

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: P629904

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629904  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-750-U-SLR-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

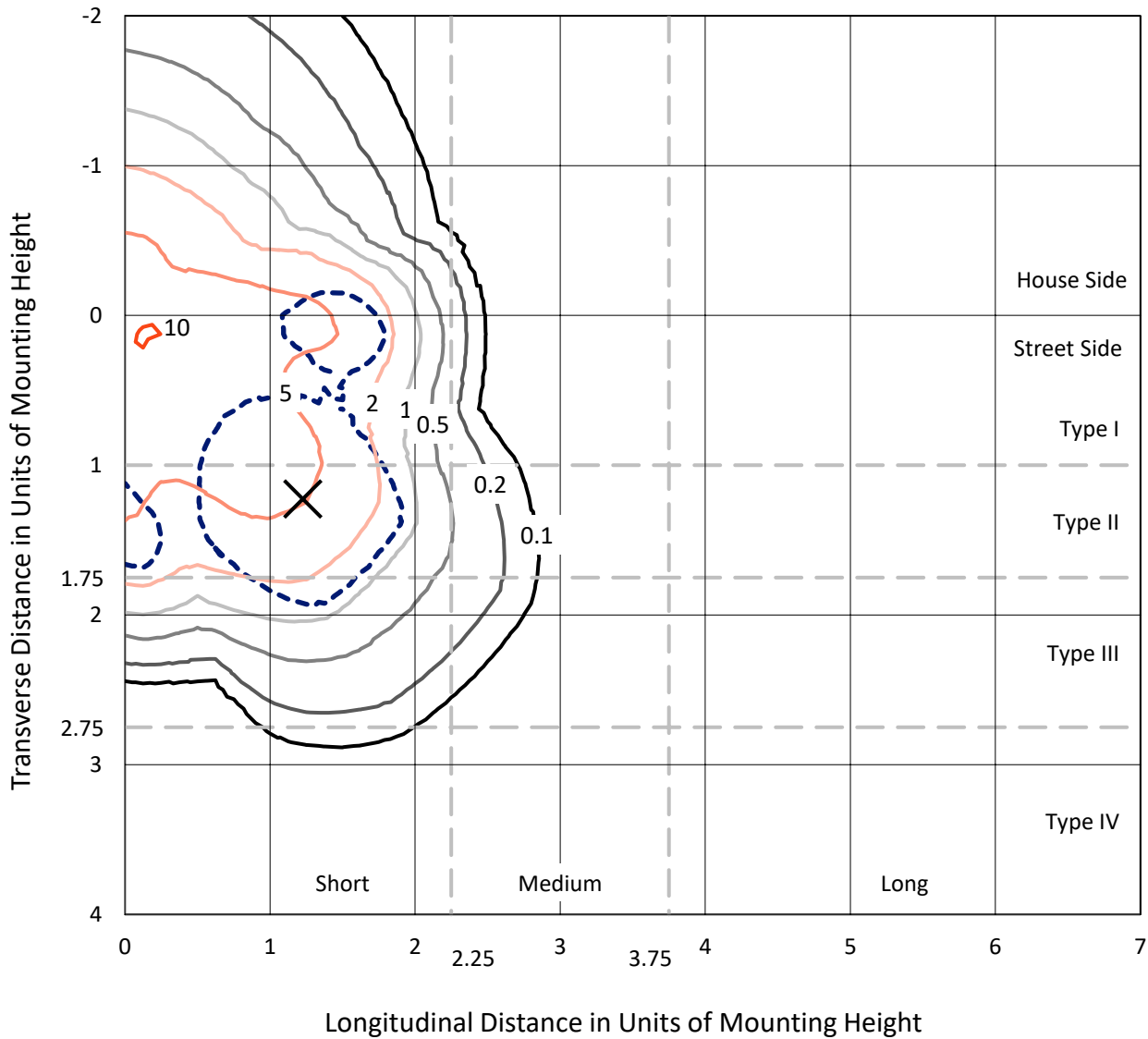
Lumens per Lamp: N/A  
Luminaire Lumens: 3846.8 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

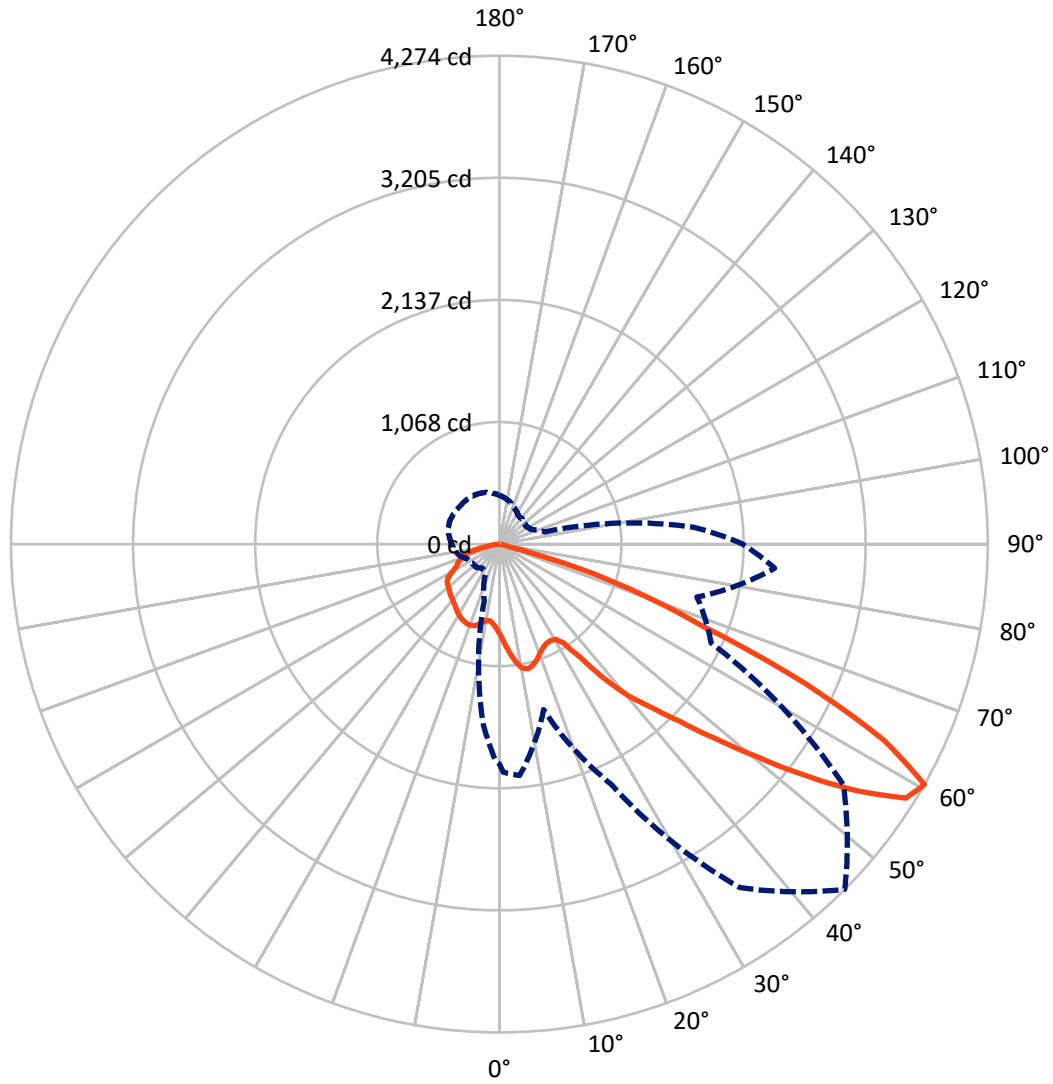
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1348.4	0.0	1348.4
	% Fixture	35.1	0.0	35.1
<b>Street Side</b>	Lumens	2498.4	0.0	2498.4
	% Fixture	64.9	0.0	64.9
<b>Total</b>	Lumens	3846.8	0.0	3846.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.1	2.0
10°-20°	243.6	6.3
20°-30°	395.8	10.3
30°-40°	558.1	14.5
40°-50°	771.3	20.1
50°-60°	993.0	25.8
60°-70°	629.1	16.4
70°-80°	161.4	4.2
80°-90°	17.3	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°	3846.8	100.0
0°-180°	3846.8	100.0

**Coefficient of Utilization**



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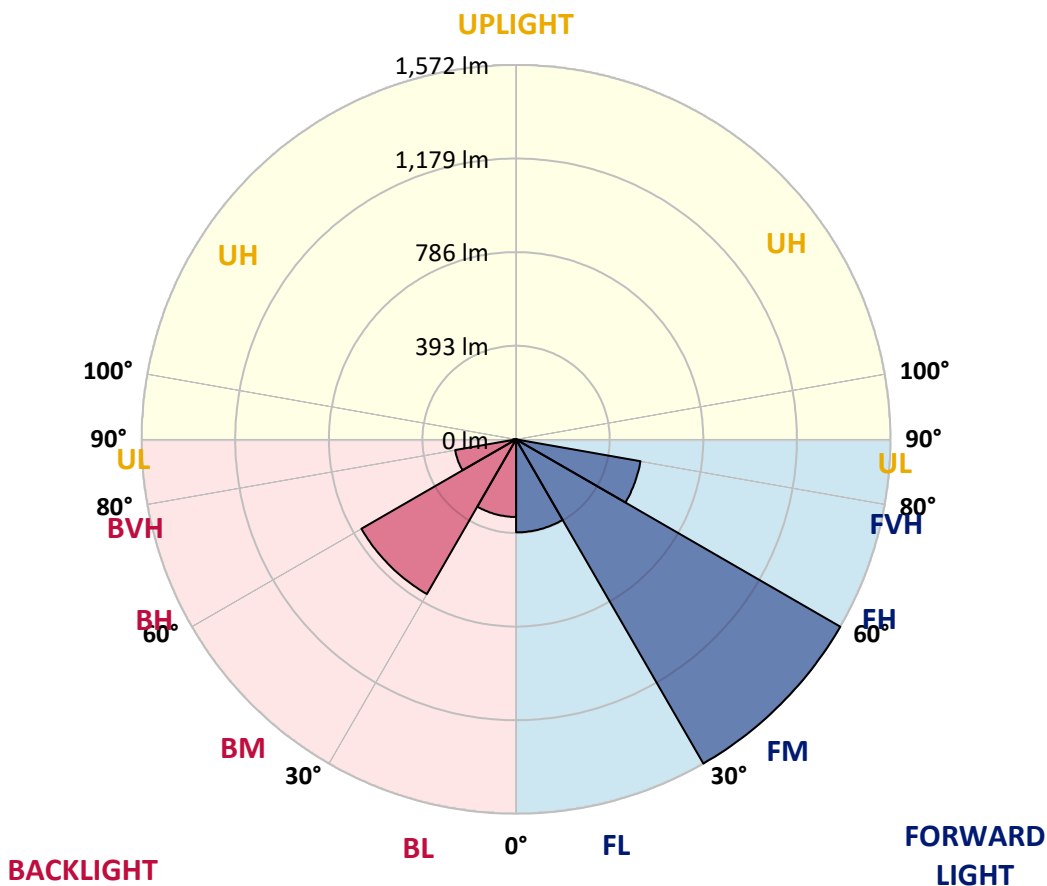
CATALOG NUMBER: GWS-SA1C-750-U-SLR-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	390.6	10.2			
FM (30°-60°)	1572.3	40.9			
FH (60°-80°)	530.7	13.8			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	325.9	8.5	B1/500		
BM (30°-60°)	750.1	19.5	B1/1000		
BH (60°-80°)	259.9	6.8	B1/500		G1/500
BVH (80°-90°)	12.6	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°	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2
2.5°	826.6	832.2	835.7	842.4	854.4	861.1	868.5	860.4	862.5	861.4	848.4
5°	875.5	882.2	891.4	911.1	933.3	945.7	957.3	955.6	944.6	926.3	913.3
7.5°	921.4	929.1	945.0	977.1	1009.8	1028.9	1043.0	1033.8	1024.6	995.7	963.0
10°	957.3	961.9	983.4	1026.4	1064.5	1086.0	1103.2	1101.1	1088.4	1056.0	1012.0
12.5°	991.2	994.3	1017.6	1060.6	1094.8	1104.3	1118.4	1123.0	1118.8	1094.4	1051.1
15°	1027.5	1033.5	1055.0	1087.7	1103.2	1093.4	1098.3	1111.0	1123.0	1123.0	1083.2
17.5°	1061.3	1066.6	1088.4	1102.5	1087.7	1061.7	1063.1	1079.3	1107.8	1137.8	1112.4
20°	1091.3	1096.2	1117.7	1104.3	1057.4	1019.4	1018.3	1038.0	1084.2	1147.3	1143.8
22.5°	1124.0	1131.1	1149.1	1105.7	1029.2	980.9	980.6	1001.0	1063.4	1156.8	1179.7
25°	1170.6	1181.5	1190.7	1118.0	1014.1	955.9	960.5	979.9	1056.7	1172.3	1233.0
27.5°	1239.6	1248.5	1247.8	1143.8	1013.4	945.7	955.2	977.8	1068.7	1199.8	1289.0
30°	1314.4	1319.0	1311.6	1179.7	1029.6	952.0	966.1	992.9	1099.0	1245.3	1371.5
32.5°	1397.2	1402.8	1388.7	1233.7	1067.3	998.9	1029.9	1043.0	1141.7	1310.8	1458.9
35°	1492.4	1503.3	1474.0	1304.9	1178.3	1169.9	1215.0	1198.1	1232.2	1388.4	1552.3
37.5°	1592.5	1592.8	1550.9	1410.2	1396.1	1410.6	1500.8	1448.0	1424.3	1474.7	1647.5
40°	1677.4	1675.3	1610.8	1552.3	1585.8	1643.2	1752.1	1671.1	1609.0	1590.7	1726.4
42.5°	1762.4	1754.6	1689.4	1642.5	1716.5	1834.6	1957.6	1858.2	1727.5	1696.1	1804.3
45°	1870.9	1868.5	1789.9	1678.5	1834.6	2048.9	2212.1	2051.0	1797.6	1757.4	1934.0
47.5°	2046.1	2034.1	1887.8	1675.7	1945.3	2334.4	2540.6	2293.9	1846.6	1758.8	2143.4
50°	2217.4	2202.6	2004.9	1675.3	2059.5	2630.5	2928.3	2588.9	1896.7	1767.3	2356.3
52.5°	2390.5	2390.5	2197.0	1715.1	2179.3	2961.1	3376.3	2956.5	1982.0	1878.0	2618.2
55°	2493.4	2520.9	2413.0	1782.5	2319.6	3350.3	3819.4	3353.4	2113.8	2077.8	2860.0
57.5°	2362.6	2414.1	2398.6	1735.6	2402.5	3636.1	4195.1	3654.4	2179.0	2101.4	2823.7
60°	1925.2	1996.8	2032.4	1498.7	2320.7	3669.2	4273.7	3674.2	2044.3	1789.5	2418.7
62.5°	1279.8	1338.7	1393.0	1070.8	2009.1	3300.9	3779.9	3302.0	1707.4	1335.5	1675.7
65°	627.8	671.5	730.0	633.0	1569.6	2758.1	2947.0	2668.2	1235.1	747.6	854.7
67.5°	164.3	176.6	184.7	245.7	1124.4	1981.6	1922.0	1951.6	793.4	244.3	223.5
70°	85.3	86.0	85.7	101.5	759.9	1259.4	1324.6	1225.6	553.7	102.2	88.1
72.5°	61.0	61.3	60.3	68.4	366.9	721.5	747.6	739.5	290.1	60.6	60.3
75°	39.8	40.2	39.5	40.2	55.3	82.1	75.8	79.7	48.3	38.4	38.4
77.5°	23.6	24.0	23.6	24.3	23.6	23.6	21.9	21.9	20.8	20.8	21.1
80°	15.9	15.9	15.5	16.2	14.8	14.8	14.1	13.7	12.7	12.3	12.3
82.5°	9.5	9.9	9.5	9.5	8.8	8.8	8.1	7.8	6.7	6.7	6.3
85°	4.9	4.9	4.6	4.6	3.9	3.5	2.8	2.8	2.1	1.8	1.8
87.5°	0.7	0.7	0.4	0.4	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°	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2
2.5°	844.9	837.8	827.3	817.0	807.5	797.6	786.4	774.7	764.9	754.6	749.4
5°	896.0	881.5	854.0	829.7	807.9	789.9	770.5	753.9	738.4	725.7	719.4
7.5°	942.2	919.6	878.0	839.6	810.0	785.3	758.5	733.8	713.1	697.5	691.6
10°	984.8	958.0	903.4	854.7	820.2	792.7	759.9	726.4	699.0	678.5	673.6
12.5°	1019.4	988.7	923.5	867.1	826.2	796.6	767.7	738.8	711.6	685.2	681.0
15°	1050.0	1013.7	938.6	874.8	824.1	786.4	762.0	758.5	758.5	728.6	720.1
17.5°	1076.5	1036.6	951.0	878.4	810.7	756.1	741.3	771.9	806.5	785.0	765.9
20°	1106.8	1058.5	961.2	878.4	786.0	717.6	716.2	768.4	819.5	819.9	799.8
22.5°	1137.4	1083.9	973.2	875.2	752.2	673.2	699.3	754.3	799.8	819.1	805.4
25°	1187.1	1119.1	992.2	872.7	712.7	642.9	684.2	735.6	774.0	794.5	785.7
27.5°	1250.2	1165.6	1021.1	876.6	673.6	624.9	667.9	711.3	746.2	764.2	757.8
30°	1320.7	1219.2	1052.1	883.3	645.4	615.8	648.6	683.4	714.5	732.4	729.6
32.5°	1410.6	1277.4	1078.9	874.1	629.5	611.2	628.1	653.1	683.1	694.4	696.8
35°	1518.1	1341.5	1099.4	838.2	615.1	606.3	605.9	621.4	642.6	660.5	662.3
37.5°	1617.1	1416.6	1121.9	776.5	589.0	593.9	579.8	589.0	609.8	627.8	634.8
40°	1715.1	1492.7	1153.3	697.9	554.8	566.4	549.9	556.2	572.8	596.4	607.7
42.5°	1810.3	1561.5	1186.4	617.5	520.6	528.0	515.7	522.0	539.3	568.9	581.6
45°	1913.9	1654.5	1212.2	541.8	491.0	487.8	478.0	487.1	513.2	545.6	560.8
47.5°	2109.9	1801.1	1229.1	491.3	475.1	452.2	440.9	460.7	490.3	523.1	541.4
50°	2349.2	2013.3	1224.1	459.3	461.4	415.6	411.7	437.8	469.5	503.7	523.8
52.5°	2538.9	2221.6	1168.1	428.6	434.6	392.3	381.0	419.1	449.4	484.3	505.1
55°	2683.7	2291.8	996.1	392.3	390.9	375.4	351.8	399.7	429.3	461.7	484.3
57.5°	2565.7	2135.6	738.4	342.3	333.8	341.9	319.0	366.9	404.6	436.7	456.8
60°	2129.3	1702.8	411.3	303.1	279.2	298.9	295.4	332.4	377.9	411.7	429.0
62.5°	1445.5	1133.9	243.9	239.7	226.3	254.5	273.2	297.5	342.3	369.7	386.0
65°	720.5	550.9	162.1	179.4	181.2	209.4	244.6	271.4	308.8	337.0	353.2
67.5°	209.0	171.3	123.4	137.1	156.1	178.7	206.9	238.6	274.9	308.4	327.4
70°	90.2	91.3	98.0	114.2	132.9	156.1	184.3	215.4	246.0	271.8	286.2
72.5°	63.8	66.3	73.7	90.2	107.9	130.1	158.3	188.2	210.4	236.5	251.7
75°	40.9	42.6	48.6	61.3	74.4	95.9	122.7	150.2	173.1	191.7	206.2
77.5°	22.6	22.9	27.8	35.2	44.1	57.8	77.5	99.0	116.0	126.5	139.6
80°	13.0	13.0	15.5	20.1	25.4	33.8	44.8	55.3	65.6	72.3	78.6
82.5°	7.0	7.0	8.1	10.9	13.7	18.7	25.0	30.3	36.7	40.2	44.4
85°	2.1	2.1	2.8	3.9	4.9	7.0	9.9	12.7	15.5	18.0	20.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2
2.5°	748.3	743.4	740.5	737.0	738.1	734.9	733.1	734.2	727.9	734.2	740.5
5°	716.9	709.9	704.2	699.7	697.5	693.3	690.8	690.8	687.0	693.3	701.1
7.5°	689.4	683.8	681.0	678.2	675.0	671.1	666.9	665.5	663.0	669.7	676.4
10°	671.1	671.8	673.6	677.5	676.7	674.3	667.9	664.4	664.4	672.2	682.4
12.5°	679.6	687.0	691.2	698.2	699.7	697.5	691.2	688.4	695.4	707.1	724.0
15°	712.3	717.3	720.8	726.4	726.1	724.3	719.4	721.5	744.8	767.3	782.5
17.5°	747.9	742.3	741.6	745.1	746.2	744.1	741.3	750.8	789.2	810.3	818.1
20°	773.7	754.3	750.1	751.5	754.3	753.2	753.2	768.7	808.6	818.4	808.6
22.5°	781.4	753.9	747.6	747.9	751.8	752.2	753.9	770.2	793.4	793.8	778.6
25°	769.1	742.7	738.1	738.8	743.4	743.0	743.7	752.9	763.1	758.9	747.6
27.5°	745.8	722.9	721.5	725.4	731.4	728.2	726.1	728.6	733.5	728.2	718.3
30°	719.4	700.0	700.7	708.1	714.5	709.2	703.9	705.3	705.7	700.0	688.7
32.5°	691.6	677.1	679.6	687.3	694.7	689.1	683.4	682.7	676.0	669.3	658.4
35°	663.7	658.1	661.2	667.6	673.9	669.3	665.8	663.7	649.3	639.4	630.2
37.5°	638.3	642.6	648.2	652.1	654.2	653.8	651.7	646.8	627.8	616.1	604.1
40°	615.8	628.8	634.8	636.6	639.7	639.0	638.7	631.6	606.6	594.3	580.5
42.5°	595.3	613.7	623.9	625.6	627.4	627.8	626.7	616.5	587.9	573.5	560.4
45°	575.6	599.6	612.6	610.8	613.3	613.3	614.4	601.0	569.6	554.8	541.0
47.5°	558.3	586.5	598.5	596.4	597.8	598.9	599.9	584.4	549.5	535.4	521.3
50°	542.5	572.4	582.6	583.3	583.3	585.8	585.5	570.3	532.6	517.4	503.3
52.5°	525.5	558.0	568.9	573.5	574.9	575.9	571.0	553.4	515.3	497.0	483.9
55°	505.8	543.2	553.0	559.0	561.8	561.1	554.4	536.5	497.7	479.4	464.6
57.5°	475.8	511.4	525.5	528.4	532.9	530.1	522.4	507.2	469.5	451.2	436.0
60°	443.1	468.8	480.1	482.5	479.0	480.1	479.0	464.6	431.8	417.3	401.8
62.5°	400.1	423.0	435.0	438.1	432.1	436.0	434.6	416.6	383.8	368.7	354.9
65°	367.6	392.7	406.8	408.5	406.8	408.5	403.6	381.7	350.7	335.2	321.1
67.5°	342.3	368.0	382.8	387.7	386.0	385.6	377.9	352.5	320.4	303.5	285.5
70°	298.5	321.1	340.1	352.1	352.1	345.4	330.6	307.0	281.3	266.8	252.7
72.5°	264.4	292.9	311.6	323.9	326.4	322.5	301.7	276.7	247.1	232.6	217.8
75°	217.8	245.7	265.8	282.0	285.2	280.9	257.0	232.3	204.8	190.7	175.9
77.5°	145.6	162.1	178.4	193.2	190.0	192.8	176.6	157.9	141.0	130.4	123.7
80°	82.1	93.1	98.0	106.1	106.1	106.1	95.5	86.7	77.2	71.2	64.5
82.5°	46.5	53.6	55.7	62.4	64.2	64.5	57.5	51.8	45.8	42.6	38.1
85°	21.5	25.4	25.7	29.6	31.0	33.8	30.7	26.8	23.3	21.9	19.0
87.5°	0.7	2.1	2.8	5.3	7.0	8.1	8.8	8.8	7.4	6.7	5.6
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-SLR-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2
2.5°	748.3	756.8	766.6	773.7	786.4	796.9	807.9	819.9	828.7	826.6
5°	710.6	724.7	742.7	759.2	782.8	806.8	833.2	860.4	876.2	875.5
7.5°	689.4	709.5	731.4	753.6	781.4	816.0	856.5	898.8	920.3	921.4
10°	700.7	722.2	737.0	755.7	785.0	828.3	877.0	927.7	952.4	957.3
12.5°	736.3	734.6	733.5	746.9	782.1	837.1	896.7	957.3	985.2	991.2
15°	770.2	733.8	712.0	721.2	769.4	842.8	916.1	989.7	1021.1	1027.5
17.5°	776.5	721.5	681.0	687.3	749.4	844.5	934.8	1021.5	1055.3	1061.3
20°	758.9	705.7	658.4	649.6	724.0	839.9	946.4	1047.9	1084.9	1091.3
22.5°	736.7	691.6	641.5	618.6	693.0	835.4	959.4	1075.7	1118.4	1124.0
25°	713.4	673.6	625.6	590.7	657.7	832.5	981.3	1112.4	1163.9	1170.6
27.5°	688.7	651.7	611.9	577.4	625.3	836.1	1012.3	1171.6	1230.1	1239.6
30°	662.3	629.9	603.1	572.8	603.1	839.2	1046.5	1232.2	1301.0	1314.4
32.5°	634.8	609.8	593.9	574.9	589.3	831.8	1076.5	1300.3	1385.6	1397.2
35°	607.3	589.3	582.3	578.8	571.0	804.7	1100.8	1369.0	1482.2	1492.4
37.5°	581.6	568.2	566.1	569.9	542.8	760.3	1129.0	1456.4	1577.0	1592.5
40°	557.6	545.3	544.9	544.2	511.8	699.7	1167.0	1545.2	1670.4	1677.4
42.5°	535.4	519.9	522.7	514.3	486.4	634.1	1203.0	1621.0	1757.4	1762.4
45°	515.7	495.2	498.4	487.8	474.4	565.4	1234.7	1710.6	1867.8	1870.9
47.5°	496.6	474.8	466.0	465.3	472.3	501.9	1265.7	1882.9	2040.5	2046.1
50°	479.0	455.4	430.4	445.9	459.3	454.3	1304.5	2067.6	2218.8	2217.4
52.5°	462.1	431.1	395.5	425.4	425.4	419.1	1293.6	2179.7	2366.2	2390.5
55°	442.7	392.0	359.2	391.2	375.7	387.4	1100.1	2216.4	2458.9	2493.4
57.5°	404.3	343.7	315.1	332.4	309.1	359.2	790.2	2034.5	2301.3	2362.6
60°	367.3	308.1	289.4	286.2	255.9	292.9	512.1	1592.8	1894.2	1925.2
62.5°	323.9	277.4	261.5	237.2	205.8	213.2	310.2	1048.3	1272.8	1279.8
65°	291.1	251.3	221.0	192.1	168.5	154.7	183.3	505.4	636.2	627.8
67.5°	249.9	215.4	186.5	165.7	146.3	129.0	122.0	150.2	169.9	164.3
70°	222.4	189.3	161.4	141.7	123.7	106.4	94.1	88.5	86.7	85.3
72.5°	191.7	162.8	133.9	114.9	98.0	82.1	70.8	64.2	62.4	61.0
75°	153.0	125.8	99.4	81.4	66.6	55.3	47.9	42.3	41.2	39.8
77.5°	101.2	80.7	59.2	48.3	39.5	33.5	28.6	25.0	24.3	23.6
80°	55.7	46.5	36.3	29.3	23.6	20.4	18.7	16.6	16.2	15.9
82.5°	33.1	27.8	20.8	16.6	13.7	12.3	11.3	10.2	9.9	9.5
85°	16.6	13.0	9.2	7.8	7.0	6.3	6.3	5.3	4.9	4.9
87.5°	4.2	3.5	2.1	1.8	1.8	1.8	1.4	1.1	1.1	0.7
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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