

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: P634409

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634409  
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-SA3B-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

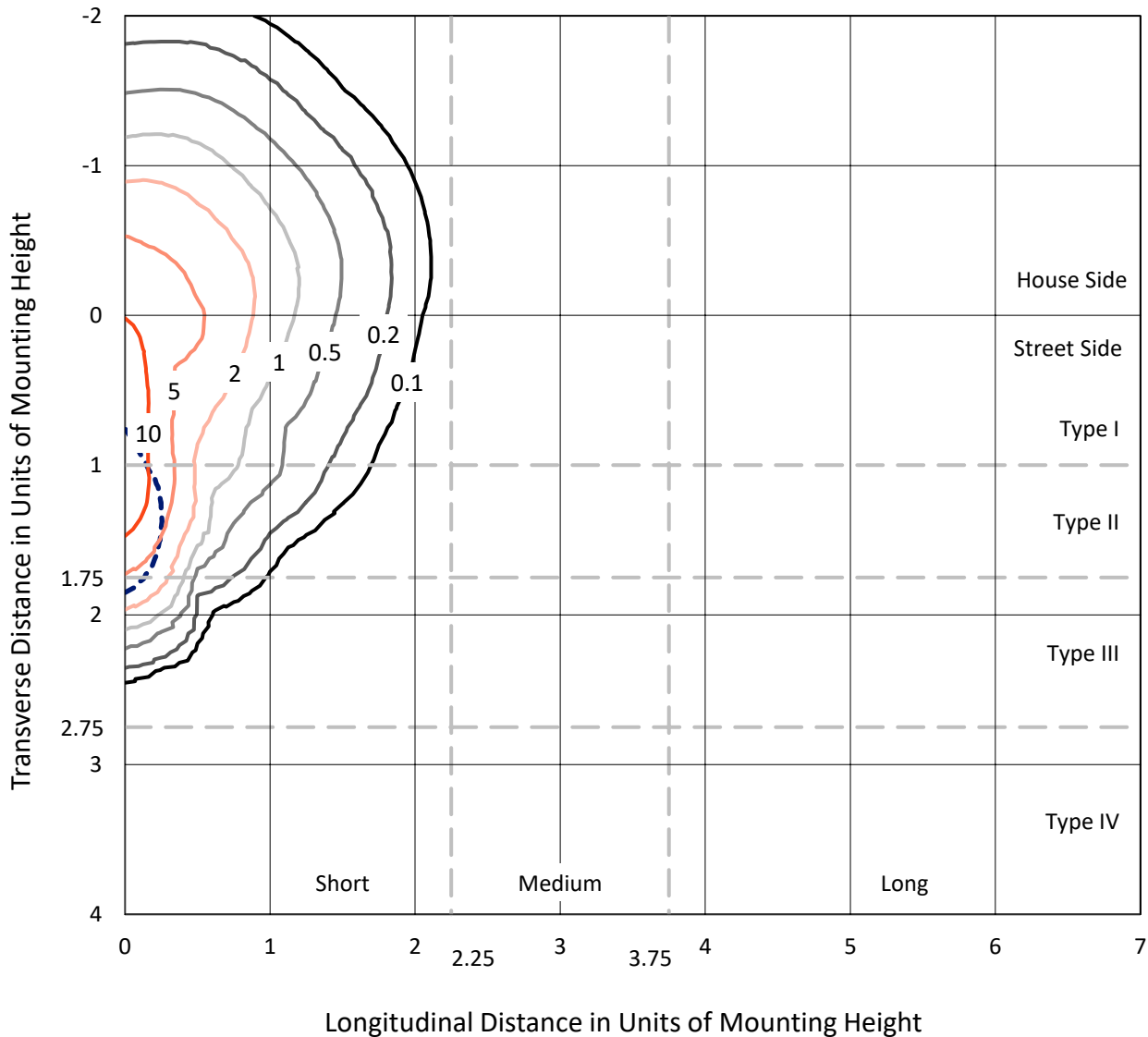
Lumens per Lamp: N/A  
Luminaire Lumens: 5627.1 lumens  
Efficiency: N/A  
Efficacy: 82.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

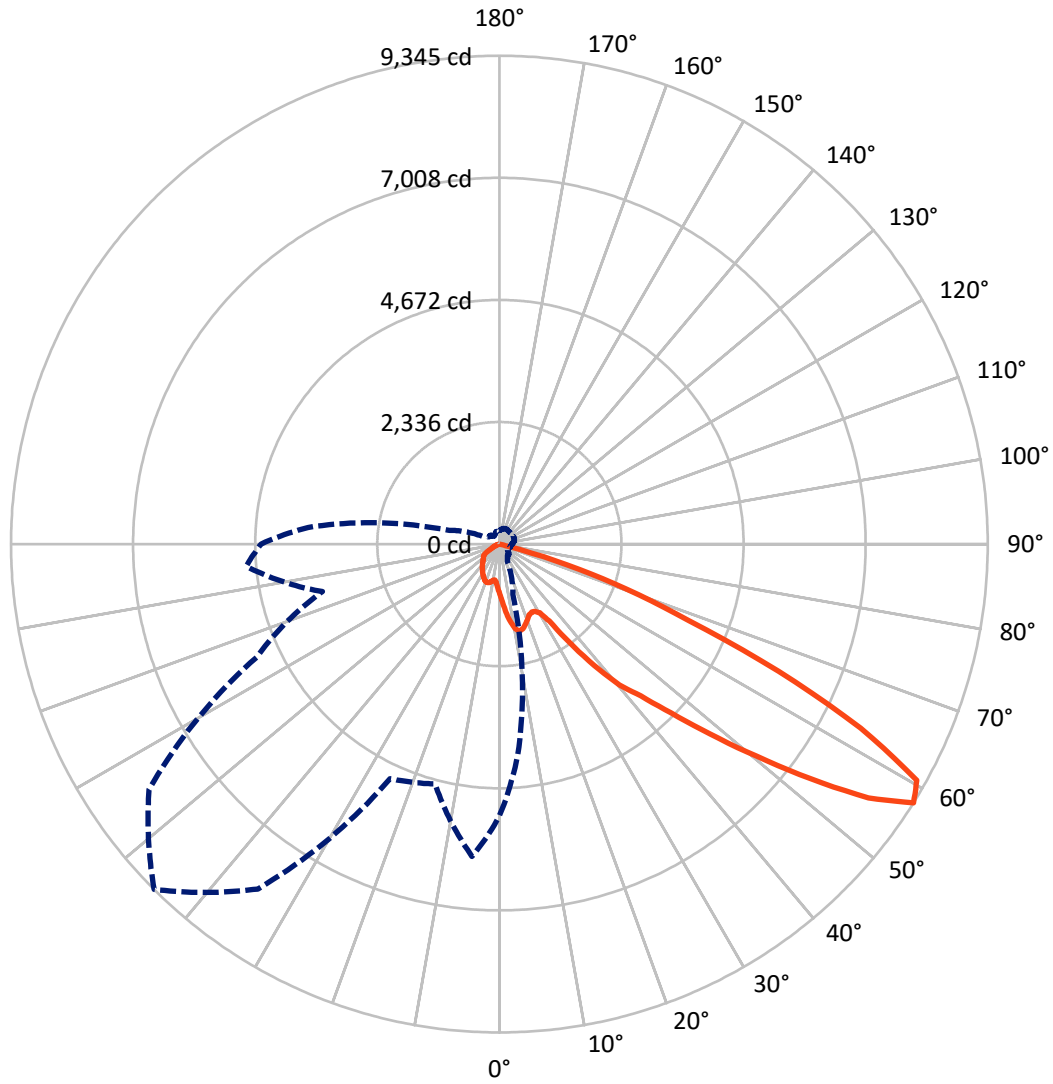
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 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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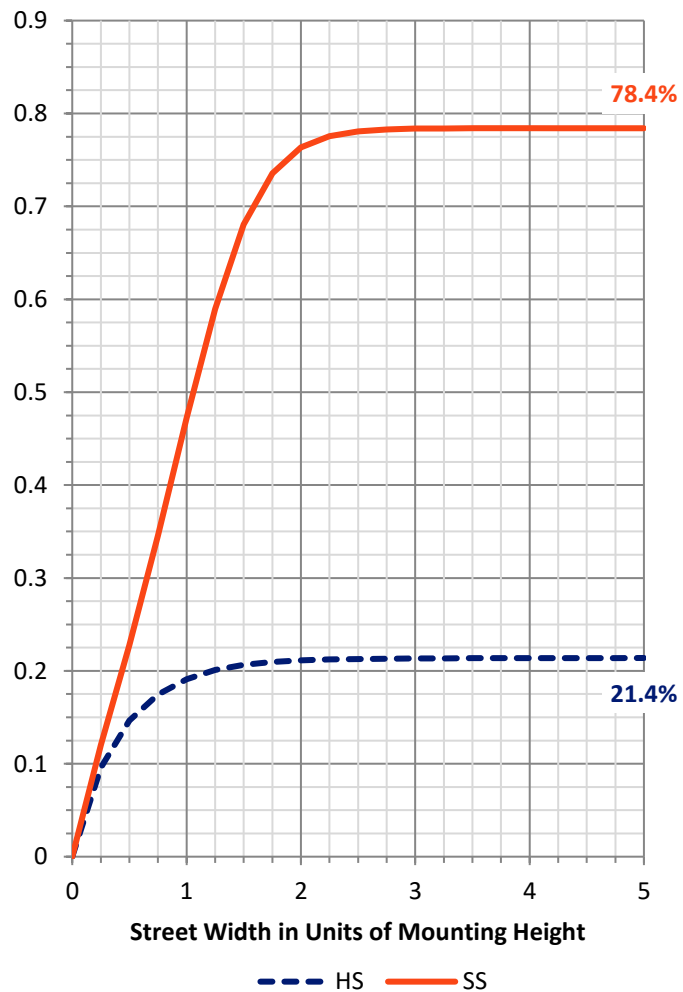
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1212.3	0.0	1212.3
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	4414.8	0.0	4414.8
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	5627.1	0.0	5627.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.5	1.7
10°-20°	311.0	5.5
20°-30°	504.6	9.0
30°-40°	774.5	13.8
40°-50°	1237.0	22.0
50°-60°	1732.0	30.8
60°-70°	888.0	15.8
70°-80°	85.5	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°	5627.1	100.0
0°-180°	5627.1	100.0

**Coefficient of Utilization**



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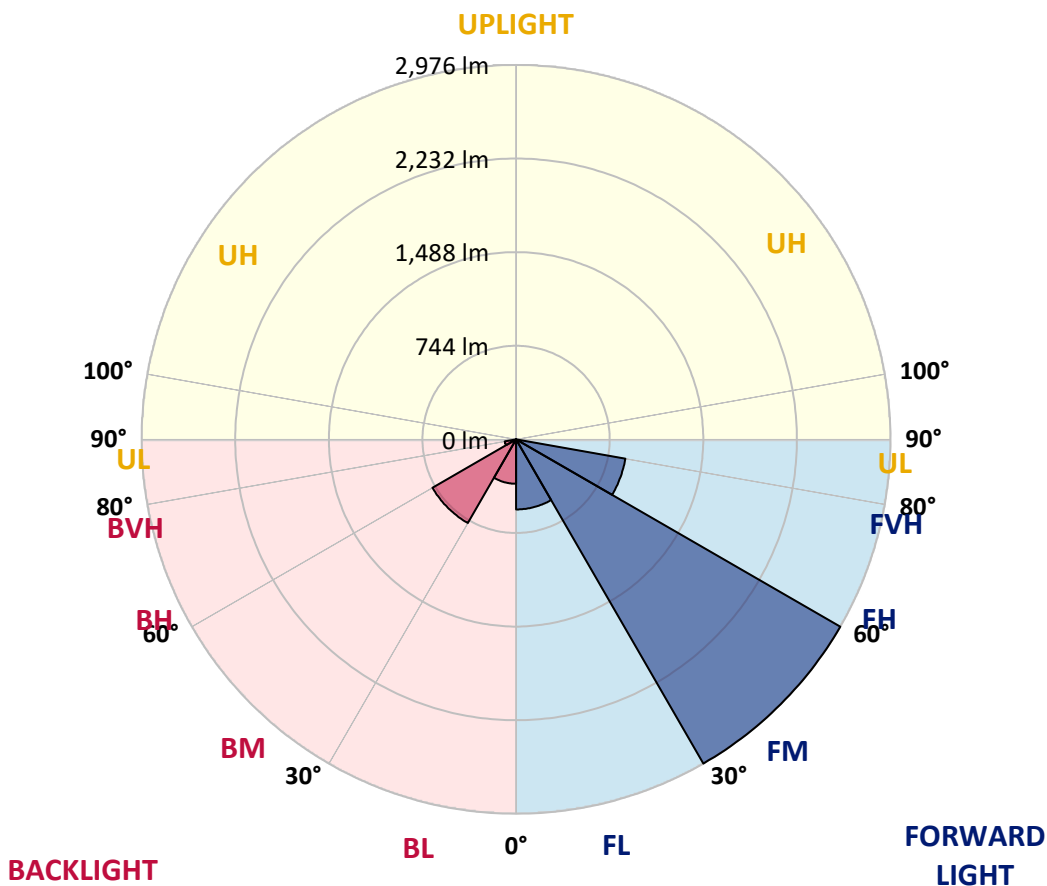
CATALOG NUMBER: GWS-SA3B-760-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.1	9.9			
FM (30°-60°)	2975.7	52.9			
FH (60°-80°)	882.0	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	353.0	6.3	B1/500		
BM (30°-60°)	767.7	13.6	B1/1000		
BH (60°-80°)	91.6	1.6	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°	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1
2.5°	1062.2	1059.9	1052.4	1026.8	1011.0	986.2	968.2	944.8	919.3	903.5	887.7
5°	1175.0	1169.0	1148.7	1090.0	1044.9	996.0	956.9	914.0	868.1	838.0	810.2
7.5°	1283.4	1274.3	1247.3	1148.0	1079.5	1009.5	953.9	891.4	826.7	781.6	747.0
10°	1389.4	1369.1	1326.2	1204.4	1111.8	1027.6	962.1	890.7	814.7	757.5	719.2
12.5°	1476.7	1461.6	1403.0	1257.8	1138.9	1031.4	950.9	884.7	833.5	795.1	759.8
15°	1551.9	1535.4	1479.7	1305.9	1162.2	1016.3	903.5	845.5	853.8	868.9	838.8
17.5°	1621.1	1603.8	1543.6	1345.8	1171.3	979.4	837.3	809.4	855.3	911.7	900.5
20°	1692.6	1673.0	1599.3	1378.1	1168.3	921.5	770.3	778.6	843.3	908.0	914.0
22.5°	1776.1	1755.8	1670.0	1419.5	1166.0	852.3	712.4	751.5	820.7	875.6	886.2
25°	1886.7	1862.6	1768.6	1480.5	1172.0	789.1	671.0	725.2	782.4	832.0	838.0
27.5°	2032.6	2001.8	1882.2	1555.7	1184.8	739.5	653.0	689.1	733.5	777.8	783.1
30°	2222.9	2183.8	2012.3	1621.1	1178.8	704.9	640.9	653.0	679.3	715.4	716.2
32.5°	2445.6	2392.2	2158.2	1677.5	1126.9	679.3	624.4	616.1	622.1	650.0	655.2
35°	2707.4	2638.2	2319.2	1731.0	1032.1	629.6	594.3	566.5	564.2	577.7	590.5
37.5°	3007.6	2924.8	2522.3	1799.4	920.0	577.7	549.9	522.1	510.0	516.8	536.4
40°	3284.4	3192.6	2734.5	1882.2	805.7	531.1	498.0	469.4	455.1	457.4	481.4
42.5°	3609.4	3514.6	2994.0	1990.5	710.9	499.5	443.8	414.5	395.7	406.2	434.1
45°	4102.8	3995.3	3372.4	2084.5	635.7	492.0	396.4	355.1	346.0	364.1	397.2
47.5°	4776.9	4645.2	3892.2	2141.7	571.7	498.8	363.3	306.9	309.2	329.5	362.6
50°	5445.6	5303.5	4493.3	2066.5	519.1	485.2	346.8	269.3	283.6	301.7	331.7
52.5°	5905.3	5720.2	4785.9	1849.1	470.9	434.1	345.3	234.0	261.0	267.1	292.6
55°	5923.3	5695.4	4636.2	1457.9	405.5	366.4	329.5	204.6	236.2	238.5	260.3
57.5°	5192.1	4986.0	4051.7	1001.3	360.3	268.6	262.5	179.0	194.1	212.9	226.4
60°	3950.1	3774.9	3030.1	458.9	273.8	170.8	179.8	154.2	145.2	173.0	186.6
62.5°	2419.3	2307.2	1817.5	203.1	174.5	91.0	109.1	122.6	109.1	119.6	130.9
65°	960.6	911.0	689.8	86.5	71.5	45.9	49.6	71.5	76.7	84.3	94.8
67.5°	167.0	158.0	115.8	38.4	29.3	27.8	24.1	33.1	46.6	51.9	60.2
70°	21.8	21.1	18.8	15.8	15.0	13.5	10.5	21.1	31.6	33.1	38.4
72.5°	5.3	4.5	4.5	3.8	4.5	1.5	1.5	11.3	22.6	23.3	27.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	14.3	15.8	18.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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°	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1
2.5°	874.9	859.8	854.6	847.0	837.3	840.3	826.7	822.2	829.0	838.0	835.8
5°	795.1	778.6	767.3	750.0	747.0	740.2	735.7	729.7	737.2	747.8	750.0
7.5°	732.0	717.7	706.4	701.1	697.3	694.3	685.3	680.8	680.8	685.3	689.1
10°	704.9	694.3	692.1	693.6	699.6	698.9	690.6	684.6	677.0	673.3	677.8
12.5°	742.5	725.2	722.2	722.9	730.4	729.7	720.7	713.1	711.6	713.1	727.4
15°	806.4	780.1	760.5	756.8	760.5	759.0	752.3	747.8	750.0	771.8	795.9
17.5°	863.6	823.0	787.6	774.1	773.3	771.1	764.3	762.8	774.1	814.7	850.1
20°	880.1	840.3	789.9	772.6	768.8	766.6	759.0	761.3	775.6	824.5	854.6
22.5°	858.3	820.0	767.3	750.0	747.0	746.2	738.7	741.7	753.8	796.6	821.5
25°	817.0	784.6	729.7	714.7	714.7	713.1	706.4	707.9	715.4	753.0	777.1
27.5°	766.6	735.7	689.8	674.8	677.0	679.3	671.0	668.8	674.8	710.1	724.4
30°	708.6	686.8	650.7	637.2	636.4	645.4	634.2	631.1	639.4	667.3	670.3
32.5°	652.2	641.7	616.1	605.6	606.3	607.8	601.8	601.8	609.3	624.4	623.6
35°	597.3	590.5	586.0	578.5	577.7	574.7	574.7	576.2	584.5	589.8	580.0
37.5°	544.6	551.4	556.7	549.2	543.1	543.1	543.1	549.9	557.4	555.2	538.6
40°	498.0	512.3	528.8	520.6	506.3	505.5	508.5	519.8	531.1	517.6	502.5
42.5°	458.1	476.2	499.5	495.0	479.2	476.9	479.2	493.5	502.5	485.2	468.7
45°	419.0	441.6	469.4	469.4	452.1	449.9	450.6	469.4	474.7	454.4	433.3
47.5°	385.9	410.7	440.1	440.1	425.8	421.3	425.0	444.6	448.3	419.8	400.2
50°	354.3	381.4	413.7	411.5	401.7	397.9	404.7	425.8	421.3	389.7	369.4
52.5°	314.4	343.0	387.4	389.7	384.4	385.2	393.4	407.0	394.2	355.8	338.5
55°	278.3	307.7	352.1	364.1	364.1	363.3	367.1	377.6	367.1	321.2	300.2
57.5°	239.2	264.0	300.9	303.9	306.2	297.9	303.2	317.5	312.2	273.1	261.0
60°	196.3	217.4	238.5	240.7	230.9	213.6	223.4	240.0	243.7	214.4	200.9
62.5°	139.2	159.5	184.3	184.3	174.5	157.2	170.0	184.3	179.0	148.9	140.7
65°	103.8	122.6	141.4	149.7	141.4	129.4	139.2	149.7	141.4	116.6	104.6
67.5°	67.0	79.7	91.0	97.8	99.3	97.8	102.3	99.3	89.5	73.0	66.2
70°	40.6	47.4	53.4	59.4	63.9	66.2	68.5	61.7	51.9	42.9	40.6
72.5°	29.3	35.4	40.6	45.1	50.4	51.9	51.9	47.4	38.4	30.1	27.8
75°	20.3	25.6	30.1	33.1	37.6	39.1	39.1	35.4	28.6	21.8	19.6
77.5°	0.8	5.3	5.3	4.5	6.0	7.5	7.5	9.0	8.3	6.0	5.3
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°	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1
2.5°	840.3	867.4	874.9	902.7	927.5	952.4	982.5	1000.5	1027.6	1046.4	1056.9
5°	757.5	780.1	807.2	848.6	891.4	938.8	996.0	1045.6	1108.1	1154.0	1169.0
7.5°	697.3	726.7	758.3	810.2	868.9	932.1	1012.5	1093.8	1189.3	1251.8	1291.6
10°	686.1	716.2	758.3	809.4	871.1	943.3	1041.9	1147.2	1266.8	1342.8	1387.9
12.5°	740.2	772.6	790.6	813.9	860.6	941.1	1067.5	1201.4	1342.0	1424.8	1472.9
15°	820.0	848.6	819.2	789.9	820.0	917.0	1081.8	1246.5	1408.2	1503.8	1553.4
17.5°	874.9	877.1	813.2	750.8	759.0	873.4	1087.0	1291.6	1479.0	1579.0	1630.9
20°	869.6	851.6	786.9	717.7	692.1	817.0	1081.0	1331.5	1550.4	1655.0	1706.1
22.5°	829.0	807.9	753.0	685.3	635.7	750.0	1070.5	1367.6	1615.9	1734.7	1782.9
25°	780.1	757.5	712.4	653.0	599.6	685.3	1062.2	1417.3	1698.6	1838.5	1876.1
27.5°	722.9	703.4	665.0	622.1	584.5	636.4	1059.9	1482.7	1798.7	1964.9	1991.2
30°	667.3	649.2	619.1	594.3	578.5	607.8	1052.4	1552.7	1918.3	2110.1	2138.7
32.5°	613.8	595.8	577.0	573.2	574.0	597.3	1026.8	1621.9	2060.5	2320.7	2341.8
35°	568.0	546.9	539.4	548.4	565.0	579.2	954.6	1679.1	2213.2	2550.2	2567.5
37.5°	524.3	503.3	502.5	524.3	542.4	551.4	869.6	1735.5	2419.3	2783.4	2805.2
40°	484.5	463.4	470.9	497.2	511.5	516.1	766.6	1821.2	2637.4	3029.4	3017.3
42.5°	450.6	428.8	433.3	467.2	479.9	492.0	671.8	1892.7	2847.3	3262.6	3258.8
45°	417.5	401.0	397.9	434.8	446.1	494.2	602.6	1947.6	3117.4	3559.7	3565.7
47.5°	385.2	372.4	373.1	388.9	416.8	505.5	543.9	1983.7	3509.3	4030.6	3926.1
50°	355.8	346.0	354.3	336.3	397.9	491.2	493.5	1976.2	3947.1	4482.0	4272.1
52.5°	323.5	321.2	325.0	281.3	367.9	433.3	446.1	1876.1	4152.5	4790.4	4670.8
55°	290.4	289.6	259.5	224.9	307.7	346.0	382.2	1565.5	4145.7	4954.4	5099.6
57.5°	251.3	245.2	197.1	183.6	239.2	240.7	348.3	1025.3	3674.1	4561.7	4862.6
60°	190.3	185.8	144.4	148.9	167.0	154.2	277.6	510.8	2745.8	3553.7	3893.0
62.5°	131.6	125.6	107.6	115.1	107.6	88.0	170.0	252.8	1663.3	2244.0	2551.7
65°	96.3	89.5	73.7	63.2	50.4	50.4	64.7	97.0	643.9	953.9	1150.2
67.5°	59.4	56.4	43.6	31.6	30.8	33.1	33.9	48.1	103.8	165.5	202.4
70°	38.4	35.4	29.3	20.3	18.8	19.6	20.3	22.6	26.3	28.6	34.6
72.5°	26.3	24.8	21.1	11.3	9.0	9.8	10.5	10.5	12.8	12.0	14.3
75°	18.8	17.3	15.0	5.3	3.0	3.8	4.5	3.8	4.5	3.0	3.8
77.5°	5.3	5.3	3.8	0.8	0.0	0.8	1.5	1.5	0.8	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	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-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1	956.1
2.5°	1084.0	1101.3	1108.1	1098.3	1106.6	1093.0	1087.8	1067.5	1066.0	1062.2
5°	1230.0	1269.1	1292.4	1306.7	1290.1	1272.1	1245.0	1198.4	1184.1	1175.0
7.5°	1373.6	1434.6	1474.4	1493.2	1488.7	1451.9	1403.0	1324.7	1296.9	1283.4
10°	1498.5	1573.0	1621.1	1644.4	1634.7	1602.3	1532.4	1434.6	1397.7	1389.4
12.5°	1585.8	1654.2	1687.3	1707.6	1708.4	1695.6	1629.4	1530.9	1487.2	1476.7
15°	1640.7	1670.0	1670.8	1682.8	1703.9	1732.5	1701.6	1614.4	1567.7	1551.9
17.5°	1675.3	1642.9	1609.8	1612.9	1647.5	1723.4	1755.0	1688.1	1638.4	1621.1
20°	1700.1	1597.8	1536.1	1536.9	1572.2	1687.3	1791.9	1759.5	1708.4	1692.6
22.5°	1715.9	1557.9	1469.9	1467.7	1505.3	1644.4	1825.7	1844.6	1794.1	1776.1
25°	1748.3	1539.1	1430.1	1442.8	1475.9	1630.9	1871.6	1957.4	1910.8	1886.7
27.5°	1806.2	1557.9	1426.3	1455.6	1493.2	1670.8	1951.4	2107.8	2059.7	2032.6
30°	1906.2	1628.7	1484.2	1524.8	1570.0	1775.3	2085.3	2317.7	2248.5	2222.9
32.5°	2067.2	1775.3	1663.3	1750.5	1794.1	1946.9	2286.1	2553.2	2496.8	2445.6
35°	2289.1	2110.1	2097.3	2300.4	2289.9	2271.8	2532.9	2842.1	2757.0	2707.4
37.5°	2594.6	2648.7	2743.5	2945.1	2938.3	2800.7	2857.1	3115.1	3071.5	3007.6
40°	2976.0	3091.1	3252.0	3540.9	3450.6	3277.6	3255.0	3395.0	3359.6	3284.4
42.5°	3200.9	3399.5	3706.4	3965.9	3893.7	3591.3	3565.7	3768.8	3691.4	3609.4
45°	3305.4	3650.7	4252.5	4603.9	4384.9	3799.7	3789.9	4256.3	4212.7	4102.8
47.5°	3353.6	3904.3	4892.0	5423.8	5014.6	3982.5	3947.1	4963.4	4906.3	4776.9
50°	3407.0	4254.1	5662.3	6373.9	5775.1	4189.4	4214.9	5622.4	5598.3	5445.6
52.5°	3524.4	4624.2	6610.9	7460.2	6697.4	4513.6	4674.6	6243.8	6081.3	5905.3
55°	3700.4	5027.4	7597.9	8569.8	7638.5	4949.1	5171.8	6574.0	6118.2	5923.3
57.5°	3505.6	5128.2	8182.4	9344.6	8056.0	4950.7	4751.3	6001.6	5380.9	5192.1
60°	2781.9	4770.9	7957.4	9176.9	7700.2	4396.2	3637.9	4685.9	4076.5	3950.1
62.5°	1880.7	4001.3	7005.1	7761.1	6590.6	3458.2	2364.4	3047.4	2523.8	2419.3
65°	1030.6	2985.0	5660.0	5871.4	5158.3	2415.5	1216.4	1322.5	1007.3	960.6
67.5°	284.4	2077.8	4164.5	3895.2	3619.1	1573.0	314.4	236.2	168.5	167.0
70°	71.5	1374.4	2495.3	2572.0	2219.2	1007.3	60.2	28.6	22.6	21.8
72.5°	30.1	591.3	1184.1	1360.8	1135.9	466.4	21.8	8.3	6.8	5.3
75°	3.8	47.4	100.8	152.7	104.6	50.4	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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