

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: P635405

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635405  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-760-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

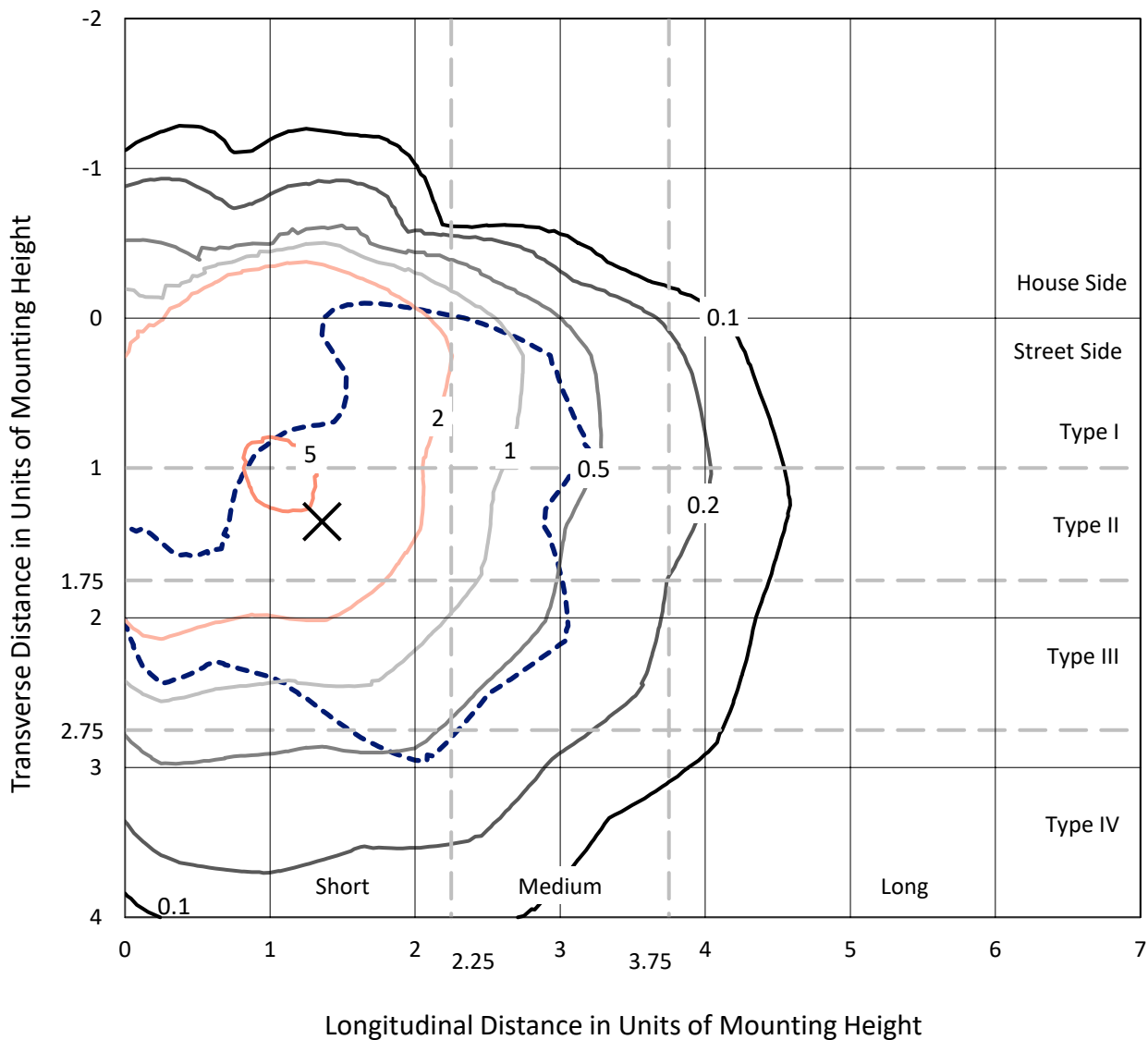
Lumens per Lamp: N/A  
Luminaire Lumens: 11018.5 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

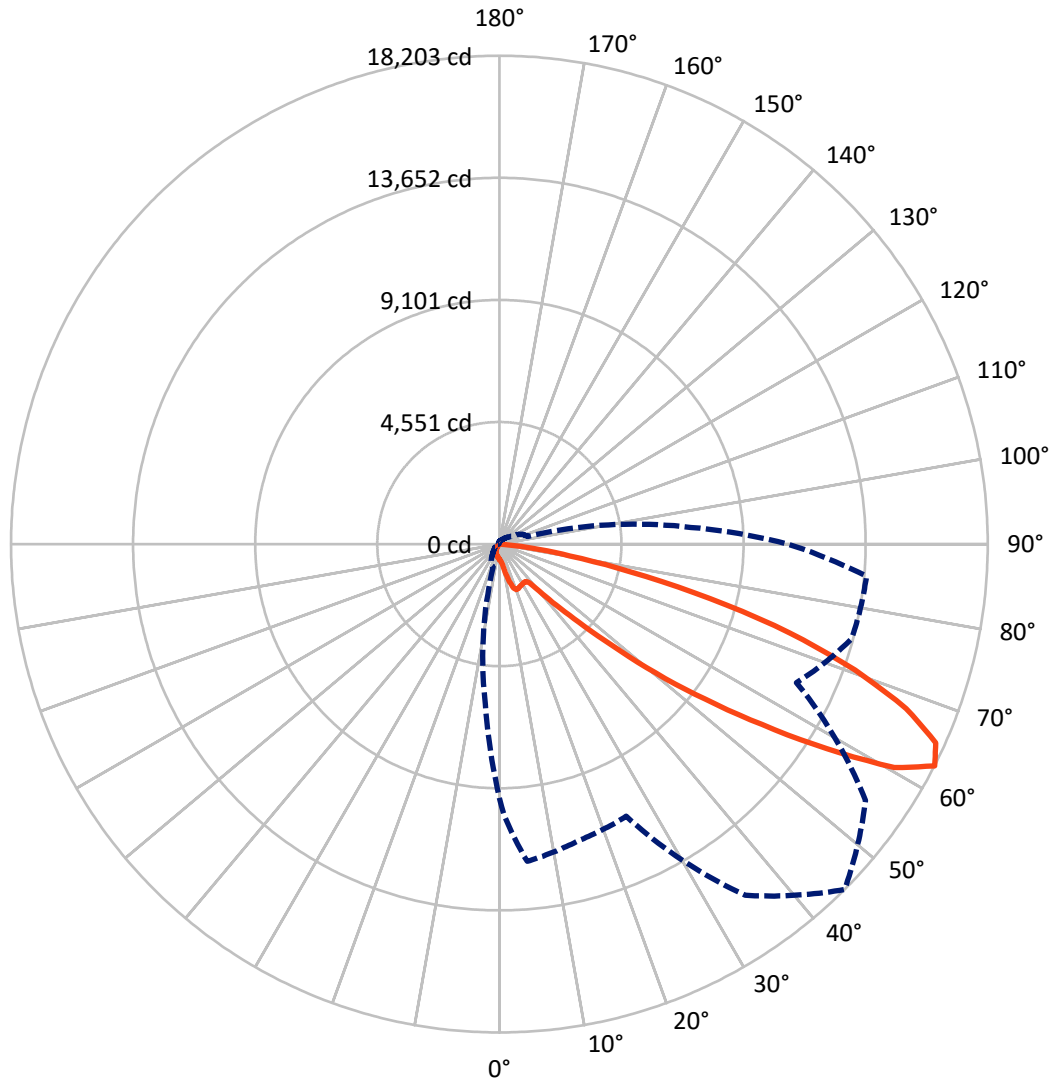
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1359.7	0.0	1359.7
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	9658.8	0.0	9658.8
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	11018.5	0.0	11018.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.8	0.5
10°-20°	192.1	1.7
20°-30°	417.6	3.8
30°-40°	685.4	6.2
40°-50°	1260.0	11.4
50°-60°	2706.0	24.6
60°-70°	3634.6	33.0
70°-80°	1892.6	17.2
80°-90°	179.5	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°	11018.5	100.0
0°-180°	11018.5	100.0

**Coefficient of Utilization**



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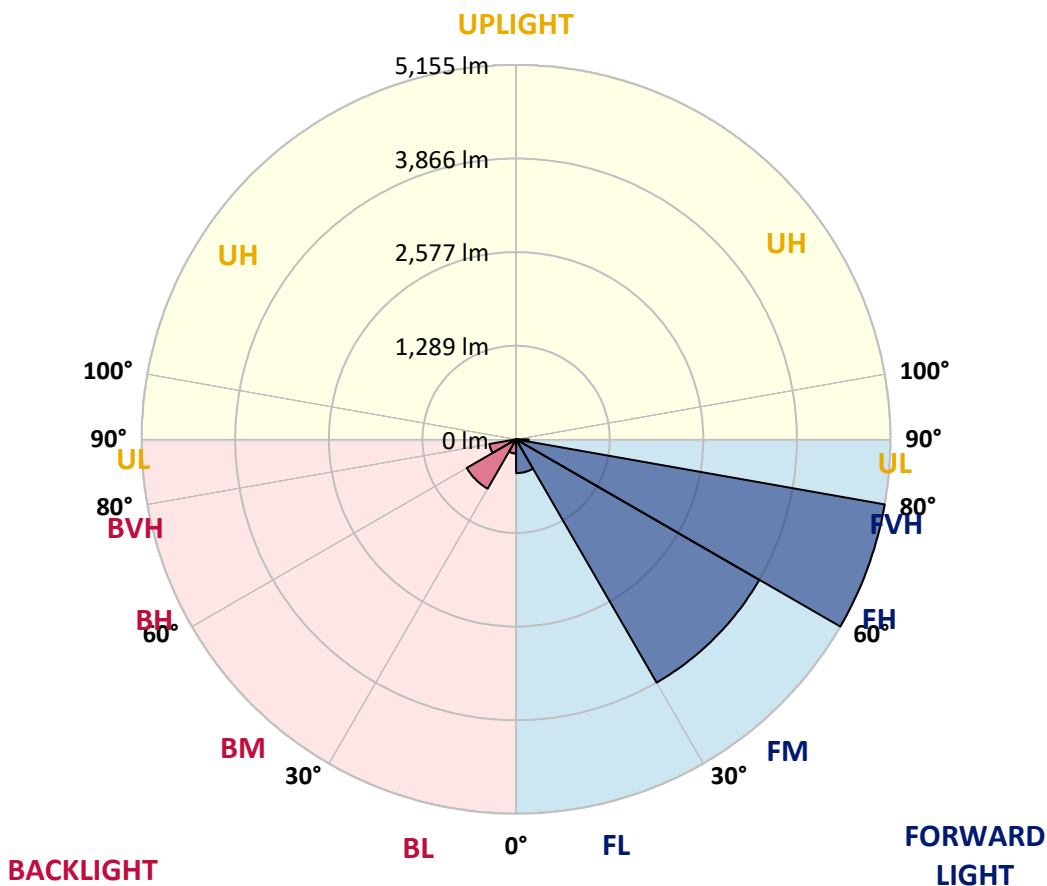
CATALOG NUMBER: GWS-SA3D-760-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.5	4.2			
FM (30°-60°)	3867.4	35.1			
FH (60°-80°)	5154.5	46.8			G3/7500
FVH (80°-90°)	171.4	1.6			G2/225
BL (0°-30°)	195.0	1.8	B1/500		
BM (30°-60°)	784.1	7.1	B1/1000		
BH (60°-80°)	372.6	3.4	B1/500		G1/500
BVH (80°-90°)	8.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7
2.5°	584.2	586.7	589.3	598.2	604.5	609.6	610.9	607.1	598.2	589.3	576.5
5°	566.4	568.9	577.8	602.0	626.2	645.3	651.6	647.8	626.2	598.2	568.9
7.5°	565.1	570.2	591.8	642.7	694.9	734.4	744.6	735.6	694.9	638.9	579.1
10°	610.9	619.8	651.6	743.3	838.7	908.7	936.7	898.6	833.6	731.8	633.8
12.5°	730.6	745.8	806.9	940.6	1088.2	1181.1	1219.3	1172.2	1070.4	922.7	767.5
15°	918.9	941.8	1033.5	1233.3	1407.6	1490.4	1503.1	1476.4	1358.0	1195.1	986.4
17.5°	1184.9	1218.0	1360.6	1564.2	1690.2	1719.5	1715.6	1687.6	1601.1	1489.1	1291.8
20°	1503.1	1542.6	1682.6	1850.6	1863.3	1828.9	1809.8	1793.3	1764.0	1744.9	1590.9
22.5°	1823.8	1872.2	2018.6	2060.6	1946.0	1846.7	1799.6	1812.4	1855.6	1949.8	1887.5
25°	2143.3	2189.1	2326.6	2213.3	1984.2	1818.7	1758.9	1789.5	1892.6	2096.2	2176.4
27.5°	2516.2	2550.6	2632.0	2317.7	1990.6	1795.8	1737.3	1784.4	1910.4	2187.8	2493.3
30°	2904.4	2924.7	2885.3	2345.7	1968.9	1761.5	1715.6	1784.4	1940.9	2248.9	2731.3
32.5°	3189.5	3193.3	3064.7	2348.2	1957.5	1733.5	1695.3	1776.7	1970.2	2299.8	2961.7
35°	3483.5	3464.4	3236.6	2386.4	1988.0	1743.6	1710.6	1798.4	2016.0	2359.7	3164.0
37.5°	3781.3	3746.9	3428.8	2448.7	2066.9	1854.4	1834.0	1909.1	2089.8	2442.4	3386.8
40°	4086.8	4039.7	3628.6	2542.9	2242.6	2231.1	2301.1	2292.2	2292.2	2548.0	3615.8
42.5°	4459.7	4404.9	3923.8	2808.9	2652.4	2908.2	3099.1	2980.7	2761.8	2791.1	3913.7
45°	4952.2	4905.1	4435.5	3318.0	3295.1	3883.1	4140.2	3906.0	3361.3	3352.4	4411.3
47.5°	5740.0	5731.1	5251.3	3908.6	4081.7	5124.0	5620.4	5169.9	4044.8	3946.8	5353.1
50°	6847.3	6820.6	6268.2	4600.9	5017.1	6661.5	7547.3	6796.4	4870.8	4640.4	6614.4
52.5°	8094.6	8122.6	7692.4	5356.9	6011.1	8372.1	9605.3	8659.7	5768.0	5522.4	8201.5
55°	9269.3	9429.7	9316.4	6241.5	6982.2	10260.8	11865.7	10703.7	6879.1	6676.8	9980.8
57.5°	10188.3	10640.1	11434.3	7527.0	8123.9	12470.3	14389.6	12919.5	8176.1	8551.5	12402.8
60°	10239.2	10837.4	12681.5	10216.3	9592.6	14365.4	16909.6	15084.5	10215.0	11734.6	14300.5
62.5°	9471.7	10113.2	11869.5	11438.1	11192.4	15977.9	18202.7	16662.7	12220.8	13599.2	13737.9
65°	8593.5	9241.3	10963.4	10052.1	11006.6	15909.2	17874.3	16699.6	12402.8	12331.5	12731.2
67.5°	7266.1	7847.7	9406.8	8897.7	10145.0	15141.7	16357.2	15647.0	11426.6	11533.5	11711.7
70°	5303.5	5863.5	7310.6	7336.1	8859.5	13758.3	14054.8	13956.8	10523.0	10636.3	10127.2
72.5°	3830.9	4303.1	5551.7	6016.2	7072.6	11537.4	11332.4	11710.4	9028.8	9473.0	8134.1
75°	2754.2	3108.0	4072.8	5233.5	5606.4	8568.1	8112.4	9069.5	7244.4	8157.0	6115.5
77.5°	1117.5	1242.2	1602.4	3525.5	3684.6	5764.2	4966.2	6587.7	5164.8	5359.5	2964.2
80°	45.8	50.9	66.2	1820.0	2526.4	3242.9	2657.5	3521.7	3410.9	2158.6	700.0
82.5°	5.1	5.1	11.5	524.4	1106.0	1789.5	1252.4	2028.7	1727.1	915.1	318.2
85°	1.3	1.3	2.5	59.8	259.6	286.4	169.3	622.4	803.1	374.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	11.5	12.7	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°	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7
2.5°	576.5	570.2	562.5	554.9	551.1	540.9	537.1	534.5	532.0	533.3	533.3
5°	557.5	543.5	526.9	510.4	501.5	491.3	486.2	483.6	484.9	490.0	490.0
7.5°	554.9	528.2	492.5	470.9	460.7	453.1	448.0	445.5	446.7	453.1	455.6
10°	596.9	549.8	486.2	449.3	437.8	430.2	425.1	421.3	418.7	423.8	425.1
12.5°	687.3	622.4	516.7	446.7	426.4	416.2	412.4	404.7	400.9	403.5	404.7
15°	874.4	762.4	577.8	456.9	416.2	404.7	398.4	392.0	385.6	384.4	385.6
17.5°	1118.7	958.4	670.7	481.1	408.5	394.5	385.6	376.7	367.8	366.5	365.3
20°	1421.6	1198.9	800.6	519.3	402.2	385.6	372.9	360.2	348.7	344.9	344.9
22.5°	1697.8	1489.1	967.3	566.4	393.3	372.9	357.6	342.4	329.6	323.3	322.0
25°	2035.1	1797.1	1167.1	621.1	380.5	356.4	339.8	324.5	311.8	304.2	301.6
27.5°	2374.9	2121.7	1393.6	692.4	365.3	339.8	324.5	310.5	296.5	287.6	285.1
30°	2704.6	2471.7	1648.2	781.5	353.8	323.3	310.5	296.5	283.8	269.8	266.0
32.5°	3058.4	2829.3	1933.3	880.7	344.9	311.8	297.8	285.1	268.5	255.8	249.5
35°	3399.5	3198.4	2247.7	977.5	336.0	301.6	286.4	273.6	255.8	241.8	232.9
37.5°	3743.1	3573.8	2576.0	1036.0	323.3	287.6	273.6	263.5	243.1	226.5	216.4
40°	4107.1	3962.0	2931.1	1011.8	311.8	272.4	264.7	253.3	230.4	211.3	198.5
42.5°	4506.8	4332.4	3292.6	918.9	301.6	259.6	252.0	240.5	218.9	196.0	179.5
45°	5009.5	4738.4	3589.1	778.9	306.7	246.9	231.6	229.1	208.7	179.5	159.1
47.5°	5873.7	5362.0	3819.5	688.6	341.1	232.9	215.1	221.5	199.8	162.9	140.0
50°	7196.1	6395.5	4034.6	682.2	393.3	226.5	199.8	216.4	190.9	146.4	123.5
52.5°	8456.1	7445.5	4172.0	738.2	439.1	243.1	184.5	210.0	184.5	134.9	112.0
55°	9661.3	8051.3	3926.4	778.9	482.4	292.7	173.1	199.8	176.9	128.5	108.2
57.5°	10960.8	8321.2	3091.5	861.6	512.9	334.7	175.6	184.5	166.7	124.7	106.9
60°	11349.0	7976.2	1865.8	969.8	496.4	347.5	194.7	164.2	152.7	117.1	103.1
62.5°	10745.7	7157.9	1100.9	883.3	482.4	328.4	222.7	151.5	138.7	106.9	95.5
65°	9843.3	6046.8	717.8	745.8	511.6	292.7	236.7	145.1	126.0	96.7	84.0
67.5°	8812.4	4870.8	502.7	440.4	472.2	263.5	199.8	143.8	113.3	81.5	68.7
70°	7422.6	3647.7	353.8	291.5	393.3	234.2	155.3	140.0	99.3	66.2	53.5
72.5°	5735.0	2283.3	263.5	188.4	280.0	190.9	123.5	118.4	80.2	54.7	40.7
75°	4229.3	1302.0	185.8	136.2	184.5	145.1	91.6	84.0	68.7	52.2	36.9
77.5°	2208.2	651.6	115.8	104.4	105.6	90.4	66.2	61.1	63.6	52.2	34.4
80°	423.8	129.8	70.0	76.4	57.3	57.3	48.4	50.9	56.0	42.0	29.3
82.5°	176.9	28.0	38.2	43.3	35.6	39.5	39.5	40.7	39.5	30.5	21.6
85°	0.0	0.0	16.5	17.8	24.2	24.2	20.4	20.4	20.4	17.8	12.7
87.5°	0.0	0.0	0.0	0.0	1.3	3.8	7.6	8.9	10.2	7.6	5.1
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°	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7
2.5°	532.0	529.5	533.3	535.8	538.4	538.4	535.8	533.3	529.5	533.3	529.5
5°	491.3	495.1	501.5	504.0	506.5	501.5	498.9	491.3	484.9	486.2	483.6
7.5°	459.5	463.3	470.9	476.0	476.0	473.5	465.8	458.2	448.0	448.0	446.7
10°	430.2	435.3	444.2	450.5	453.1	450.5	442.9	432.7	423.8	423.8	420.0
12.5°	406.0	412.4	422.5	431.5	434.0	431.5	423.8	413.6	403.5	403.5	400.9
15°	385.6	393.3	404.7	414.9	418.7	414.9	406.0	393.3	383.1	384.4	380.5
17.5°	366.5	372.9	388.2	399.6	403.5	399.6	388.2	371.6	361.5	364.0	361.5
20°	344.9	352.5	367.8	380.5	384.4	380.5	367.8	350.0	339.8	339.8	341.1
22.5°	322.0	329.6	344.9	353.8	358.9	355.1	342.4	325.8	315.6	315.6	316.9
25°	301.6	305.5	316.9	325.8	327.1	323.3	313.1	300.4	292.7	296.5	297.8
27.5°	282.5	282.5	287.6	292.7	291.5	287.6	283.8	273.6	272.4	276.2	280.0
30°	262.2	255.8	253.3	249.5	248.2	246.9	250.7	250.7	253.3	258.4	262.2
32.5°	244.4	231.6	220.2	208.7	202.4	207.5	217.6	226.5	235.5	243.1	246.9
35°	224.0	203.6	184.5	169.3	159.1	166.7	183.3	199.8	215.1	225.3	231.6
37.5°	203.6	174.4	151.5	132.4	124.7	131.1	148.9	171.8	194.7	207.5	216.4
40°	182.0	145.1	118.4	103.1	95.5	101.8	119.6	142.5	173.1	189.6	201.1
42.5°	160.4	119.6	95.5	80.2	76.4	80.2	94.2	117.1	150.2	170.5	185.8
45°	138.7	99.3	76.4	64.9	61.1	64.9	76.4	95.5	128.5	151.5	169.3
47.5°	119.6	84.0	63.6	53.5	50.9	54.7	63.6	80.2	108.2	131.1	151.5
50°	104.4	73.8	54.7	45.8	43.3	47.1	54.7	67.5	91.6	112.0	133.6
52.5°	94.2	68.7	48.4	39.5	38.2	40.7	47.1	57.3	77.6	95.5	115.8
55°	91.6	68.7	44.5	35.6	34.4	36.9	42.0	49.6	67.5	82.7	100.5
57.5°	94.2	73.8	42.0	30.5	29.3	31.8	36.9	43.3	58.5	71.3	87.8
60°	94.2	75.1	36.9	24.2	22.9	25.5	30.5	38.2	52.2	62.4	76.4
62.5°	85.3	68.7	30.5	19.1	16.5	19.1	25.5	31.8	45.8	56.0	67.5
65°	73.8	58.5	25.5	14.0	11.5	14.0	20.4	26.7	39.5	48.4	61.1
67.5°	59.8	44.5	19.1	10.2	7.6	10.2	15.3	21.6	33.1	42.0	54.7
70°	44.5	31.8	15.3	8.9	7.6	8.9	14.0	20.4	29.3	38.2	50.9
72.5°	33.1	21.6	12.7	8.9	6.4	8.9	12.7	19.1	28.0	36.9	48.4
75°	28.0	17.8	11.5	7.6	6.4	7.6	11.5	17.8	25.5	34.4	45.8
77.5°	26.7	16.5	10.2	6.4	5.1	6.4	10.2	15.3	22.9	31.8	44.5
80°	22.9	14.0	8.9	5.1	3.8	5.1	8.9	12.7	17.8	24.2	34.4
82.5°	17.8	11.5	6.4	2.5	1.3	2.5	6.4	7.6	11.5	14.0	20.4
85°	11.5	6.4	2.5	0.0	0.0	0.0	2.5	5.1	5.1	6.4	10.2
87.5°	5.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.5	3.8
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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CATALOG NUMBER: GWS-SA3D-760-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7	572.7
2.5°	537.1	538.4	540.9	544.7	553.6	561.3	568.9	579.1	584.2	584.2
5°	486.2	487.5	488.7	493.8	506.5	516.7	533.3	553.6	563.8	566.4
7.5°	446.7	449.3	451.8	455.6	468.4	482.4	504.0	542.2	561.3	565.1
10°	423.8	427.6	432.7	440.4	451.8	467.1	504.0	572.7	604.5	610.9
12.5°	406.0	412.4	417.5	426.4	440.4	464.5	538.4	659.3	715.3	730.6
15°	388.2	395.8	403.5	412.4	427.6	473.5	604.5	814.6	907.5	918.9
17.5°	370.4	379.3	389.5	399.6	418.7	495.1	708.9	1029.6	1159.5	1184.9
20°	350.0	361.5	375.5	388.2	409.8	529.5	854.0	1285.5	1448.4	1503.1
22.5°	328.4	342.4	358.9	375.5	399.6	571.5	1029.6	1560.4	1788.2	1823.8
25°	310.5	324.5	339.8	356.4	383.1	622.4	1242.2	1901.5	2108.9	2143.3
27.5°	294.0	308.0	322.0	337.3	366.5	688.6	1498.0	2264.2	2480.6	2516.2
30°	276.2	292.7	306.7	322.0	351.3	770.0	1793.3	2666.4	2871.3	2904.4
32.5°	260.9	277.5	291.5	306.7	339.8	859.1	2103.8	3022.7	3189.5	3189.5
35°	248.2	266.0	276.2	296.5	330.9	916.4	2397.8	3362.6	3488.6	3483.5
37.5°	234.2	255.8	263.5	277.5	319.5	922.7	2674.0	3721.5	3814.4	3781.3
40°	220.2	243.1	254.5	262.2	306.7	870.6	2976.9	4051.1	4130.0	4086.8
42.5°	207.5	225.3	241.8	250.7	299.1	778.9	3220.0	4403.7	4497.9	4459.7
45°	194.7	210.0	220.2	236.7	304.2	715.3	3428.8	4814.8	4980.2	4952.2
47.5°	182.0	194.7	201.1	226.5	338.5	686.0	3556.0	5451.1	5763.0	5740.0
50°	168.0	183.3	183.3	224.0	389.5	696.2	3666.8	6372.6	6855.0	6847.3
52.5°	154.0	170.5	168.0	243.1	428.9	743.3	3792.8	7185.9	8024.6	8094.6
55°	140.0	155.3	157.8	281.3	451.8	784.0	3305.3	7528.2	9023.7	9269.3
57.5°	124.7	133.6	164.2	310.5	444.2	902.4	2264.2	7590.6	9661.3	10188.3
60°	108.2	115.8	185.8	304.2	420.0	833.6	1425.5	7030.6	9571.0	10239.2
62.5°	94.2	106.9	196.0	268.5	427.6	722.9	908.7	5992.0	8709.3	9471.7
65°	82.7	103.1	178.2	243.1	432.7	490.0	613.5	4874.6	7868.1	8593.5
67.5°	73.8	114.5	146.4	216.4	371.6	344.9	421.3	3787.7	6615.7	7266.1
70°	67.5	117.1	119.6	185.8	287.6	221.5	277.5	2549.3	4560.2	5303.5
72.5°	61.1	86.5	90.4	148.9	185.8	134.9	179.5	1458.6	3324.4	3830.9
75°	58.5	58.5	62.4	96.7	103.1	98.0	115.8	870.6	2383.8	2754.2
77.5°	54.7	44.5	39.5	62.4	56.0	70.0	68.7	386.9	1033.5	1117.5
80°	43.3	31.8	26.7	39.5	38.2	47.1	40.7	31.8	47.1	45.8
82.5°	26.7	20.4	19.1	24.2	21.6	24.2	19.1	5.1	5.1	5.1
85°	12.7	11.5	10.2	10.2	11.5	10.2	7.6	2.5	1.3	1.3
87.5°	6.4	6.4	5.1	3.8	5.1	5.1	3.8	1.3	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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