

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: P632433

Luminaire Tested: GWS-SA2C-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632433  
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-SA2C-760-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

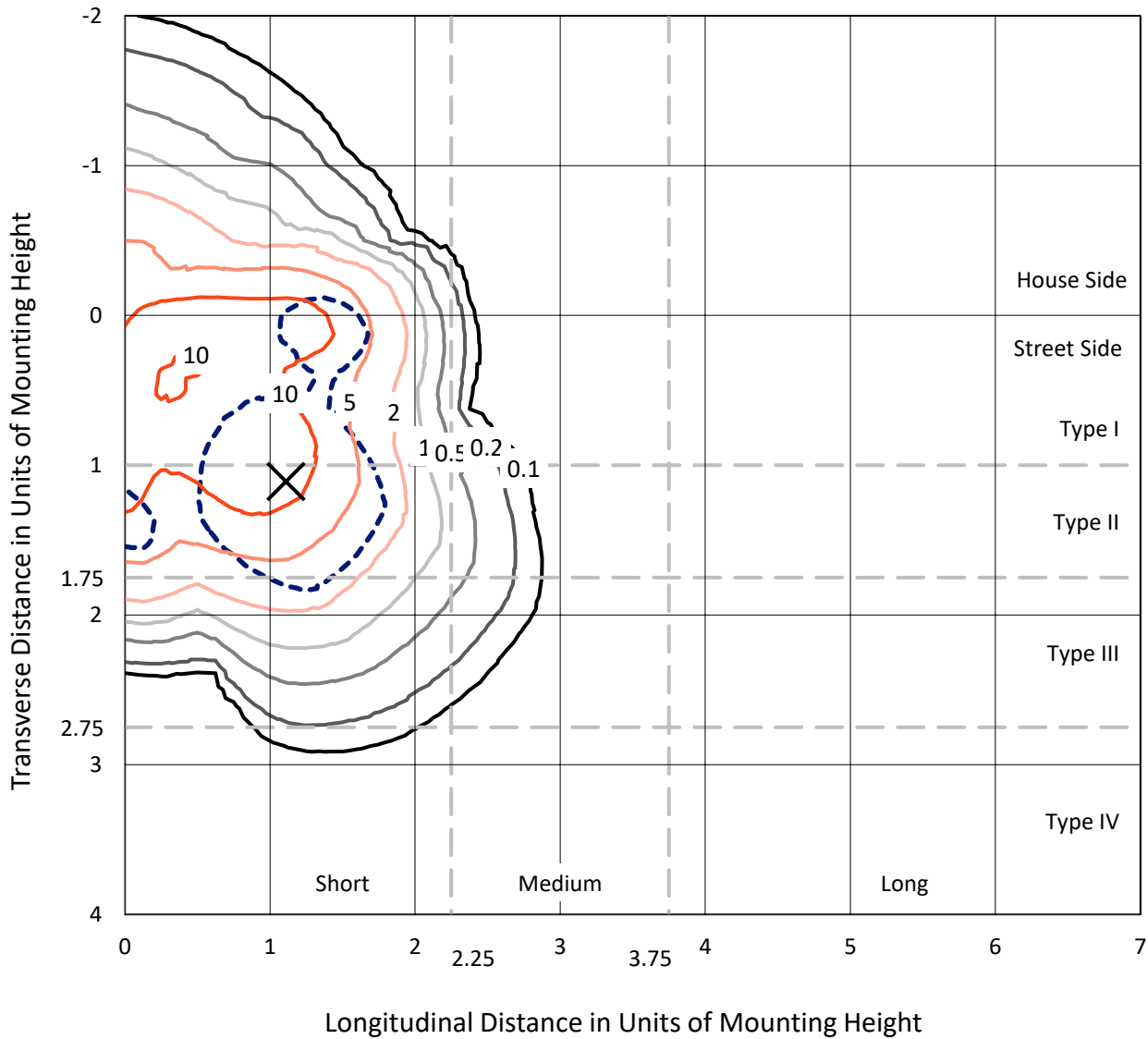
Lumens per Lamp: N/A  
Luminaire Lumens: 4981.6 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

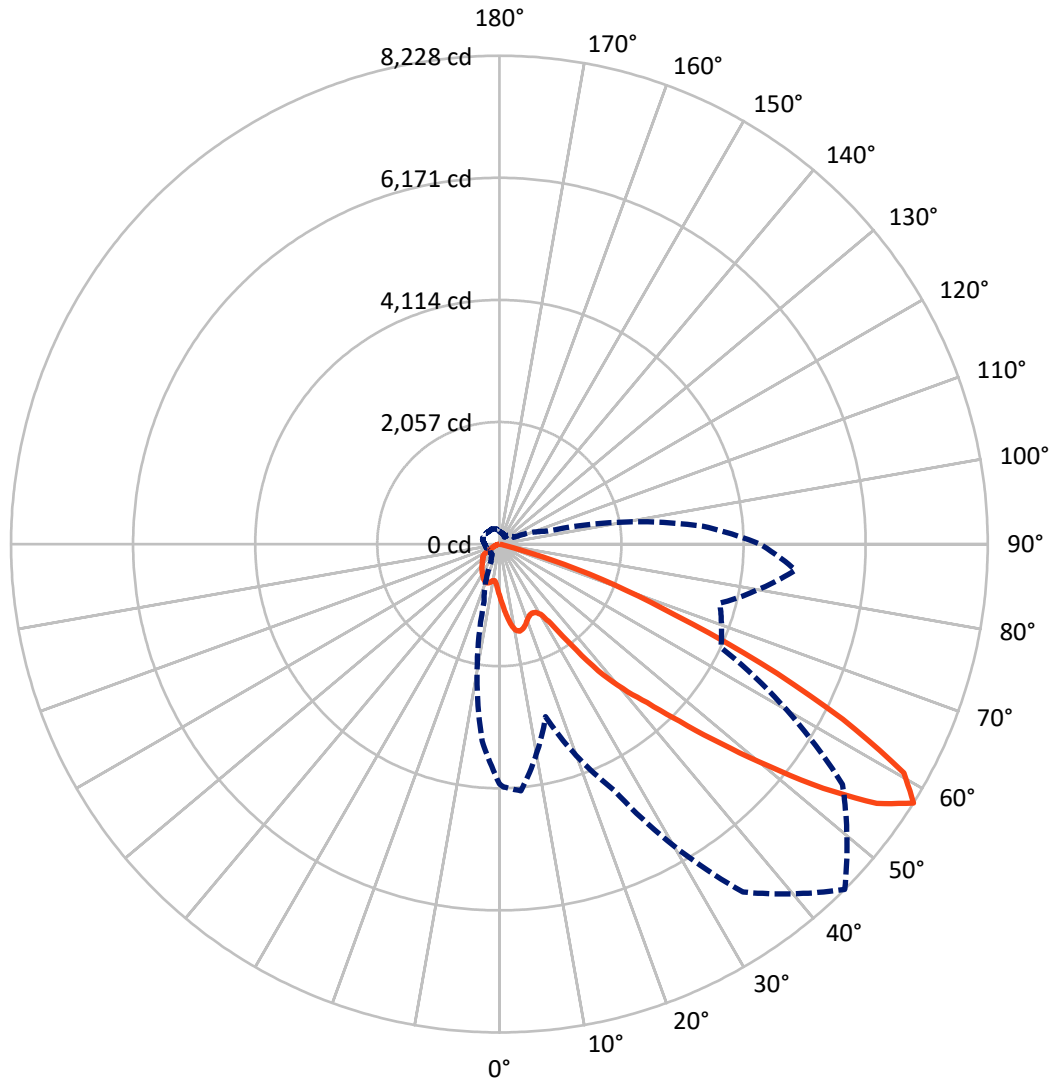
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 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	1115.5	0.0	1115.5
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	3866.1	0.0	3866.1
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	4981.6	0.0	4981.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.1	1.7
10°-20°	278.6	5.6
20°-30°	452.6	9.1
30°-40°	699.4	14.0
40°-50°	1121.5	22.5
50°-60°	1532.8	30.8
60°-70°	742.4	14.9
70°-80°	68.0	1.4
80°-90°	0.2	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°	4981.6	100.0
0°-180°	4981.6	100.0

**Coefficient of Utilization**



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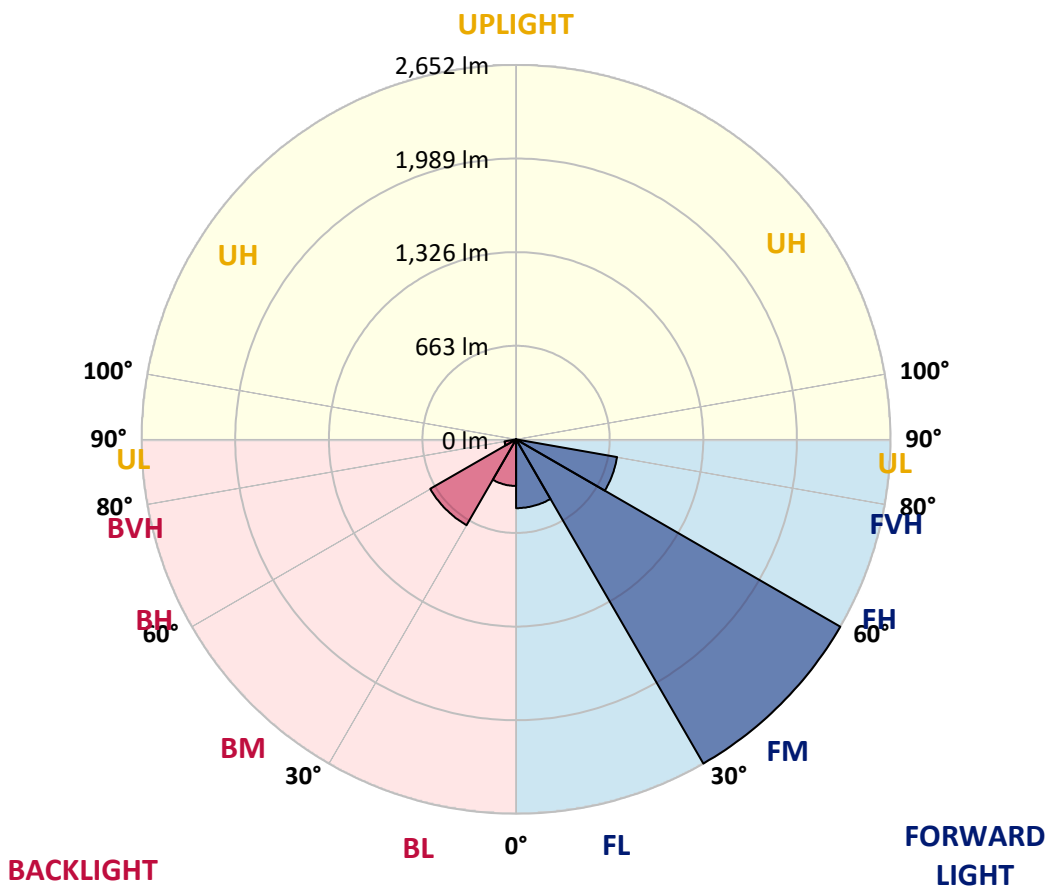
CATALOG NUMBER: GWS-SA2C-760-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.4	9.8			
FM (30°-60°)	2651.8	53.2			
FH (60°-80°)	726.7	14.6			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	330.1	6.6	B1/500		
BM (30°-60°)	701.8	14.1	B1/1000		
BH (60°-80°)	83.6	1.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6
2.5°	948.5	954.6	964.6	986.0	1004.1	1016.1	1021.5	1020.2	1012.8	1007.4	996.7
5°	1050.3	1050.3	1069.7	1118.6	1156.0	1179.5	1191.5	1184.2	1169.4	1146.0	1109.9
7.5°	1139.3	1142.7	1175.5	1245.1	1302.0	1335.4	1354.9	1350.8	1324.7	1279.9	1207.6
10°	1208.9	1212.9	1256.5	1341.5	1408.4	1442.5	1471.3	1474.0	1445.2	1385.6	1302.6
12.5°	1276.5	1280.6	1326.1	1407.7	1466.6	1480.7	1506.1	1516.2	1508.8	1466.6	1380.3
15°	1349.5	1358.9	1397.7	1458.6	1483.4	1466.6	1483.4	1501.5	1526.2	1522.2	1444.6
17.5°	1421.1	1427.8	1467.3	1488.7	1461.3	1417.8	1425.8	1447.2	1503.5	1558.4	1508.1
20°	1487.4	1496.8	1529.6	1501.5	1418.4	1350.8	1351.5	1379.6	1465.3	1580.4	1573.1
22.5°	1557.0	1571.1	1594.5	1515.5	1379.0	1298.0	1301.3	1326.7	1435.2	1601.2	1646.7
25°	1648.1	1661.4	1676.8	1550.3	1366.2	1271.9	1284.6	1308.0	1435.2	1636.7	1737.8
27.5°	1771.2	1780.6	1781.3	1615.3	1388.3	1275.9	1302.6	1329.4	1478.0	1707.6	1859.6
30°	1925.9	1940.6	1921.2	1716.3	1457.3	1329.4	1368.9	1402.4	1570.4	1827.5	2039.0
32.5°	2114.0	2134.7	2108.6	1866.3	1601.2	1514.2	1585.8	1605.2	1717.7	2000.8	2242.5
35°	2334.9	2352.3	2324.1	2073.8	1937.2	1953.3	2083.2	2058.4	2013.5	2214.4	2480.1
37.5°	2577.2	2593.2	2539.0	2388.4	2433.9	2503.5	2711.1	2626.0	2481.5	2489.5	2737.8
40°	2799.4	2816.8	2731.8	2730.5	2824.2	2951.4	3201.7	3084.6	2887.8	2849.6	2979.5
42.5°	3029.7	3041.7	2964.8	2912.5	3125.4	3387.1	3652.2	3494.2	3156.9	3115.4	3282.0
45°	3358.4	3383.8	3246.6	3002.2	3396.5	3888.5	4258.0	3949.4	3340.3	3306.8	3745.3
47.5°	3841.7	3860.4	3580.6	3058.5	3648.9	4513.1	5015.1	4539.8	3501.6	3425.3	4378.5
50°	4241.3	4254.0	3887.9	3120.1	3917.3	5186.5	5878.0	5240.0	3683.0	3621.4	4969.6
52.5°	4535.8	4584.0	4291.5	3246.6	4270.1	5978.4	6833.2	6069.4	3966.2	4000.3	5459.6
55°	4596.7	4662.3	4567.3	3324.2	4580.7	6785.0	7715.5	6811.8	4248.7	4287.5	5624.3
57.5°	4039.8	4092.0	4171.0	3010.9	4573.3	7154.5	8227.5	7058.1	4120.1	3845.0	5007.7
60°	3026.3	3062.5	3205.7	2301.4	4205.8	6827.8	7828.6	6639.1	3602.7	2934.0	3815.6
62.5°	1794.7	1810.7	1992.1	1490.7	3490.9	5880.0	6492.5	5728.7	2846.9	1973.4	2336.9
65°	688.8	682.1	820.7	735.7	2567.1	4683.8	4829.0	4367.1	1953.3	904.4	891.0
67.5°	106.4	101.7	137.2	217.6	1851.5	3245.9	3186.3	3147.5	1223.7	210.9	184.1
70°	24.1	24.1	29.5	64.3	1131.3	1907.1	2041.0	1945.9	783.2	44.8	24.1
72.5°	11.4	11.4	14.1	27.4	409.7	785.9	915.7	901.7	254.4	14.7	8.7
75°	4.0	4.7	4.7	6.0	24.8	40.8	93.7	66.9	16.1	0.0	0.0
77.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.7	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°	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6
2.5°	973.3	968.6	951.2	927.8	905.0	884.9	864.2	839.4	821.3	800.6	793.9
5°	1081.7	1052.3	1004.8	955.2	909.7	870.9	833.4	793.2	763.8	734.3	724.3
7.5°	1173.5	1129.9	1053.0	978.7	916.4	861.5	807.3	752.4	709.6	674.8	664.0
10°	1255.8	1205.6	1102.5	1010.8	932.5	868.9	803.3	734.3	678.8	637.3	627.2
12.5°	1326.7	1268.5	1144.7	1034.9	939.2	866.2	802.6	747.7	697.5	650.0	637.3
15°	1386.3	1322.1	1180.1	1051.0	929.1	832.7	777.2	768.5	764.4	712.2	687.5
17.5°	1444.6	1372.3	1208.9	1058.3	901.0	773.8	733.7	773.2	815.3	781.2	749.7
20°	1505.5	1423.1	1238.4	1059.7	854.1	707.6	700.9	763.1	816.7	806.0	776.5
22.5°	1577.1	1486.7	1275.2	1059.0	795.2	651.3	676.8	743.7	787.2	786.5	763.1
25°	1680.9	1567.1	1324.7	1063.0	731.0	607.8	650.0	710.9	746.4	745.0	725.6
27.5°	1792.0	1662.8	1389.0	1073.0	676.1	582.4	618.5	666.0	696.8	695.5	678.8
30°	1947.9	1773.2	1450.6	1073.7	636.6	569.0	583.7	616.5	646.0	642.6	629.9
32.5°	2137.4	1897.7	1502.1	1035.6	611.8	556.3	547.6	564.3	587.1	582.4	579.0
35°	2366.3	2045.7	1546.3	951.9	573.7	530.8	507.4	510.7	526.8	529.5	528.2
37.5°	2627.4	2221.7	1601.2	841.4	522.1	494.0	462.6	459.9	469.2	477.9	484.6
40°	2885.1	2419.9	1675.5	729.6	475.3	447.2	417.0	410.3	414.4	429.8	443.8
42.5°	3174.9	2649.5	1755.8	633.9	443.1	395.6	366.8	354.1	365.5	390.3	407.0
45°	3592.6	2971.4	1834.1	557.6	429.8	350.1	311.3	309.9	322.6	354.8	373.5
47.5°	4179.0	3387.8	1885.7	498.0	429.1	314.6	268.4	276.5	291.2	322.6	344.1
50°	4750.7	3909.3	1828.8	452.5	415.0	291.2	236.3	252.4	267.1	294.5	316.6
52.5°	5095.4	4189.7	1607.2	409.7	371.5	280.5	204.8	232.9	235.6	260.4	283.8
55°	5059.3	4008.3	1231.0	343.4	307.3	265.1	172.0	210.2	211.5	230.3	250.4
57.5°	4391.2	3441.4	845.4	278.5	230.9	218.9	141.9	177.4	190.1	201.5	216.2
60°	3272.7	2510.9	376.9	226.3	146.6	147.9	121.2	133.9	153.3	166.7	179.4
62.5°	1928.5	1444.6	153.3	135.9	81.0	93.0	97.7	97.7	109.8	119.8	127.9
65°	729.0	505.4	62.3	68.3	42.2	43.5	57.6	71.0	80.3	89.0	99.7
67.5°	127.9	88.4	32.1	25.4	24.8	22.1	29.5	46.2	51.5	58.2	62.9
70°	21.4	18.1	13.4	12.7	11.4	12.0	19.4	32.8	36.1	38.2	40.2
72.5°	6.0	5.4	4.0	3.3	2.7	3.3	12.0	25.4	26.8	28.1	30.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	18.1	19.4	20.1	22.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.4	6.7	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





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6
2.5°	789.9	776.5	769.1	765.1	765.1	759.8	753.7	751.7	760.4	760.4	775.2
5°	711.6	700.9	688.8	681.4	670.1	672.1	665.4	664.7	673.4	677.4	692.8
7.5°	657.3	644.0	636.6	631.9	625.9	623.2	617.2	615.2	619.9	626.6	641.3
10°	621.2	619.2	618.5	621.9	621.9	618.5	613.2	609.8	611.2	623.9	640.6
12.5°	630.6	634.6	635.9	641.3	644.0	641.3	637.3	638.6	647.3	670.7	695.5
15°	671.4	668.1	666.7	669.4	671.4	668.7	667.4	677.4	707.6	741.0	769.1
17.5°	714.9	693.5	684.1	684.1	685.5	684.1	685.5	704.9	753.7	787.2	808.0
20°	737.0	697.5	682.8	679.4	682.1	682.8	687.5	709.6	763.1	786.5	791.2
22.5°	730.3	680.8	664.0	661.4	664.0	666.7	671.4	690.1	740.4	752.4	750.4
25°	696.8	648.0	634.6	634.6	640.6	639.9	642.0	655.3	696.8	704.2	700.9
27.5°	654.7	608.5	597.1	603.8	609.2	607.8	608.5	619.9	650.7	652.7	649.3
30°	611.8	571.7	561.0	569.0	576.3	575.0	575.7	587.1	606.5	604.5	599.8
32.5°	568.3	538.9	530.8	535.5	546.9	545.6	548.2	560.3	567.6	558.9	553.6
35°	528.2	512.8	506.7	509.4	518.1	520.1	524.8	532.8	532.8	522.1	512.8
37.5°	490.7	488.7	484.6	481.3	489.3	495.4	502.0	511.4	498.0	482.6	473.9
40°	455.9	464.6	459.2	450.5	455.2	463.9	477.3	484.6	468.6	453.2	438.5
42.5°	423.7	438.5	436.4	425.7	429.8	437.8	453.2	459.2	440.5	423.1	409.0
45°	392.9	413.7	415.0	401.6	405.7	413.7	431.8	433.8	409.7	390.9	380.9
47.5°	366.2	388.9	389.6	379.5	380.9	392.3	409.0	409.7	382.2	364.8	352.1
50°	340.7	366.8	368.8	360.1	361.5	374.9	388.9	386.2	356.8	338.7	327.3
52.5°	309.9	345.4	350.1	346.1	351.4	362.1	370.8	361.5	327.3	309.3	299.2
55°	276.5	322.6	332.7	330.0	336.0	344.7	346.7	340.7	297.9	279.8	270.4
57.5°	237.6	265.8	283.2	277.8	282.5	291.2	297.2	292.5	260.4	246.3	238.3
60°	196.8	215.5	219.6	210.9	206.8	222.2	236.3	230.3	202.8	194.1	184.8
62.5°	143.9	165.3	168.0	156.6	152.0	168.7	180.7	174.7	144.6	135.2	127.9
65°	115.1	135.2	140.6	129.9	127.2	139.9	147.3	132.5	111.1	101.1	93.0
67.5°	75.6	91.7	105.8	105.1	99.7	103.8	98.4	86.4	71.0	65.6	60.2
70°	46.9	56.2	64.9	68.3	67.6	66.3	58.9	50.2	45.5	43.5	40.8
72.5°	36.1	45.5	52.2	54.2	54.9	52.9	46.9	38.8	34.1	31.5	29.5
75°	26.8	34.1	39.5	42.2	43.5	42.2	36.1	30.8	26.1	24.1	22.1
77.5°	9.4	11.4	14.1	15.4	14.7	14.1	12.7	12.7	10.0	9.4	8.0
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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 CATALOG NUMBER: GWS-SA2C-760-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6	875.6
2.5°	791.9	803.9	826.0	846.1	867.5	889.6	913.7	938.5	949.9	948.5
5°	716.3	742.4	778.5	818.0	862.2	909.7	962.6	1016.8	1040.2	1050.3
7.5°	668.7	705.5	753.1	803.3	861.5	929.1	1008.8	1093.8	1127.9	1139.3
10°	674.8	717.6	757.1	806.0	868.2	955.9	1055.0	1156.0	1196.2	1208.9
12.5°	723.6	733.0	743.7	783.9	862.2	976.0	1097.1	1217.6	1263.8	1276.5
15°	767.8	724.3	704.2	741.0	840.8	990.0	1140.0	1283.9	1334.8	1349.5
17.5°	769.8	704.2	659.4	688.1	806.0	996.1	1182.2	1351.5	1407.1	1421.1
20°	745.0	682.1	624.5	625.2	758.4	994.7	1217.0	1412.4	1474.7	1487.4
22.5°	708.9	656.0	596.4	575.7	707.6	992.0	1255.1	1477.4	1545.0	1557.0
25°	668.7	622.5	569.7	538.2	656.7	994.7	1308.7	1562.4	1636.7	1648.1
27.5°	625.2	585.7	548.9	523.5	613.8	1004.8	1372.9	1670.8	1759.2	1771.2
30°	579.7	550.2	535.5	520.1	587.1	1007.4	1442.5	1797.3	1909.1	1925.9
32.5°	534.8	518.8	519.5	522.1	561.6	988.7	1506.1	1937.9	2087.2	2114.0
35°	493.3	488.7	502.0	515.4	524.8	940.5	1561.7	2103.9	2307.4	2334.9
37.5°	457.9	461.9	478.6	492.0	484.6	872.2	1635.3	2311.4	2553.7	2577.2
40°	423.7	433.8	453.2	459.2	453.9	792.6	1723.7	2511.6	2767.3	2799.4
42.5°	392.3	399.6	427.1	428.4	445.1	711.6	1808.7	2727.1	3013.0	3029.7
45°	366.8	365.5	393.6	402.3	456.5	621.9	1891.7	3014.3	3334.3	3358.4
47.5°	342.1	340.7	347.4	386.9	461.2	538.9	1974.0	3434.7	3800.2	3841.7
50°	318.6	320.6	299.9	379.5	435.8	475.3	2011.5	3823.6	4223.9	4241.3
52.5°	297.9	290.5	254.4	355.4	381.6	415.0	1905.1	4000.3	4486.3	4535.8
55°	268.4	227.6	209.5	288.5	301.2	362.1	1560.4	3897.9	4509.0	4596.7
57.5°	229.6	178.7	178.1	212.9	212.9	336.0	999.4	3330.2	3885.8	4039.8
60°	176.7	138.6	147.3	147.9	136.6	245.0	561.0	2412.5	2873.0	3026.3
62.5°	125.8	105.8	111.1	88.4	78.3	122.5	269.1	1389.0	1773.2	1794.7
65°	84.3	71.6	58.2	48.9	48.2	52.2	111.1	502.0	610.5	688.8
67.5°	55.6	43.5	30.8	30.8	34.8	34.8	42.2	83.0	116.5	106.4
70°	36.1	30.1	19.4	18.7	22.8	22.8	21.4	22.8	24.1	24.1
72.5°	26.8	22.8	11.4	10.0	12.7	13.4	12.0	11.4	11.4	11.4
75°	20.1	16.1	6.7	4.7	6.0	8.0	6.7	4.7	4.7	4.0
77.5°	8.0	6.0	2.7	2.0	3.3	4.7	4.0	2.0	1.3	1.3
80°	0.7	1.3	1.3	1.3	2.0	2.7	3.3	1.3	0.7	0.7
82.5°	0.0	0.7	0.7	0.7	1.3	2.0	2.7	1.3	0.7	0.7
85°	0.0	0.0	0.0	0.0	1.3	2.0	1.3	0.7	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.7	2.0	1.3	0.7	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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