

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: P633089

Luminaire Tested: GWS-SA2E-722-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633089  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-722-U-SLL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

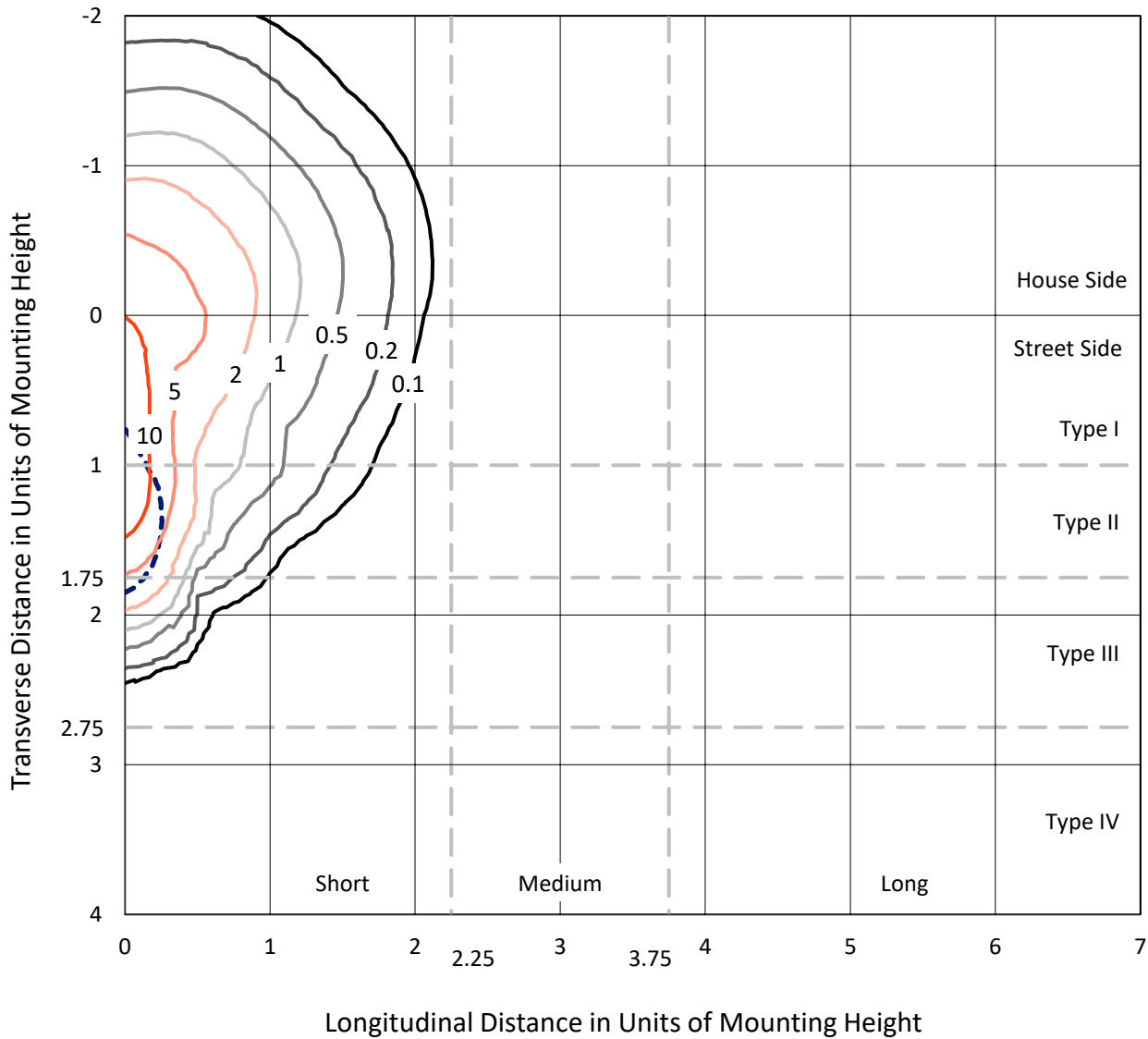
Lumens per Lamp: N/A  
Luminaire Lumens: 5763.1 lumens  
Efficiency: N/A  
Efficacy: 53.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P633089  
 CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

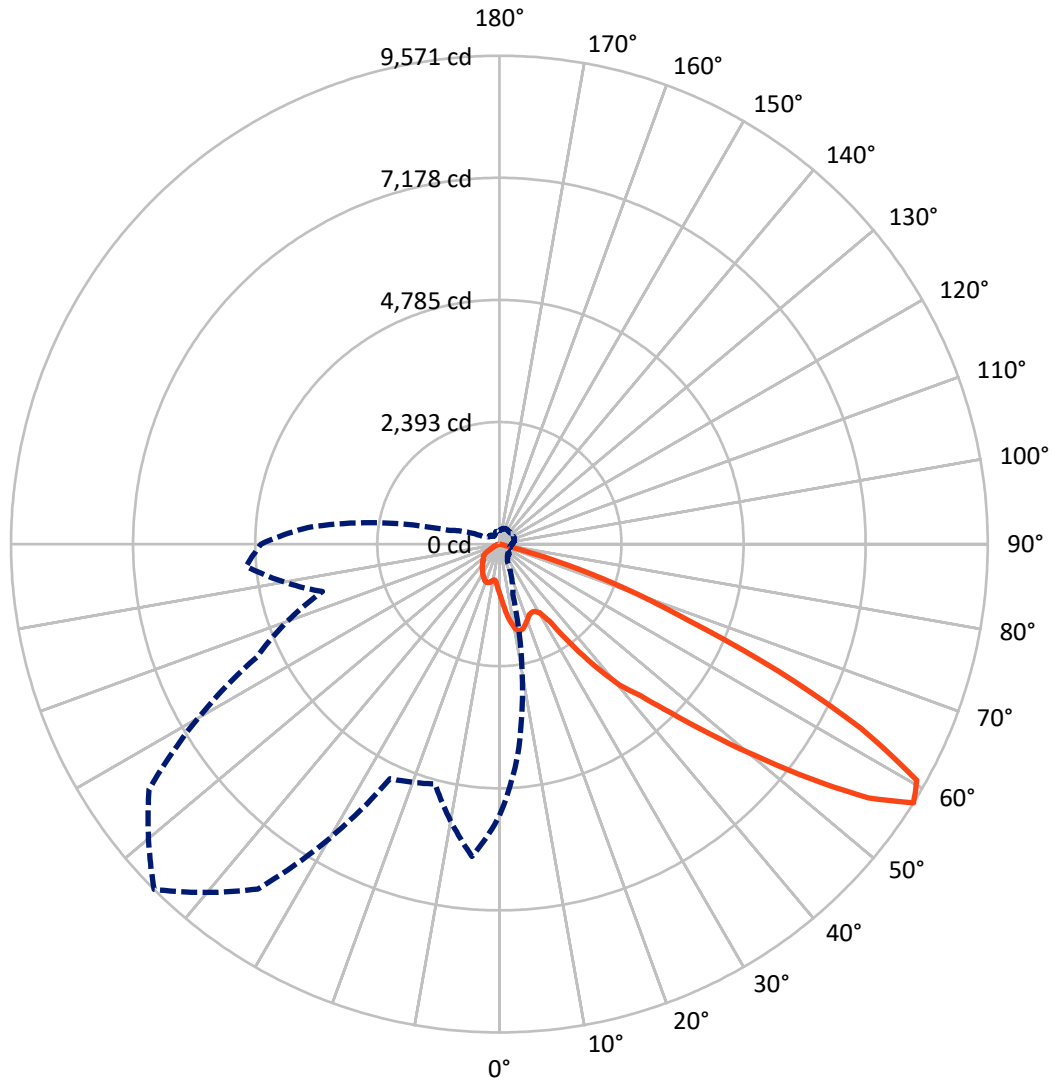
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P633089  
CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633089

CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSBK

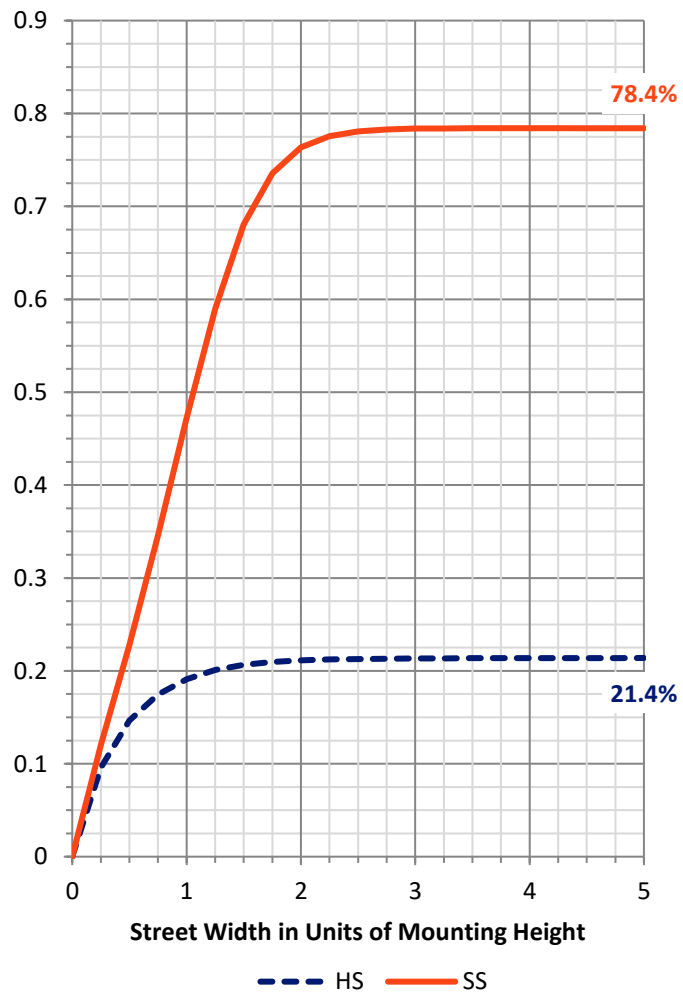
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1241.6	0.0	1241.6
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	4521.5	0.0	4521.5
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	5763.1	0.0	5763.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.8	1.7
10°-20°	318.5	5.5
20°-30°	516.8	9.0
30°-40°	793.2	13.8
40°-50°	1266.9	22.0
50°-60°	1773.8	30.8
60°-70°	909.5	15.8
70°-80°	87.6	1.5
80°-90°	0.0	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°	5763.1	100.0
0°-180°	5763.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633089

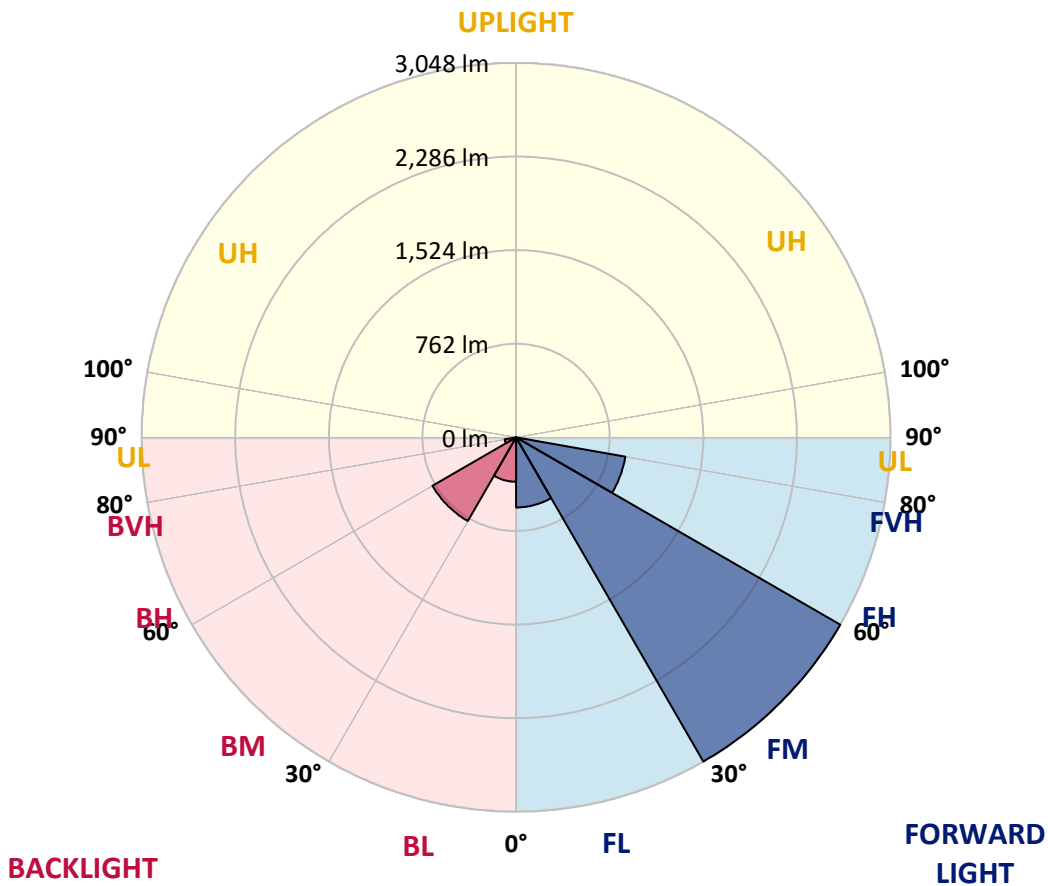
CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	570.6	9.9			
FM (30°-60°)	3047.7	52.9			
FH (60°-80°)	903.3	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	361.5	6.3	B1/500		
BM (30°-60°)	786.3	13.6	B1/1000		
BH (60°-80°)	93.8	1.6	B0/110		G0/110
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





REPORT NUMBER: P633089

CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
2.5°	1087.9	1085.6	1077.9	1051.7	1035.5	1010.1	991.6	967.7	941.5	925.3	909.1
5°	1203.4	1197.3	1176.5	1116.4	1070.1	1020.1	980.0	936.1	889.1	858.3	829.8
7.5°	1314.4	1305.1	1277.4	1175.7	1105.6	1033.9	976.9	913.0	846.7	800.5	765.1
10°	1423.0	1402.2	1358.3	1233.5	1138.7	1052.4	985.4	912.2	834.4	775.8	736.5
12.5°	1512.4	1497.0	1436.9	1288.2	1166.5	1056.3	973.8	906.0	853.7	814.4	778.1
15°	1589.4	1572.5	1515.5	1337.5	1190.3	1040.9	925.3	866.0	874.5	889.9	859.0
17.5°	1660.3	1642.6	1581.0	1378.3	1199.6	1003.1	857.5	829.0	876.0	933.8	922.2
20°	1733.5	1713.5	1638.0	1411.5	1196.5	943.8	788.9	797.4	863.7	929.9	936.1
22.5°	1819.0	1798.2	1710.4	1453.8	1194.2	872.9	729.6	769.7	840.6	896.8	907.6
25°	1932.3	1907.6	1811.3	1516.2	1200.4	808.2	687.2	742.7	801.3	852.1	858.3
27.5°	2081.7	2050.2	1927.7	1593.3	1213.5	757.3	668.7	705.7	751.2	796.6	802.0
30°	2276.7	2236.6	2060.9	1660.3	1207.3	721.9	656.4	668.7	695.7	732.7	733.5
32.5°	2504.7	2450.0	2210.4	1718.1	1154.1	695.7	639.5	631.0	637.2	665.7	671.1
35°	2772.8	2702.0	2375.3	1772.8	1057.1	644.9	608.7	580.1	577.8	591.7	604.8
37.5°	3080.2	2995.5	2583.3	1842.9	942.3	591.7	563.2	534.7	522.4	529.3	549.3
40°	3363.8	3269.8	2800.6	1927.7	825.1	543.9	510.0	480.8	466.1	468.4	493.1
42.5°	3696.6	3599.5	3066.4	2038.6	728.1	511.6	454.6	424.5	405.3	416.0	444.5
45°	4202.0	4091.8	3453.9	2134.9	651.0	503.9	406.0	363.7	354.4	372.9	406.8
47.5°	4892.3	4757.5	3986.3	2193.5	585.5	510.8	372.1	314.3	316.7	337.5	371.4
50°	5577.3	5431.6	4601.9	2116.4	531.6	496.9	355.2	275.8	290.5	308.9	339.8
52.5°	6048.0	5858.5	4901.6	1893.8	482.3	444.5	353.6	239.6	267.3	273.5	299.7
55°	6066.5	5833.0	4748.3	1493.1	415.3	375.2	337.5	209.6	241.9	244.2	266.6
57.5°	5317.6	5106.5	4149.6	1025.5	369.0	275.0	268.9	183.4	198.8	218.0	231.9
60°	4045.6	3866.1	3103.4	470.0	280.4	174.9	184.1	157.9	148.7	177.2	191.1
62.5°	2477.8	2363.0	1861.4	208.0	178.7	93.2	111.7	125.6	111.7	122.5	134.1
65°	983.9	933.0	706.5	88.6	73.2	47.0	50.8	73.2	78.6	86.3	97.1
67.5°	171.0	161.8	118.6	39.3	30.0	28.5	24.7	33.9	47.8	53.2	61.6
70°	22.3	21.6	19.3	16.2	15.4	13.9	10.8	21.6	32.4	33.9	39.3
72.5°	5.4	4.6	4.6	3.9	4.6	1.5	1.5	11.6	23.1	23.9	27.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	14.6	16.2	19.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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: P633089  
 CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
2.5°	896.0	880.6	875.2	867.5	857.5	860.6	846.7	842.1	849.0	858.3	856.0
5°	814.4	797.4	785.9	768.1	765.1	758.1	753.5	747.3	755.0	765.8	768.1
7.5°	749.6	735.0	723.4	718.1	714.2	711.1	701.9	697.3	697.3	701.9	705.7
10°	721.9	711.1	708.8	710.4	716.5	715.7	707.3	701.1	693.4	689.5	694.2
12.5°	760.4	742.7	739.6	740.4	748.1	747.3	738.1	730.4	728.8	730.4	745.0
15°	825.9	799.0	778.9	775.1	778.9	777.4	770.4	765.8	768.1	790.5	815.1
17.5°	884.5	842.9	806.7	792.8	792.0	789.7	782.8	781.2	792.8	834.4	870.6
20°	901.4	860.6	809.0	791.2	787.4	785.1	777.4	779.7	794.3	844.4	875.2
22.5°	879.1	839.8	785.9	768.1	765.1	764.3	756.6	759.7	772.0	815.9	841.3
25°	836.7	803.6	747.3	731.9	731.9	730.4	723.4	725.0	732.7	771.2	795.9
27.5°	785.1	753.5	706.5	691.1	693.4	695.7	687.2	684.9	691.1	727.3	741.9
30°	725.8	703.4	666.4	652.6	651.8	661.0	649.5	646.4	654.9	683.4	686.5
32.5°	668.0	657.2	631.0	620.2	621.0	622.5	616.4	616.4	624.1	639.5	638.7
35°	611.7	604.8	600.2	592.5	591.7	588.6	588.6	590.2	598.6	604.0	594.0
37.5°	557.8	564.7	570.1	562.4	556.3	556.3	556.3	563.2	570.9	568.6	551.6
40°	510.0	524.7	541.6	533.1	518.5	517.7	520.8	532.4	543.9	530.1	514.7
42.5°	469.2	487.7	511.6	507.0	490.8	488.5	490.8	505.4	514.7	496.9	480.0
45°	429.1	452.3	480.8	480.8	463.0	460.7	461.5	480.8	486.2	465.3	443.8
47.5°	395.2	420.7	450.7	450.7	436.1	431.4	435.3	455.3	459.2	429.9	409.9
50°	362.9	390.6	423.7	421.4	411.4	407.6	414.5	436.1	431.4	399.1	378.3
52.5°	322.0	351.3	396.8	399.1	393.7	394.5	402.9	416.8	403.7	364.4	346.7
55°	285.1	315.1	360.6	372.9	372.9	372.1	376.0	386.8	376.0	329.0	307.4
57.5°	245.0	270.4	308.2	311.3	313.6	305.1	310.5	325.1	319.7	279.7	267.3
60°	201.1	222.7	244.2	246.5	236.5	218.8	228.8	245.8	249.6	219.6	205.7
62.5°	142.5	163.3	188.8	188.8	178.7	161.0	174.1	188.8	183.4	152.5	144.1
65°	106.3	125.6	144.8	153.3	144.8	132.5	142.5	153.3	144.8	119.4	107.1
67.5°	68.6	81.7	93.2	100.2	101.7	100.2	104.8	101.7	91.7	74.7	67.8
70°	41.6	48.5	54.7	60.9	65.5	67.8	70.1	63.2	53.2	43.9	41.6
72.5°	30.0	36.2	41.6	46.2	51.6	53.2	53.2	48.5	39.3	30.8	28.5
75°	20.8	26.2	30.8	33.9	38.5	40.1	40.1	36.2	29.3	22.3	20.0
77.5°	0.8	5.4	5.4	4.6	6.2	7.7	7.7	9.2	8.5	6.2	5.4
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





REPORT NUMBER: P633089  
 CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
2.5°	860.6	888.3	896.0	924.5	950.0	975.4	1006.2	1024.7	1052.4	1071.7	1082.5
5°	775.8	799.0	826.7	869.1	913.0	961.5	1020.1	1070.9	1134.9	1181.9	1197.3
7.5°	714.2	744.3	776.6	829.8	889.9	954.6	1037.0	1120.2	1218.1	1282.0	1322.9
10°	702.6	733.5	776.6	829.0	892.2	966.1	1067.1	1174.9	1297.4	1375.2	1421.5
12.5°	758.1	791.2	809.7	833.6	881.4	963.8	1093.3	1230.4	1374.5	1459.2	1508.5
15°	839.8	869.1	839.0	809.0	839.8	939.2	1107.9	1276.6	1442.3	1540.1	1591.0
17.5°	896.0	898.3	832.9	768.9	777.4	894.5	1113.3	1322.9	1514.7	1617.2	1670.3
20°	890.6	872.1	805.9	735.0	708.8	836.7	1107.1	1363.7	1587.9	1695.0	1747.4
22.5°	849.0	827.5	771.2	701.9	651.0	768.1	1096.3	1400.7	1654.9	1776.6	1826.0
25°	799.0	775.8	729.6	668.7	614.0	701.9	1087.9	1451.5	1739.7	1883.0	1921.5
27.5°	740.4	720.4	681.1	637.2	598.6	651.8	1085.6	1518.5	1842.1	2012.4	2039.4
30°	683.4	664.9	634.1	608.7	592.5	622.5	1077.9	1590.2	1964.6	2161.1	2190.4
32.5°	628.7	610.2	590.9	587.1	587.8	611.7	1051.7	1661.1	2110.2	2376.8	2398.4
35°	581.7	560.1	552.4	561.7	578.6	593.2	977.7	1719.6	2266.7	2611.8	2629.5
37.5°	537.0	515.4	514.7	537.0	555.5	564.7	890.6	1777.4	2477.8	2850.6	2873.0
40°	496.2	474.6	482.3	509.3	523.9	528.5	785.1	1865.2	2701.2	3102.6	3090.3
42.5°	461.5	439.2	443.8	478.4	491.5	503.9	688.0	1938.4	2916.1	3341.4	3337.6
45°	427.6	410.6	407.6	445.3	456.9	506.2	617.1	1994.7	3192.7	3645.7	3651.9
47.5°	394.5	381.4	382.1	398.3	426.8	517.7	557.0	2031.7	3594.1	4128.0	4021.0
50°	364.4	354.4	362.9	344.4	407.6	503.1	505.4	2024.0	4042.5	4590.3	4375.4
52.5°	331.3	329.0	332.8	288.1	376.7	443.8	456.9	1921.5	4252.9	4906.2	4783.7
55°	297.4	296.6	265.8	230.4	315.1	354.4	391.4	1603.3	4245.9	5074.2	5222.8
57.5°	257.3	251.2	201.9	188.0	245.0	246.5	356.7	1050.1	3762.9	4672.0	4980.2
60°	194.9	190.3	147.9	152.5	171.0	157.9	284.3	523.1	2812.1	3639.6	3987.1
62.5°	134.8	128.7	110.2	117.9	110.2	90.1	174.1	258.9	1703.5	2298.2	2613.4
65°	98.6	91.7	75.5	64.7	51.6	51.6	66.3	99.4	659.5	976.9	1178.0
67.5°	60.9	57.8	44.7	32.4	31.6	33.9	34.7	49.3	106.3	169.5	207.2
70°	39.3	36.2	30.0	20.8	19.3	20.0	20.8	23.1	27.0	29.3	35.4
72.5°	27.0	25.4	21.6	11.6	9.2	10.0	10.8	10.8	13.1	12.3	14.6
75°	19.3	17.7	15.4	5.4	3.1	3.9	4.6	3.9	4.6	3.1	3.9
77.5°	5.4	5.4	3.9	0.8	0.0	0.8	1.5	1.5	0.8	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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: P633089

CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
2.5°	1110.2	1127.9	1134.9	1124.9	1133.3	1119.5	1114.1	1093.3	1091.7	1087.9
5°	1259.7	1299.7	1323.6	1338.3	1321.3	1302.8	1275.1	1227.3	1212.7	1203.4
7.5°	1406.8	1469.2	1510.1	1529.3	1524.7	1487.0	1436.9	1356.8	1328.2	1314.4
10°	1534.7	1611.0	1660.3	1684.2	1674.2	1641.0	1569.4	1469.2	1431.5	1423.0
12.5°	1624.1	1694.2	1728.1	1748.9	1749.7	1736.6	1668.8	1567.9	1523.2	1512.4
15°	1680.3	1710.4	1711.2	1723.5	1745.1	1774.3	1742.7	1653.4	1605.6	1589.4
17.5°	1715.8	1682.7	1648.8	1651.8	1687.3	1765.1	1797.4	1728.9	1678.0	1660.3
20°	1741.2	1636.4	1573.2	1574.0	1610.2	1728.1	1835.2	1802.1	1749.7	1733.5
22.5°	1757.4	1595.6	1505.5	1503.1	1541.7	1684.2	1869.9	1889.1	1837.5	1819.0
25°	1790.5	1576.3	1464.6	1477.7	1511.6	1670.3	1916.9	2004.7	1956.9	1932.3
27.5°	1849.8	1595.6	1460.8	1490.8	1529.3	1711.2	1998.5	2158.8	2109.5	2081.7
30°	1952.3	1668.0	1520.1	1561.7	1607.9	1818.3	2135.7	2373.7	2302.9	2276.7
32.5°	2117.2	1818.3	1703.5	1792.8	1837.5	1993.9	2341.4	2614.9	2557.1	2504.7
35°	2344.5	2161.1	2148.0	2356.0	2345.2	2326.7	2594.1	2910.7	2823.7	2772.8
37.5°	2657.3	2712.7	2809.8	3016.3	3009.4	2868.4	2926.2	3190.4	3145.7	3080.2
40°	3047.9	3165.8	3330.6	3626.5	3534.0	3356.8	3333.7	3477.0	3440.8	3363.8
42.5°	3278.2	3481.6	3796.0	4061.8	3987.8	3678.1	3651.9	3859.9	3780.6	3696.6
45°	3385.3	3739.0	4355.3	4715.1	4490.9	3891.5	3881.5	4359.2	4314.5	4202.0
47.5°	3434.6	3998.6	5010.2	5554.9	5135.8	4078.7	4042.5	5083.4	5024.8	4892.3
50°	3489.3	4356.9	5799.1	6528.0	5914.7	4290.6	4316.8	5758.3	5733.7	5577.3
52.5°	3609.5	4735.9	6770.7	7640.5	6859.3	4622.7	4787.5	6394.7	6228.3	6048.0
55°	3789.8	5148.9	7781.5	8776.9	7823.1	5068.8	5296.8	6732.9	6266.0	6066.5
57.5°	3590.3	5252.1	8380.1	9570.5	8250.7	5070.3	4866.1	6146.6	5511.0	5317.6
60°	2849.1	4886.2	8149.8	9398.7	7886.3	4502.5	3725.9	4799.1	4175.0	4045.6
62.5°	1926.1	4098.0	7174.4	7948.7	6749.9	3541.7	2421.5	3121.1	2584.8	2477.8
65°	1055.5	3057.1	5796.8	6013.3	5282.9	2473.9	1245.8	1354.4	1031.6	983.9
67.5°	291.2	2128.0	4265.2	3989.4	3706.6	1611.0	322.0	241.9	172.6	171.0
70°	73.2	1407.6	2555.6	2634.2	2272.8	1031.6	61.6	29.3	23.1	22.3
72.5°	30.8	605.6	1212.7	1393.7	1163.4	477.7	22.3	8.5	6.9	5.4
75°	3.9	48.5	103.2	156.4	107.1	51.6	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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