

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: P634910

Luminaire Tested: GWS-SA3C-760-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634910  
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-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**

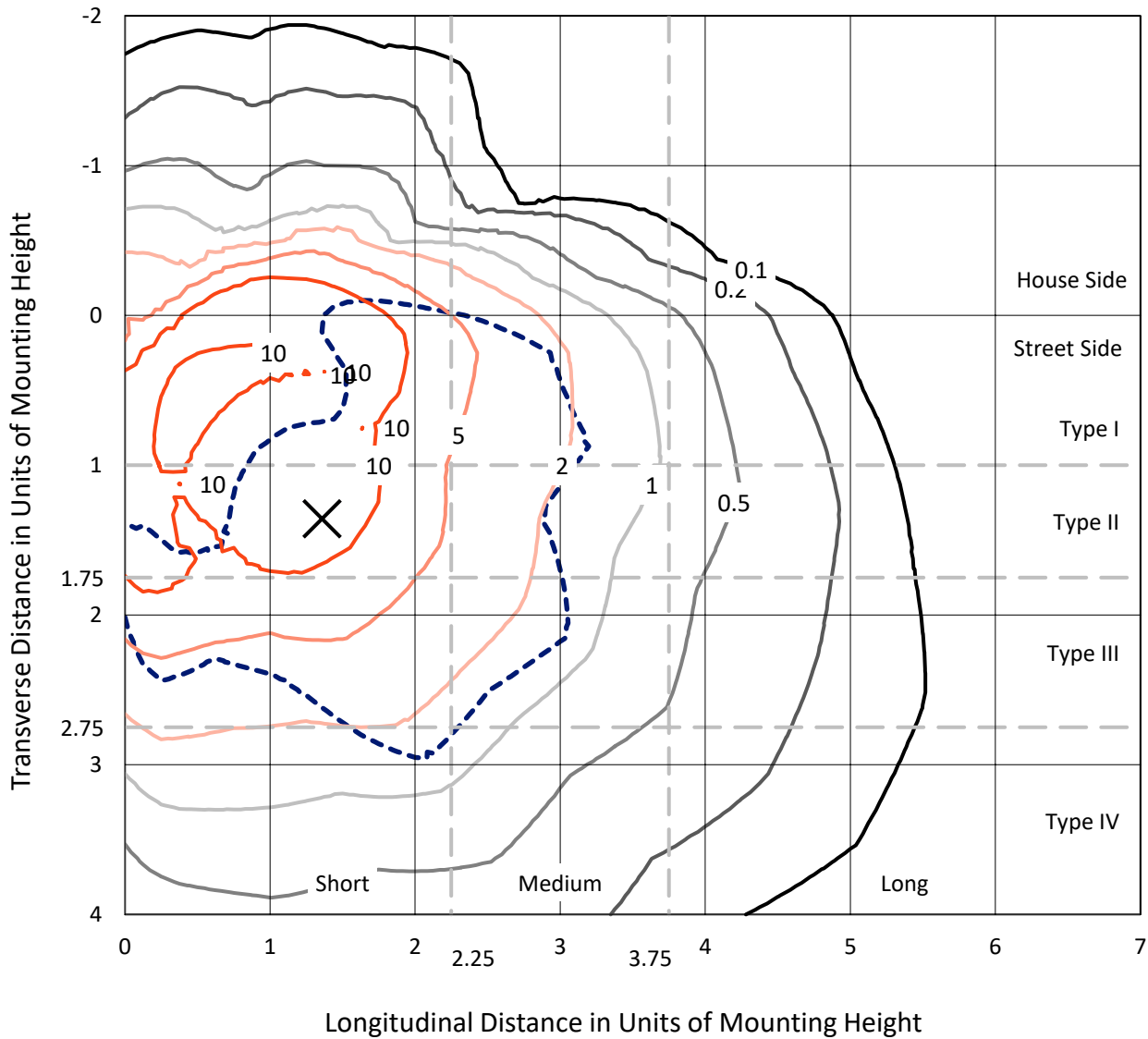
Lumens per Lamp: N/A  
Luminaire Lumens: 8734 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

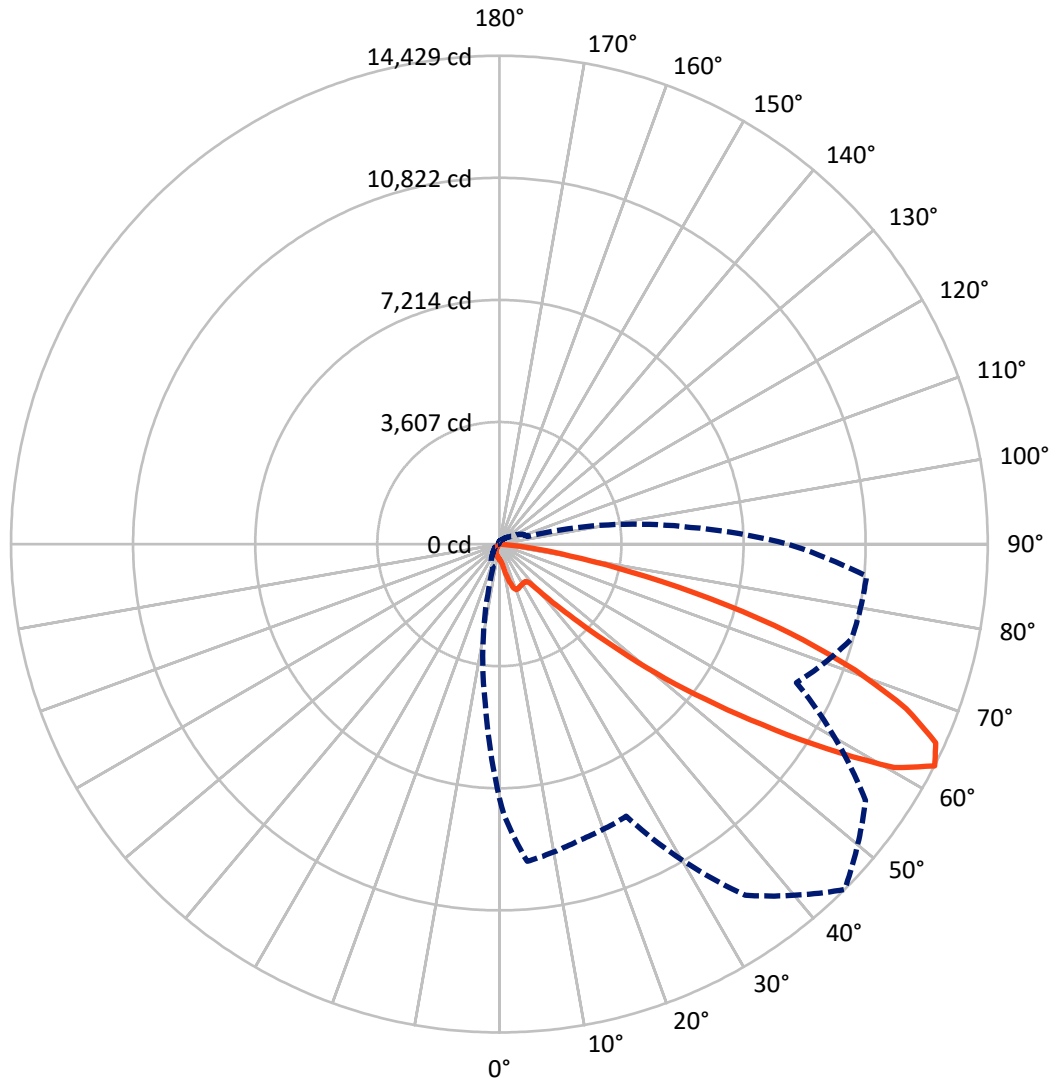
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.7 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	1077.8	0.0	1077.8
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	7656.2	0.0	7656.2
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	8734.0	0.0	8734.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.3	0.5
10°-20°	152.3	1.7
20°-30°	331.0	3.8
30°-40°	543.3	6.2
40°-50°	998.8	11.4
50°-60°	2144.9	24.6
60°-70°	2881.0	33.0
70°-80°	1500.2	17.2
80°-90°	142.2	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°	8734.0	100.0
0°-180°	8734.0	100.0

**Coefficient of Utilization**



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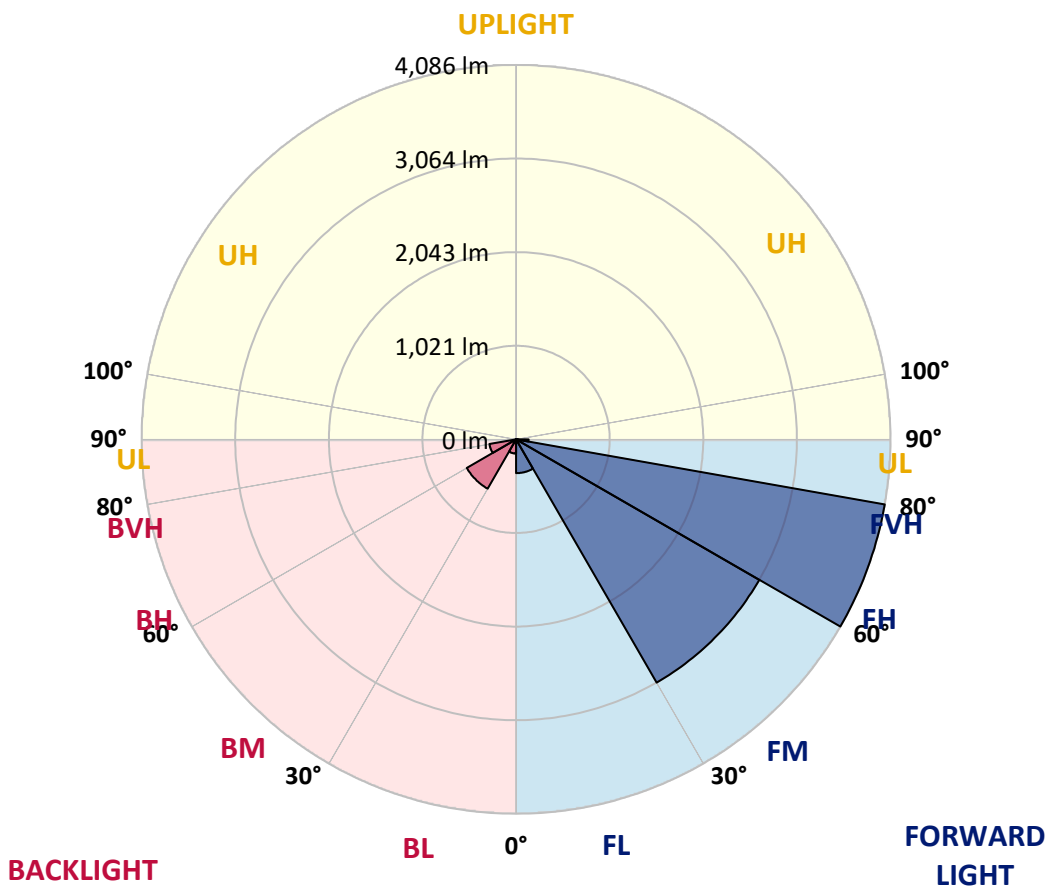
CATALOG NUMBER: GWS-SA3C-760-U-SLR-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.0	4.2			
FM (30°-60°)	3065.5	35.1			
FH (60°-80°)	4085.8	46.8			G2/5000
FVH (80°-90°)	135.9	1.6			G2/225
BL (0°-30°)	154.6	1.8	B1/500		
BM (30°-60°)	621.5	7.1	B1/1000		
BH (60°-80°)	295.3	3.4	B1/500		G1/500
BVH (80°-90°)	6.3	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°	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0
2.5°	463.1	465.1	467.1	474.2	479.2	483.2	484.3	481.2	474.2	467.1	457.0
5°	448.9	451.0	458.0	477.2	496.4	511.5	516.5	513.5	496.4	474.2	451.0
7.5°	447.9	452.0	469.1	509.5	550.8	582.1	590.2	583.1	550.8	506.4	459.0
10°	484.3	491.3	516.5	589.2	664.8	720.3	742.5	712.3	660.8	580.1	502.4
12.5°	579.1	591.2	639.6	745.5	862.6	936.2	966.5	929.2	848.4	731.4	608.3
15°	728.4	746.6	819.2	977.6	1115.8	1181.4	1191.5	1170.3	1076.4	947.3	781.9
17.5°	939.2	965.5	1078.5	1239.9	1339.8	1363.0	1359.9	1337.7	1269.1	1180.4	1024.0
20°	1191.5	1222.7	1333.7	1466.9	1477.0	1449.7	1434.6	1421.5	1398.3	1383.1	1261.1
22.5°	1445.7	1484.0	1600.0	1633.3	1542.5	1463.9	1426.5	1436.6	1470.9	1545.6	1496.1
25°	1698.9	1735.2	1844.2	1754.4	1572.8	1441.7	1394.2	1418.5	1500.2	1661.6	1725.1
27.5°	1994.5	2021.7	2086.3	1837.1	1577.9	1423.5	1377.1	1414.4	1514.3	1734.2	1976.3
30°	2302.2	2318.4	2287.1	1859.3	1560.7	1396.3	1359.9	1414.4	1538.5	1782.6	2165.0
32.5°	2528.2	2531.2	2429.3	1861.3	1551.6	1374.1	1343.8	1408.4	1561.7	1823.0	2347.6
35°	2761.2	2746.1	2565.5	1891.6	1575.8	1382.1	1355.9	1425.5	1598.0	1870.4	2508.0
37.5°	2997.3	2970.1	2717.9	1941.0	1638.4	1469.9	1453.8	1513.3	1656.5	1936.0	2684.6
40°	3239.4	3202.1	2876.2	2015.7	1777.6	1768.5	1824.0	1816.9	1816.9	2019.7	2866.2
42.5°	3535.0	3491.7	3110.3	2226.5	2102.5	2305.2	2456.6	2362.7	2189.2	2212.4	3102.2
45°	3925.5	3888.1	3515.9	2630.1	2611.9	3078.0	3281.8	3096.2	2664.4	2657.3	3496.7
47.5°	4549.9	4542.9	4162.5	3098.2	3235.4	4061.7	4455.1	4098.0	3206.1	3128.5	4243.2
50°	5427.6	5406.5	4968.6	3647.0	3976.9	5280.4	5982.5	5387.3	3860.9	3678.3	5243.0
52.5°	6416.3	6438.5	6097.5	4246.3	4764.8	6636.3	7613.8	6864.3	4572.1	4377.4	6501.1
55°	7347.5	7474.6	7384.8	4947.4	5534.6	8133.4	9405.6	8484.5	5452.9	5292.5	7911.4
57.5°	8075.9	8434.0	9063.6	5966.4	6439.5	9884.8	11406.1	10240.9	6480.9	6778.5	9831.3
60°	8116.2	8590.4	10052.2	8098.1	7603.7	11387.0	13403.7	11957.0	8097.1	9301.7	11335.5
62.5°	7507.9	8016.4	9408.6	9066.6	8871.9	12665.2	14428.7	13207.9	9687.0	10779.6	10889.6
65°	6811.8	7325.3	8690.3	7967.9	8724.6	12610.7	14168.4	13237.2	9831.3	9774.8	10091.6
67.5°	5759.6	6220.6	7456.5	7052.9	8041.6	12002.4	12965.8	12402.9	9057.5	9142.3	9283.5
70°	4203.9	4647.8	5794.9	5815.0	7022.6	10905.7	11140.8	11063.1	8341.2	8431.0	8027.5
72.5°	3036.7	3410.9	4400.6	4768.9	5606.2	9145.3	8982.9	9282.5	7156.8	7508.9	6447.6
75°	2183.2	2463.6	3228.3	4148.4	4444.0	6791.6	6430.4	7189.1	5742.4	6465.8	4847.6
77.5°	885.8	984.6	1270.1	2794.5	2920.6	4569.1	3936.6	5221.8	4093.9	4248.3	2349.6
80°	36.3	40.4	52.5	1442.7	2002.6	2570.6	2106.5	2791.5	2703.7	1711.0	554.9
82.5°	4.0	4.0	9.1	415.6	876.7	1418.5	992.7	1608.1	1369.0	725.4	252.2
85°	1.0	1.0	2.0	47.4	205.8	227.0	134.2	493.3	636.6	296.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	9.1	10.1	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°	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0
2.5°	457.0	452.0	445.9	439.9	436.8	428.8	425.7	423.7	421.7	422.7	422.7
5°	441.9	430.8	417.7	404.6	397.5	389.4	385.4	383.4	384.4	388.4	388.4
7.5°	439.9	418.7	390.4	373.3	365.2	359.2	355.1	353.1	354.1	359.2	361.2
10°	473.2	435.8	385.4	356.1	347.0	341.0	337.0	333.9	331.9	335.9	337.0
12.5°	544.8	493.3	409.6	354.1	338.0	329.9	326.9	320.8	317.8	319.8	320.8
15°	693.1	604.3	458.0	362.2	329.9	320.8	315.8	310.7	305.7	304.7	305.7
17.5°	886.8	759.7	531.7	381.3	323.8	312.7	305.7	298.6	291.6	290.6	289.5
20°	1126.9	950.3	634.6	411.6	318.8	305.7	295.6	285.5	276.4	273.4	273.4
22.5°	1345.8	1180.4	766.7	448.9	311.7	295.6	283.5	271.4	261.3	256.2	255.2
25°	1613.2	1424.5	925.1	492.3	301.6	282.5	269.4	257.3	247.2	241.1	239.1
27.5°	1882.5	1681.8	1104.7	548.8	289.5	269.4	257.3	246.2	235.1	228.0	226.0
30°	2143.8	1959.2	1306.5	619.4	280.5	256.2	246.2	235.1	225.0	213.9	210.9
32.5°	2424.3	2242.7	1532.5	698.1	273.4	247.2	236.1	226.0	212.9	202.8	197.7
35°	2694.7	2535.3	1781.6	774.8	266.3	239.1	227.0	216.9	202.8	191.7	184.6
37.5°	2967.0	2832.9	2041.9	821.2	256.2	228.0	216.9	208.8	192.7	179.6	171.5
40°	3255.6	3140.6	2323.4	802.0	247.2	215.9	209.8	200.8	182.6	167.5	157.4
42.5°	3572.4	3434.1	2609.9	728.4	239.1	205.8	199.8	190.7	173.5	155.4	142.2
45°	3970.9	3756.0	2845.0	617.4	243.1	195.7	183.6	181.6	165.5	142.2	126.1
47.5°	4655.9	4250.3	3027.6	545.8	270.4	184.6	170.5	175.5	158.4	129.1	111.0
50°	5704.1	5069.5	3198.1	540.7	311.7	179.6	158.4	171.5	151.3	116.0	97.9
52.5°	6702.8	5901.8	3307.0	585.1	348.1	192.7	146.3	166.5	146.3	106.9	88.8
55°	7658.2	6382.0	3112.3	617.4	382.4	232.0	137.2	158.4	140.2	101.9	85.8
57.5°	8688.3	6595.9	2450.5	683.0	406.6	265.3	139.2	146.3	132.2	98.9	84.7
60°	8996.0	6322.5	1479.0	768.7	393.5	275.4	154.4	130.1	121.1	92.8	81.7
62.5°	8517.8	5673.8	872.7	700.1	382.4	260.3	176.5	120.1	110.0	84.7	75.7
65°	7802.5	4793.1	569.0	591.2	405.6	232.0	187.6	115.0	99.9	76.7	66.6
67.5°	6985.3	3860.9	398.5	349.1	374.3	208.8	158.4	114.0	89.8	64.6	54.5
70°	5883.6	2891.4	280.5	231.0	311.7	185.6	123.1	111.0	78.7	52.5	42.4
72.5°	4545.9	1809.9	208.8	149.3	221.9	151.3	97.9	93.8	63.6	43.4	32.3
75°	3352.4	1032.1	147.3	107.9	146.3	115.0	72.6	66.6	54.5	41.4	29.3
77.5°	1750.4	516.5	91.8	82.7	83.7	71.6	52.5	48.4	50.4	41.4	27.2
80°	335.9	102.9	55.5	60.5	45.4	45.4	38.3	40.4	44.4	33.3	23.2
82.5°	140.2	22.2	30.3	34.3	28.2	31.3	31.3	32.3	31.3	24.2	17.2
85°	0.0	0.0	13.1	14.1	19.2	19.2	16.1	16.1	16.1	14.1	10.1
87.5°	0.0	0.0	0.0	0.0	1.0	3.0	6.1	7.1	8.1	6.1	4.0
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°	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0
2.5°	421.7	419.7	422.7	424.7	426.7	426.7	424.7	422.7	419.7	422.7	419.7
5°	389.4	392.4	397.5	399.5	401.5	397.5	395.5	389.4	384.4	385.4	383.4
7.5°	364.2	367.2	373.3	377.3	377.3	375.3	369.2	363.2	355.1	355.1	354.1
10°	341.0	345.0	352.1	357.1	359.2	357.1	351.1	343.0	335.9	335.9	332.9
12.5°	321.8	326.9	334.9	342.0	344.0	342.0	335.9	327.9	319.8	319.8	317.8
15°	305.7	311.7	320.8	328.9	331.9	328.9	321.8	311.7	303.7	304.7	301.6
17.5°	290.6	295.6	307.7	316.8	319.8	316.8	307.7	294.6	286.5	288.5	286.5
20°	273.4	279.5	291.6	301.6	304.7	301.6	291.6	277.4	269.4	269.4	270.4
22.5°	255.2	261.3	273.4	280.5	284.5	281.5	271.4	258.3	250.2	250.2	251.2
25°	239.1	242.1	251.2	258.3	259.3	256.2	248.2	238.1	232.0	235.1	236.1
27.5°	224.0	224.0	228.0	232.0	231.0	228.0	225.0	216.9	215.9	218.9	221.9
30°	207.8	202.8	200.8	197.7	196.7	195.7	198.7	198.7	200.8	204.8	207.8
32.5°	193.7	183.6	174.5	165.5	160.4	164.4	172.5	179.6	186.6	192.7	195.7
35°	177.6	161.4	146.3	134.2	126.1	132.2	145.3	158.4	170.5	178.6	183.6
37.5°	161.4	138.2	120.1	104.9	98.9	103.9	118.0	136.2	154.4	164.4	171.5
40°	144.3	115.0	93.8	81.7	75.7	80.7	94.8	113.0	137.2	150.3	159.4
42.5°	127.1	94.8	75.7	63.6	60.5	63.6	74.7	92.8	119.0	135.2	147.3
45°	110.0	78.7	60.5	51.5	48.4	51.5	60.5	75.7	101.9	120.1	134.2
47.5°	94.8	66.6	50.4	42.4	40.4	43.4	50.4	63.6	85.8	103.9	120.1
50°	82.7	58.5	43.4	36.3	34.3	37.3	43.4	53.5	72.6	88.8	105.9
52.5°	74.7	54.5	38.3	31.3	30.3	32.3	37.3	45.4	61.5	75.7	91.8
55°	72.6	54.5	35.3	28.2	27.2	29.3	33.3	39.3	53.5	65.6	79.7
57.5°	74.7	58.5	33.3	24.2	23.2	25.2	29.3	34.3	46.4	56.5	69.6
60°	74.7	59.5	29.3	19.2	18.2	20.2	24.2	30.3	41.4	49.4	60.5
62.5°	67.6	54.5	24.2	15.1	13.1	15.1	20.2	25.2	36.3	44.4	53.5
65°	58.5	46.4	20.2	11.1	9.1	11.1	16.1	21.2	31.3	38.3	48.4
67.5°	47.4	35.3	15.1	8.1	6.1	8.1	12.1	17.2	26.2	33.3	43.4
70°	35.3	25.2	12.1	7.1	6.1	7.1	11.1	16.1	23.2	30.3	40.4
72.5°	26.2	17.2	10.1	7.1	5.0	7.1	10.1	15.1	22.2	29.3	38.3
75°	22.2	14.1	9.1	6.1	5.0	6.1	9.1	14.1	20.2	27.2	36.3
77.5°	21.2	13.1	8.1	5.0	4.0	5.0	8.1	12.1	18.2	25.2	35.3
80°	18.2	11.1	7.1	4.0	3.0	4.0	7.1	10.1	14.1	19.2	27.2
82.5°	14.1	9.1	5.0	2.0	1.0	2.0	5.0	6.1	9.1	11.1	16.1
85°	9.1	5.0	2.0	0.0	0.0	0.0	2.0	4.0	4.0	5.0	8.1
87.5°	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	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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CATALOG NUMBER: GWS-SA3C-760-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0	454.0
2.5°	425.7	426.7	428.8	431.8	438.9	444.9	451.0	459.0	463.1	463.1
5°	385.4	386.4	387.4	391.4	401.5	409.6	422.7	438.9	446.9	448.9
7.5°	354.1	356.1	358.1	361.2	371.3	382.4	399.5	429.8	444.9	447.9
10°	335.9	339.0	343.0	349.1	358.1	370.3	399.5	454.0	479.2	484.3
12.5°	321.8	326.9	330.9	338.0	349.1	368.2	426.7	522.6	567.0	579.1
15°	307.7	313.8	319.8	326.9	339.0	375.3	479.2	645.7	719.3	728.4
17.5°	293.6	300.6	308.7	316.8	331.9	392.4	561.9	816.2	919.1	939.2
20°	277.4	286.5	297.6	307.7	324.9	419.7	676.9	1018.9	1148.1	1191.5
22.5°	260.3	271.4	284.5	297.6	316.8	453.0	816.2	1236.9	1417.4	1445.7
25°	246.2	257.3	269.4	282.5	303.7	493.3	984.6	1507.2	1671.7	1698.9
27.5°	233.0	244.1	255.2	267.3	290.6	545.8	1187.4	1794.8	1966.3	1994.5
30°	218.9	232.0	243.1	255.2	278.4	610.4	1421.5	2113.6	2276.0	2302.2
32.5°	206.8	219.9	231.0	243.1	269.4	681.0	1667.6	2396.0	2528.2	2528.2
35°	196.7	210.9	218.9	235.1	262.3	726.4	1900.7	2665.4	2765.3	2761.2
37.5°	185.6	202.8	208.8	219.9	253.2	731.4	2119.6	2949.9	3023.5	2997.3
40°	174.5	192.7	201.8	207.8	243.1	690.1	2359.7	3211.2	3273.7	3239.4
42.5°	164.4	178.6	191.7	198.7	237.1	617.4	2552.4	3490.6	3565.3	3535.0
45°	154.4	166.5	174.5	187.6	241.1	567.0	2717.9	3816.5	3947.7	3925.5
47.5°	144.3	154.4	159.4	179.6	268.4	543.8	2818.7	4320.9	4568.1	4549.9
50°	133.2	145.3	145.3	177.6	308.7	551.8	2906.5	5051.3	5433.7	5427.6
52.5°	122.1	135.2	133.2	192.7	340.0	589.2	3006.4	5696.0	6360.8	6416.3
55°	111.0	123.1	125.1	223.0	358.1	621.5	2620.0	5967.4	7152.8	7347.5
57.5°	98.9	105.9	130.1	246.2	352.1	715.3	1794.8	6016.8	7658.2	8075.9
60°	85.8	91.8	147.3	241.1	332.9	660.8	1129.9	5572.9	7586.6	8116.2
62.5°	74.7	84.7	155.4	212.9	339.0	573.0	720.3	4749.7	6903.6	7507.9
65°	65.6	81.7	141.2	192.7	343.0	388.4	486.3	3863.9	6236.7	6811.8
67.5°	58.5	90.8	116.0	171.5	294.6	273.4	333.9	3002.4	5244.0	5759.6
70°	53.5	92.8	94.8	147.3	228.0	175.5	219.9	2020.7	3614.7	4203.9
72.5°	48.4	68.6	71.6	118.0	147.3	106.9	142.2	1156.1	2635.1	3036.7
75°	46.4	46.4	49.4	76.7	81.7	77.7	91.8	690.1	1889.6	2183.2
77.5°	43.4	35.3	31.3	49.4	44.4	55.5	54.5	306.7	819.2	885.8
80°	34.3	25.2	21.2	31.3	30.3	37.3	32.3	25.2	37.3	36.3
82.5°	21.2	16.1	15.1	19.2	17.2	19.2	15.1	4.0	4.0	4.0
85°	10.1	9.1	8.1	8.1	9.1	8.1	6.1	2.0	1.0	1.0
87.5°	5.0	5.0	4.0	3.0	4.0	4.0	3.0	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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