

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: P635401

Luminaire Tested: GWS-SA3D-760-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-760-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

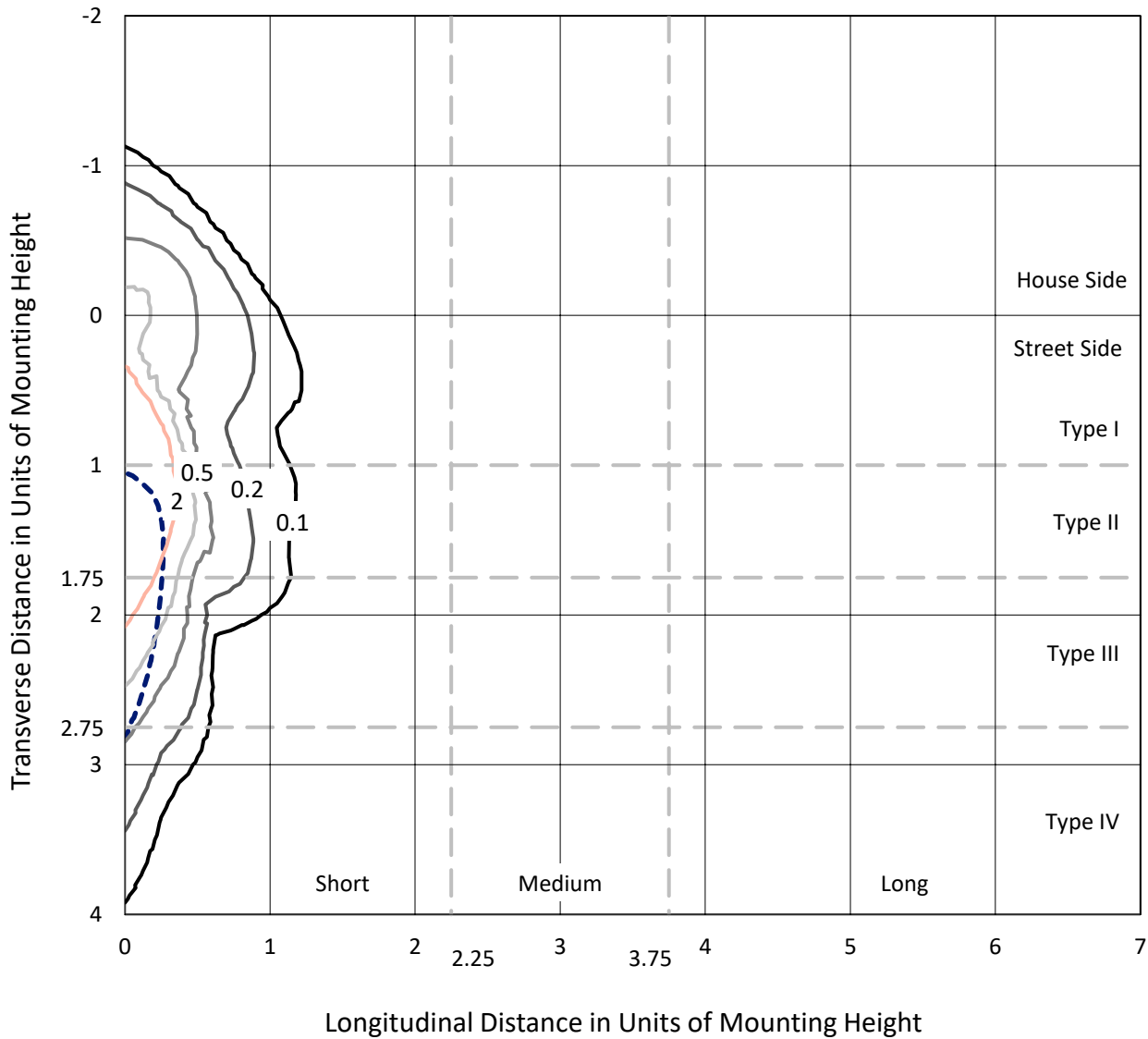
Lumens per Lamp: N/A  
Luminaire Lumens: 10749.9 lumens  
Efficiency: N/A  
Efficacy: 89.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

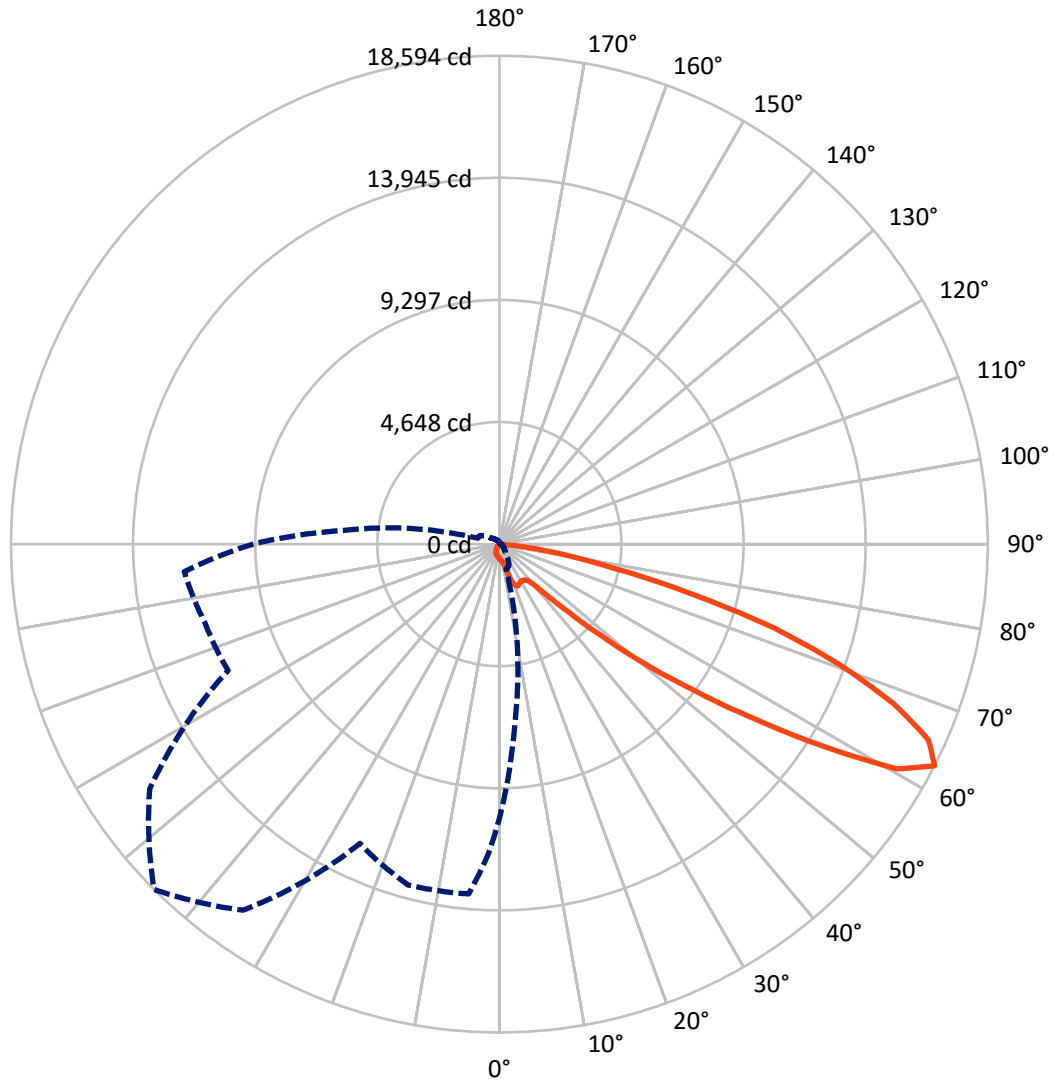
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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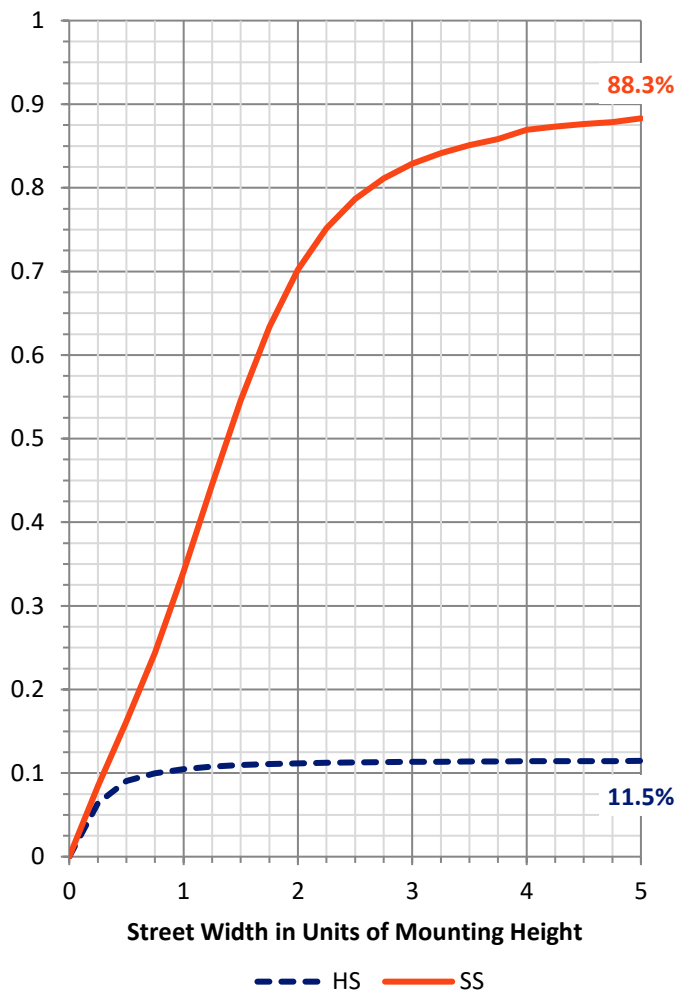
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1249.0	0.0	1249.0
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	9500.9	0.0	9500.9
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	10749.9	0.0	10749.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.1	0.4
10°-20°	165.0	1.5
20°-30°	372.8	3.5
30°-40°	642.2	6.0
40°-50°	1211.4	11.3
50°-60°	2704.8	25.2
60°-70°	3617.6	33.7
70°-80°	1814.1	16.9
80°-90°	173.9	1.6
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°	10749.9	100.0
0°-180°	10749.9	100.0

**Coefficient of Utilization**

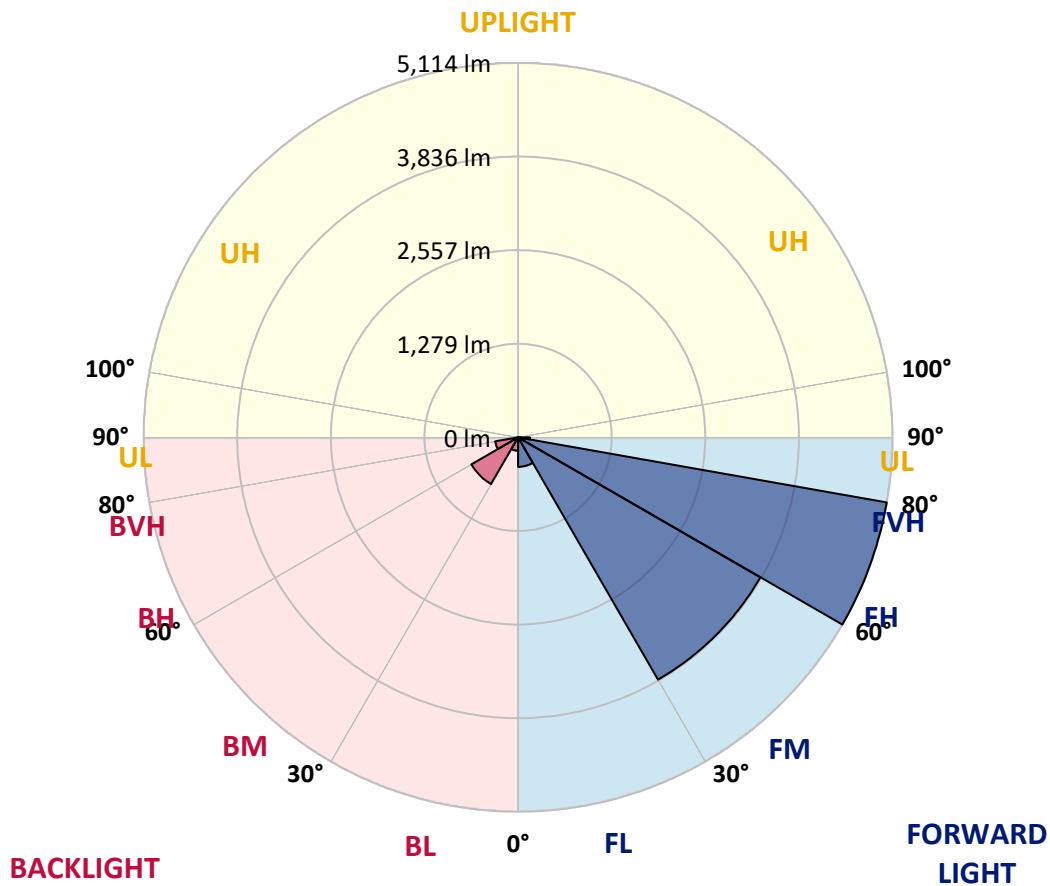


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.6	3.7			
FM (30°-60°)	3821.9	35.6			
FH (60°-80°)	5114.1	47.6			G3/7500
FVH (80°-90°)	162.3	1.5			G2/225
BL (0°-30°)	183.3	1.7	B1/500		
BM (30°-60°)	736.5	6.9	B1/1000		
BH (60°-80°)	317.6	3.0	B1/500		G1/500
BVH (80°-90°)	11.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5
2.5°	551.1	549.9	547.3	539.7	533.3	529.5	521.9	521.9	520.6	518.0	513.0
5°	533.3	528.2	523.1	509.1	493.9	485.0	474.8	473.5	473.5	471.0	469.7
7.5°	505.3	500.2	493.9	471.0	457.0	448.0	439.1	437.9	434.0	434.0	434.0
10°	490.0	482.4	472.2	446.8	432.8	425.1	418.8	414.9	412.4	408.6	407.3
12.5°	523.1	509.1	487.5	441.7	422.6	412.4	404.8	402.2	394.6	389.5	385.7
15°	626.2	591.9	548.6	453.1	418.8	403.5	393.3	388.2	381.9	372.9	366.6
17.5°	795.5	745.9	673.3	490.0	414.9	395.9	383.1	374.2	365.3	355.1	347.5
20°	1029.7	955.9	869.4	557.5	414.9	386.9	371.7	360.2	347.5	336.0	327.1
22.5°	1327.6	1253.8	1106.1	672.1	420.0	375.5	357.7	342.4	327.1	316.9	306.8
25°	1661.1	1556.7	1419.2	810.8	434.0	360.2	341.1	325.8	311.8	299.1	287.7
27.5°	2032.7	1919.4	1736.2	1008.1	464.6	344.9	323.3	309.3	296.6	283.8	268.6
30°	2375.1	2307.7	2120.6	1244.8	514.2	334.8	309.3	296.6	283.8	267.3	253.3
32.5°	2786.3	2666.6	2512.6	1514.7	580.4	324.6	297.8	280.0	269.8	254.6	239.3
35°	3199.9	3098.1	2895.7	1846.9	654.2	314.4	283.8	267.3	258.4	240.6	224.0
37.5°	3626.3	3603.4	3403.6	2214.7	726.8	302.9	267.3	257.1	248.2	227.8	208.7
40°	4046.4	4004.4	3819.8	2634.8	771.3	290.2	253.3	246.9	236.7	213.8	192.2
42.5°	4448.6	4416.8	4237.3	3037.0	765.0	278.8	239.3	231.7	224.0	201.1	174.4
45°	4942.4	4890.3	4663.7	3334.8	700.1	291.5	225.3	212.6	211.3	189.7	156.6
47.5°	5866.5	5694.7	5310.3	3564.0	635.1	324.6	210.0	194.7	203.7	178.2	138.7
50°	7161.0	6958.6	6402.4	3742.2	633.9	367.9	207.5	178.2	197.3	169.3	123.5
52.5°	8461.9	8105.5	7429.6	3837.6	681.0	399.7	230.4	161.7	189.7	160.4	112.0
55°	9708.0	8968.5	7859.8	3522.0	717.9	434.0	272.4	152.7	175.7	150.2	105.6
57.5°	10895.5	9662.2	8046.9	2786.3	841.3	448.0	297.8	156.6	155.3	137.5	100.6
60°	11058.5	9629.1	7668.9	1620.3	927.9	423.9	287.7	174.4	136.2	122.2	91.6
62.5°	10442.4	8988.8	6807.2	1010.6	861.7	414.9	255.8	198.6	123.5	108.2	80.2
65°	9506.9	7984.5	5675.6	651.7	653.0	460.8	224.0	194.7	115.8	95.5	68.7
67.5°	8044.4	6682.4	4471.5	436.6	369.1	393.3	196.0	133.6	113.3	81.5	53.5
70°	5871.6	4756.6	2911.0	291.5	220.2	314.4	164.2	95.5	106.9	67.5	38.2
72.5°	4292.0	3196.1	1625.4	190.9	124.7	183.3	120.9	68.7	82.7	49.6	26.7
75°	3089.2	2199.5	927.9	122.2	82.7	100.6	78.9	47.1	53.5	39.5	24.2
77.5°	1486.7	1071.7	421.3	67.5	56.0	50.9	42.0	29.3	33.1	35.6	21.6
80°	56.0	42.0	31.8	33.1	35.6	22.9	19.1	15.3	19.1	24.2	11.5
82.5°	0.0	0.0	0.0	3.8	5.1	6.4	7.6	6.4	7.6	8.9	1.3
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°	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5
2.5°	516.8	514.2	516.8	519.3	521.9	524.4	520.6	523.1	525.7	519.3	521.9
5°	476.0	474.8	482.4	486.2	491.3	493.9	491.3	491.3	490.0	482.4	482.4
7.5°	440.4	441.7	448.0	457.0	463.3	467.1	464.6	463.3	459.5	448.0	448.0
10°	413.7	413.7	423.9	431.5	440.4	444.2	441.7	437.9	434.0	422.6	421.3
12.5°	392.0	392.0	399.7	412.4	422.6	427.7	426.4	421.3	414.9	403.5	402.2
15°	371.7	370.4	381.9	393.3	407.3	413.7	411.1	407.3	395.9	385.7	383.1
17.5°	351.3	350.0	360.2	375.5	390.8	399.7	398.4	389.5	379.3	366.6	364.0
20°	330.9	328.4	341.1	356.4	371.7	380.6	378.0	370.4	357.7	344.9	342.4
22.5°	310.6	309.3	318.2	330.9	344.9	352.6	351.3	344.9	332.2	320.8	320.8
25°	287.7	287.7	294.0	302.9	313.1	316.9	318.2	315.7	308.0	301.7	301.7
27.5°	268.6	264.8	267.3	269.8	274.9	281.3	281.3	283.8	285.1	282.6	283.8
30°	253.3	246.9	243.1	238.0	235.5	238.0	240.6	249.5	258.4	263.5	266.0
32.5°	235.5	227.8	217.7	203.7	194.7	192.2	199.8	216.4	232.9	244.4	250.8
35°	217.7	207.5	188.4	168.0	156.6	152.7	161.7	180.7	204.9	225.3	234.2
37.5°	199.8	185.8	159.1	134.9	122.2	119.6	128.6	148.9	176.9	204.9	216.4
40°	179.5	162.9	131.1	105.6	95.5	92.9	100.6	120.9	150.2	182.0	199.8
42.5°	159.1	138.7	105.6	84.0	73.8	73.8	84.0	99.3	126.0	160.4	182.0
45°	138.7	117.1	86.6	67.5	61.1	62.4	68.7	84.0	105.6	141.3	161.7
47.5°	119.6	100.6	71.3	56.0	50.9	52.2	59.8	72.6	90.4	122.2	143.8
50°	103.1	85.3	62.4	47.1	43.3	45.8	53.5	64.9	80.2	108.2	126.0
52.5°	92.9	76.4	57.3	40.7	38.2	40.7	48.4	58.6	72.6	95.5	113.3
55°	87.8	75.1	57.3	36.9	33.1	35.6	43.3	53.5	64.9	86.6	101.8
57.5°	86.6	77.6	61.1	33.1	28.0	30.5	38.2	48.4	59.8	78.9	91.6
60°	81.5	73.8	59.8	26.7	21.6	25.5	31.8	42.0	54.7	73.8	85.3
62.5°	71.3	64.9	52.2	21.6	16.5	19.1	26.7	36.9	49.6	67.5	80.2
65°	58.6	52.2	40.7	14.0	10.2	12.7	20.4	31.8	43.3	61.1	72.6
67.5°	43.3	36.9	28.0	8.9	5.1	8.9	16.5	26.7	39.5	54.7	66.2
70°	26.7	21.6	15.3	5.1	3.8	7.6	15.3	25.5	35.6	50.9	62.4
72.5°	15.3	10.2	6.4	2.5	3.8	7.6	15.3	25.5	34.4	48.4	58.6
75°	11.5	6.4	2.5	1.3	2.5	6.4	14.0	22.9	33.1	45.8	56.0
77.5°	7.6	3.8	1.3	0.0	1.3	5.1	12.7	21.6	30.5	43.3	53.5
80°	1.3	0.0	0.0	0.0	0.0	3.8	11.5	19.1	28.0	38.2	47.1
82.5°	0.0	0.0	0.0	0.0	0.0	1.3	8.9	16.5	24.2	31.8	38.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.1	12.7	19.1	24.2	26.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	12.7	15.3	17.8
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°	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5
2.5°	520.6	528.2	528.2	533.3	539.7	551.1	557.5	566.4	572.8	579.1	581.7
5°	481.1	482.4	483.7	486.2	493.9	506.6	518.0	532.0	548.6	561.3	569.0
7.5°	448.0	448.0	448.0	451.9	459.5	468.4	479.9	499.0	518.0	533.3	546.0
10°	420.0	423.9	425.1	431.5	440.4	451.9	464.6	481.1	502.8	523.1	546.0
12.5°	402.2	406.0	412.4	418.8	427.7	440.4	454.4	476.0	520.6	562.6	611.0
15°	385.7	390.8	398.4	407.3	417.5	431.5	446.8	491.3	595.7	674.6	751.0
17.5°	367.9	375.5	385.7	394.6	407.3	422.6	441.7	528.2	733.2	864.3	994.1
20°	344.9	355.1	366.6	380.6	395.9	413.7	441.7	604.6	931.7	1120.1	1291.9
22.5°	323.3	333.5	347.5	365.3	383.1	400.9	448.0	720.4	1187.6	1425.6	1643.2
25°	305.5	318.2	332.2	347.5	367.9	388.2	463.3	883.4	1495.6	1802.3	1956.4
27.5°	288.9	304.2	318.2	330.9	348.8	371.7	497.7	1101.0	1859.6	2171.5	2292.4
30°	272.4	290.2	304.2	316.9	334.8	358.9	549.9	1378.5	2264.4	2567.3	2580.1
32.5°	258.4	274.9	291.5	304.2	320.8	348.8	622.4	1703.1	2679.3	2972.1	2852.4
35°	243.1	262.2	277.5	291.5	309.3	339.8	706.4	2053.1	3098.1	3343.8	3123.6
37.5°	227.8	249.5	268.6	278.8	296.6	330.9	767.5	2418.4	3525.8	3706.5	3361.6
40°	213.8	238.0	259.7	269.8	278.8	319.5	776.4	2792.6	3959.8	4064.2	3585.6
42.5°	198.6	225.3	244.4	258.4	266.0	311.8	723.0	3108.3	4323.8	4420.6	3878.4
45°	182.0	213.8	229.1	239.3	254.6	316.9	654.2	3352.7	4740.1	4906.8	4360.8
47.5°	165.5	201.1	213.8	221.5	241.8	347.5	628.8	3515.6	5426.1	5772.3	5174.1
50°	150.2	189.7	203.7	202.4	239.3	386.9	656.8	3639.1	6457.1	6864.4	6289.1
52.5°	133.6	176.9	193.5	188.4	258.4	417.5	712.8	3737.1	7250.1	8144.9	7787.3
55°	119.6	162.9	178.2	176.9	294.0	440.4	756.1	3220.3	7578.5	9335.0	9475.0
57.5°	109.5	147.6	160.4	182.0	316.9	440.4	874.4	2286.0	7584.9	10210.7	11715.2
60°	100.6	133.6	142.6	199.8	308.0	417.5	865.5	1400.1	6990.5	10150.9	12906.6
62.5°	92.9	120.9	132.4	204.9	272.4	413.7	781.5	868.1	5962.0	9378.3	12042.4
65°	86.6	110.7	127.3	188.4	246.9	442.9	527.0	623.7	4835.5	8497.5	11050.8
67.5°	80.2	101.8	134.9	154.0	224.0	395.9	380.6	442.9	3795.6	7531.4	10140.7
70°	75.1	96.7	142.6	126.0	196.0	309.3	269.8	336.0	2905.9	6284.0	8859.0
72.5°	71.3	90.4	119.6	99.3	159.1	239.3	188.4	244.4	1899.1	4905.5	7222.1
75°	67.5	82.7	87.8	80.2	118.4	156.6	142.6	164.2	1131.6	3585.6	5479.6
77.5°	66.2	77.6	71.3	64.9	80.2	92.9	108.2	110.7	552.4	1793.4	2871.5
80°	58.6	70.0	61.1	53.5	54.7	61.1	80.2	73.8	126.0	455.7	766.3
82.5°	45.8	54.7	50.9	44.5	44.5	44.5	53.5	49.6	40.7	204.9	346.2
85°	31.8	38.2	38.2	35.6	34.4	34.4	33.1	31.8	11.5	12.7	19.1
87.5°	21.6	26.7	28.0	26.7	22.9	20.4	17.8	15.3	5.1	0.0	2.5
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-SA3D-760-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5	557.5
2.5°	590.6	594.4	594.4	589.3	585.5	575.3	565.1	555.0	552.4	551.1
5°	590.6	605.9	613.5	612.2	603.3	586.8	565.1	542.2	535.9	533.3
7.5°	581.7	611.0	633.9	637.7	621.1	591.9	552.4	518.0	509.1	505.3
10°	602.1	659.3	705.2	711.5	692.4	635.1	571.5	513.0	499.0	490.0
12.5°	711.5	805.7	861.7	888.4	851.5	779.0	673.3	569.0	537.1	523.1
15°	933.0	1066.6	1173.6	1173.6	1139.2	1010.6	877.0	707.7	664.4	626.2
17.5°	1216.8	1384.9	1479.0	1468.9	1416.7	1326.3	1165.9	922.8	835.0	795.5
20°	1540.1	1640.7	1662.3	1656.0	1633.1	1580.9	1470.1	1209.2	1090.8	1029.7
22.5°	1820.2	1793.4	1761.6	1736.2	1729.8	1745.1	1729.8	1528.7	1435.8	1327.6
25°	2009.8	1858.4	1762.9	1717.1	1738.7	1826.5	1922.0	1846.9	1773.1	1661.1
27.5°	2112.9	1850.7	1713.2	1666.2	1703.1	1827.8	2035.3	2162.6	2086.2	2032.7
30°	2168.9	1844.3	1681.4	1635.6	1691.6	1848.2	2114.2	2457.9	2460.4	2375.1
32.5°	2249.1	1885.1	1687.8	1645.8	1720.9	1909.3	2213.5	2758.3	2832.1	2786.3
35°	2339.5	1947.4	1717.1	1678.9	1771.8	1990.7	2324.2	3061.2	3215.2	3199.9
37.5°	2424.8	2017.5	1785.8	1748.9	1849.4	2060.7	2431.1	3359.0	3572.9	3626.3
40°	2513.9	2115.5	1997.1	2032.7	2088.7	2171.5	2526.6	3617.4	3966.2	4046.4
42.5°	2723.9	2455.3	2636.1	2703.5	2711.2	2540.6	2735.3	3948.4	4353.1	4448.6
45°	3192.3	3059.9	3578.0	3673.4	3623.8	3107.0	3238.1	4425.7	4894.1	4942.4
47.5°	3784.2	3845.3	4867.4	5197.0	4899.2	3775.3	3847.8	5429.9	5884.4	5866.5
50°	4474.0	4763.0	6331.1	7108.8	6396.0	4643.3	4550.4	6664.6	7215.7	7161.0
52.5°	5289.9	5829.6	8090.2	9195.0	8520.4	5619.6	5581.4	8300.2	8636.2	8461.9
55°	6317.1	6859.4	10114.0	11658.0	10698.2	6811.0	6942.1	10196.7	10261.7	9708.0
57.5°	7849.6	8202.2	12499.3	14482.4	12971.5	8430.0	9380.9	12720.8	11944.4	10895.5
60°	10632.1	9929.4	14804.4	17371.8	15389.9	10707.2	12597.3	14216.4	12504.4	11058.5
62.5°	11600.7	11395.8	16247.8	18593.7	17016.6	12577.0	13433.6	13368.7	11778.9	10442.4
65°	10133.1	11030.5	15989.5	17948.4	16807.9	12268.9	12055.1	12433.1	10961.7	9506.9
67.5°	9360.5	10172.6	15010.6	16167.7	15650.9	11223.9	10745.3	10642.2	9202.7	8044.4
70°	8581.5	9385.9	13591.4	13735.2	13494.7	9520.9	8892.1	8200.9	6878.4	5871.6
72.5°	7644.7	8087.6	11622.3	10940.1	10667.7	7478.0	7345.6	6175.8	5156.3	4292.0
75°	6667.2	6538.6	9061.4	7508.5	7712.2	5818.2	6203.8	4535.1	3777.8	3089.2
77.5°	4849.5	4754.1	6068.9	4560.6	5050.6	3810.9	3423.9	1810.0	1723.4	1486.7
80°	2706.1	3262.3	3277.6	2555.9	3188.5	2484.6	856.6	59.8	38.2	56.0
82.5°	1257.6	1402.7	1776.9	1185.0	1818.9	1230.8	176.9	0.0	0.0	0.0
85°	407.3	595.7	499.0	174.4	440.4	416.2	29.3	0.0	0.0	0.0
87.5°	24.2	49.6	12.7	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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