

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: P634413

Luminaire Tested: GWS-SA3B-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634413  
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-SA3B-760-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

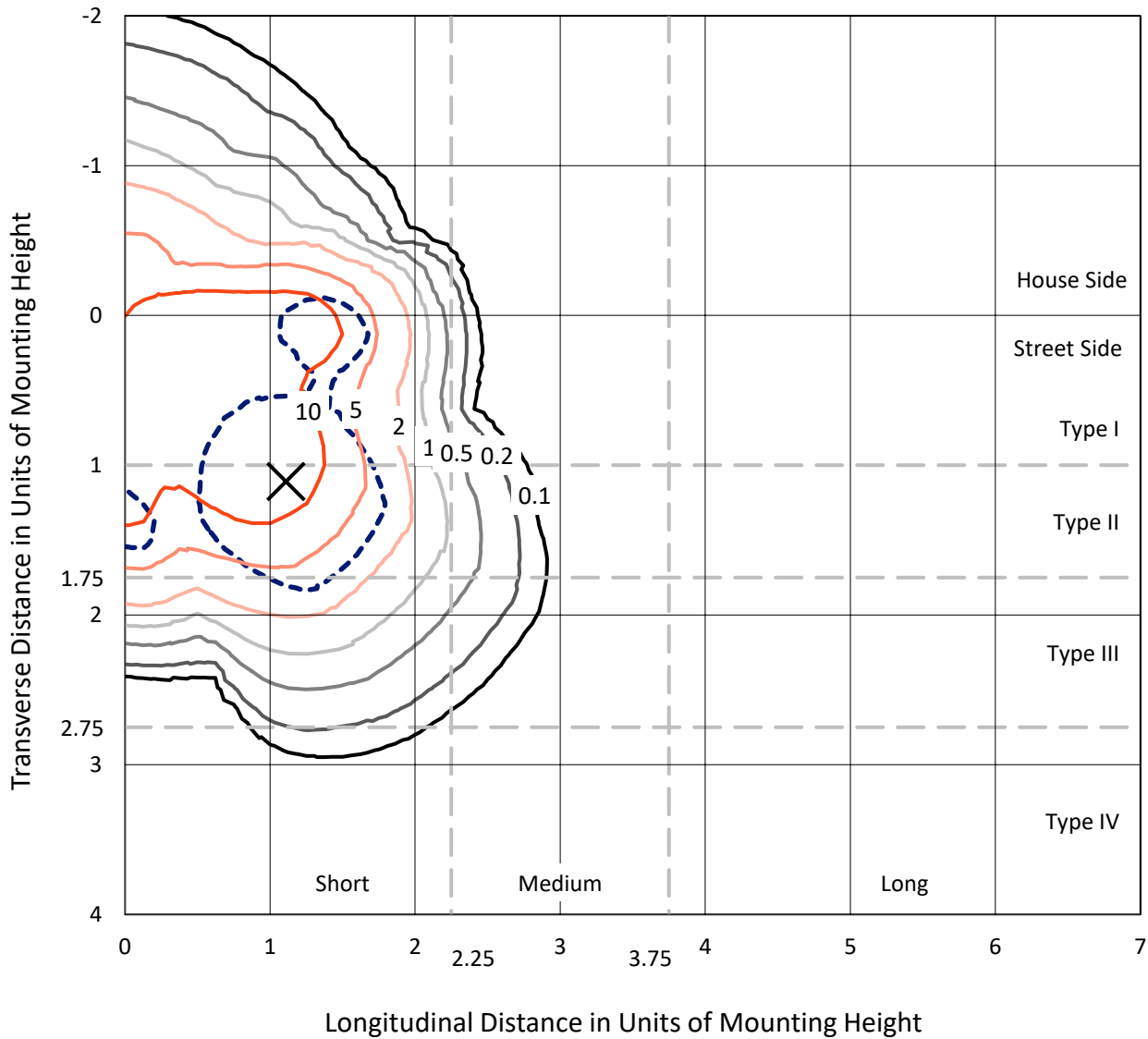
Lumens per Lamp: N/A  
Luminaire Lumens: 5598.5 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

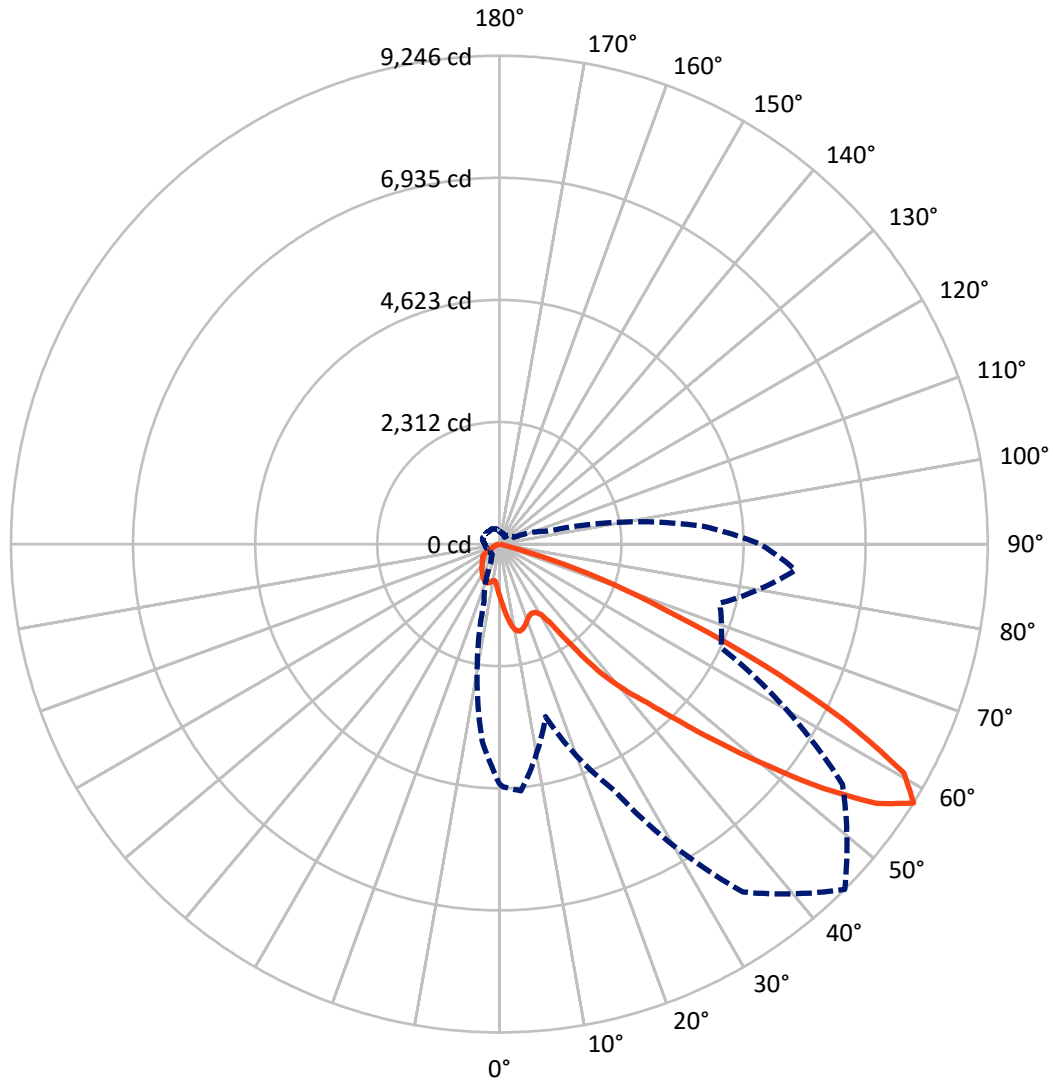
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.5 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	1253.7	0.0	1253.7
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	4344.9	0.0	4344.9
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	5598.5	0.0	5598.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.8	1.7
10°-20°	313.1	5.6
20°-30°	508.7	9.1
30°-40°	786.0	14.0
40°-50°	1260.4	22.5
50°-60°	1722.6	30.8
60°-70°	834.3	14.9
70°-80°	76.4	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°	5598.5	100.0
0°-180°	5598.5	100.0

**Coefficient of Utilization**



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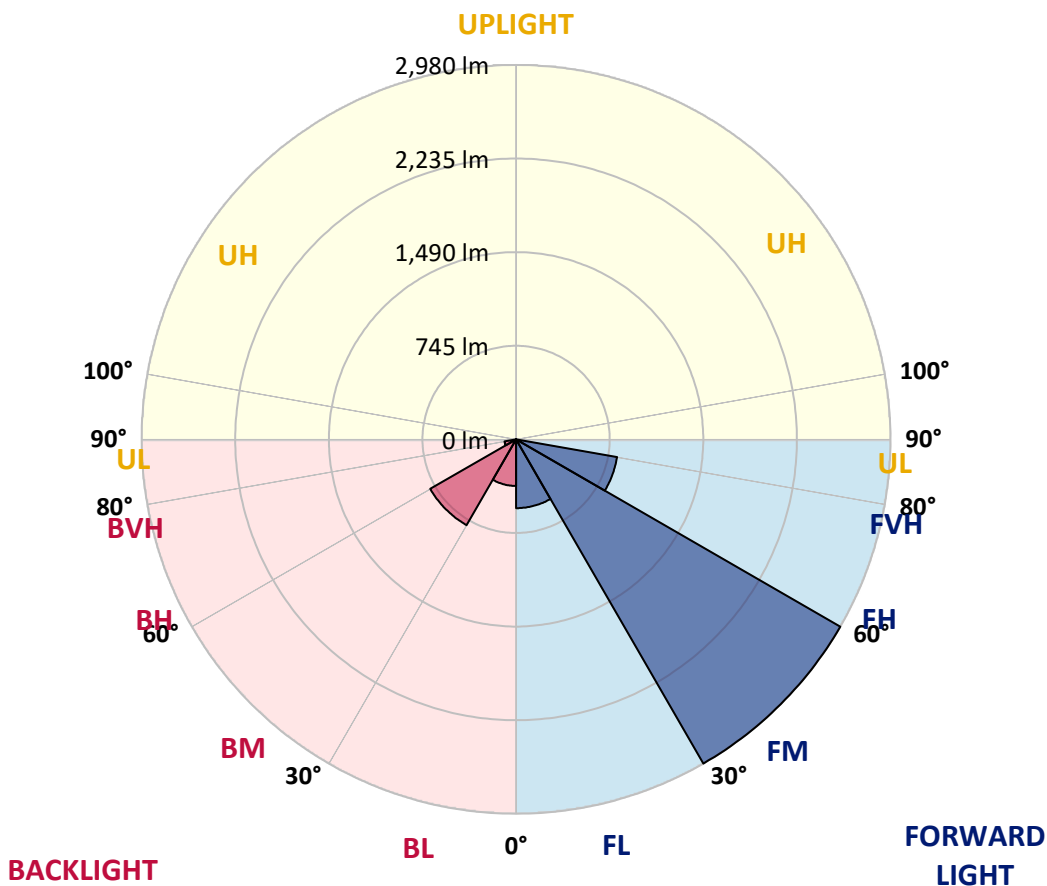
CATALOG NUMBER: GWS-SA3B-760-U-SLR-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.7	9.8			
FM (30°-60°)	2980.2	53.2			
FH (60°-80°)	816.7	14.6			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	370.9	6.6	B1/500		
BM (30°-60°)	788.7	14.1	B1/1000		
BH (60°-80°)	94.0	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°	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0
2.5°	1066.0	1072.8	1084.1	1108.1	1128.4	1142.0	1148.0	1146.5	1138.2	1132.2	1120.2
5°	1180.3	1180.3	1202.2	1257.1	1299.2	1325.5	1339.1	1330.8	1314.3	1287.9	1247.3
7.5°	1280.4	1284.2	1321.0	1399.3	1463.2	1500.8	1522.6	1518.1	1488.8	1438.4	1357.1
10°	1358.6	1363.2	1412.0	1507.6	1582.8	1621.2	1653.5	1656.5	1624.2	1557.2	1464.0
12.5°	1434.6	1439.1	1490.3	1582.1	1648.3	1664.1	1692.7	1703.9	1695.7	1648.3	1551.2
15°	1516.6	1527.2	1570.8	1639.2	1667.1	1648.3	1667.1	1687.4	1715.2	1710.7	1623.4
17.5°	1597.1	1604.6	1649.0	1673.1	1642.3	1593.4	1602.4	1626.5	1689.6	1751.3	1694.9
20°	1671.6	1682.1	1719.0	1687.4	1594.1	1518.1	1518.9	1550.5	1646.8	1776.2	1767.9
22.5°	1749.8	1765.6	1792.0	1703.2	1549.7	1458.7	1462.5	1491.0	1612.9	1799.5	1850.6
25°	1852.1	1867.2	1884.5	1742.3	1535.4	1429.4	1443.6	1470.0	1612.9	1839.4	1952.9
27.5°	1990.6	2001.1	2001.8	1815.3	1560.3	1433.9	1464.0	1494.0	1661.1	1919.1	2089.9
30°	2164.3	2180.9	2159.1	1928.9	1637.7	1494.0	1538.4	1576.0	1764.9	2053.8	2291.5
32.5°	2375.7	2399.1	2369.7	2097.4	1799.5	1701.7	1782.2	1804.0	1930.4	2248.6	2520.2
35°	2624.0	2643.6	2612.0	2330.6	2177.1	2195.2	2341.1	2313.3	2262.9	2488.6	2787.2
37.5°	2896.3	2914.4	2853.4	2684.2	2735.3	2813.6	3046.8	2951.2	2788.7	2797.8	3076.9
40°	3146.1	3165.6	3070.1	3068.6	3173.9	3316.9	3598.2	3466.6	3245.4	3202.5	3348.4
42.5°	3404.9	3418.4	3331.9	3273.2	3512.4	3806.6	4104.5	3927.0	3547.8	3501.2	3688.5
45°	3774.2	3802.8	3648.6	3374.0	3817.1	4370.1	4785.3	4438.5	3753.9	3716.3	4209.1
47.5°	4317.4	4338.5	4024.0	3437.2	4100.7	5071.9	5636.2	5102.0	3935.2	3849.5	4920.7
50°	4766.5	4780.8	4369.3	3506.4	4402.4	5828.7	6605.9	5888.9	4139.1	4069.9	5585.0
52.5°	5097.5	5151.7	4822.9	3648.6	4798.9	6718.7	7679.4	6821.0	4457.3	4495.7	6135.7
55°	5166.0	5239.7	5132.9	3735.9	5147.9	7625.2	8670.9	7655.3	4774.8	4818.4	6320.7
57.5°	4540.1	4598.8	4687.5	3383.8	5139.7	8040.5	9246.4	7932.2	4630.4	4321.2	5627.9
60°	3401.1	3441.7	3602.7	2586.4	4726.6	7673.4	8798.0	7461.2	4048.8	3297.3	4288.1
62.5°	2016.9	2034.9	2238.8	1675.4	3923.2	6608.1	7296.5	6438.1	3199.5	2217.8	2626.2
65°	774.1	766.6	922.3	826.8	2885.0	5263.8	5427.0	4907.9	2195.2	1016.3	1001.3
67.5°	119.6	114.3	154.2	244.5	2080.8	3647.9	3580.9	3537.3	1375.2	237.0	206.9
70°	27.1	27.1	33.1	72.2	1271.4	2143.3	2293.7	2186.9	880.2	50.4	27.1
72.5°	12.8	12.8	15.8	30.8	460.4	883.2	1029.1	1013.3	285.9	16.6	9.8
75°	4.5	5.3	5.3	6.8	27.8	45.9	105.3	75.2	18.1	0.0	0.0
77.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.8	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°	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0
2.5°	1093.8	1088.6	1069.0	1042.7	1017.1	994.5	971.2	943.4	923.1	899.7	892.2
5°	1215.7	1182.6	1129.2	1073.5	1022.4	978.7	936.6	891.5	858.4	825.3	814.0
7.5°	1318.8	1269.9	1183.4	1099.8	1029.9	968.2	907.3	845.6	797.4	758.3	746.3
10°	1411.3	1354.9	1239.0	1136.0	1047.9	976.5	902.7	825.3	762.8	716.2	704.9
12.5°	1491.0	1425.6	1286.4	1163.0	1055.5	973.5	902.0	840.3	783.9	730.5	716.2
15°	1558.0	1485.8	1326.3	1181.1	1044.2	935.8	873.4	863.6	859.1	800.4	772.6
17.5°	1623.4	1542.2	1358.6	1189.4	1012.6	869.6	824.5	868.9	916.3	877.9	842.6
20°	1691.9	1599.4	1391.7	1190.9	959.9	795.2	787.6	857.6	917.8	905.8	872.7
22.5°	1772.4	1670.8	1433.1	1190.1	893.7	732.0	760.6	835.8	884.7	883.9	857.6
25°	1889.0	1761.1	1488.8	1194.6	821.5	683.1	730.5	798.9	838.8	837.3	815.5
27.5°	2013.9	1868.7	1561.0	1205.9	759.8	654.5	695.1	748.5	783.1	781.6	762.8
30°	2189.2	1992.8	1630.2	1206.7	715.4	639.4	656.0	692.9	726.0	722.2	707.9
32.5°	2402.1	2132.7	1688.1	1163.8	687.6	625.2	615.4	634.2	659.8	654.5	650.7
35°	2659.3	2299.0	1737.8	1069.8	644.7	596.6	570.2	574.0	592.1	595.1	593.6
37.5°	2952.7	2496.9	1799.5	945.6	586.8	555.2	519.8	516.8	527.4	537.1	544.7
40°	3242.4	2719.5	1883.0	820.0	534.1	502.5	468.7	461.2	465.7	483.0	498.8
42.5°	3568.1	2977.6	1973.3	712.4	498.0	444.6	412.3	398.0	410.8	438.6	457.4
45°	4037.5	3339.4	2061.3	626.7	483.0	393.4	349.8	348.3	362.6	398.7	419.8
47.5°	4696.6	3807.3	2119.2	559.7	482.2	353.6	301.7	310.7	327.2	362.6	386.7
50°	5339.0	4393.4	2055.3	508.5	466.4	327.2	265.6	283.6	300.2	331.0	355.8
52.5°	5726.4	4708.6	1806.3	460.4	417.5	315.2	230.2	261.8	264.8	292.6	319.0
55°	5685.8	4504.7	1383.5	385.9	345.3	297.9	193.3	236.2	237.7	258.8	281.4
57.5°	4935.0	3867.5	950.1	313.0	259.5	246.0	159.5	199.4	213.7	226.4	243.0
60°	3678.0	2821.8	423.5	254.3	164.8	166.3	136.2	150.5	172.3	187.3	201.6
62.5°	2167.4	1623.4	172.3	152.7	91.0	104.6	109.8	109.8	123.4	134.7	143.7
65°	819.2	568.0	70.0	76.7	47.4	48.9	64.7	79.7	90.3	100.1	112.1
67.5°	143.7	99.3	36.1	28.6	27.8	24.8	33.1	51.9	57.9	65.4	70.7
70°	24.1	20.3	15.0	14.3	12.8	13.5	21.8	36.9	40.6	42.9	45.1
72.5°	6.8	6.0	4.5	3.8	3.0	3.8	13.5	28.6	30.1	31.6	33.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	5.3	20.3	21.8	22.6	24.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	6.0	7.5	6.0
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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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0
2.5°	887.7	872.7	864.4	859.9	859.9	853.9	847.1	844.8	854.6	854.6	871.2
5°	799.7	787.6	774.1	765.8	753.0	755.3	747.8	747.0	756.8	761.3	778.6
7.5°	738.7	723.7	715.4	710.2	703.4	700.4	693.6	691.4	696.6	704.1	720.7
10°	698.1	695.9	695.1	698.9	698.9	695.1	689.1	685.3	686.8	701.1	719.9
12.5°	708.7	713.2	714.7	720.7	723.7	720.7	716.2	717.7	727.5	753.8	781.6
15°	754.5	750.8	749.3	752.3	754.5	751.5	750.0	761.3	795.2	832.8	864.4
17.5°	803.4	779.4	768.8	768.8	770.3	768.8	770.3	792.2	847.1	884.7	908.0
20°	828.3	783.9	767.3	763.6	766.6	767.3	772.6	797.4	857.6	883.9	889.2
22.5°	820.7	765.1	746.3	743.3	746.3	749.3	754.5	775.6	832.0	845.6	843.3
25°	783.1	728.2	713.2	713.2	719.9	719.2	721.4	736.5	783.1	791.4	787.6
27.5°	735.7	683.8	671.0	678.6	684.6	683.1	683.8	696.6	731.2	733.5	729.7
30°	687.6	642.5	630.4	639.4	647.7	646.2	647.0	659.8	681.6	679.3	674.1
32.5°	638.7	605.6	596.6	601.8	614.6	613.1	616.1	629.7	637.9	628.2	622.1
35°	593.6	576.3	569.5	572.5	582.3	584.5	589.8	598.8	598.8	586.8	576.3
37.5°	551.4	549.2	544.7	540.9	549.9	556.7	564.2	574.8	559.7	542.4	532.6
40°	512.3	522.1	516.1	506.3	511.6	521.3	536.4	544.7	526.6	509.3	492.8
42.5°	476.2	492.8	490.5	478.5	483.0	492.0	509.3	516.1	495.0	475.4	459.6
45°	441.6	464.9	466.4	451.4	455.9	464.9	485.2	487.5	460.4	439.3	428.1
47.5°	411.5	437.1	437.8	426.5	428.1	440.8	459.6	460.4	429.6	410.0	395.7
50°	382.9	412.3	414.5	404.7	406.2	421.3	437.1	434.1	401.0	380.7	367.9
52.5°	348.3	388.2	393.4	388.9	395.0	407.0	416.8	406.2	367.9	347.6	336.3
55°	310.7	362.6	373.9	370.9	377.7	387.4	389.7	382.9	334.8	314.5	303.9
57.5°	267.1	298.7	318.2	312.2	317.5	327.2	334.0	328.8	292.6	276.8	267.8
60°	221.2	242.2	246.8	237.0	232.5	249.8	265.6	258.8	227.9	218.2	207.6
62.5°	161.7	185.8	188.8	176.0	170.8	189.6	203.1	196.3	162.5	152.0	143.7
65°	129.4	152.0	158.0	145.9	142.9	157.2	165.5	149.0	124.9	113.6	104.6
67.5°	85.0	103.1	118.9	118.1	112.1	116.6	110.6	97.0	79.7	73.7	67.7
70°	52.7	63.2	73.0	76.7	76.0	74.5	66.2	56.4	51.2	48.9	45.9
72.5°	40.6	51.2	58.7	60.9	61.7	59.4	52.7	43.6	38.4	35.4	33.1
75°	30.1	38.4	44.4	47.4	48.9	47.4	40.6	34.6	29.3	27.1	24.8
77.5°	10.5	12.8	15.8	17.3	16.6	15.8	14.3	14.3	11.3	10.5	9.0
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-SA3B-760-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0	984.0
2.5°	890.0	903.5	928.3	950.9	975.0	999.8	1026.9	1054.7	1067.5	1066.0
5°	805.0	834.3	874.9	919.3	969.0	1022.4	1081.8	1142.7	1169.1	1180.3
7.5°	751.5	792.9	846.3	902.7	968.2	1044.2	1133.7	1229.2	1267.6	1280.4
10°	758.3	806.5	850.8	905.8	975.7	1074.3	1185.6	1299.2	1344.3	1358.6
12.5°	813.2	823.8	835.8	880.9	969.0	1096.8	1233.0	1368.4	1420.3	1434.6
15°	862.9	814.0	791.4	832.8	944.9	1112.6	1281.2	1442.9	1500.1	1516.6
17.5°	865.1	791.4	741.0	773.4	905.8	1119.4	1328.5	1518.9	1581.3	1597.1
20°	837.3	766.6	701.9	702.6	852.3	1117.9	1367.7	1587.3	1657.3	1671.6
22.5°	796.7	737.2	670.3	647.0	795.2	1114.9	1410.5	1660.3	1736.3	1749.8
25°	751.5	699.6	640.2	604.8	738.0	1117.9	1470.7	1755.8	1839.4	1852.1
27.5°	702.6	658.3	616.9	588.3	689.9	1129.2	1542.9	1877.7	1977.0	1990.6
30°	651.5	618.4	601.8	584.5	659.8	1132.2	1621.2	2019.9	2145.5	2164.3
32.5°	601.1	583.0	583.8	586.8	631.2	1111.1	1692.7	2177.9	2345.6	2375.7
35°	554.4	549.2	564.2	579.3	589.8	1057.0	1755.1	2364.5	2593.1	2624.0
37.5°	514.6	519.1	537.9	552.9	544.7	980.2	1837.8	2597.7	2870.0	2896.3
40°	476.2	487.5	509.3	516.1	510.1	890.7	1937.1	2822.6	3110.0	3146.1
42.5°	440.8	449.1	480.0	481.5	500.3	799.7	2032.7	3064.8	3386.1	3404.9
45°	412.3	410.8	442.3	452.1	513.1	698.9	2126.0	3387.6	3747.2	3774.2
47.5°	384.4	382.9	390.4	434.8	518.3	605.6	2218.5	3860.0	4270.8	4317.4
50°	358.1	360.3	337.0	426.5	489.7	534.1	2260.6	4297.1	4747.0	4766.5
52.5°	334.8	326.5	285.9	399.5	428.8	466.4	2141.0	4495.7	5041.9	5097.5
55°	301.7	255.8	235.5	324.2	338.5	407.0	1753.6	4380.6	5067.4	5166.0
57.5°	258.0	200.9	200.1	239.2	239.2	377.7	1123.2	3742.6	4367.0	4540.1
60°	198.6	155.7	165.5	166.3	153.5	275.3	630.4	2711.3	3228.8	3401.1
62.5°	141.4	118.9	124.9	99.3	88.0	137.7	302.4	1561.0	1992.8	2016.9
65°	94.8	80.5	65.4	54.9	54.2	58.7	124.9	564.2	686.1	774.1
67.5°	62.4	48.9	34.6	34.6	39.1	39.1	47.4	93.3	130.9	119.6
70°	40.6	33.9	21.8	21.1	25.6	25.6	24.1	25.6	27.1	27.1
72.5°	30.1	25.6	12.8	11.3	14.3	15.0	13.5	12.8	12.8	12.8
75°	22.6	18.1	7.5	5.3	6.8	9.0	7.5	5.3	5.3	4.5
77.5°	9.0	6.8	3.0	2.3	3.8	5.3	4.5	2.3	1.5	1.5
80°	0.8	1.5	1.5	1.5	2.3	3.0	3.8	1.5	0.8	0.8
82.5°	0.0	0.8	0.8	0.8	1.5	2.3	3.0	1.5	0.8	0.8
85°	0.0	0.0	0.0	0.0	1.5	2.3	1.5	0.8	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.8	2.3	1.5	0.8	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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