

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: P634855

Luminaire Tested: GWS-SA3C-750-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634855  
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-SA3C-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

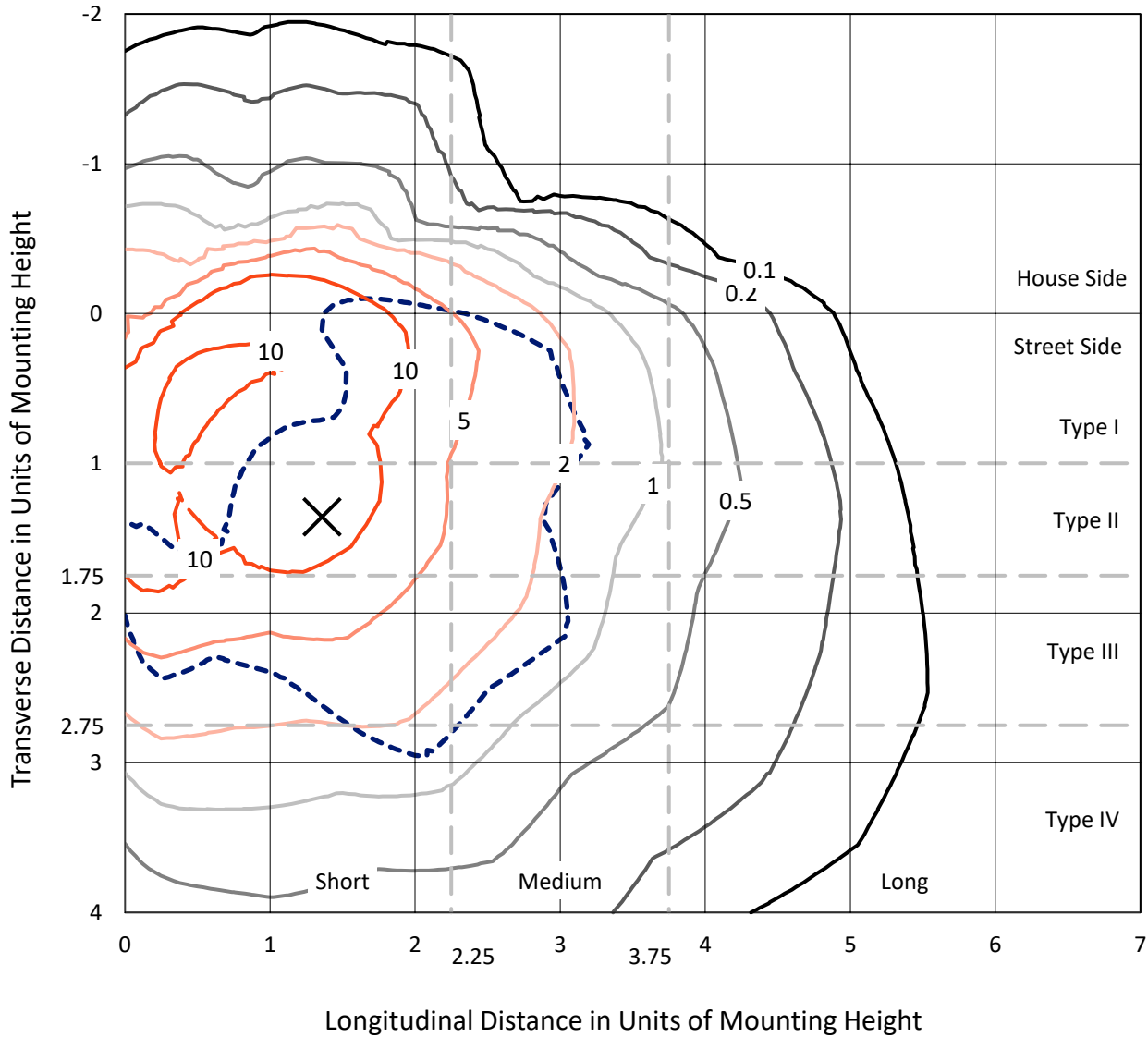
Lumens per Lamp: N/A  
Luminaire Lumens: 8855.4 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

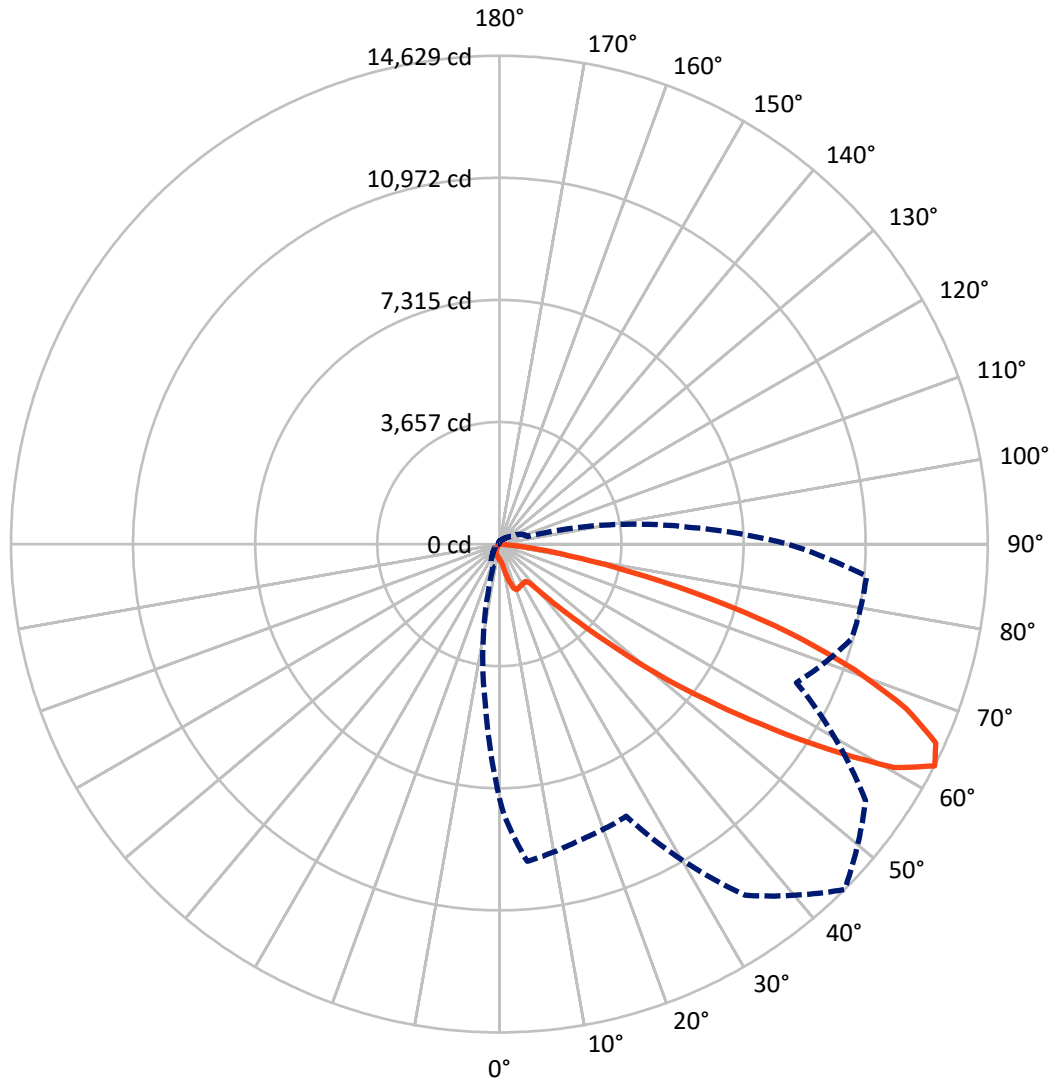
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18 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	1092.7	0.0	1092.7
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	7762.7	0.0	7762.7
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	8855.4	0.0	8855.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.8	0.5
10°-20°	154.4	1.7
20°-30°	335.6	3.8
30°-40°	550.9	6.2
40°-50°	1012.7	11.4
50°-60°	2174.8	24.6
60°-70°	2921.0	33.0
70°-80°	1521.0	17.2
80°-90°	144.2	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°	8855.4	100.0
0°-180°	8855.4	100.0

**Coefficient of Utilization**

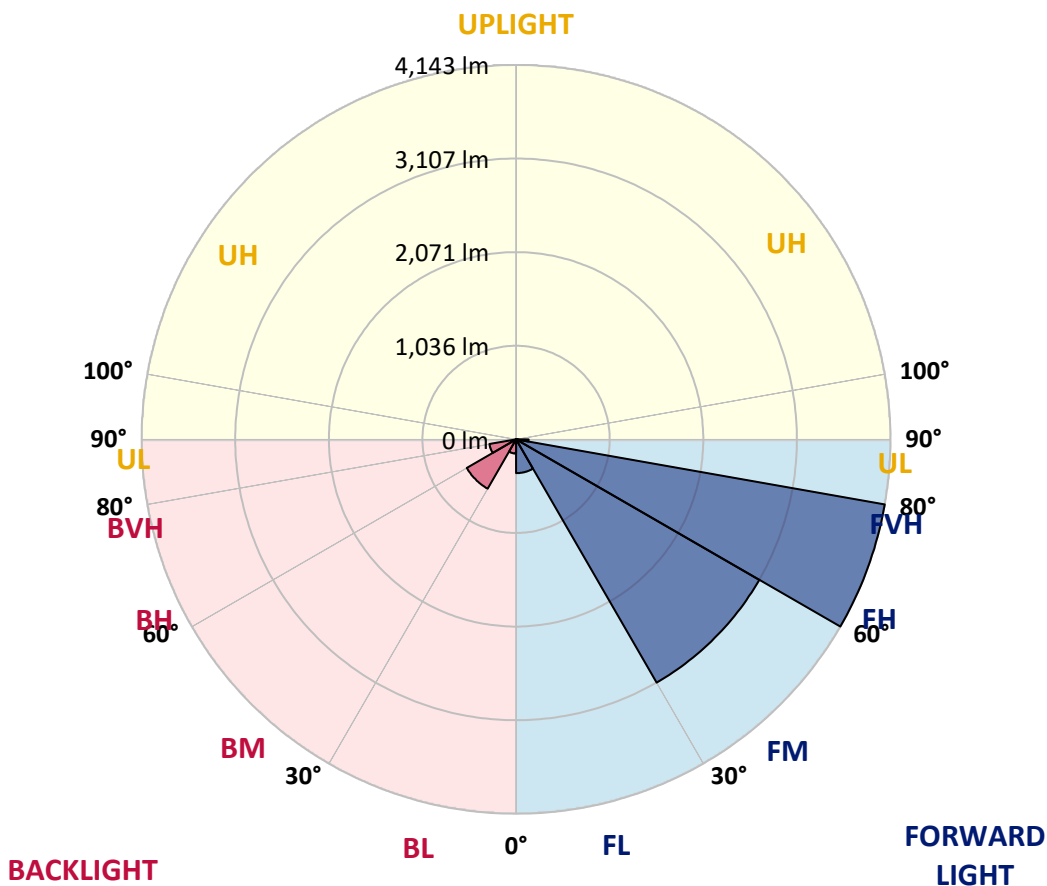


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.1	4.2			
FM (30°-60°)	3108.1	35.1			
FH (60°-80°)	4142.6	46.8			G2/5000
FVH (80°-90°)	137.8	1.6			G2/225
BL (0°-30°)	156.7	1.8	B1/500		
BM (30°-60°)	630.1	7.1	B1/1000		
BH (60°-80°)	299.4	3.4	B1/500		G1/500
BVH (80°-90°)	6.4	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°	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3
2.5°	469.5	471.5	473.6	480.8	485.9	490.0	491.0	487.9	480.8	473.6	463.4
5°	455.2	457.2	464.4	483.8	503.3	518.6	523.7	520.6	503.3	480.8	457.2
7.5°	454.2	458.2	475.6	516.6	558.5	590.2	598.4	591.2	558.5	513.5	465.4
10°	491.0	498.1	523.7	597.4	674.1	730.3	752.8	722.2	670.0	588.2	509.4
12.5°	587.1	599.4	648.5	755.9	874.6	949.2	979.9	942.1	860.2	741.6	616.8
15°	738.5	756.9	830.6	991.2	1131.3	1197.8	1208.0	1186.5	1091.4	960.5	792.7
17.5°	952.3	978.9	1093.5	1257.1	1358.4	1381.9	1378.8	1356.3	1286.8	1196.8	1038.2
20°	1208.0	1239.7	1352.2	1487.3	1497.5	1469.9	1454.5	1441.2	1417.7	1402.4	1278.6
22.5°	1465.8	1504.7	1622.3	1656.0	1564.0	1484.2	1446.4	1456.6	1491.4	1567.1	1516.9
25°	1722.5	1759.4	1869.8	1778.8	1594.7	1461.7	1413.6	1438.2	1521.0	1684.7	1749.1
27.5°	2022.2	2049.8	2115.3	1862.7	1599.8	1443.3	1396.2	1434.1	1535.3	1758.3	2003.8
30°	2334.2	2350.6	2318.9	1885.2	1582.4	1415.7	1378.8	1434.1	1559.9	1807.4	2195.1
32.5°	2563.3	2566.4	2463.1	1887.2	1573.2	1393.2	1362.5	1427.9	1583.4	1848.3	2380.2
35°	2799.6	2784.3	2601.2	1917.9	1597.7	1401.3	1374.7	1445.3	1620.2	1896.4	2542.9
37.5°	3039.0	3011.4	2755.6	1968.0	1661.2	1490.3	1474.0	1534.3	1679.6	1962.9	2721.9
40°	3284.5	3246.6	2916.2	2043.7	1802.3	1793.1	1849.4	1842.2	1842.2	2047.8	2906.0
42.5°	3584.2	3540.2	3153.5	2257.5	2131.7	2337.3	2490.7	2395.6	2219.6	2243.2	3145.4
45°	3980.0	3942.2	3564.7	2666.6	2648.2	3120.8	3327.4	3139.2	2701.4	2694.3	3545.3
47.5°	4613.2	4606.0	4220.4	3141.3	3280.4	4118.1	4517.0	4154.9	3250.7	3171.9	4302.2
50°	5503.1	5481.6	5037.7	3697.7	4032.2	5353.7	6065.7	5462.2	3914.6	3729.4	5315.9
52.5°	6505.5	6528.0	6182.3	4305.3	4831.1	6728.5	7719.7	6959.7	4635.7	4438.3	6591.4
55°	7449.6	7578.5	7487.5	5016.2	5611.5	8246.4	9536.3	8602.4	5528.7	5366.0	8021.4
57.5°	8188.1	8551.3	9189.5	6049.3	6529.0	10022.2	11564.7	10383.2	6571.0	6872.7	9968.0
60°	8229.1	8709.8	10192.0	8210.6	7709.4	11545.2	13590.0	12123.2	8209.6	9430.9	11493.1
62.5°	7612.3	8127.8	9539.4	9192.6	8995.2	12841.2	14629.2	13391.5	9821.7	10929.5	11041.0
65°	6906.5	7427.1	8811.1	8078.7	8845.9	12786.0	14365.3	13421.2	9968.0	9910.7	10231.9
67.5°	5839.6	6307.1	7560.1	7150.9	8153.4	12169.2	13146.0	12575.3	9183.4	9269.3	9412.5
70°	4262.3	4712.4	5875.4	5895.9	7120.3	11057.3	11295.7	11216.9	8457.2	8548.2	8139.0
72.5°	3078.9	3458.4	4461.8	4835.1	5684.1	9272.4	9107.7	9411.5	7256.3	7613.3	6537.2
75°	2213.5	2497.9	3273.2	4206.1	4505.8	6886.0	6519.8	7289.0	5822.2	6555.6	4914.9
77.5°	898.1	998.3	1287.8	2833.4	2961.2	4632.6	3991.3	5294.4	4150.8	4307.3	2382.3
80°	36.8	40.9	53.2	1462.7	2030.4	2606.3	2135.8	2830.3	2741.3	1734.8	562.6
82.5°	4.1	4.1	9.2	421.4	888.9	1438.2	1006.5	1630.5	1388.0	735.4	255.7
85°	1.0	1.0	2.0	48.1	208.7	230.1	136.0	500.2	645.4	300.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	9.2	10.2	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°	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3
2.5°	463.4	458.2	452.1	446.0	442.9	434.7	431.7	429.6	427.6	428.6	428.6
5°	448.0	436.8	423.5	410.2	403.0	394.8	390.7	388.7	389.7	393.8	393.8
7.5°	446.0	424.5	395.9	378.5	370.3	364.1	360.1	358.0	359.0	364.1	366.2
10°	479.7	441.9	390.7	361.1	351.9	345.7	341.6	338.6	336.5	340.6	341.6
12.5°	552.4	500.2	415.3	359.0	342.7	334.5	331.4	325.3	322.2	324.3	325.3
15°	702.7	612.7	464.4	367.2	334.5	325.3	320.2	315.0	309.9	308.9	309.9
17.5°	899.1	770.2	539.1	386.6	328.3	317.1	309.9	302.8	295.6	294.6	293.6
20°	1142.6	963.6	643.4	417.3	323.2	309.9	299.7	289.5	280.3	277.2	277.2
22.5°	1364.5	1196.8	777.4	455.2	316.1	299.7	287.4	275.2	264.9	259.8	258.8
25°	1635.6	1444.3	938.0	499.2	305.8	286.4	273.1	260.8	250.6	244.5	242.4
27.5°	1908.7	1705.1	1120.1	556.4	293.6	273.1	260.8	249.6	238.3	231.2	229.1
30°	2173.6	1986.4	1324.6	628.0	284.4	259.8	249.6	238.3	228.1	216.9	213.8
32.5°	2458.0	2273.9	1553.8	707.8	277.2	250.6	239.4	229.1	215.8	205.6	200.5
35°	2732.1	2570.5	1806.4	785.6	270.0	242.4	230.1	219.9	205.6	194.3	187.2
37.5°	3008.3	2872.2	2070.3	832.6	259.8	231.2	219.9	211.7	195.4	182.1	173.9
40°	3300.8	3184.2	2355.7	813.2	250.6	218.9	212.8	203.6	185.1	169.8	159.6
42.5°	3622.0	3481.9	2646.2	738.5	242.4	208.7	202.5	193.3	175.9	157.5	144.2
45°	4026.1	3808.2	2884.5	626.0	246.5	198.4	186.2	184.1	167.8	144.2	127.9
47.5°	4720.6	4309.4	3069.7	553.4	274.1	187.2	172.9	178.0	160.6	130.9	112.5
50°	5783.4	5140.0	3242.5	548.3	316.1	182.1	160.6	173.9	153.4	117.6	99.2
52.5°	6796.0	5983.8	3353.0	593.3	352.9	195.4	148.3	168.8	148.3	108.4	90.0
55°	7764.7	6470.7	3155.6	626.0	387.7	235.3	139.1	160.6	142.2	103.3	86.9
57.5°	8809.0	6687.6	2484.6	692.5	412.2	269.0	141.2	148.3	134.0	100.2	85.9
60°	9121.0	6410.4	1499.5	779.4	398.9	279.2	156.5	132.0	122.7	94.1	82.9
62.5°	8636.2	5752.7	884.8	709.9	387.7	263.9	179.0	121.7	111.5	85.9	76.7
65°	7910.9	4859.7	576.9	599.4	411.2	235.3	190.3	116.6	101.3	77.7	67.5
67.5°	7082.4	3914.6	404.0	353.9	379.5	211.7	160.6	115.6	91.0	65.5	55.2
70°	5965.4	2931.6	284.4	234.2	316.1	188.2	124.8	112.5	79.8	53.2	43.0
72.5°	4609.1	1835.0	211.7	151.4	225.0	153.4	99.2	95.1	64.4	44.0	32.7
75°	3399.0	1046.4	149.3	109.4	148.3	116.6	73.6	67.5	55.2	41.9	29.7
77.5°	1774.7	523.7	93.1	83.9	84.9	72.6	53.2	49.1	51.1	41.9	27.6
80°	340.6	104.3	56.3	61.4	46.0	46.0	38.9	40.9	45.0	33.8	23.5
82.5°	142.2	22.5	30.7	34.8	28.6	31.7	31.7	32.7	31.7	24.5	17.4
85°	0.0	0.0	13.3	14.3	19.4	19.4	16.4	16.4	16.4	14.3	10.2
87.5°	0.0	0.0	0.0	0.0	1.0	3.1	6.1	7.2	8.2	6.1	4.1
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°	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3
2.5°	427.6	425.5	428.6	430.6	432.7	432.7	430.6	428.6	425.5	428.6	425.5
5°	394.8	397.9	403.0	405.1	407.1	403.0	401.0	394.8	389.7	390.7	388.7
7.5°	369.3	372.3	378.5	382.6	382.6	380.5	374.4	368.2	360.1	360.1	359.0
10°	345.7	349.8	357.0	362.1	364.1	362.1	356.0	347.8	340.6	340.6	337.5
12.5°	326.3	331.4	339.6	346.8	348.8	346.8	340.6	332.4	324.3	324.3	322.2
15°	309.9	316.1	325.3	333.5	336.5	333.5	326.3	316.1	307.9	308.9	305.8
17.5°	294.6	299.7	312.0	321.2	324.3	321.2	312.0	298.7	290.5	292.5	290.5
20°	277.2	283.3	295.6	305.8	308.9	305.8	295.6	281.3	273.1	273.1	274.1
22.5°	258.8	264.9	277.2	284.4	288.5	285.4	275.2	261.9	253.7	253.7	254.7
25°	242.4	245.5	254.7	261.9	262.9	259.8	251.6	241.4	235.3	238.3	239.4
27.5°	227.1	227.1	231.2	235.3	234.2	231.2	228.1	219.9	218.9	222.0	225.0
30°	210.7	205.6	203.6	200.5	199.5	198.4	201.5	201.5	203.6	207.6	210.7
32.5°	196.4	186.2	177.0	167.8	162.6	166.7	174.9	182.1	189.2	195.4	198.4
35°	180.0	163.7	148.3	136.0	127.9	134.0	147.3	160.6	172.9	181.0	186.2
37.5°	163.7	140.1	121.7	106.4	100.2	105.4	119.7	138.1	156.5	166.7	173.9
40°	146.3	116.6	95.1	82.9	76.7	81.8	96.2	114.6	139.1	152.4	161.6
42.5°	128.9	96.2	76.7	64.4	61.4	64.4	75.7	94.1	120.7	137.1	149.3
45°	111.5	79.8	61.4	52.2	49.1	52.2	61.4	76.7	103.3	121.7	136.0
47.5°	96.2	67.5	51.1	43.0	40.9	44.0	51.1	64.4	86.9	105.4	121.7
50°	83.9	59.3	44.0	36.8	34.8	37.8	44.0	54.2	73.6	90.0	107.4
52.5°	75.7	55.2	38.9	31.7	30.7	32.7	37.8	46.0	62.4	76.7	93.1
55°	73.6	55.2	35.8	28.6	27.6	29.7	33.8	39.9	54.2	66.5	80.8
57.5°	75.7	59.3	33.8	24.5	23.5	25.6	29.7	34.8	47.1	57.3	70.6
60°	75.7	60.3	29.7	19.4	18.4	20.5	24.5	30.7	41.9	50.1	61.4
62.5°	68.5	55.2	24.5	15.3	13.3	15.3	20.5	25.6	36.8	45.0	54.2
65°	59.3	47.1	20.5	11.3	9.2	11.3	16.4	21.5	31.7	38.9	49.1
67.5°	48.1	35.8	15.3	8.2	6.1	8.2	12.3	17.4	26.6	33.8	44.0
70°	35.8	25.6	12.3	7.2	6.1	7.2	11.3	16.4	23.5	30.7	40.9
72.5°	26.6	17.4	10.2	7.2	5.1	7.2	10.2	15.3	22.5	29.7	38.9
75°	22.5	14.3	9.2	6.1	5.1	6.1	9.2	14.3	20.5	27.6	36.8
77.5°	21.5	13.3	8.2	5.1	4.1	5.1	8.2	12.3	18.4	25.6	35.8
80°	18.4	11.3	7.2	4.1	3.1	4.1	7.2	10.2	14.3	19.4	27.6
82.5°	14.3	9.2	5.1	2.0	1.0	2.0	5.1	6.1	9.2	11.3	16.4
85°	9.2	5.1	2.0	0.0	0.0	0.0	2.0	4.1	4.1	5.1	8.2
87.5°	4.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1
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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 CATALOG NUMBER: GWS-SA3C-750-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3
2.5°	431.7	432.7	434.7	437.8	445.0	451.1	457.2	465.4	469.5	469.5
5°	390.7	391.8	392.8	396.9	407.1	415.3	428.6	445.0	453.1	455.2
7.5°	359.0	361.1	363.1	366.2	376.4	387.7	405.1	435.7	451.1	454.2
10°	340.6	343.7	347.8	353.9	363.1	375.4	405.1	460.3	485.9	491.0
12.5°	326.3	331.4	335.5	342.7	353.9	373.4	432.7	529.9	574.9	587.1
15°	312.0	318.1	324.3	331.4	343.7	380.5	485.9	654.6	729.3	738.5
17.5°	297.7	304.8	313.0	321.2	336.5	397.9	569.7	827.5	931.8	952.3
20°	281.3	290.5	301.7	312.0	329.4	425.5	686.4	1033.1	1164.0	1208.0
22.5°	263.9	275.2	288.5	301.7	321.2	459.3	827.5	1254.0	1437.1	1465.8
25°	249.6	260.8	273.1	286.4	307.9	500.2	998.3	1528.2	1694.9	1722.5
27.5°	236.3	247.5	258.8	271.1	294.6	553.4	1203.9	1819.7	1993.6	2022.2
30°	222.0	235.3	246.5	258.8	282.3	618.8	1441.2	2142.9	2307.6	2334.2
32.5°	209.7	223.0	234.2	246.5	273.1	690.4	1690.8	2429.3	2563.3	2563.3
35°	199.5	213.8	222.0	238.3	265.9	736.5	1927.1	2702.4	2803.7	2799.6
37.5°	188.2	205.6	211.7	223.0	256.7	741.6	2149.1	2990.9	3065.6	3039.0
40°	177.0	195.4	204.6	210.7	246.5	699.6	2392.5	3255.8	3319.2	3284.5
42.5°	166.7	181.0	194.3	201.5	240.4	626.0	2587.9	3539.2	3614.9	3584.2
45°	156.5	168.8	177.0	190.3	244.5	574.9	2755.6	3869.6	4002.5	3980.0
47.5°	146.3	156.5	161.6	182.1	272.1	551.3	2857.9	4381.0	4631.6	4613.2
50°	135.0	147.3	147.3	180.0	313.0	559.5	2946.9	5121.6	5509.2	5503.1
52.5°	123.8	137.1	135.0	195.4	344.7	597.4	3048.2	5775.2	6449.3	6505.5
55°	112.5	124.8	126.8	226.1	363.1	630.1	2656.4	6050.3	7252.2	7449.6
57.5°	100.2	107.4	132.0	249.6	357.0	725.2	1819.7	6100.4	7764.7	8188.1
60°	86.9	93.1	149.3	244.5	337.5	670.0	1145.6	5650.4	7692.0	8229.1
62.5°	75.7	85.9	157.5	215.8	343.7	581.0	730.3	4815.7	6999.6	7612.3
65°	66.5	82.9	143.2	195.4	347.8	393.8	493.0	3917.6	6323.4	6906.5
67.5°	59.3	92.1	117.6	173.9	298.7	277.2	338.6	3044.1	5316.9	5839.6
70°	54.2	94.1	96.2	149.3	231.2	178.0	223.0	2048.8	3665.0	4262.3
72.5°	49.1	69.6	72.6	119.7	149.3	108.4	144.2	1172.2	2671.8	3078.9
75°	47.1	47.1	50.1	77.7	82.9	78.8	93.1	699.6	1915.9	2213.5
77.5°	44.0	35.8	31.7	50.1	45.0	56.3	55.2	311.0	830.6	898.1
80°	34.8	25.6	21.5	31.7	30.7	37.8	32.7	25.6	37.8	36.8
82.5°	21.5	16.4	15.3	19.4	17.4	19.4	15.3	4.1	4.1	4.1
85°	10.2	9.2	8.2	8.2	9.2	8.2	6.1	2.0	1.0	1.0
87.5°	5.1	5.1	4.1	3.1	4.1	4.1	3.1	1.0	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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