

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: P629900

Luminaire Tested: GWS-SA1C-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629900  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-750-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

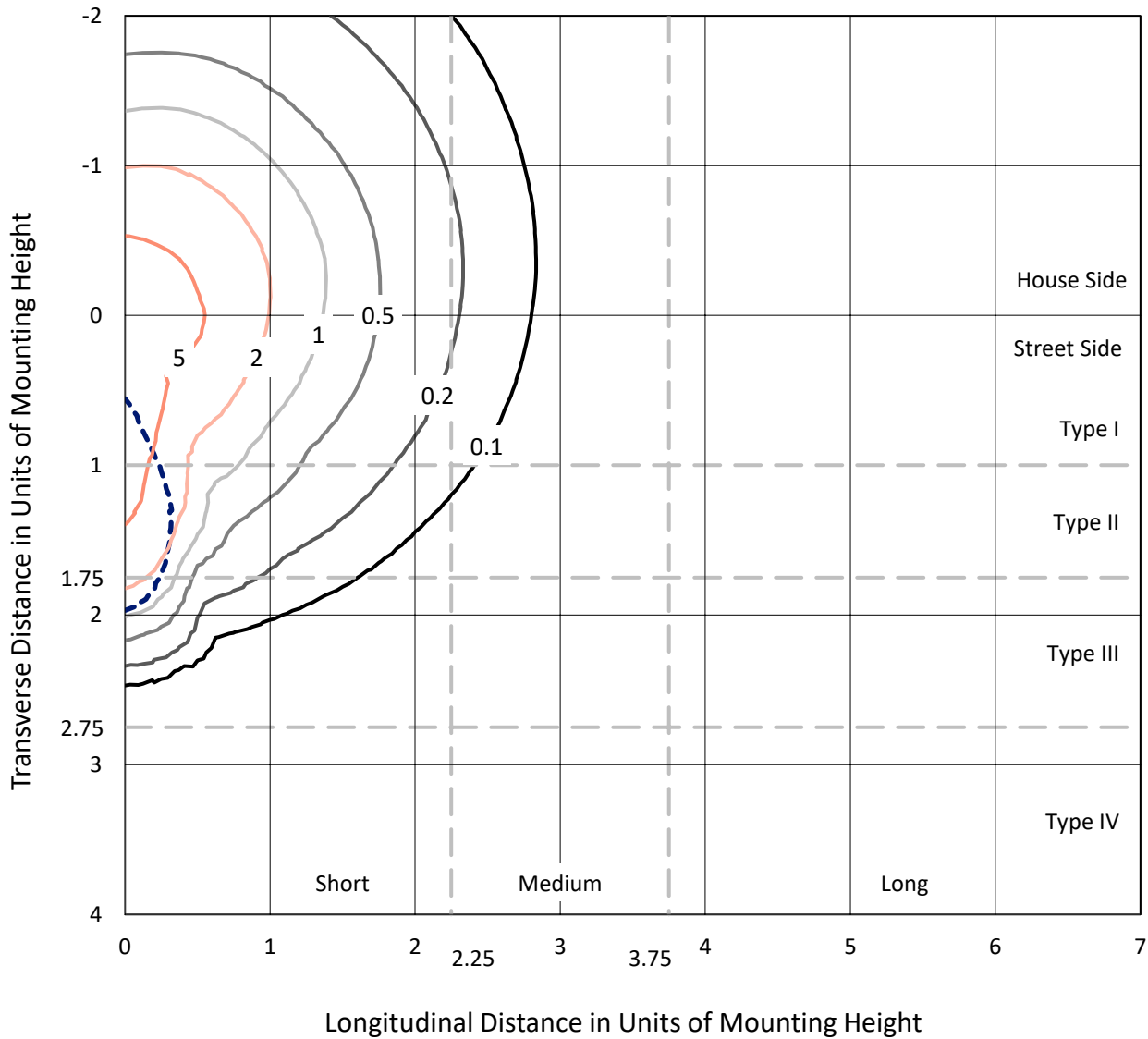
Lumens per Lamp: N/A  
Luminaire Lumens: 3827.1 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

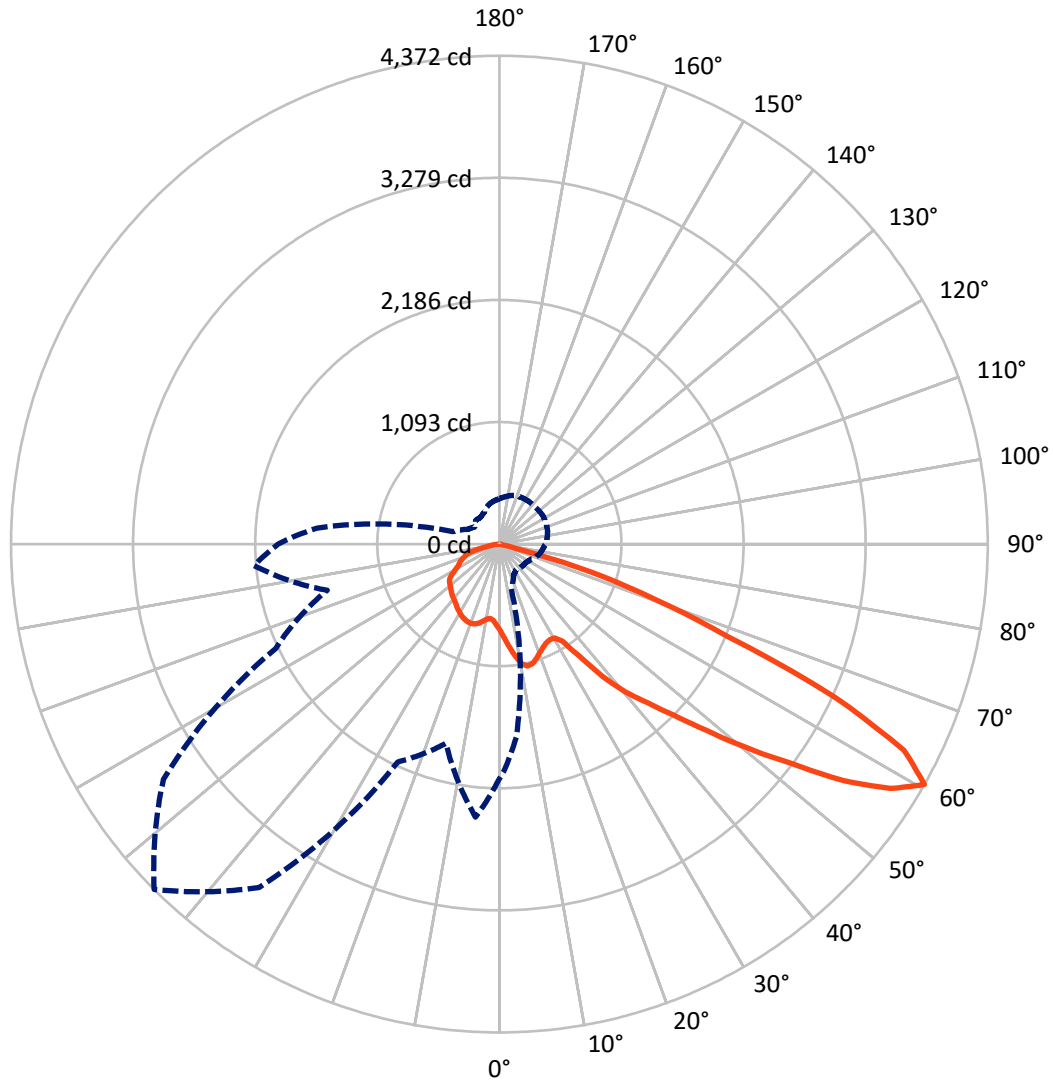
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1309.2	0.0	1309.2
	% Fixture	34.2	0.0	34.2
<b>Street Side</b>	Lumens	2517.9	0.0	2517.9
	% Fixture	65.8	0.0	65.8
<b>Total</b>	Lumens	3827.1	0.0	3827.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.4	2.0
10°-20°	241.9	6.3
20°-30°	393.9	10.3
30°-40°	553.4	14.5
40°-50°	757.3	19.8
50°-60°	971.5	25.4
60°-70°	654.2	17.1
70°-80°	163.5	4.3
80°-90°	15.9	0.4
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°	3827.1	100.0
0°-180°	3827.1	100.0

**Coefficient of Utilization**



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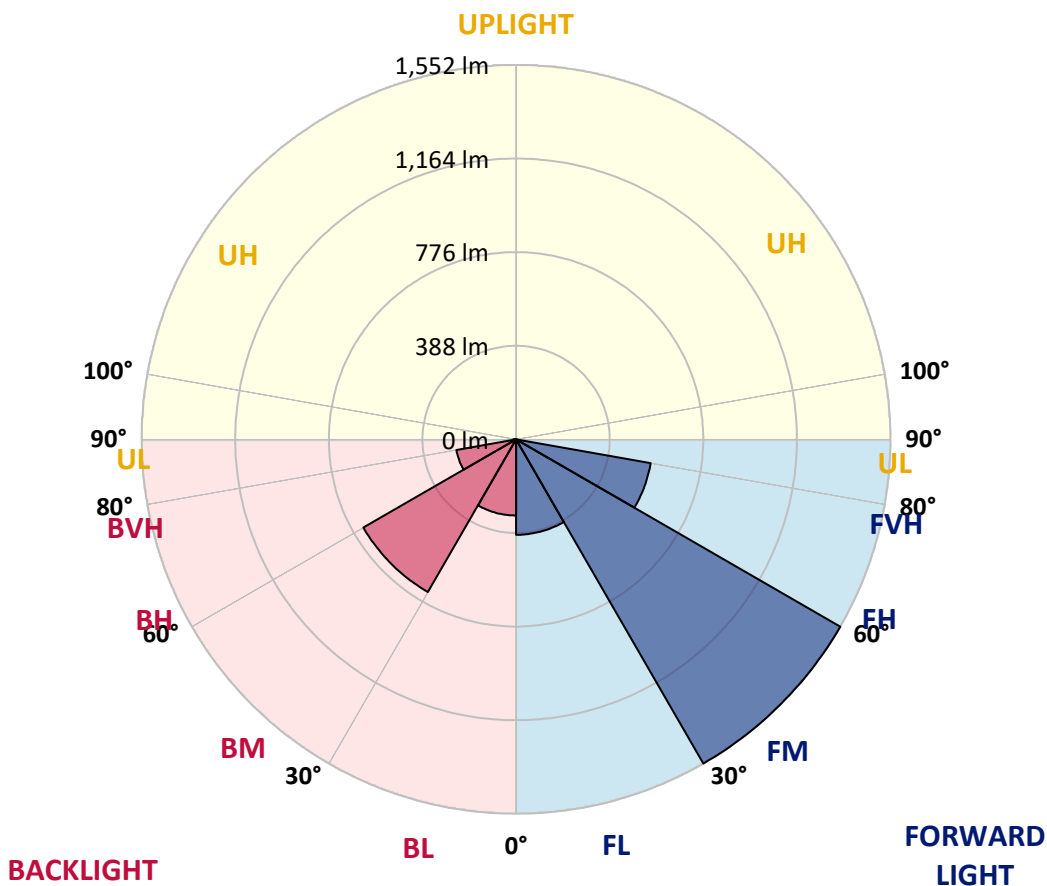
CATALOG NUMBER: GWS-SA1C-750-U-SLL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.6	10.3			
FM (30°-60°)	1551.5	40.5			
FH (60°-80°)	566.6	14.8			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	315.6	8.2	B1/500		
BM (30°-60°)	730.6	19.1	B1/1000		
BH (60°-80°)	251.2	6.6	B1/500		G1/500
BVH (80°-90°)	11.8	0.3			G1/100
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°	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9
2.5°	816.6	814.9	813.1	799.4	795.9	786.0	778.9	770.1	757.4	750.4	744.4
5°	867.8	864.9	855.4	827.2	808.9	788.8	772.2	753.9	734.5	721.8	712.0
7.5°	916.0	915.3	899.1	852.6	823.0	794.1	771.5	744.7	716.9	697.9	685.2
10°	960.8	955.5	936.1	875.5	836.7	803.6	779.3	749.7	717.3	691.5	674.6
12.5°	1000.3	993.6	966.8	896.7	848.7	807.8	781.4	757.1	735.6	714.1	694.7
15°	1032.7	1024.6	997.5	916.4	859.3	805.4	768.4	749.3	756.7	766.2	744.7
17.5°	1063.0	1054.6	1021.4	930.8	862.5	790.2	736.3	728.2	765.5	808.9	799.0
20°	1088.4	1078.9	1040.5	937.9	856.8	761.3	694.7	708.8	758.1	810.0	825.8
22.5°	1115.9	1108.1	1062.0	948.1	849.8	721.5	659.8	694.3	745.5	790.9	814.9
25°	1159.9	1150.4	1095.4	966.1	846.3	684.1	634.8	680.2	727.8	769.1	787.7
27.5°	1223.7	1206.1	1141.3	997.5	850.1	648.9	618.9	663.0	707.4	742.6	757.8
30°	1293.2	1272.0	1192.0	1029.9	855.8	627.4	610.5	643.2	676.0	711.3	727.8
32.5°	1375.3	1356.6	1246.3	1054.2	843.8	617.5	604.1	621.7	647.8	676.0	689.8
35°	1473.3	1439.8	1305.5	1073.9	805.0	603.1	598.5	598.1	611.9	639.4	654.9
37.5°	1578.7	1542.7	1378.5	1095.1	744.7	580.1	585.1	570.3	583.0	604.8	622.4
40°	1665.0	1627.3	1452.1	1124.0	669.3	544.2	555.5	539.6	547.4	569.9	589.7
42.5°	1749.6	1709.4	1520.9	1156.8	596.4	509.0	514.6	508.6	511.1	534.7	562.2
45°	1860.6	1815.5	1605.5	1180.0	530.8	481.1	475.8	465.6	478.6	509.3	538.6
47.5°	2046.0	1992.1	1744.0	1195.2	483.2	465.2	440.9	434.9	451.1	485.3	515.6
50°	2262.8	2216.3	1965.3	1194.5	447.6	451.9	407.1	401.8	428.6	463.1	495.2
52.5°	2440.4	2393.2	2154.6	1159.2	418.4	423.3	387.4	372.5	409.2	441.3	473.4
55°	2583.9	2530.7	2241.6	1011.9	381.4	377.8	365.9	338.7	384.9	419.4	449.4
57.5°	2506.7	2443.2	2136.3	769.4	343.3	321.1	328.8	308.8	351.8	395.1	424.0
60°	2101.7	2044.6	1735.5	409.6	302.1	268.2	284.4	287.6	315.5	365.9	395.5
62.5°	1443.7	1402.1	1176.2	248.5	238.3	215.4	240.7	263.6	284.4	327.1	352.8
65°	706.3	694.0	588.3	159.3	166.7	174.1	199.5	227.3	258.0	295.4	322.5
67.5°	194.6	196.0	178.3	124.4	131.5	151.9	172.0	194.2	224.9	259.4	286.9
70°	85.6	87.1	89.9	95.9	109.3	127.9	148.7	171.6	199.8	228.7	255.2
72.5°	59.6	61.0	65.2	73.0	84.9	102.6	122.3	144.2	173.4	197.7	219.6
75°	36.7	37.7	41.6	48.3	56.4	69.8	89.2	109.3	135.0	157.2	176.6
77.5°	19.4	18.7	21.1	25.7	32.8	39.8	52.9	65.6	83.9	101.9	118.1
80°	10.6	10.2	11.6	14.1	16.2	21.9	30.7	39.1	49.7	59.9	68.7
82.5°	4.6	4.2	4.6	6.0	7.4	10.6	15.5	21.5	27.5	34.5	40.2
85°	0.0	0.0	0.0	0.4	1.8	2.8	5.3	7.8	11.3	15.5	19.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.2
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°	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9
2.5°	740.9	732.1	731.4	724.3	725.0	725.4	718.3	715.5	718.0	720.8	719.4
5°	708.4	699.3	695.4	688.7	688.0	684.8	682.0	678.5	681.0	683.4	684.8
7.5°	680.2	674.3	671.8	670.0	670.7	669.3	663.7	660.5	660.2	661.2	662.6
10°	671.1	666.1	669.3	674.3	677.8	680.2	674.3	669.0	664.0	661.9	661.9
12.5°	690.8	684.5	690.8	696.1	703.2	704.9	698.2	692.6	690.8	692.9	697.2
15°	734.5	719.7	719.4	722.5	728.2	731.0	724.7	721.8	721.8	735.2	745.8
17.5°	778.2	753.9	743.7	741.9	745.5	746.5	741.2	738.8	745.1	771.2	790.9
20°	808.9	779.3	757.1	752.9	753.9	754.3	750.0	748.3	757.4	789.2	805.7
22.5°	805.7	783.9	756.7	751.4	753.2	752.5	748.6	747.9	755.3	782.8	790.6
25°	783.9	767.0	744.0	740.5	743.3	743.0	739.1	737.3	740.5	758.8	759.5
27.5°	758.8	744.0	724.3	723.2	727.8	730.3	723.6	718.3	717.3	729.6	726.8
30°	728.9	718.0	702.1	702.8	711.3	712.7	704.6	696.8	694.7	701.4	697.5
32.5°	693.3	689.8	681.3	683.1	691.2	694.0	685.5	677.4	675.0	677.1	669.0
35°	663.0	661.6	662.3	665.4	672.5	674.6	667.6	661.2	657.7	650.3	639.7
37.5°	631.6	635.5	645.7	651.7	655.6	654.9	651.0	646.4	640.8	627.0	614.0
40°	602.4	612.2	630.5	637.2	638.7	639.0	636.2	632.3	625.3	606.9	592.1
42.5°	579.8	590.7	615.0	625.3	626.0	626.7	623.9	620.7	610.8	586.5	572.0
45°	556.2	570.6	599.2	611.5	610.8	610.5	608.0	606.6	595.0	566.8	550.9
47.5°	536.1	553.0	583.7	594.2	593.9	593.5	591.8	591.8	580.1	549.5	531.5
50°	516.4	535.7	567.8	576.6	577.3	576.6	575.9	577.0	563.2	530.5	512.8
52.5°	494.9	516.7	550.2	558.3	562.5	564.3	564.3	561.8	545.6	511.4	492.0
55°	471.2	492.0	530.8	541.7	545.3	548.4	548.4	543.5	528.3	493.8	473.0
57.5°	442.0	460.3	491.0	501.9	510.4	512.5	512.5	504.4	492.0	458.9	442.0
60°	410.3	426.1	446.9	458.5	464.9	460.7	463.8	461.7	451.9	421.2	407.1
62.5°	368.0	384.2	407.1	419.1	421.9	417.7	421.9	421.5	408.1	380.7	363.7
65°	337.7	353.5	376.1	391.6	396.2	395.1	397.9	393.7	377.1	351.0	334.8
67.5°	301.7	318.6	344.7	362.0	371.5	372.5	376.4	367.6	350.7	322.1	301.7
70°	267.5	282.0	302.1	318.3	331.7	338.4	339.1	326.4	305.2	281.6	266.8
72.5°	231.6	246.4	270.7	288.3	305.2	313.0	313.0	297.5	274.6	248.5	232.6
75°	187.9	201.6	223.8	242.8	262.2	272.1	271.7	258.4	233.0	208.3	191.7
77.5°	127.2	137.5	151.6	166.0	168.8	176.6	180.5	163.5	149.4	136.0	121.2
80°	74.0	80.4	88.1	96.2	98.0	100.5	94.1	87.8	80.4	71.5	64.9
82.5°	43.4	47.6	51.5	57.8	58.9	59.6	53.9	51.1	45.1	39.8	35.6
85°	21.1	22.6	26.1	29.3	27.8	27.1	24.7	21.9	19.4	17.3	15.2
87.5°	4.2	4.2	6.3	6.0	4.9	4.2	2.5	3.2	0.7	0.7	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°	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9
2.5°	724.0	729.9	737.3	747.2	758.5	770.5	782.1	790.9	799.7	812.8	810.7
5°	686.9	697.2	708.8	724.0	742.3	763.1	786.3	809.6	834.6	855.8	864.9
7.5°	665.4	676.7	690.5	710.2	733.8	759.2	792.0	829.7	870.2	898.1	915.3
10°	665.4	679.9	697.9	716.9	737.7	763.8	804.3	851.5	903.7	940.4	960.5
12.5°	703.9	718.3	722.2	721.5	733.1	762.0	814.2	874.5	936.8	975.6	1000.3
15°	763.8	768.7	739.5	712.7	714.4	749.3	818.8	892.8	965.4	1011.9	1038.7
17.5°	804.0	790.9	738.8	691.9	682.0	727.8	818.8	910.4	995.7	1048.2	1073.2
20°	807.1	774.7	720.8	671.8	646.4	699.3	813.1	923.8	1025.0	1083.1	1109.9
22.5°	779.3	747.2	701.7	654.5	617.2	664.7	804.0	934.0	1050.0	1115.9	1149.0
25°	747.6	720.8	682.4	636.9	597.1	629.8	795.5	951.3	1084.9	1160.3	1193.8
27.5°	716.5	694.0	659.1	622.1	585.8	599.5	790.2	976.7	1126.5	1223.4	1252.3
30°	686.2	665.8	634.1	608.0	579.8	579.8	785.6	1005.9	1181.4	1294.2	1323.1
32.5°	655.6	636.2	610.5	594.2	576.3	572.0	772.9	1033.4	1238.2	1371.8	1401.4
35°	627.0	607.6	587.9	581.2	574.5	566.0	741.6	1054.9	1293.5	1462.4	1487.7
37.5°	600.2	581.6	566.8	565.0	565.7	549.8	692.2	1072.9	1362.6	1555.0	1568.4
40°	577.0	556.2	544.5	544.2	547.7	523.8	629.8	1098.6	1441.6	1633.6	1628.0
42.5°	556.2	534.3	520.2	523.4	521.3	497.7	568.9	1122.2	1510.3	1707.3	1696.0
45°	535.7	514.6	494.9	499.4	497.0	481.5	517.1	1139.5	1586.4	1795.8	1797.2
47.5°	516.0	495.2	475.5	469.8	469.5	476.5	477.2	1145.1	1710.5	1938.2	1906.1
50°	497.7	476.9	456.4	437.4	444.8	466.7	447.6	1140.9	1896.2	2095.4	2005.8
52.5°	478.6	458.9	436.3	402.2	421.5	443.0	421.2	1125.8	2009.7	2234.2	2180.7
55°	456.8	438.1	407.4	365.9	389.5	394.0	394.0	979.1	2058.0	2371.7	2404.8
57.5°	427.5	402.9	354.2	320.7	341.9	324.3	365.1	685.2	1978.4	2328.3	2457.0
60°	394.4	368.0	316.5	292.5	298.9	267.9	311.2	429.6	1639.6	1981.2	2203.9
62.5°	350.7	326.4	283.7	265.0	252.0	218.5	250.6	271.7	1124.0	1471.2	1623.1
65°	321.4	294.7	256.6	231.9	205.1	175.9	166.4	178.3	604.5	823.3	925.9
67.5°	286.9	260.5	224.5	193.5	172.0	150.9	134.3	130.1	207.2	274.2	296.8
70°	254.1	228.7	198.8	169.9	148.4	127.6	111.4	99.7	95.9	95.2	93.8
72.5°	220.6	197.0	172.0	145.2	121.6	102.6	88.1	74.7	69.1	67.3	65.6
75°	180.8	162.1	137.1	108.2	89.2	71.5	60.3	51.5	46.5	44.8	42.6
77.5°	116.3	107.9	86.0	69.8	53.9	42.6	36.7	31.0	27.8	27.1	25.4
80°	62.0	57.8	47.6	40.2	32.1	26.1	22.9	19.7	18.0	17.3	16.6
82.5°	34.5	31.4	26.4	23.3	18.7	15.9	14.1	12.7	11.6	11.3	10.9
85°	15.5	13.4	10.6	9.9	8.8	8.1	7.8	7.0	6.7	6.3	6.0
87.5°	0.7	1.4	1.8	1.4	1.4	2.1	2.5	2.5	2.1	2.1	1.8
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-SA1C-750-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9
2.5°	823.7	834.3	835.3	838.9	834.3	833.2	825.8	821.6	817.7	816.6
5°	887.8	909.0	917.5	923.4	917.8	915.0	898.8	881.9	872.3	867.8
7.5°	953.8	985.5	1002.0	1009.4	1010.1	997.5	969.6	937.9	922.0	916.0
10°	1012.6	1051.7	1073.6	1087.7	1082.8	1067.2	1029.2	986.2	966.1	960.8
12.5°	1056.3	1093.7	1110.6	1119.8	1119.4	1111.0	1075.0	1028.5	1005.6	1000.3
15°	1084.5	1106.7	1107.8	1109.9	1115.9	1127.2	1108.5	1065.5	1040.1	1032.7
17.5°	1106.7	1097.9	1081.3	1075.7	1089.1	1120.5	1131.7	1096.9	1069.4	1063.0
20°	1120.8	1076.4	1047.2	1036.2	1051.7	1102.8	1145.8	1125.0	1096.5	1088.4
22.5°	1131.7	1056.3	1009.1	1001.7	1017.9	1083.8	1160.3	1158.5	1127.2	1115.9
25°	1149.0	1042.9	982.3	977.0	992.2	1074.6	1179.7	1204.0	1176.2	1159.9
27.5°	1176.2	1041.5	968.6	966.8	987.6	1082.8	1207.5	1270.6	1235.7	1223.7
30°	1213.9	1054.9	971.7	975.3	1000.6	1112.0	1250.9	1346.7	1311.9	1293.2
32.5°	1268.1	1090.9	1020.0	1035.2	1053.9	1158.9	1314.3	1429.2	1402.8	1375.3
35°	1339.7	1189.5	1162.8	1227.3	1209.6	1261.5	1390.8	1529.3	1497.2	1473.3
37.5°	1435.2	1391.9	1416.5	1505.4	1462.7	1455.3	1484.2	1620.3	1602.6	1578.7
40°	1569.1	1578.0	1623.4	1740.1	1678.4	1630.8	1598.8	1688.6	1694.6	1665.0
42.5°	1658.0	1698.5	1808.1	1940.6	1855.7	1741.9	1694.6	1776.0	1776.4	1749.6
45°	1691.1	1797.2	2026.3	2178.9	2036.9	1805.3	1747.5	1894.8	1891.3	1860.6
47.5°	1679.1	1880.4	2252.9	2486.2	2269.5	1850.4	1740.1	2064.0	2092.5	2046.0
50°	1654.1	1963.9	2517.6	2862.7	2555.0	1898.3	1728.8	2251.5	2298.7	2262.8
52.5°	1679.5	2057.0	2830.6	3251.8	2913.1	1974.8	1804.9	2492.2	2483.8	2440.4
55°	1759.8	2166.9	3210.9	3740.6	3306.4	2104.2	2000.6	2721.7	2635.7	2583.9
57.5°	1756.0	2245.5	3544.3	4127.3	3648.7	2210.3	2068.6	2746.0	2572.2	2506.7
60°	1593.8	2209.6	3671.2	4371.9	3751.9	2151.8	1844.8	2452.8	2170.4	2101.7
62.5°	1189.5	1960.7	3425.2	4065.6	3459.7	1858.5	1387.3	1760.5	1559.6	1443.7
65°	761.0	1533.9	2879.6	3293.7	2851.7	1421.5	826.2	943.9	739.5	706.3
67.5°	323.9	1082.8	2238.5	2201.5	2133.4	921.0	319.0	265.8	198.1	194.6
70°	107.1	736.6	1379.9	1468.3	1274.1	634.4	105.4	89.2	88.8	85.6
72.5°	70.1	395.5	776.8	864.9	819.8	365.1	63.8	59.6	61.0	59.6
75°	41.9	86.0	130.8	169.9	130.8	61.3	38.4	37.7	38.4	36.7
77.5°	24.7	24.0	23.3	23.3	22.9	21.1	19.4	18.7	19.0	19.4
80°	15.9	15.2	14.5	14.1	12.3	11.6	10.9	10.2	10.2	10.6
82.5°	10.2	9.5	8.8	7.8	6.3	5.3	4.9	4.2	4.2	4.6
85°	5.3	4.2	3.2	2.5	1.4	0.7	0.0	0.0	0.0	0.0
87.5°	1.1	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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