

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: P631934

Luminaire Tested: GWS-SA2B-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631934  
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-SA2B-760-U-SLL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

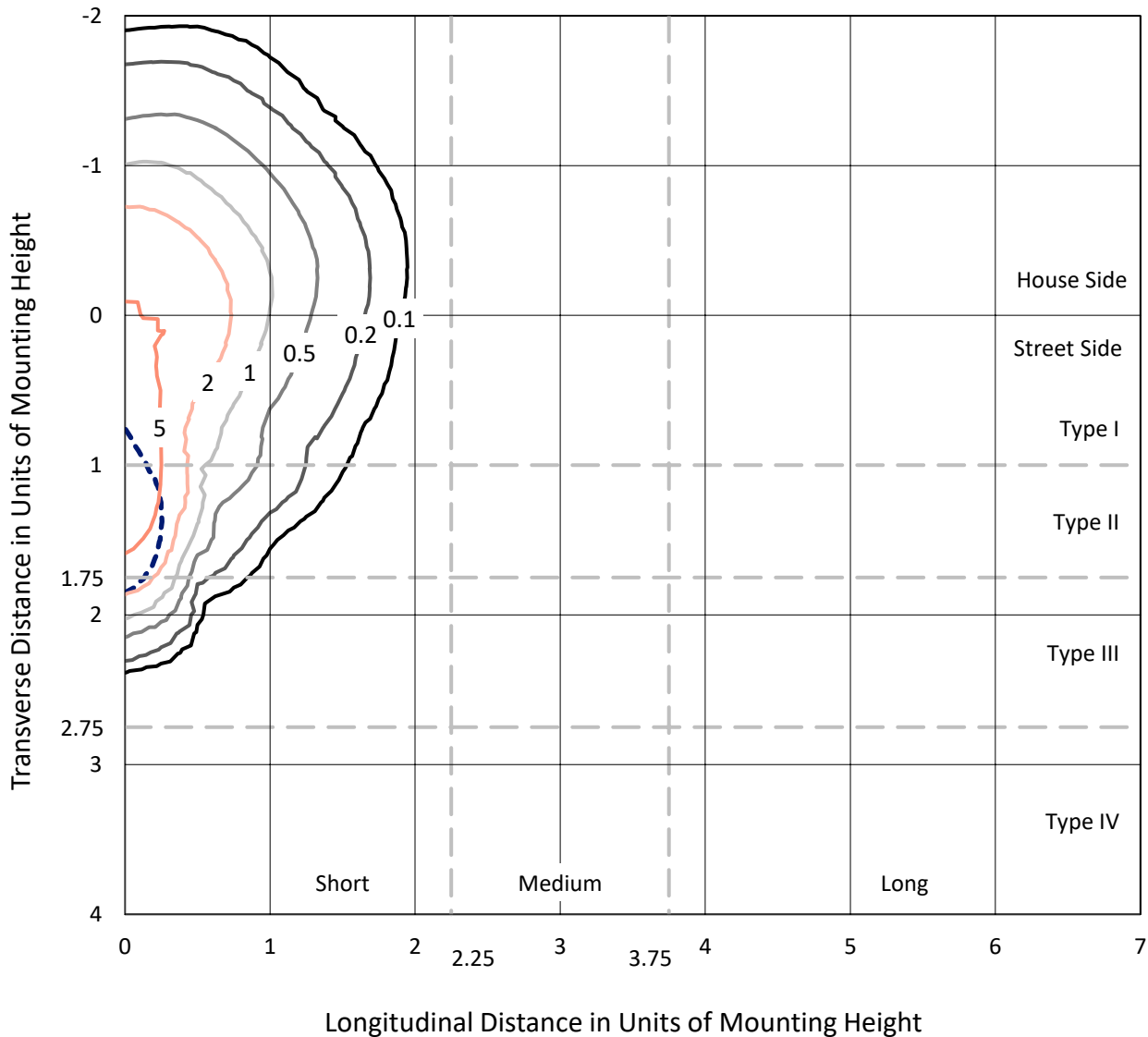
Lumens per Lamp: N/A  
Luminaire Lumens: 3733.5 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

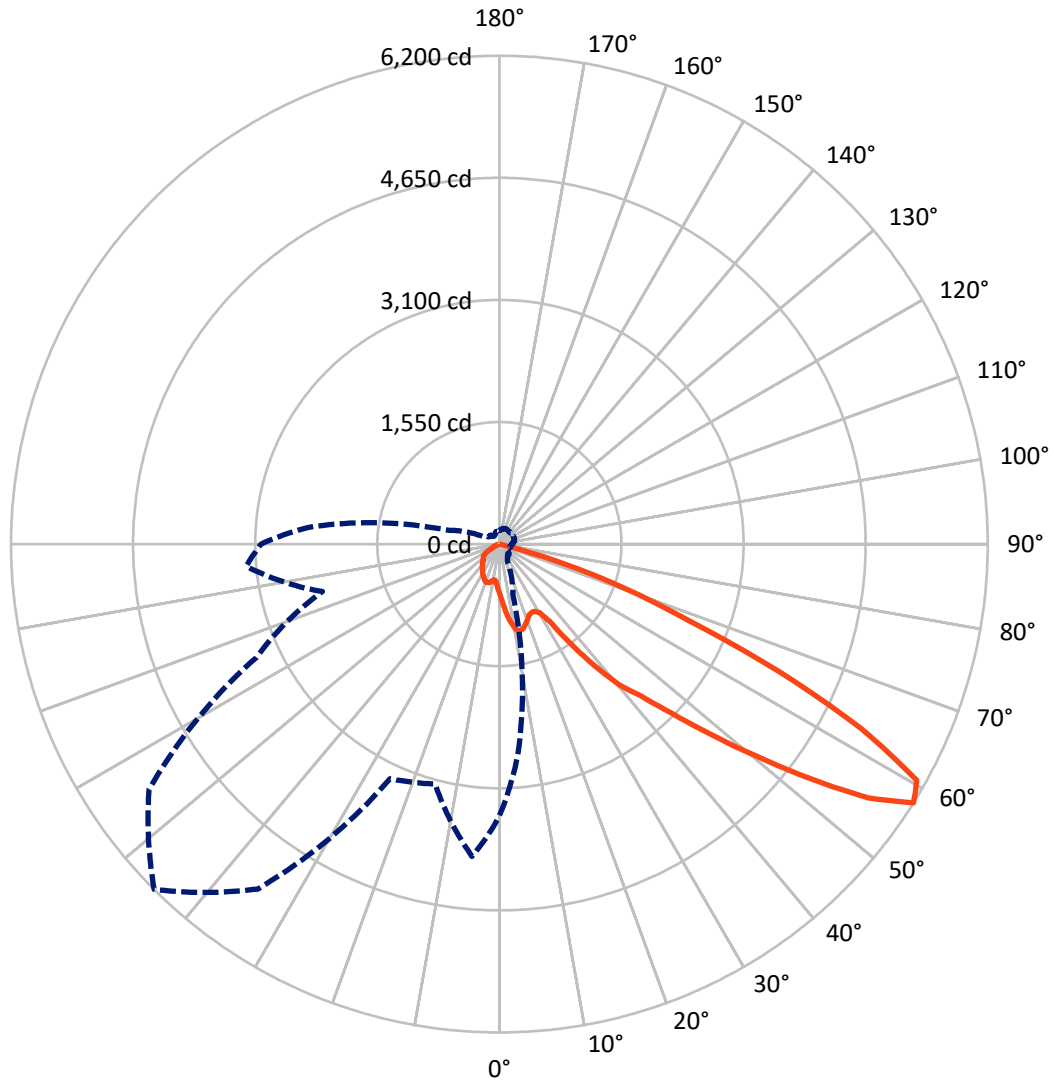
× Max cd  
 - - - 1/2 Max cd



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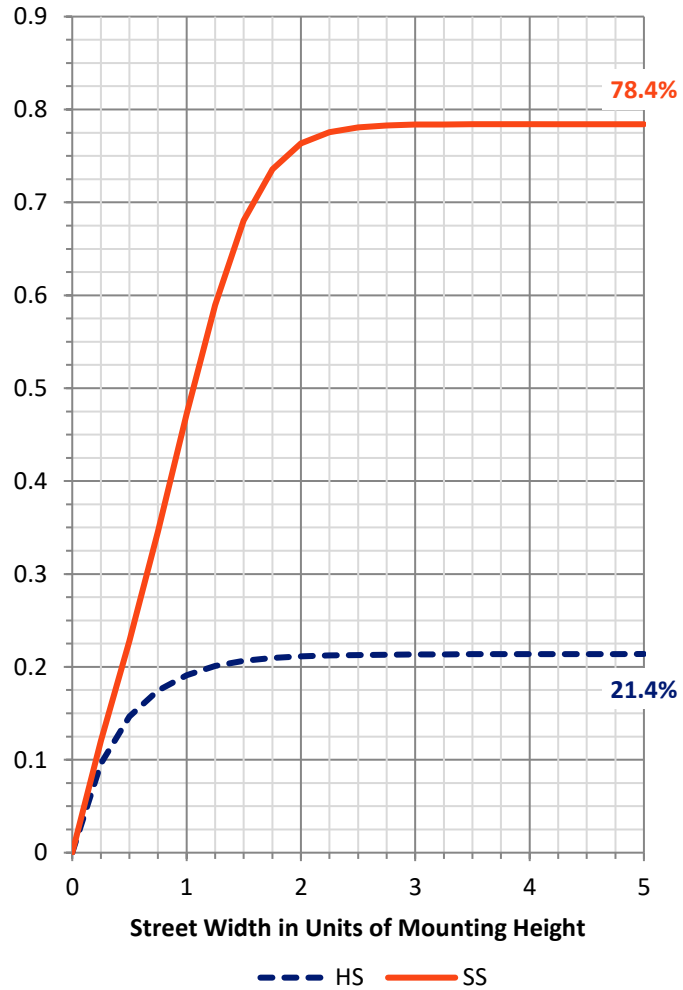
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	804.3	0.0	804.3
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	2929.2	0.0	2929.2
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	3733.5	0.0	3733.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.7	1.7
10°-20°	206.3	5.5
20°-30°	334.8	9.0
30°-40°	513.9	13.8
40°-50°	820.7	22.0
50°-60°	1149.1	30.8
60°-70°	589.2	15.8
70°-80°	56.7	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°	3733.5	100.0
0°-180°	3733.5	100.0

**Coefficient of Utilization**



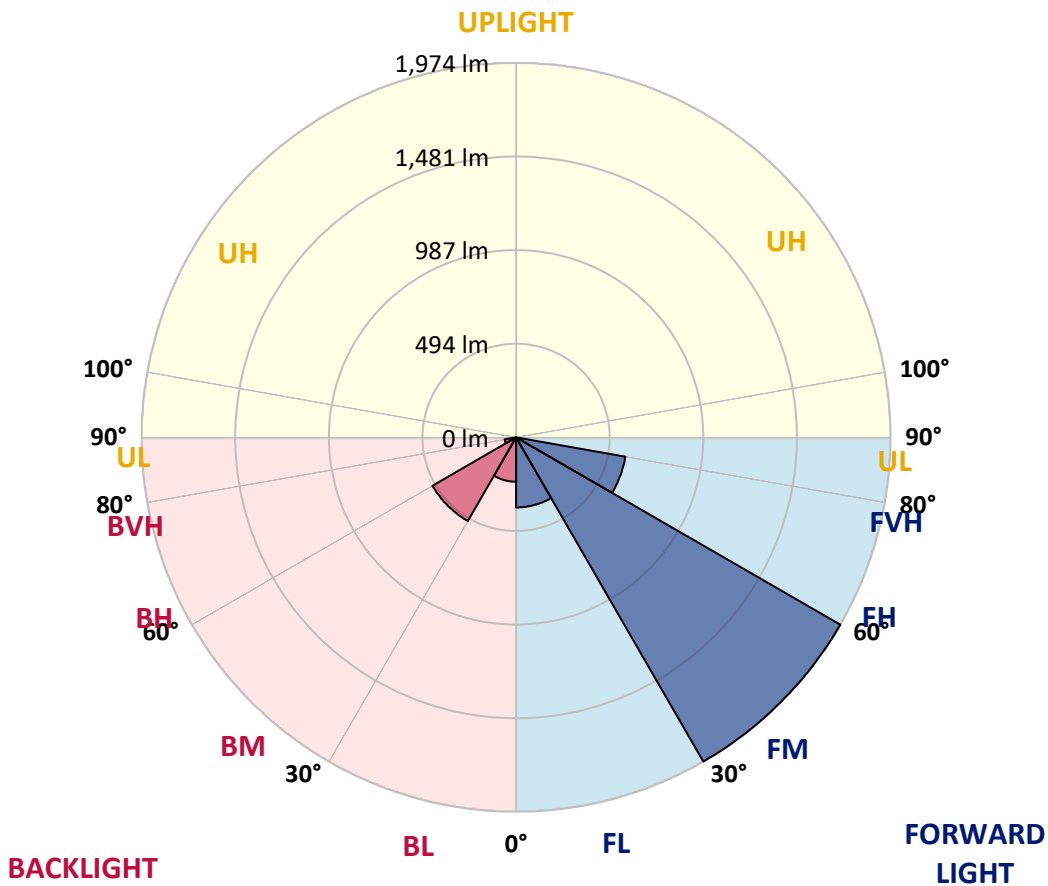
REPORT NUMBER: P631934

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.6	9.9			
FM (30°-60°)	1974.4	52.9			
FH (60°-80°)	585.2	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	234.2	6.3	B1/500		
BM (30°-60°)	509.4	13.6	B1/1000		
BH (60°-80°)	60.7	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-G0**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4
2.5°	704.8	703.3	698.3	681.3	670.8	654.3	642.4	626.9	609.9	599.4	589.0
5°	779.6	775.6	762.2	723.2	693.3	660.8	634.9	606.4	576.0	556.0	537.5
7.5°	851.5	845.5	827.5	761.7	716.2	669.8	632.9	591.5	548.5	518.6	495.6
10°	921.9	908.4	879.9	799.1	737.7	681.8	638.4	591.0	540.5	502.6	477.2
12.5°	979.8	969.8	930.9	834.5	755.7	684.3	630.9	587.0	553.0	527.6	504.1
15°	1029.7	1018.7	981.8	866.5	771.1	674.3	599.4	561.0	566.5	576.5	556.5
17.5°	1075.6	1064.1	1024.2	892.9	777.1	649.8	555.5	537.0	567.5	604.9	597.4
20°	1123.0	1110.0	1061.1	914.4	775.1	611.4	511.1	516.6	559.5	602.4	606.4
22.5°	1178.4	1164.9	1108.0	941.8	773.6	565.5	472.7	498.6	544.5	581.0	588.0
25°	1251.8	1235.8	1173.4	982.3	777.6	523.6	445.2	481.1	519.1	552.0	556.0
27.5°	1348.6	1328.1	1248.8	1032.2	786.1	490.6	433.2	457.2	486.6	516.1	519.6
30°	1474.9	1448.9	1335.1	1075.6	782.1	467.7	425.2	433.2	450.7	474.7	475.2
32.5°	1622.6	1587.2	1432.0	1113.0	747.7	450.7	414.3	408.8	412.8	431.2	434.7
35°	1796.3	1750.4	1538.8	1148.5	684.8	417.8	394.3	375.8	374.3	383.3	391.8
37.5°	1995.5	1940.6	1673.5	1193.9	610.4	383.3	364.9	346.4	338.4	342.9	355.9
40°	2179.1	2118.3	1814.3	1248.8	534.6	352.4	330.4	311.4	302.0	303.5	319.4
42.5°	2394.8	2331.9	1986.5	1320.7	471.7	331.4	294.5	275.0	262.5	269.5	288.0
45°	2722.2	2650.8	2237.5	1383.1	421.8	326.4	263.0	235.6	229.6	241.6	263.5
47.5°	3169.4	3082.0	2582.4	1421.0	379.3	330.9	241.1	203.6	205.1	218.6	240.6
50°	3613.1	3518.8	2981.2	1371.1	344.4	321.9	230.1	178.7	188.2	200.1	220.1
52.5°	3918.1	3795.3	3175.4	1226.8	312.4	288.0	229.1	155.2	173.2	177.2	194.2
55°	3930.0	3778.8	3076.1	967.3	269.0	243.1	218.6	135.8	156.7	158.2	172.7
57.5°	3444.9	3308.1	2688.2	664.3	239.1	178.2	174.2	118.8	128.8	141.2	150.2
60°	2620.9	2504.6	2010.4	304.5	181.7	113.3	119.3	102.3	96.3	114.8	123.8
62.5°	1605.2	1530.8	1205.9	134.8	115.8	60.4	72.4	81.4	72.4	79.4	86.8
65°	637.4	604.4	457.7	57.4	47.4	30.4	32.9	47.4	50.9	55.9	62.9
67.5°	110.8	104.8	76.9	25.5	19.5	18.5	16.0	22.0	30.9	34.4	39.9
70°	14.5	14.0	12.5	10.5	10.0	9.0	7.0	14.0	21.0	22.0	25.5
72.5°	3.5	3.0	3.0	2.5	3.0	1.0	1.0	7.5	15.0	15.5	18.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	9.5	10.5	12.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4
2.5°	580.5	570.5	567.0	562.0	555.5	557.5	548.5	545.5	550.0	556.0	554.5
5°	527.6	516.6	509.1	497.6	495.6	491.1	488.1	484.1	489.1	496.1	497.6
7.5°	485.6	476.2	468.7	465.2	462.7	460.7	454.7	451.7	451.7	454.7	457.2
10°	467.7	460.7	459.2	460.2	464.2	463.7	458.2	454.2	449.2	446.7	449.7
12.5°	492.6	481.1	479.2	479.7	484.6	484.1	478.2	473.2	472.2	473.2	482.6
15°	535.1	517.6	504.6	502.1	504.6	503.6	499.1	496.1	497.6	512.1	528.1
17.5°	573.0	546.0	522.6	513.6	513.1	511.6	507.1	506.1	513.6	540.5	564.0
20°	584.0	557.5	524.1	512.6	510.1	508.6	503.6	505.1	514.6	547.0	567.0
22.5°	569.5	544.0	509.1	497.6	495.6	495.1	490.1	492.1	500.1	528.6	545.0
25°	542.0	520.6	484.1	474.2	474.2	473.2	468.7	469.7	474.7	499.6	515.6
27.5°	508.6	488.1	457.7	447.7	449.2	450.7	445.2	443.7	447.7	471.2	480.6
30°	470.2	455.7	431.7	422.8	422.3	428.2	420.8	418.8	424.2	442.7	444.7
32.5°	432.7	425.7	408.8	401.8	402.3	403.3	399.3	399.3	404.3	414.3	413.8
35°	396.3	391.8	388.8	383.8	383.3	381.3	381.3	382.3	387.8	391.3	384.8
37.5°	361.4	365.9	369.3	364.4	360.4	360.4	360.4	364.9	369.8	368.3	357.4
40°	330.4	339.9	350.9	345.4	335.9	335.4	337.4	344.9	352.4	343.4	333.4
42.5°	304.0	315.9	331.4	328.4	317.9	316.4	317.9	327.4	333.4	321.9	310.9
45°	278.0	293.0	311.4	311.4	300.0	298.5	299.0	311.4	314.9	301.5	287.5
47.5°	256.0	272.5	292.0	292.0	282.5	279.5	282.0	295.0	297.5	278.5	265.5
50°	235.1	253.1	274.5	273.0	266.5	264.0	268.5	282.5	279.5	258.5	245.1
52.5°	208.6	227.6	257.0	258.5	255.0	255.5	261.0	270.0	261.5	236.1	224.6
55°	184.7	204.1	233.6	241.6	241.6	241.1	243.6	250.6	243.6	213.1	199.1
57.5°	158.7	175.2	199.6	201.6	203.1	197.7	201.1	210.6	207.1	181.2	173.2
60°	130.3	144.2	158.2	159.7	153.2	141.7	148.2	159.2	161.7	142.2	133.3
62.5°	92.3	105.8	122.3	122.3	115.8	104.3	112.8	122.3	118.8	98.8	93.3
65°	68.9	81.4	93.8	99.3	93.8	85.8	92.3	99.3	93.8	77.4	69.4
67.5°	44.4	52.9	60.4	64.9	65.9	64.9	67.9	65.9	59.4	48.4	43.9
70°	27.0	31.4	35.4	39.4	42.4	43.9	45.4	40.9	34.4	28.4	27.0
72.5°	19.5	23.5	27.0	29.9	33.4	34.4	34.4	31.4	25.5	20.0	18.5
75°	13.5	17.0	20.0	22.0	25.0	26.0	26.0	23.5	19.0	14.5	13.0
77.5°	0.5	3.5	3.5	3.0	4.0	5.0	5.0	6.0	5.5	4.0	3.5
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°	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4
2.5°	557.5	575.5	580.5	598.9	615.4	631.9	651.8	663.8	681.8	694.3	701.3
5°	502.6	517.6	535.6	563.0	591.5	622.9	660.8	693.8	735.2	765.6	775.6
7.5°	462.7	482.1	503.1	537.5	576.5	618.4	671.8	725.7	789.1	830.5	857.0
10°	455.2	475.2	503.1	537.0	578.0	625.9	691.3	761.2	840.5	890.9	920.9
12.5°	491.1	512.6	524.6	540.0	571.0	624.4	708.2	797.1	890.4	945.3	977.3
15°	544.0	563.0	543.5	524.1	544.0	608.4	717.7	827.0	934.3	997.7	1030.7
17.5°	580.5	582.0	539.5	498.1	503.6	579.5	721.2	857.0	981.3	1047.6	1082.1
20°	577.0	565.0	522.1	476.2	459.2	542.0	717.2	883.4	1028.7	1098.1	1132.0
22.5°	550.0	536.1	499.6	454.7	421.8	497.6	710.2	907.4	1072.1	1151.0	1182.9
25°	517.6	502.6	472.7	433.2	397.8	454.7	704.8	940.3	1127.0	1219.8	1244.8
27.5°	479.7	466.7	441.2	412.8	387.8	422.3	703.3	983.8	1193.4	1303.7	1321.2
30°	442.7	430.7	410.8	394.3	383.8	403.3	698.3	1030.2	1272.7	1400.0	1419.0
32.5°	407.3	395.3	382.8	380.3	380.8	396.3	681.3	1076.1	1367.1	1539.8	1553.7
35°	376.8	362.9	357.9	363.9	374.8	384.3	633.4	1114.0	1468.4	1692.0	1703.5
37.5°	347.9	333.9	333.4	347.9	359.9	365.9	577.0	1151.5	1605.2	1846.7	1861.2
40°	321.4	307.5	312.4	329.9	339.4	342.4	508.6	1208.4	1749.9	2009.9	2002.0
42.5°	299.0	284.5	287.5	310.0	318.4	326.4	445.7	1255.8	1889.2	2164.7	2162.2
45°	277.0	266.0	264.0	288.5	296.0	327.9	399.8	1292.2	2068.3	2361.8	2365.8
47.5°	255.5	247.1	247.6	258.0	276.5	335.4	360.9	1316.2	2328.4	2674.3	2604.9
50°	236.1	229.6	235.1	223.1	264.0	325.9	327.4	1311.2	2618.9	2973.7	2834.5
52.5°	214.6	213.1	215.6	186.7	244.1	287.5	296.0	1244.8	2755.1	3178.4	3099.0
55°	192.7	192.2	172.2	149.2	204.1	229.6	253.6	1038.7	2750.6	3287.2	3383.5
57.5°	166.7	162.7	130.8	121.8	158.7	159.7	231.1	680.3	2437.7	3026.6	3226.3
60°	126.3	123.3	95.8	98.8	110.8	102.3	184.2	338.9	1821.8	2357.8	2582.9
62.5°	87.3	83.4	71.4	76.4	71.4	58.4	112.8	167.7	1103.5	1488.9	1693.0
65°	63.9	59.4	48.9	41.9	33.4	33.4	42.9	64.4	427.2	632.9	763.1
67.5°	39.4	37.4	28.9	21.0	20.5	22.0	22.5	31.9	68.9	109.8	134.3
70°	25.5	23.5	19.5	13.5	12.5	13.0	13.5	15.0	17.5	19.0	23.0
72.5°	17.5	16.5	14.0	7.5	6.0	6.5	7.0	7.0	8.5	8.0	9.5
75°	12.5	11.5	10.0	3.5	2.0	2.5	3.0	2.5	3.0	2.0	2.5
77.5°	3.5	3.5	2.5	0.5	0.0	0.5	1.0	1.0	0.5	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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-SA2B-760-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4	634.4
2.5°	719.2	730.7	735.2	728.7	734.2	725.2	721.7	708.2	707.2	704.8
5°	816.1	842.0	857.5	867.0	856.0	844.0	826.0	795.1	785.6	779.6
7.5°	911.4	951.8	978.3	990.7	987.8	963.3	930.9	878.9	860.5	851.5
10°	994.2	1043.7	1075.6	1091.1	1084.6	1063.1	1016.7	951.8	927.4	921.9
12.5°	1052.1	1097.6	1119.5	1133.0	1133.5	1125.0	1081.1	1015.7	986.8	979.8
15°	1088.6	1108.0	1108.5	1116.5	1130.5	1149.5	1129.0	1071.1	1040.2	1029.7
17.5°	1111.5	1090.1	1068.1	1070.1	1093.1	1143.5	1164.4	1120.0	1087.1	1075.6
20°	1128.0	1060.1	1019.2	1019.7	1043.2	1119.5	1188.9	1167.4	1133.5	1123.0
22.5°	1138.5	1033.7	975.3	973.8	998.7	1091.1	1211.4	1223.8	1190.4	1178.4
25°	1159.9	1021.2	948.8	957.3	979.3	1082.1	1241.8	1298.7	1267.8	1251.8
27.5°	1198.4	1033.7	946.3	965.8	990.7	1108.5	1294.7	1398.5	1366.6	1348.6
30°	1264.8	1080.6	984.8	1011.7	1041.7	1177.9	1383.6	1537.8	1491.9	1474.9
32.5°	1371.6	1177.9	1103.5	1161.4	1190.4	1291.7	1516.8	1694.0	1656.6	1622.6
35°	1518.8	1400.0	1391.5	1526.3	1519.3	1507.3	1680.5	1885.7	1829.3	1796.3
37.5°	1721.5	1757.4	1820.3	1954.0	1949.5	1858.2	1895.6	2066.8	2037.9	1995.5
40°	1974.5	2050.9	2157.7	2349.3	2289.4	2174.7	2159.7	2252.5	2229.1	2179.1
42.5°	2123.7	2255.5	2459.1	2631.3	2583.4	2382.8	2365.8	2500.6	2449.2	2394.8
45°	2193.1	2422.2	2821.5	3054.6	2909.3	2521.0	2514.5	2824.0	2795.1	2722.2
47.5°	2225.1	2590.4	3245.8	3598.6	3327.1	2642.3	2618.9	3293.2	3255.2	3169.4
50°	2260.5	2822.5	3756.8	4229.0	3831.7	2779.6	2796.5	3730.4	3714.4	3613.1
52.5°	2338.4	3068.1	4386.2	4949.7	4443.6	2994.7	3101.5	4142.7	4034.9	3918.1
55°	2455.2	3335.6	5041.1	5685.9	5068.0	3283.7	3431.4	4361.8	4059.3	3930.0
57.5°	2325.9	3402.5	5428.9	6200.0	5345.0	3284.7	3152.4	3982.0	3570.2	3444.9
60°	1845.7	3165.4	5279.7	6088.7	5109.0	2916.8	2413.7	3109.0	2704.7	2620.9
62.5°	1247.8	2654.8	4647.8	5149.4	4372.8	2294.4	1568.7	2021.9	1674.5	1605.2
65°	683.8	1980.5	3755.4	3895.6	3422.4	1602.7	807.1	877.4	668.3	637.4
67.5°	188.7	1378.6	2763.1	2584.4	2401.2	1043.7	208.6	156.7	111.8	110.8
70°	47.4	911.9	1655.6	1706.5	1472.4	668.3	39.9	19.0	15.0	14.5
72.5°	20.0	392.3	785.6	902.9	753.7	309.5	14.5	5.5	4.5	3.5
75°	2.5	31.4	66.9	101.3	69.4	33.4	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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