1167.2	1374.4	1582.6	1782.3	1853.0	1873.4
17.5°	1068.7	977.6	915.3	955.3	1118.8	1382.8	1641.1	1876.2	1953.3	1972.8
20°	1034.3	946.9	867.0	867.9	1052.9	1380.9	1689.4	1960.8	2047.2	2064.8
22.5°	984.1	910.7	828.0	799.2	982.2	1377.2	1742.4	2050.9	2144.8	2161.5
25°	928.3	864.2	790.8	747.1	911.6	1380.9	1816.7	2168.9	2272.1	2287.9
27.5°	867.9	813.1	762.0	726.7	852.1	1394.8	1905.9	2319.5	2442.1	2458.9
30°	804.8	763.9	743.4	722.0	815.0	1398.6	2002.6	2495.1	2650.3	2673.5
32.5°	742.5	720.2	721.1	724.8	779.7	1372.5	2090.9	2690.2	2897.5	2934.6
35°	684.9	678.4	697.0	715.5	728.6	1305.6	2168.0	2920.7	3203.2	3241.3
37.5°	635.6	641.2	664.4	683.0	672.8	1210.8	2270.2	3208.8	3545.2	3577.7
40°	588.2	602.2	629.1	637.5	630.0	1100.3	2392.9	3486.6	3841.6	3886.2
42.5°	544.6	554.8	592.9	594.7	618.0	987.8	2510.9	3785.9	4182.7	4205.9
45°	509.2	507.4	546.4	558.5	633.8	863.3	2626.1	4184.5	4628.7	4662.2
47.5°	474.9	473.0	482.3	537.1	640.3	748.1	2740.4	4768.1	5275.5	5333.1
50°	442.3	445.1	416.3	526.9	605.0	659.8	2792.5	5308.0	5863.7	5887.9
52.5°	413.5	403.3	353.1	493.4	529.7	576.2	2644.7	5553.3	6228.0	6296.8
55°	372.6	316.0	290.9	400.5	418.2	502.7	2166.1	5411.2	6259.6	6381.3
57.5°	318.7	248.1	247.2	295.5	295.5	466.5	1387.4	4623.1	5394.4	5608.2
60°	245.3	192.4	204.4	205.4	189.6	340.1	778.7	3349.1	3988.4	4201.2
62.5°	174.7	146.8	154.3	122.7	108.7	170.1	373.6	1928.2	2461.6	2491.4
65°	117.1	99.4	80.8	67.8	66.9	72.5	154.3	697.0	847.5	956.2
67.5°	77.1	60.4	42.7	42.7	48.3	48.3	58.5	115.2	161.7	147.8
70°	50.2	41.8	26.9	26.0	31.6	31.6	29.7	31.6	33.5	33.5
72.5°	37.2	31.6	15.8	13.9	17.7	18.6	16.7	15.8	15.8	15.8
75°	27.9	22.3	9.3	6.5	8.4	11.2	9.3	6.5	6.5	5.6
77.5°	11.2	8.4	3.7	2.8	4.6	6.5	5.6	2.8	1.9	1.9
80°	0.9	1.9	1.9	1.9	2.8	3.7	4.6	1.9	0.9	0.9
82.5°	0.0	0.9	0.9	0.9	1.9	2.8	3.7	1.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	1.9	2.8	1.9	0.9	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.9	2.8	1.9	0.9	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)