

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: P634415

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634415  
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-SA3B-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**

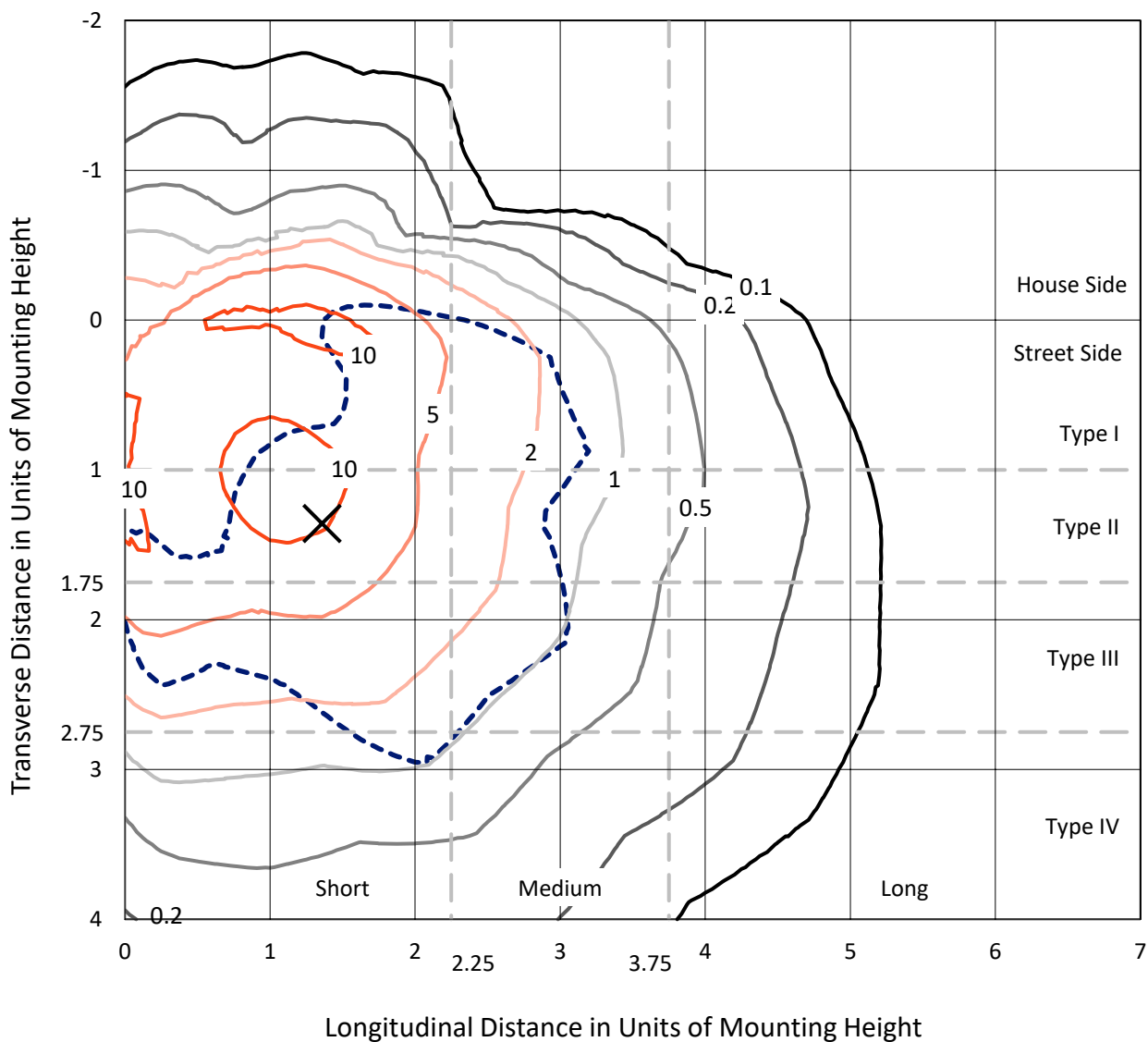
Lumens per Lamp: N/A  
Luminaire Lumens: 6512.5 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

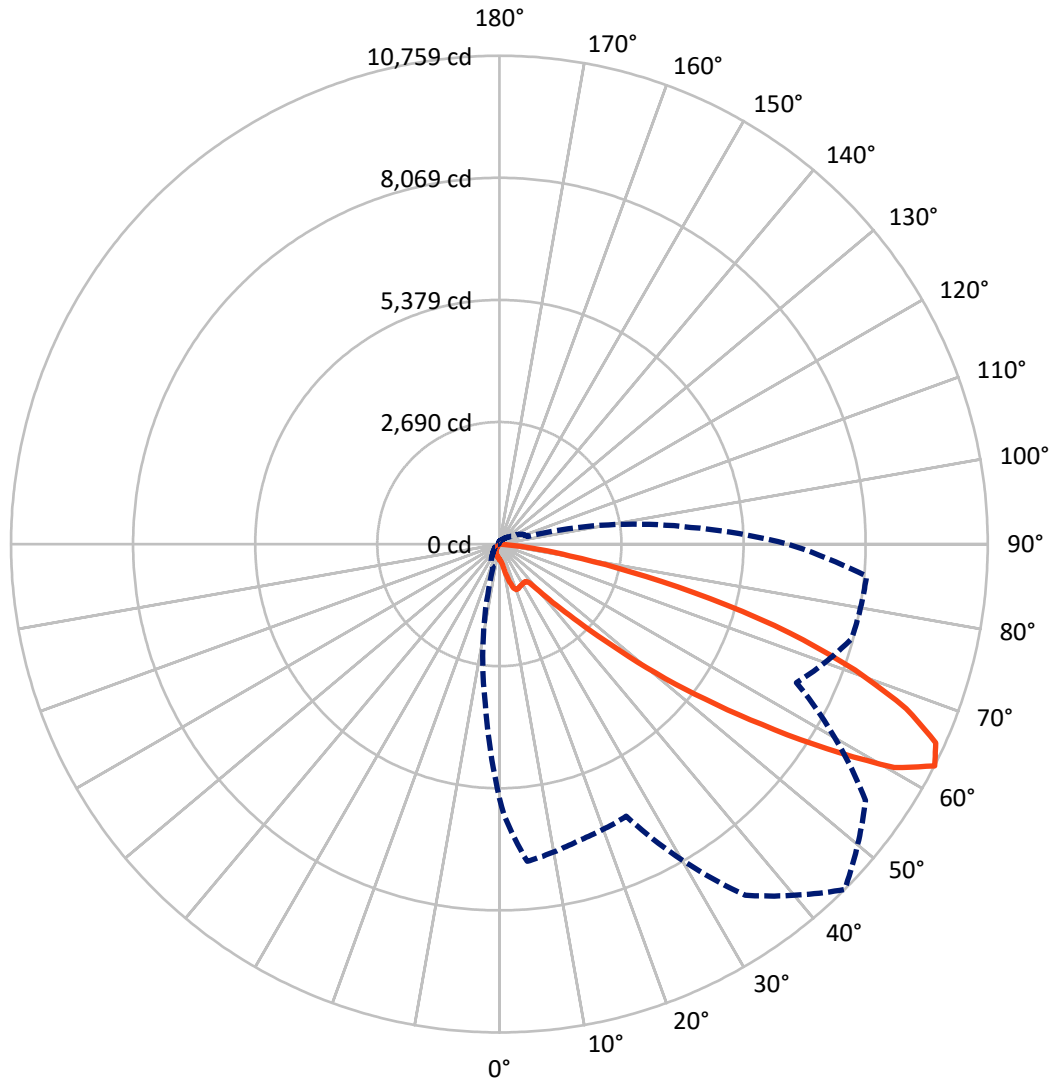
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 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	803.6	0.0	803.6
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	5708.9	0.0	5708.9
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	6512.5	0.0	6512.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.0	0.5
10°-20°	113.5	1.7
20°-30°	246.8	3.8
30°-40°	405.1	6.2
40°-50°	744.7	11.4
50°-60°	1599.4	24.6
60°-70°	2148.2	33.0
70°-80°	1118.6	17.2
80°-90°	106.1	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°	6512.5	100.0
0°-180°	6512.5	100.0

**Coefficient of Utilization**



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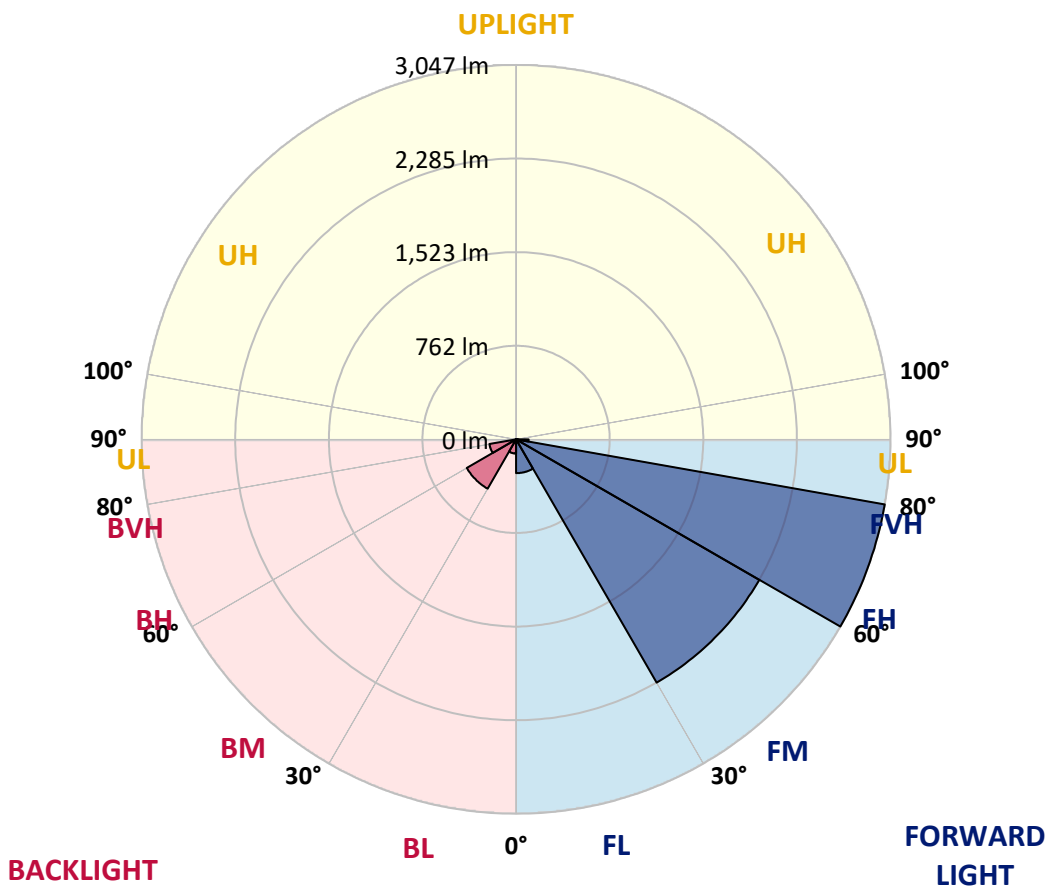
CATALOG NUMBER: GWS-SA3B-760-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.1	4.2			
FM (30°-60°)	2285.8	35.1			
FH (60°-80°)	3046.6	46.8			G2/5000
FVH (80°-90°)	101.3	1.6			G2/225
BL (0°-30°)	115.3	1.8	B1/500		
BM (30°-60°)	463.4	7.1	B1/1000		
BH (60°-80°)	220.2	3.4	B1/500		G1/500
BVH (80°-90°)	4.7	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-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5
2.5°	345.3	346.8	348.3	353.6	357.3	360.3	361.1	358.8	353.6	348.3	340.8
5°	334.8	336.3	341.5	355.8	370.1	381.4	385.2	382.9	370.1	353.6	336.3
7.5°	334.0	337.0	349.8	379.9	410.7	434.0	440.1	434.8	410.7	377.6	342.3
10°	361.1	366.3	385.2	439.3	495.7	537.1	553.7	531.1	492.7	432.5	374.6
12.5°	431.8	440.8	476.9	555.9	643.2	698.1	720.7	692.8	632.6	545.4	453.6
15°	543.1	556.7	610.8	728.9	832.0	880.9	888.4	872.6	802.7	706.4	583.0
17.5°	700.3	719.9	804.2	924.5	999.0	1016.3	1014.0	997.5	946.3	880.1	763.5
20°	888.4	911.7	994.5	1093.8	1101.3	1081.0	1069.7	1059.9	1042.6	1031.3	940.3
22.5°	1078.0	1106.6	1193.1	1217.9	1150.2	1091.5	1063.7	1071.2	1096.8	1152.5	1115.6
25°	1266.8	1293.9	1375.1	1308.2	1172.8	1075.0	1039.6	1057.7	1118.6	1239.0	1286.4
27.5°	1487.2	1507.5	1555.7	1369.9	1176.5	1061.4	1026.8	1054.7	1129.1	1293.1	1473.7
30°	1716.6	1728.7	1705.4	1386.4	1163.7	1041.1	1014.0	1054.7	1147.2	1329.2	1614.3
32.5°	1885.1	1887.4	1811.4	1387.9	1157.0	1024.6	1002.0	1050.1	1164.5	1359.3	1750.5
35°	2058.9	2047.6	1913.0	1410.5	1175.0	1030.6	1011.0	1062.9	1191.6	1394.7	1870.1
37.5°	2234.9	2214.6	2026.6	1447.3	1221.7	1096.0	1084.0	1128.4	1235.2	1443.6	2001.7
40°	2415.5	2387.6	2144.7	1503.0	1325.5	1318.7	1360.1	1354.8	1354.8	1506.0	2137.1
42.5°	2635.9	2603.5	2319.2	1660.2	1567.7	1718.9	1831.7	1761.8	1632.4	1649.7	2313.2
45°	2927.0	2899.2	2621.6	1961.1	1947.6	2295.1	2447.1	2308.7	1986.7	1981.4	2607.3
47.5°	3392.7	3387.4	3103.8	2310.2	2412.5	3028.6	3321.9	3055.7	2390.7	2332.7	3164.0
50°	4047.1	4031.3	3704.8	2719.4	2965.4	3937.3	4460.9	4017.0	2878.9	2742.7	3909.5
52.5°	4784.3	4800.9	4546.6	3166.2	3552.9	4948.3	5677.3	5118.3	3409.2	3264.0	4847.5
55°	5478.7	5573.4	5506.5	3689.0	4126.9	6064.7	7013.3	6326.4	4065.9	3946.3	5899.2
57.5°	6021.8	6288.8	6758.2	4448.8	4801.6	7370.6	8505.0	7636.1	4832.5	5054.4	7330.7
60°	6051.9	6405.4	7495.4	6038.3	5669.7	8490.7	9994.4	8915.7	6037.6	6935.8	8452.3
62.5°	5598.3	5977.4	7015.5	6760.5	6615.3	9443.8	10758.7	9848.5	7223.1	8037.8	8119.8
65°	5079.2	5462.1	6479.9	5941.3	6505.5	9403.2	10564.6	9870.3	7330.7	7288.6	7524.8
67.5°	4294.6	4638.4	5559.9	5259.0	5996.2	8949.5	9668.0	9248.2	6753.7	6816.9	6922.2
70°	3134.6	3465.6	4320.9	4336.0	5236.4	8131.9	8307.1	8249.2	6219.6	6286.6	5985.7
72.5°	2264.3	2543.4	3281.3	3555.9	4180.3	6819.2	6698.1	6921.5	5336.5	5599.0	4807.6
75°	1627.9	1837.0	2407.2	3093.3	3313.7	5064.2	4794.9	5360.6	4281.8	4821.2	3614.6
77.5°	660.5	734.2	947.1	2083.7	2177.8	3407.0	2935.3	3893.7	3052.6	3167.7	1752.0
80°	27.1	30.1	39.1	1075.7	1493.2	1916.7	1570.7	2081.5	2016.0	1275.8	413.7
82.5°	3.0	3.0	6.8	309.9	653.7	1057.7	740.2	1199.1	1020.8	540.9	188.1
85°	0.8	0.8	1.5	35.4	153.5	169.3	100.0	367.9	474.7	221.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	6.8	7.5	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°	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5
2.5°	340.8	337.0	332.5	328.0	325.7	319.7	317.5	315.9	314.4	315.2	315.2
5°	329.5	321.2	311.4	301.7	296.4	290.4	287.4	285.9	286.6	289.6	289.6
7.5°	328.0	312.2	291.1	278.3	272.3	267.8	264.8	263.3	264.0	267.8	269.3
10°	352.8	325.0	287.4	265.5	258.8	254.3	251.3	249.0	247.5	250.5	251.3
12.5°	406.2	367.9	305.4	264.0	252.0	246.0	243.7	239.2	237.0	238.5	239.2
15°	516.8	450.6	341.5	270.1	246.0	239.2	235.5	231.7	227.9	227.2	227.9
17.5°	661.2	566.4	396.4	284.4	241.5	233.2	227.9	222.7	217.4	216.6	215.9
20°	840.3	708.6	473.2	306.9	237.7	227.9	220.4	212.9	206.1	203.9	203.9
22.5°	1003.5	880.1	571.7	334.8	232.4	220.4	211.4	202.4	194.8	191.1	190.3
25°	1202.9	1062.2	689.8	367.1	224.9	210.6	200.9	191.8	184.3	179.8	178.3
27.5°	1403.7	1254.0	823.7	409.2	215.9	200.9	191.8	183.5	175.3	170.0	168.5
30°	1598.5	1460.9	974.2	461.9	209.1	191.1	183.5	175.3	167.8	159.5	157.2
32.5°	1807.7	1672.3	1142.7	520.6	203.9	184.3	176.0	168.5	158.7	151.2	147.4
35°	2009.3	1890.4	1328.5	577.7	198.6	178.3	169.3	161.7	151.2	142.9	137.7
37.5°	2212.4	2112.3	1522.6	612.3	191.1	170.0	161.7	155.7	143.7	133.9	127.9
40°	2427.5	2341.8	1732.4	598.0	184.3	161.0	156.5	149.7	136.2	124.9	117.4
42.5°	2663.7	2560.7	1946.1	543.1	178.3	153.5	148.9	142.2	129.4	115.8	106.1
45°	2960.9	2800.6	2121.4	460.4	181.3	145.9	136.9	135.4	123.4	106.1	94.0
47.5°	3471.6	3169.2	2257.5	407.0	201.6	137.7	127.1	130.9	118.1	96.3	82.7
50°	4253.2	3780.1	2384.6	403.2	232.4	133.9	118.1	127.9	112.8	86.5	73.0
52.5°	4998.0	4400.7	2465.9	436.3	259.5	143.7	109.1	124.1	109.1	79.7	66.2
55°	5710.3	4758.8	2320.7	460.4	285.1	173.0	102.3	118.1	104.6	76.0	63.9
57.5°	6478.4	4918.2	1827.2	509.3	303.2	197.8	103.8	109.1	98.5	73.7	63.2
60°	6707.8	4714.4	1102.8	573.2	293.4	205.4	115.1	97.0	90.3	69.2	60.9
62.5°	6351.3	4230.7	650.7	522.1	285.1	194.1	131.6	89.5	82.0	63.2	56.4
65°	5817.9	3574.0	424.3	440.8	302.4	173.0	139.9	85.8	74.5	57.2	49.6
67.5°	5208.6	2878.9	297.1	260.3	279.1	155.7	118.1	85.0	67.0	48.1	40.6
70°	4387.1	2156.0	209.1	172.3	232.4	138.4	91.8	82.7	58.7	39.1	31.6
72.5°	3389.7	1349.5	155.7	111.3	165.5	112.8	73.0	70.0	47.4	32.3	24.1
75°	2499.7	769.6	109.8	80.5	109.1	85.8	54.2	49.6	40.6	30.8	21.8
77.5°	1305.2	385.2	68.5	61.7	62.4	53.4	39.1	36.1	37.6	30.8	20.3
80°	250.5	76.7	41.4	45.1	33.9	33.9	28.6	30.1	33.1	24.8	17.3
82.5°	104.6	16.5	22.6	25.6	21.1	23.3	23.3	24.1	23.3	18.1	12.8
85°	0.0	0.0	9.8	10.5	14.3	14.3	12.0	12.0	12.0	10.5	7.5
87.5°	0.0	0.0	0.0	0.0	0.8	2.3	4.5	5.3	6.0	4.5	3.0
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°	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5
2.5°	314.4	312.9	315.2	316.7	318.2	318.2	316.7	315.2	312.9	315.2	312.9
5°	290.4	292.6	296.4	297.9	299.4	296.4	294.9	290.4	286.6	287.4	285.9
7.5°	271.6	273.8	278.3	281.3	281.3	279.8	275.3	270.8	264.8	264.8	264.0
10°	254.3	257.3	262.5	266.3	267.8	266.3	261.8	255.8	250.5	250.5	248.2
12.5°	240.0	243.7	249.7	255.0	256.5	255.0	250.5	244.5	238.5	238.5	237.0
15°	227.9	232.4	239.2	245.2	247.5	245.2	240.0	232.4	226.4	227.2	224.9
17.5°	216.6	220.4	229.4	236.2	238.5	236.2	229.4	219.7	213.6	215.1	213.6
20°	203.9	208.4	217.4	224.9	227.2	224.9	217.4	206.9	200.9	200.9	201.6
22.5°	190.3	194.8	203.9	209.1	212.1	209.9	202.4	192.6	186.6	186.6	187.3
25°	178.3	180.5	187.3	192.6	193.3	191.1	185.1	177.5	173.0	175.3	176.0
27.5°	167.0	167.0	170.0	173.0	172.3	170.0	167.8	161.7	161.0	163.2	165.5
30°	155.0	151.2	149.7	147.4	146.7	145.9	148.2	148.2	149.7	152.7	155.0
32.5°	144.4	136.9	130.1	123.4	119.6	122.6	128.6	133.9	139.2	143.7	145.9
35°	132.4	120.4	109.1	100.0	94.0	98.5	108.3	118.1	127.1	133.1	136.9
37.5°	120.4	103.1	89.5	78.2	73.7	77.5	88.0	101.6	115.1	122.6	127.9
40°	107.6	85.8	70.0	60.9	56.4	60.2	70.7	84.3	102.3	112.1	118.9
42.5°	94.8	70.7	56.4	47.4	45.1	47.4	55.7	69.2	88.8	100.8	109.8
45°	82.0	58.7	45.1	38.4	36.1	38.4	45.1	56.4	76.0	89.5	100.0
47.5°	70.7	49.6	37.6	31.6	30.1	32.3	37.6	47.4	63.9	77.5	89.5
50°	61.7	43.6	32.3	27.1	25.6	27.8	32.3	39.9	54.2	66.2	79.0
52.5°	55.7	40.6	28.6	23.3	22.6	24.1	27.8	33.9	45.9	56.4	68.5
55°	54.2	40.6	26.3	21.1	20.3	21.8	24.8	29.3	39.9	48.9	59.4
57.5°	55.7	43.6	24.8	18.1	17.3	18.8	21.8	25.6	34.6	42.1	51.9
60°	55.7	44.4	21.8	14.3	13.5	15.0	18.1	22.6	30.8	36.9	45.1
62.5°	50.4	40.6	18.1	11.3	9.8	11.3	15.0	18.8	27.1	33.1	39.9
65°	43.6	34.6	15.0	8.3	6.8	8.3	12.0	15.8	23.3	28.6	36.1
67.5°	35.4	26.3	11.3	6.0	4.5	6.0	9.0	12.8	19.6	24.8	32.3
70°	26.3	18.8	9.0	5.3	4.5	5.3	8.3	12.0	17.3	22.6	30.1
72.5°	19.6	12.8	7.5	5.3	3.8	5.3	7.5	11.3	16.5	21.8	28.6
75°	16.5	10.5	6.8	4.5	3.8	4.5	6.8	10.5	15.0	20.3	27.1
77.5°	15.8	9.8	6.0	3.8	3.0	3.8	6.0	9.0	13.5	18.8	26.3
80°	13.5	8.3	5.3	3.0	2.3	3.0	5.3	7.5	10.5	14.3	20.3
82.5°	10.5	6.8	3.8	1.5	0.8	1.5	3.8	4.5	6.8	8.3	12.0
85°	6.8	3.8	1.5	0.0	0.0	0.0	1.5	3.0	3.0	3.8	6.0
87.5°	3.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3
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-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5	338.5
2.5°	317.5	318.2	319.7	322.0	327.2	331.7	336.3	342.3	345.3	345.3
5°	287.4	288.1	288.9	291.9	299.4	305.4	315.2	327.2	333.2	334.8
7.5°	264.0	265.5	267.0	269.3	276.8	285.1	297.9	320.5	331.7	334.0
10°	250.5	252.8	255.8	260.3	267.0	276.1	297.9	338.5	357.3	361.1
12.5°	240.0	243.7	246.7	252.0	260.3	274.6	318.2	389.7	422.8	431.8
15°	229.4	234.0	238.5	243.7	252.8	279.8	357.3	481.4	536.4	543.1
17.5°	218.9	224.2	230.2	236.2	247.5	292.6	419.0	608.6	685.3	700.3
20°	206.9	213.6	221.9	229.4	242.2	312.9	504.8	759.8	856.1	888.4
22.5°	194.1	202.4	212.1	221.9	236.2	337.8	608.6	922.3	1056.9	1078.0
25°	183.5	191.8	200.9	210.6	226.4	367.9	734.2	1123.9	1246.5	1266.8
27.5°	173.8	182.0	190.3	199.3	216.6	407.0	885.4	1338.3	1466.1	1487.2
30°	163.2	173.0	181.3	190.3	207.6	455.1	1059.9	1576.0	1697.1	1716.6
32.5°	154.2	164.0	172.3	181.3	200.9	507.8	1243.5	1786.6	1885.1	1885.1
35°	146.7	157.2	163.2	175.3	195.6	541.6	1417.2	1987.5	2061.9	2058.9
37.5°	138.4	151.2	155.7	164.0	188.8	545.4	1580.5	2199.6	2254.5	2234.9
40°	130.1	143.7	150.5	155.0	181.3	514.5	1759.5	2394.4	2441.1	2415.5
42.5°	122.6	133.1	142.9	148.2	176.8	460.4	1903.2	2602.8	2658.5	2635.9
45°	115.1	124.1	130.1	139.9	179.8	422.8	2026.6	2845.8	2943.6	2927.0
47.5°	107.6	115.1	118.9	133.9	200.1	405.5	2101.8	3221.9	3406.2	3392.7
50°	99.3	108.3	108.3	132.4	230.2	411.5	2167.2	3766.5	4051.6	4047.1
52.5°	91.0	100.8	99.3	143.7	253.5	439.3	2241.7	4247.2	4743.0	4784.3
55°	82.7	91.8	93.3	166.2	267.0	463.4	1953.6	4449.6	5333.5	5478.7
57.5°	73.7	79.0	97.0	183.5	262.5	533.3	1338.3	4486.4	5710.3	6021.8
60°	63.9	68.5	109.8	179.8	248.2	492.7	842.5	4155.4	5656.9	6051.9
62.5°	55.7	63.2	115.8	158.7	252.8	427.3	537.1	3541.6	5147.7	5598.3
65°	48.9	60.9	105.3	143.7	255.8	289.6	362.6	2881.1	4650.4	5079.2
67.5°	43.6	67.7	86.5	127.9	219.7	203.9	249.0	2238.7	3910.2	4294.6
70°	39.9	69.2	70.7	109.8	170.0	130.9	164.0	1506.8	2695.3	3134.6
72.5°	36.1	51.2	53.4	88.0	109.8	79.7	106.1	862.1	1964.9	2264.3
75°	34.6	34.6	36.9	57.2	60.9	57.9	68.5	514.5	1409.0	1627.9
77.5°	32.3	26.3	23.3	36.9	33.1	41.4	40.6	228.7	610.8	660.5
80°	25.6	18.8	15.8	23.3	22.6	27.8	24.1	18.8	27.8	27.1
82.5°	15.8	12.0	11.3	14.3	12.8	14.3	11.3	3.0	3.0	3.0
85°	7.5	6.8	6.0	6.0	6.8	6.0	4.5	1.5	0.8	0.8
87.5°	3.8	3.8	3.0	2.3	3.0	3.0	2.3	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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