

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: P635069

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635069  
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-SA3D-722-U-SLL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

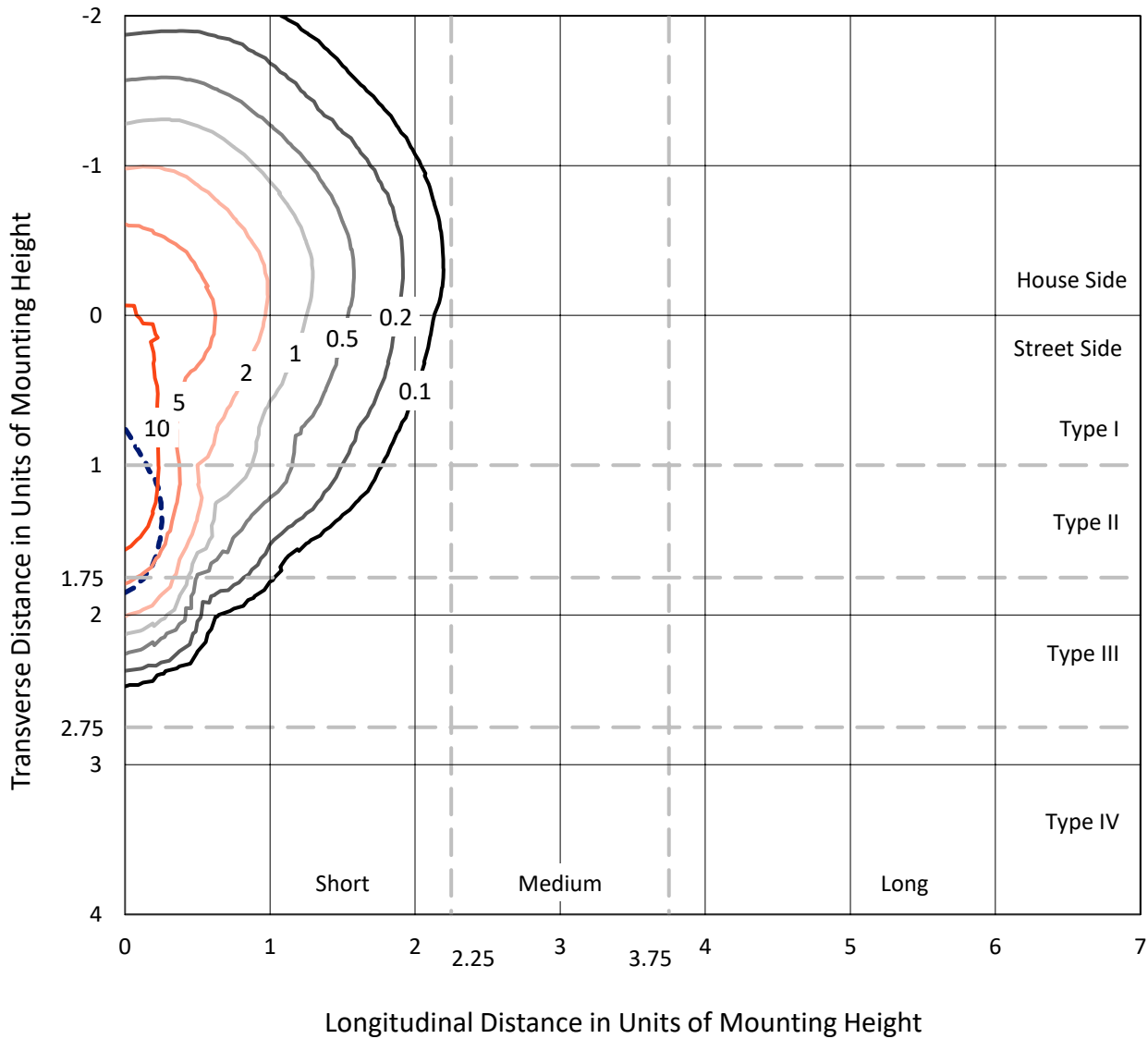
Lumens per Lamp: N/A  
Luminaire Lumens: 6950.9 lumens  
Efficiency: N/A  
Efficacy: 57.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

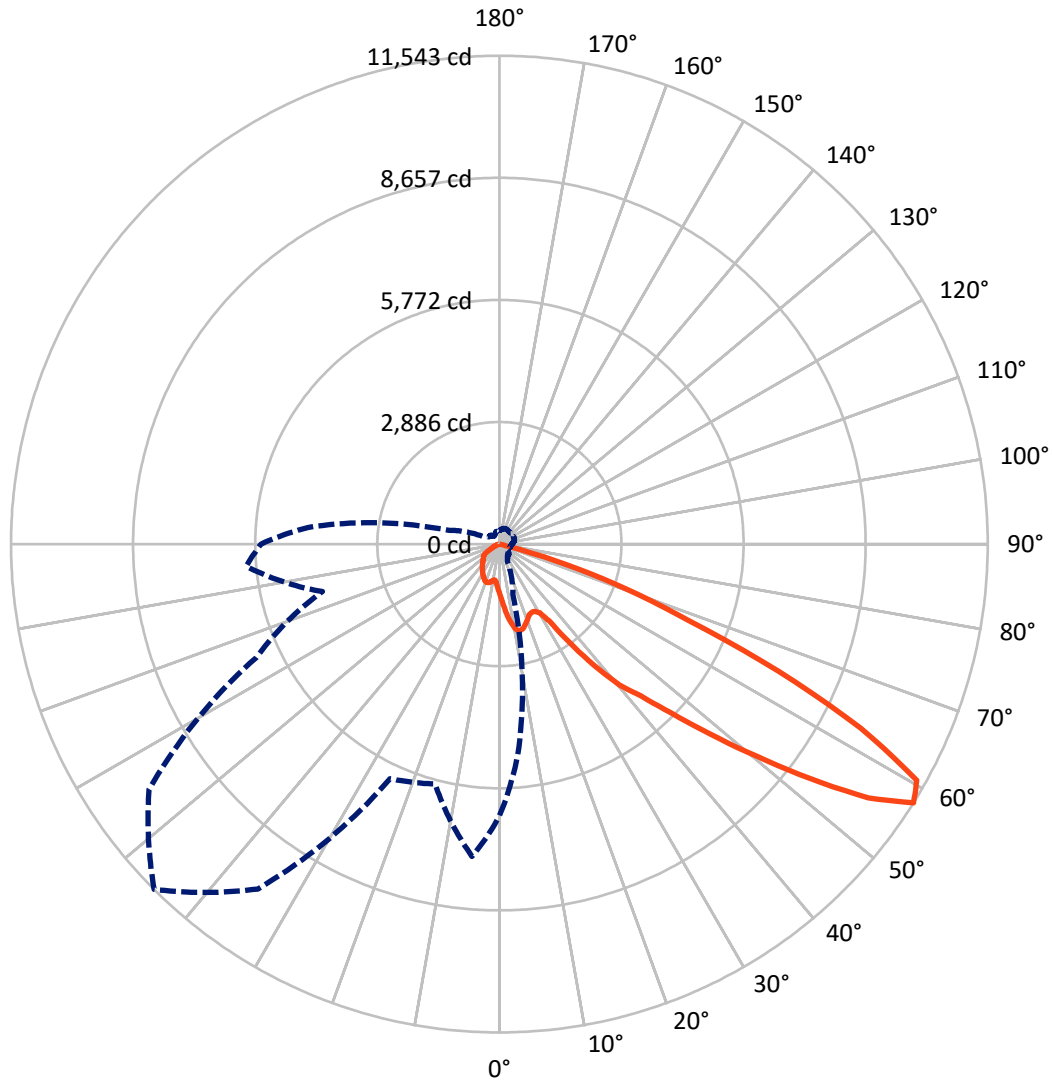
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1497.5	0.0	1497.5
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	5453.4	0.0	5453.4
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	6950.9	0.0	6950.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.7	1.7
10°-20°	384.1	5.5
20°-30°	623.4	9.0
30°-40°	956.7	13.8
40°-50°	1528.0	22.0
50°-60°	2139.4	30.8
60°-70°	1096.9	15.8
70°-80°	105.6	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°	6950.9	100.0
0°-180°	6950.9	100.0

**Coefficient of Utilization**



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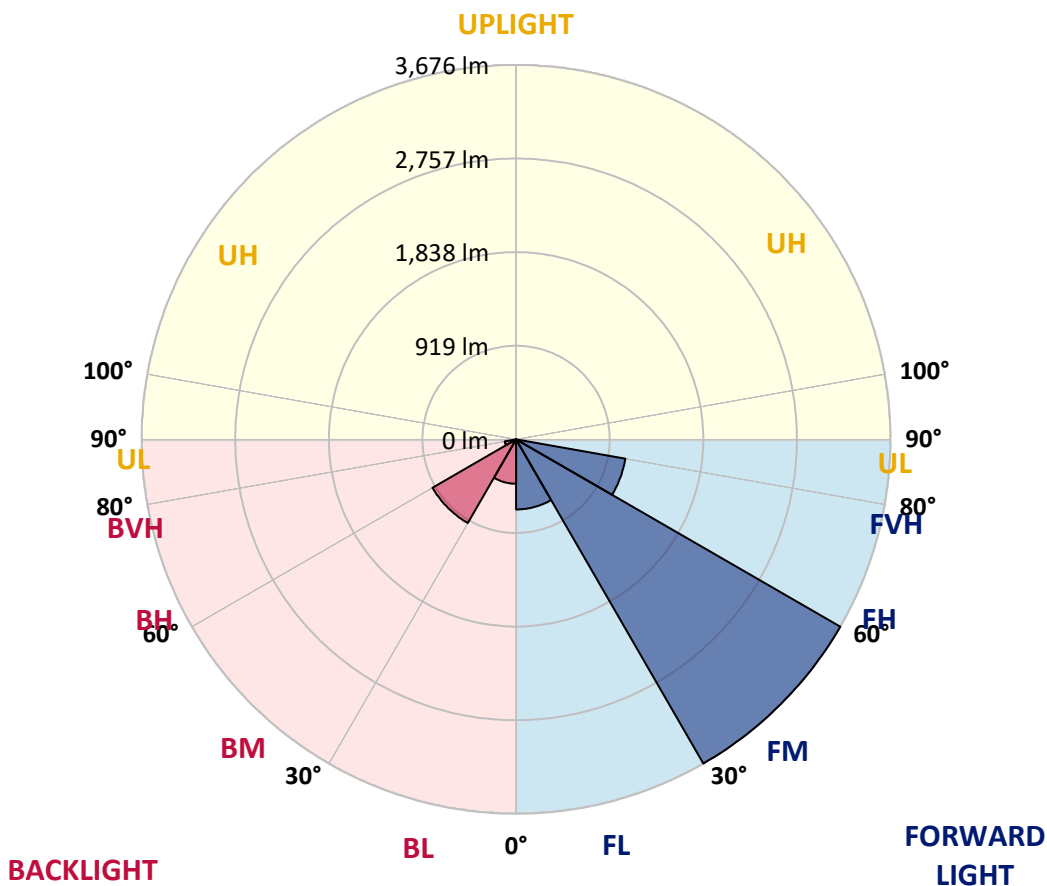
CATALOG NUMBER: GWS-SA3D-722-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	688.2	9.9			
FM (30°-60°)	3675.8	52.9			
FH (60°-80°)	1089.5	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	436.0	6.3	B1/500		
BM (30°-60°)	948.3	13.6	B1/1000		
BH (60°-80°)	113.1	1.6	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°	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1
2.5°	1312.1	1309.3	1300.0	1268.4	1248.9	1218.2	1195.9	1167.1	1135.5	1116.0	1096.5
5°	1451.5	1444.0	1418.9	1346.5	1290.7	1230.3	1182.0	1129.0	1072.3	1035.2	1000.8
7.5°	1585.3	1574.1	1540.7	1418.0	1333.5	1247.0	1178.3	1101.1	1021.2	965.5	922.7
10°	1716.3	1691.2	1638.2	1487.7	1373.4	1269.3	1188.5	1100.2	1006.4	935.7	888.4
12.5°	1824.1	1805.5	1733.0	1553.7	1406.9	1274.0	1174.6	1092.8	1029.6	982.2	938.5
15°	1917.0	1896.6	1827.8	1613.2	1435.7	1255.4	1116.0	1044.5	1054.7	1073.3	1036.1
17.5°	2002.5	1981.1	1906.8	1662.4	1446.8	1209.9	1034.2	999.9	1056.5	1126.2	1112.3
20°	2090.8	2066.6	1975.6	1702.4	1443.1	1138.3	951.5	961.8	1041.7	1121.6	1129.0
22.5°	2193.9	2168.8	2062.9	1753.5	1440.3	1052.8	880.0	928.3	1013.8	1081.6	1094.6
25°	2330.5	2300.8	2184.6	1828.7	1447.8	974.8	828.9	895.8	966.4	1027.7	1035.2
27.5°	2510.8	2472.7	2325.0	1921.7	1463.5	913.4	806.6	851.2	906.0	960.8	967.3
30°	2745.9	2697.6	2485.7	2002.5	1456.1	870.7	791.7	806.6	839.1	883.7	884.6
32.5°	3021.0	2955.0	2666.0	2072.2	1392.0	839.1	771.3	761.0	768.5	802.9	809.4
35°	3344.3	3258.8	2864.8	2138.2	1274.9	777.8	734.1	699.7	696.9	713.7	729.5
37.5°	3715.1	3612.9	3115.7	2222.7	1136.5	713.7	679.3	644.9	630.0	638.4	662.5
40°	4057.1	3943.7	3377.8	2325.0	995.2	656.0	615.2	579.8	562.2	565.0	594.7
42.5°	4458.5	4341.4	3698.4	2458.8	878.1	617.0	548.3	512.0	488.8	501.8	536.2
45°	5068.1	4935.2	4165.8	2574.9	785.2	607.7	489.7	438.6	427.4	449.8	490.6
47.5°	5900.7	5738.0	4807.9	2645.5	706.2	616.1	448.8	379.1	381.9	407.0	447.9
50°	6726.8	6551.1	5550.3	2552.6	641.2	599.4	428.4	332.7	350.3	372.6	409.8
52.5°	7294.5	7065.9	5911.8	2284.1	581.7	536.2	426.5	289.0	322.4	329.9	361.5
55°	7316.8	7035.3	5726.9	1800.9	500.9	452.5	407.0	252.8	291.8	294.6	321.5
57.5°	6413.6	6159.0	5004.9	1236.8	445.1	331.7	324.3	221.2	239.7	263.0	279.7
60°	4879.4	4662.9	3743.0	566.8	338.2	210.9	222.1	190.5	179.3	213.7	230.5
62.5°	2988.4	2850.0	2245.0	250.9	215.6	112.4	134.7	151.5	134.7	147.7	161.7
65°	1186.6	1125.3	852.1	106.9	88.3	56.7	61.3	88.3	94.8	104.1	117.1
67.5°	206.3	195.1	143.1	47.4	36.2	34.4	29.7	40.9	57.6	64.1	74.3
70°	26.9	26.0	23.2	19.5	18.6	16.7	13.0	26.0	39.0	40.9	47.4
72.5°	6.5	5.6	5.6	4.6	5.6	1.9	1.9	13.9	27.9	28.8	33.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	17.7	19.5	23.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1
2.5°	1080.7	1062.1	1055.6	1046.3	1034.2	1038.0	1021.2	1015.7	1024.0	1035.2	1032.4
5°	982.2	961.8	947.8	926.4	922.7	914.4	908.8	901.4	910.7	923.7	926.4
7.5°	904.1	886.5	872.6	866.0	861.4	857.7	846.5	841.0	841.0	846.5	851.2
10°	870.7	857.7	854.9	856.8	864.2	863.3	853.0	845.6	836.3	831.7	837.2
12.5°	917.2	895.8	892.1	893.0	902.3	901.4	890.2	880.9	879.1	880.9	898.6
15°	996.1	963.6	939.5	934.8	939.5	937.6	929.2	923.7	926.4	953.4	983.1
17.5°	1066.8	1016.6	972.9	956.2	955.3	952.5	944.1	942.2	956.2	1006.4	1050.0
20°	1087.2	1038.0	975.7	954.3	949.7	946.9	937.6	940.4	958.0	1018.4	1055.6
22.5°	1060.3	1012.9	947.8	926.4	922.7	921.8	912.5	916.2	931.1	984.1	1014.7
25°	1009.2	969.2	901.4	882.8	882.8	880.9	872.6	874.4	883.7	930.2	959.9
27.5°	946.9	908.8	852.1	833.5	836.3	839.1	828.9	826.1	833.5	877.2	894.9
30°	875.3	848.4	803.8	787.1	786.1	797.3	783.3	779.6	789.9	824.2	828.0
32.5°	805.6	792.6	761.0	748.0	749.0	750.8	743.4	743.4	752.7	771.3	770.3
35°	737.8	729.5	723.9	714.6	713.7	709.9	709.9	711.8	722.0	728.5	716.4
37.5°	672.8	681.1	687.6	678.3	670.9	670.9	670.9	679.3	688.6	685.8	665.3
40°	615.2	632.8	653.3	643.0	625.4	624.4	628.2	642.1	656.0	639.3	620.7
42.5°	565.9	588.2	617.0	611.4	591.9	589.1	591.9	609.6	620.7	599.4	578.9
45°	517.6	545.5	579.8	579.8	558.5	555.7	556.6	579.8	586.3	561.3	535.2
47.5°	476.7	507.4	543.6	543.6	525.9	520.4	525.0	549.2	553.8	518.5	494.4
50°	437.7	471.1	511.1	508.3	496.2	491.6	499.9	525.9	520.4	481.3	456.3
52.5°	388.4	423.7	478.6	481.3	474.8	475.8	486.0	502.7	486.9	439.5	418.2
55°	343.8	380.1	434.9	449.8	449.8	448.8	453.5	466.5	453.5	396.8	370.8
57.5°	295.5	326.2	371.7	375.4	378.2	368.0	374.5	392.1	385.6	337.3	322.4
60°	242.5	268.5	294.6	297.4	285.3	263.9	276.0	296.4	301.1	264.8	248.1
62.5°	171.9	197.0	227.7	227.7	215.6	194.2	210.0	227.7	221.2	184.0	173.8
65°	128.2	151.5	174.7	184.9	174.7	159.8	171.9	184.9	174.7	144.0	129.2
67.5°	82.7	98.5	112.4	120.8	122.7	120.8	126.4	122.7	110.6	90.1	81.8
70°	50.2	58.5	66.0	73.4	79.0	81.8	84.6	76.2	64.1	53.0	50.2
72.5°	36.2	43.7	50.2	55.8	62.3	64.1	64.1	58.5	47.4	37.2	34.4
75°	25.1	31.6	37.2	40.9	46.5	48.3	48.3	43.7	35.3	26.9	24.2
77.5°	0.9	6.5	6.5	5.6	7.4	9.3	9.3	11.2	10.2	7.4	6.5
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°	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1
2.5°	1038.0	1071.4	1080.7	1115.1	1145.7	1176.4	1213.6	1235.9	1269.3	1292.6	1305.6
5°	935.7	963.6	997.1	1048.2	1101.1	1159.7	1230.3	1291.6	1368.8	1425.5	1444.0
7.5°	861.4	897.6	936.7	1000.8	1073.3	1151.3	1250.8	1351.1	1469.1	1546.3	1595.5
10°	847.5	884.6	936.7	999.9	1076.1	1165.3	1287.0	1417.1	1564.8	1658.7	1714.4
12.5°	914.4	954.3	976.6	1005.4	1063.0	1162.5	1318.6	1484.0	1657.8	1760.0	1819.4
15°	1012.9	1048.2	1011.9	975.7	1012.9	1132.7	1336.2	1539.7	1739.5	1857.5	1918.9
17.5°	1080.7	1083.5	1004.5	927.4	937.6	1078.8	1342.7	1595.5	1826.9	1950.5	2014.6
20°	1074.2	1051.9	972.0	886.5	854.9	1009.2	1335.3	1644.8	1915.2	2044.3	2107.5
22.5°	1024.0	998.0	930.2	846.5	785.2	926.4	1322.3	1689.4	1996.0	2142.8	2202.3
25°	963.6	935.7	880.0	806.6	740.6	846.5	1312.1	1750.7	2098.2	2271.1	2317.5
27.5°	893.0	868.8	821.4	768.5	722.0	786.1	1309.3	1831.5	2221.8	2427.2	2459.7
30°	824.2	801.9	764.8	734.1	714.6	750.8	1300.0	1917.9	2369.6	2606.5	2641.8
32.5°	758.3	736.0	712.7	708.1	709.0	737.8	1268.4	2003.4	2545.2	2866.7	2892.7
35°	701.6	675.6	666.3	677.4	697.9	715.5	1179.2	2074.1	2733.8	3150.1	3171.5
37.5°	647.7	621.7	620.7	647.7	670.0	681.1	1074.2	2143.8	2988.4	3438.2	3465.1
40°	598.4	572.4	581.7	614.2	631.9	637.5	946.9	2249.7	3257.9	3742.0	3727.2
42.5°	556.6	529.7	535.2	577.1	592.9	607.7	829.8	2338.0	3517.2	4030.1	4025.5
45°	515.7	495.3	491.6	537.1	551.0	610.5	744.3	2405.8	3850.8	4397.2	4404.6
47.5°	475.8	460.0	460.9	480.4	514.8	624.4	671.8	2450.4	4334.9	4978.9	4849.7
50°	439.5	427.4	437.7	415.4	491.6	606.8	609.6	2441.1	4875.7	5536.4	5277.1
52.5°	399.6	396.8	401.4	347.5	454.4	535.2	551.0	2317.5	5129.4	5917.4	5769.6
55°	358.7	357.8	320.6	277.8	380.1	427.4	472.1	1933.7	5121.0	6120.0	6299.3
57.5°	310.4	302.9	243.5	226.7	295.5	297.4	430.2	1266.6	4538.4	5634.9	6006.6
60°	235.1	229.5	178.4	184.0	206.3	190.5	342.9	631.0	3391.7	4389.7	4808.8
62.5°	162.6	155.2	132.9	142.2	132.9	108.7	210.0	312.2	2054.5	2771.9	3152.0
65°	118.9	110.6	91.1	78.1	62.3	62.3	79.9	119.9	795.4	1178.3	1420.8
67.5°	73.4	69.7	53.9	39.0	38.1	40.9	41.8	59.5	128.2	204.4	250.0
70°	47.4	43.7	36.2	25.1	23.2	24.2	25.1	27.9	32.5	35.3	42.7
72.5°	32.5	30.7	26.0	13.9	11.2	12.1	13.0	13.0	15.8	14.9	17.7
75°	23.2	21.4	18.6	6.5	3.7	4.6	5.6	4.6	5.6	3.7	4.6
77.5°	6.5	6.5	4.6	0.9	0.0	0.9	1.9	1.9	0.9	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	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-SA3D-722-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1
2.5°	1339.0	1360.4	1368.8	1356.7	1366.9	1350.2	1343.7	1318.6	1316.7	1312.1
5°	1519.3	1567.6	1596.4	1614.1	1593.6	1571.3	1537.9	1480.3	1462.6	1451.5
7.5°	1696.8	1772.1	1821.3	1844.5	1839.0	1793.4	1733.0	1636.4	1602.0	1585.3
10°	1851.0	1943.0	2002.5	2031.3	2019.2	1979.3	1892.9	1772.1	1726.5	1716.3
12.5°	1958.8	2043.4	2084.3	2109.4	2110.3	2094.5	2012.7	1891.0	1837.1	1824.1
15°	2026.7	2062.9	2063.8	2078.7	2104.7	2140.0	2101.9	1994.1	1936.5	1917.0
17.5°	2069.4	2029.5	1988.6	1992.3	2035.0	2128.9	2167.9	2085.2	2023.9	2002.5
20°	2100.1	1973.7	1897.5	1898.4	1942.1	2084.3	2213.4	2173.5	2110.3	2090.8
22.5°	2119.6	1924.5	1815.7	1812.9	1859.4	2031.3	2255.3	2278.5	2216.2	2193.9
25°	2159.5	1901.2	1766.5	1782.3	1823.2	2014.6	2311.9	2417.9	2360.3	2330.5
27.5°	2231.1	1924.5	1761.8	1798.1	1844.5	2063.8	2410.4	2603.7	2544.3	2510.8
30°	2354.7	2011.8	1833.4	1883.6	1939.3	2193.0	2575.8	2863.0	2777.5	2745.9
32.5°	2553.5	2193.0	2054.5	2162.3	2216.2	2404.9	2824.0	3153.8	3084.1	3021.0
35°	2827.7	2606.5	2590.7	2841.6	2828.6	2806.3	3128.7	3510.7	3405.7	3344.3
37.5°	3204.9	3271.8	3388.9	3638.0	3629.6	3459.6	3529.2	3848.0	3794.1	3715.1
40°	3676.1	3818.2	4017.1	4373.9	4262.4	4048.7	4020.8	4193.6	4150.0	4057.1
42.5°	3953.9	4199.2	4578.4	4898.9	4809.7	4436.2	4404.6	4655.5	4559.8	4458.5
45°	4083.1	4509.6	5253.0	5686.9	5416.5	4693.6	4681.5	5257.6	5203.7	5068.1
47.5°	4142.5	4822.7	6042.8	6699.8	6194.3	4919.4	4875.7	6131.1	6060.5	5900.7
50°	4208.5	5254.8	6994.4	7873.4	7133.8	5174.9	5206.5	6945.1	6915.4	6726.8
52.5°	4353.5	5712.0	8166.1	9215.2	8273.0	5575.4	5774.3	7712.7	7512.0	7294.5
55°	4570.9	6210.1	9385.3	10585.9	9435.5	6113.5	6388.5	8120.6	7557.5	7316.8
57.5°	4330.2	6334.6	10107.3	11543.0	9951.2	6115.3	5869.1	7413.5	6646.8	6413.6
60°	3436.3	5893.2	9829.5	11335.8	9511.7	5430.5	4493.8	5788.2	5035.5	4879.4
62.5°	2323.1	4942.6	8653.1	9586.9	8141.0	4271.7	2920.6	3764.3	3117.6	2988.4
65°	1273.1	3687.2	6991.6	7252.7	6371.8	2983.8	1502.6	1633.6	1244.2	1186.6
67.5°	351.3	2566.6	5144.3	4811.6	4470.6	1943.0	388.4	291.8	208.1	206.3
70°	88.3	1697.7	3082.3	3177.1	2741.3	1244.2	74.3	35.3	27.9	26.9
72.5°	37.2	730.4	1462.6	1681.0	1403.1	576.1	26.9	10.2	8.4	6.5
75°	4.6	58.5	124.5	188.6	129.2	62.3	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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