

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: P633916

Luminaire Tested: GWS-SA2F-760-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633916
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-SA2F-760-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9909.7 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

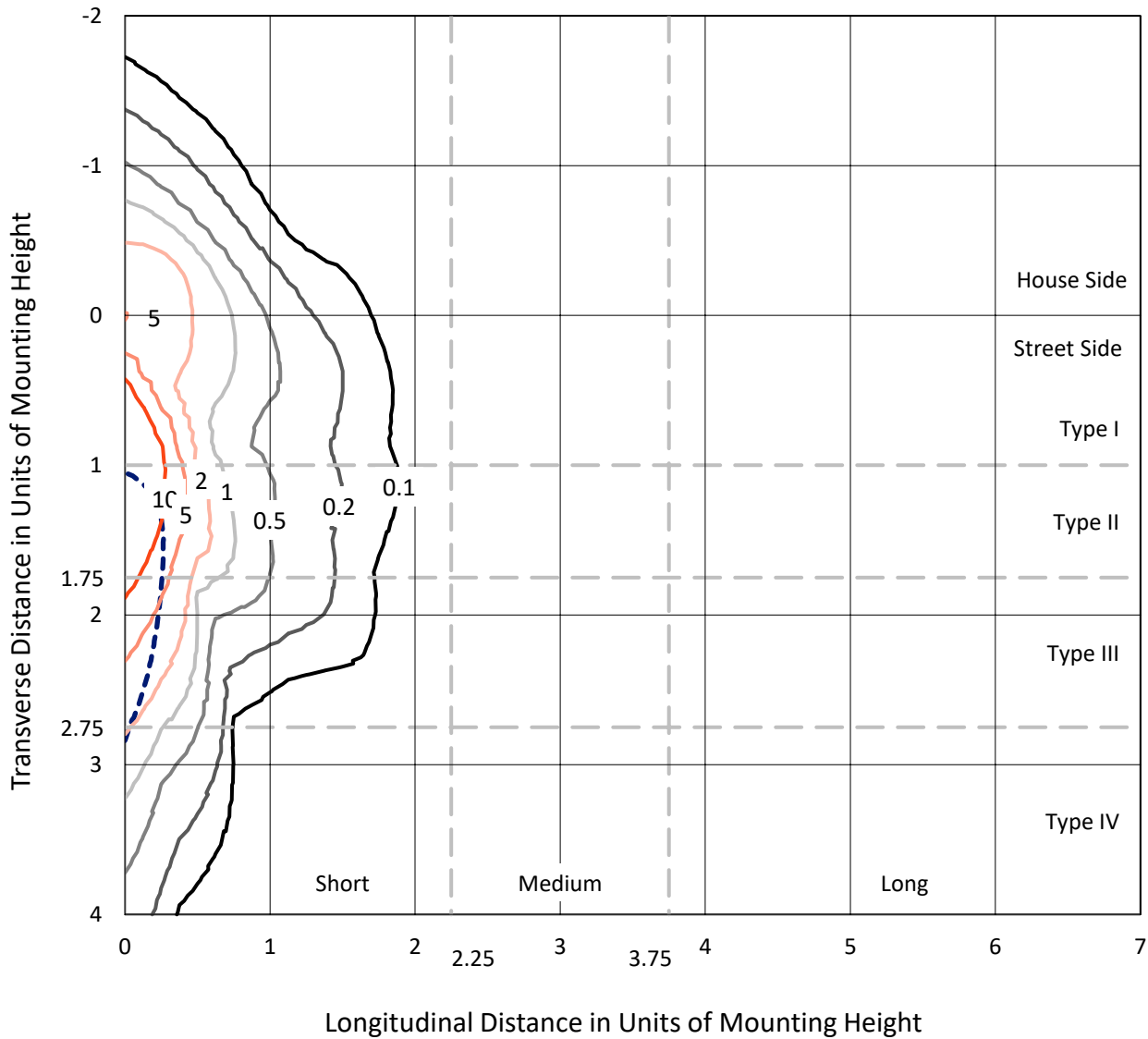
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633916
 CATALOG NUMBER: GWS-SA2F-760-U-SLL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

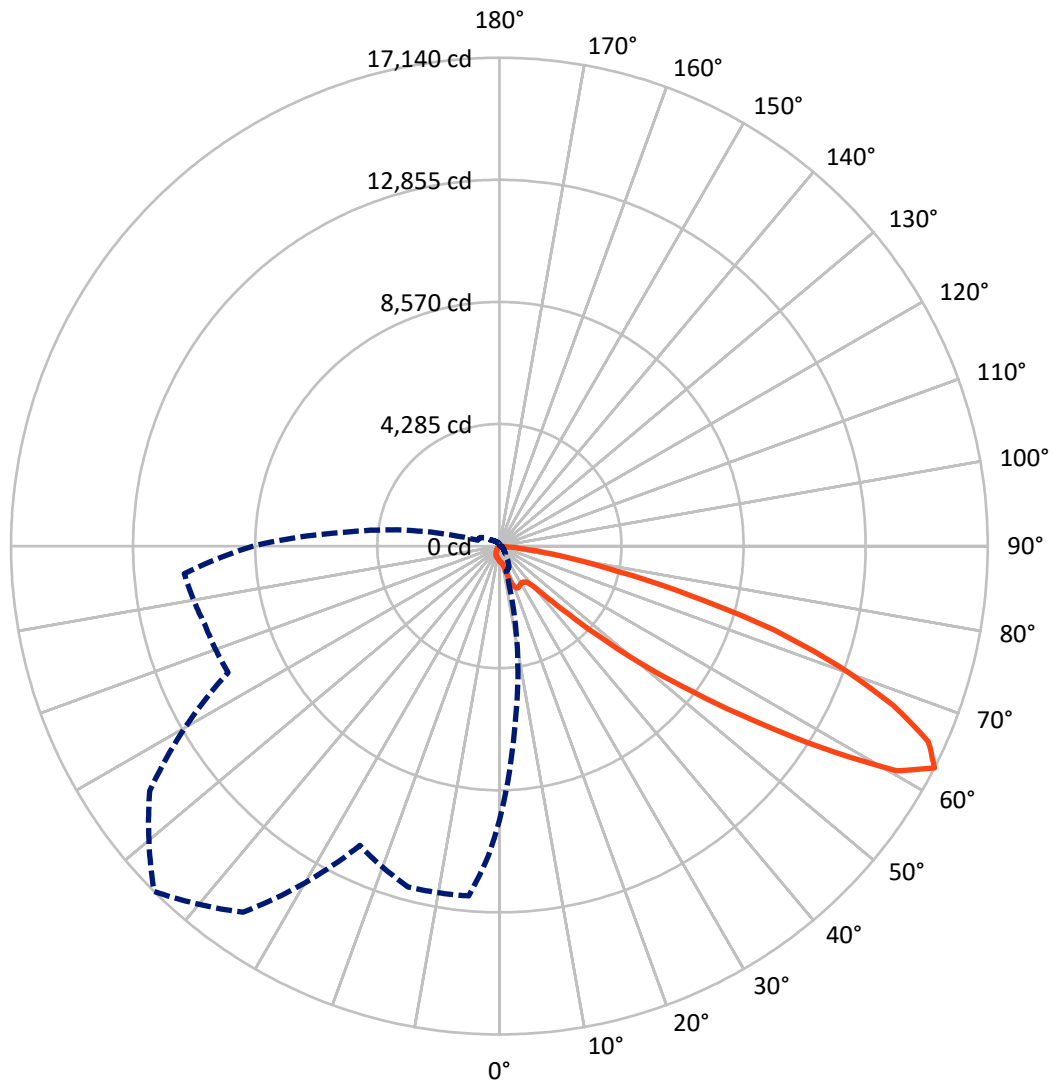
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.7 fc
 Type III - Short - N/A

REPORT NUMBER: P633916
CATALOG NUMBER: GWS-SA2F-760-U-SLL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633916
 CATALOG NUMBER: GWS-SA2F-760-U-SLL-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1151.4	0.0	1151.4
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	8758.3	0.0	8758.3
	% Fixture	88.4	0.0	88.4
Total	Lumens	9909.7	0.0	9909.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	0.4
10°-20°	152.1	1.5
20°-30°	343.6	3.5
30°-40°	592.0	6.0
40°-50°	1116.7	11.3
50°-60°	2493.4	25.2
60°-70°	3334.8	33.7
70°-80°	1672.3	16.9
80°-90°	160.3	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°	9909.7	100.0
0°-180°	9909.7	100.0

Coefficient of Utilization



REPORT NUMBER: P633916

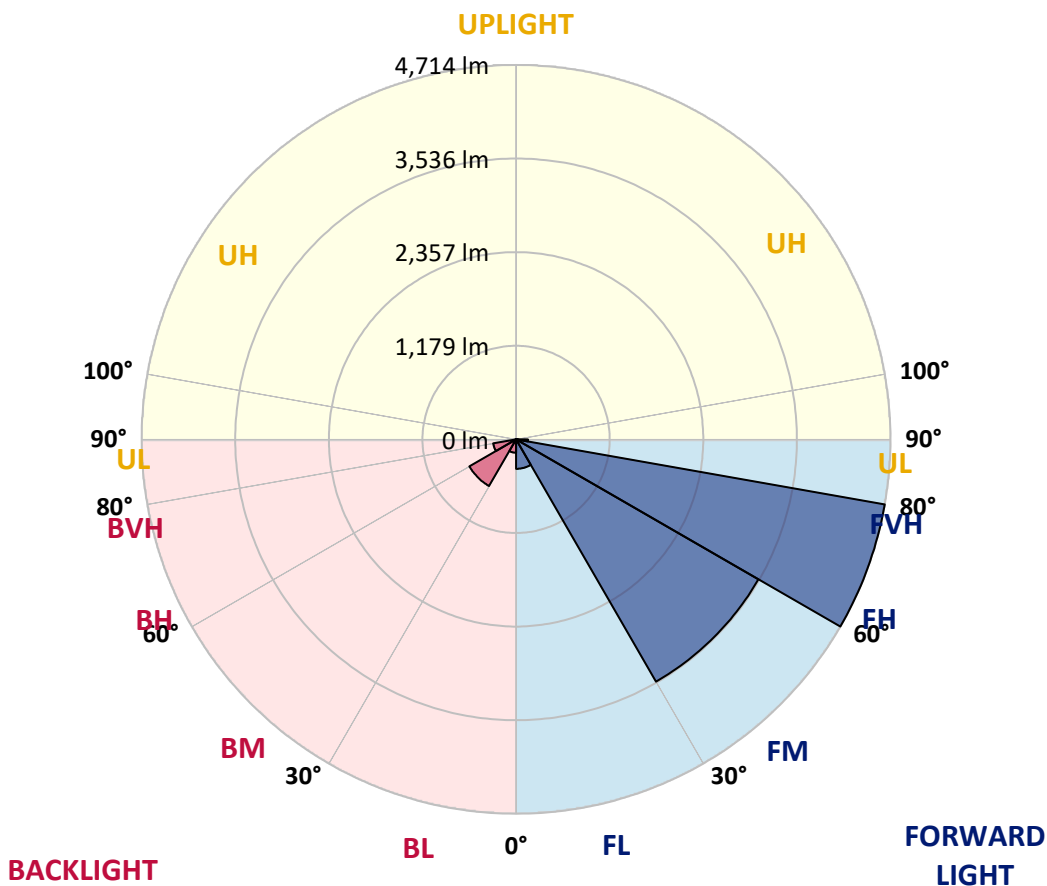
CATALOG NUMBER: GWS-SA2F-760-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.1	3.7			
FM (30°-60°)	3523.2	35.6			
FH (60°-80°)	4714.4	47.6			G2/5000
FVH (80°-90°)	149.6	1.5			G2/225
BL (0°-30°)	169.0	1.7	B1/500		
BM (30°-60°)	678.9	6.9	B1/1000		
BH (60°-80°)	292.8	3.0	B1/500		G1/500
BVH (80°-90°)	10.7	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-G2

Type III Short





REPORT NUMBER: P633916

CATALOG NUMBER: GWS-SA2F-760-U-SLL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9
2.5°	508.1	506.9	504.5	497.5	491.6	488.1	481.1	481.1	479.9	477.6	472.9
5°	491.6	486.9	482.3	469.3	455.3	447.0	437.7	436.5	436.5	434.1	433.0
7.5°	465.8	461.1	455.3	434.1	421.2	413.0	404.8	403.6	400.1	400.1	400.1
10°	451.7	444.7	435.3	411.8	398.9	391.9	386.0	382.5	380.2	376.6	375.5
12.5°	482.3	469.3	449.4	407.2	389.6	380.2	373.1	370.8	363.7	359.0	355.5
15°	577.3	545.6	505.7	417.7	386.0	372.0	362.6	357.9	352.0	343.8	337.9
17.5°	733.3	687.6	620.7	451.7	382.5	364.9	353.2	345.0	336.8	327.4	320.3
20°	949.2	881.2	801.4	513.9	382.5	356.7	342.6	332.1	320.3	309.8	301.6
22.5°	1223.8	1155.8	1019.6	619.5	387.2	346.1	329.7	315.6	301.6	292.2	282.8
25°	1531.2	1435.0	1308.3	747.4	400.1	332.1	314.5	300.4	287.5	275.7	265.2
27.5°	1873.9	1769.4	1600.5	929.3	428.3	318.0	298.0	285.1	273.4	261.7	247.6
30°	2189.5	2127.3	1954.8	1147.5	474.0	308.6	285.1	273.4	261.7	246.4	233.5
32.5°	2568.5	2458.2	2316.2	1396.3	535.1	299.2	274.6	258.1	248.8	234.7	220.6
35°	2949.8	2856.0	2669.4	1702.5	603.1	289.8	261.7	246.4	238.2	221.8	206.5
37.5°	3342.9	3321.8	3137.6	2041.6	670.0	279.3	246.4	237.0	228.8	210.0	192.4
40°	3730.1	3691.4	3521.3	2428.9	711.1	267.5	233.5	227.6	218.2	197.1	177.2
42.5°	4100.9	4071.6	3906.1	2799.6	705.2	257.0	220.6	213.6	206.5	185.4	160.8
45°	4556.2	4508.0	4299.2	3074.2	645.3	268.7	207.7	196.0	194.8	174.8	144.3
47.5°	5408.0	5249.6	4895.3	3285.4	585.5	299.2	193.6	179.5	187.7	164.3	127.9
50°	6601.3	6414.8	5902.0	3449.7	584.3	339.1	191.3	164.3	181.9	156.1	113.8
52.5°	7800.5	7472.0	6848.9	3537.7	627.7	368.4	212.4	149.0	174.8	147.8	103.3
55°	8949.2	8267.5	7245.5	3246.7	661.8	400.1	251.1	140.8	161.9	138.5	97.4
57.5°	10044.0	8907.0	7418.0	2568.5	775.6	413.0	274.6	144.3	143.1	126.7	92.7
60°	10194.1	8876.5	7069.5	1493.7	855.4	390.7	265.2	160.8	125.5	112.6	84.5
62.5°	9626.2	8286.3	6275.1	931.6	794.4	382.5	235.8	183.0	113.8	99.7	73.9
65°	8763.8	7360.5	5232.0	600.8	601.9	424.8	206.5	179.5	106.8	88.0	63.4
67.5°	7415.6	6160.1	4122.0	402.5	340.3	362.6	180.7	123.2	104.4	75.1	49.3
70°	5412.7	4384.8	2683.5	268.7	203.0	289.8	151.4	88.0	98.6	62.2	35.2
72.5°	3956.6	2946.3	1498.4	176.0	115.0	169.0	111.5	63.4	76.3	45.8	24.6
75°	2847.7	2027.6	855.4	112.6	76.3	92.7	72.7	43.4	49.3	36.4	22.3
77.5°	1370.5	988.0	388.4	62.2	51.6	46.9	38.7	27.0	30.5	32.9	19.9
80°	51.6	38.7	29.3	30.5	32.9	21.1	17.6	14.1	17.6	22.3	10.6
82.5°	0.0	0.0	0.0	3.5	4.7	5.9	7.0	5.9	7.0	8.2	1.2
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



REPORT NUMBER: P633916

CATALOG NUMBER: GWS-SA2F-760-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9
2.5°	476.4	474.0	476.4	478.7	481.1	483.4	479.9	482.3	484.6	478.7	481.1
5°	438.8	437.7	444.7	448.2	452.9	455.3	452.9	452.9	451.7	444.7	444.7
7.5°	406.0	407.2	413.0	421.2	427.1	430.6	428.3	427.1	423.6	413.0	413.0
10°	381.3	381.3	390.7	397.8	406.0	409.5	407.2	403.6	400.1	389.6	388.4
12.5°	361.4	361.4	368.4	380.2	389.6	394.2	393.1	388.4	382.5	372.0	370.8
15°	342.6	341.4	352.0	362.6	375.5	381.3	379.0	375.5	364.9	355.5	353.2
17.5°	323.8	322.7	332.1	346.1	360.2	368.4	367.3	359.0	349.7	337.9	335.6
20°	305.1	302.7	314.5	328.5	342.6	350.8	348.5	341.4	329.7	318.0	315.6
22.5°	286.3	285.1	293.3	305.1	318.0	325.0	323.8	318.0	306.2	295.7	295.7
25°	265.2	265.2	271.0	279.3	288.6	292.2	293.3	291.0	284.0	278.1	278.1
27.5°	247.6	244.1	246.4	248.8	253.4	259.3	259.3	261.7	262.8	260.5	261.7
30°	233.5	227.6	224.1	219.4	217.1	219.4	221.8	230.0	238.2	242.9	245.2
32.5°	217.1	210.0	200.6	187.7	179.5	177.2	184.2	199.5	214.7	225.3	231.2
35°	200.6	191.3	173.7	154.9	144.3	140.8	149.0	166.6	188.9	207.7	215.9
37.5°	184.2	171.3	146.7	124.4	112.6	110.3	118.5	137.3	163.1	188.9	199.5
40°	165.4	150.2	120.9	97.4	88.0	85.7	92.7	111.5	138.5	167.8	184.2
42.5°	146.7	127.9	97.4	77.4	68.1	68.1	77.4	91.5	116.2	147.8	167.8
45°	127.9	107.9	79.8	62.2	56.3	57.5	63.4	77.4	97.4	130.2	149.0
47.5°	110.3	92.7	65.7	51.6	46.9	48.1	55.1	66.9	83.3	112.6	132.6
50°	95.0	78.6	57.5	43.4	39.9	42.2	49.3	59.8	73.9	99.7	116.2
52.5°	85.7	70.4	52.8	37.5	35.2	37.5	44.6	54.0	66.9	88.0	104.4
55°	81.0	69.2	52.8	34.0	30.5	32.9	39.9	49.3	59.8	79.8	93.9
57.5°	79.8	71.6	56.3	30.5	25.8	28.2	35.2	44.6	55.1	72.7	84.5
60°	75.1	68.1	55.1	24.6	19.9	23.5	29.3	38.7	50.5	68.1	78.6
62.5°	65.7	59.8	48.1	19.9	15.3	17.6	24.6	34.0	45.8	62.2	73.9
65°	54.0	48.1	37.5	12.9	9.4	11.7	18.8	29.3	39.9	56.3	66.9
67.5°	39.9	34.0	25.8	8.2	4.7	8.2	15.3	24.6	36.4	50.5	61.0
70°	24.6	19.9	14.1	4.7	3.5	7.0	14.1	23.5	32.9	46.9	57.5
72.5°	14.1	9.4	5.9	2.3	3.5	7.0	14.1	23.5	31.7	44.6	54.0
75°	10.6	5.9	2.3	1.2	2.3	5.9	12.9	21.1	30.5	42.2	51.6
77.5°	7.0	3.5	1.2	0.0	1.2	4.7	11.7	19.9	28.2	39.9	49.3
80°	1.2	0.0	0.0	0.0	0.0	3.5	10.6	17.6	25.8	35.2	43.4
82.5°	0.0	0.0	0.0	0.0	0.0	1.2	8.2	15.3	22.3	29.3	35.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	11.7	17.6	22.3	24.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	11.7	14.1	16.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P633916
 CATALOG NUMBER: GWS-SA2F-760-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9
2.5°	479.9	486.9	486.9	491.6	497.5	508.1	513.9	522.1	528.0	533.9	536.2
5°	443.5	444.7	445.9	448.2	455.3	467.0	477.6	490.5	505.7	517.5	524.5
7.5°	413.0	413.0	413.0	416.5	423.6	431.8	442.4	460.0	477.6	491.6	503.4
10°	387.2	390.7	391.9	397.8	406.0	416.5	428.3	443.5	463.5	482.3	503.4
12.5°	370.8	374.3	380.2	386.0	394.2	406.0	418.9	438.8	479.9	518.6	563.2
15°	355.5	360.2	367.3	375.5	384.9	397.8	411.8	452.9	549.1	621.9	692.3
17.5°	339.1	346.1	355.5	363.7	375.5	389.6	407.2	486.9	675.9	796.7	916.4
20°	318.0	327.4	337.9	350.8	364.9	381.3	407.2	557.3	858.9	1032.6	1191.0
22.5°	298.0	307.4	320.3	336.8	353.2	369.6	413.0	664.1	1094.7	1314.2	1514.8
25°	281.6	293.3	306.2	320.3	339.1	357.9	427.1	814.3	1378.7	1661.5	1803.5
27.5°	266.4	280.4	293.3	305.1	321.5	342.6	458.8	1015.0	1714.3	2001.8	2113.2
30°	251.1	267.5	280.4	292.2	308.6	330.9	506.9	1270.7	2087.4	2366.7	2378.4
32.5°	238.2	253.4	268.7	280.4	295.7	321.5	573.8	1570.0	2469.9	2739.8	2629.5
35°	224.1	241.7	255.8	268.7	285.1	313.3	651.2	1892.6	2856.0	3082.4	2879.4
37.5°	210.0	230.0	247.6	257.0	273.4	305.1	707.5	2229.4	3250.2	3416.8	3098.8
40°	197.1	219.4	239.4	248.8	257.0	294.5	715.7	2574.3	3650.3	3746.5	3305.4
42.5°	183.0	207.7	225.3	238.2	245.2	287.5	666.5	2865.3	3985.9	4075.1	3575.2
45°	167.8	197.1	211.2	220.6	234.7	292.2	603.1	3090.6	4369.6	4523.3	4019.9
47.5°	152.5	185.4	197.1	204.2	222.9	320.3	579.6	3240.8	5002.0	5321.2	4769.7
50°	138.5	174.8	187.7	186.6	220.6	356.7	605.5	3354.6	5952.5	6327.9	5797.6
52.5°	123.2	163.1	178.4	173.7	238.2	384.9	657.1	3445.0	6683.5	7508.3	7178.6
55°	110.3	150.2	164.3	163.1	271.0	406.0	697.0	2968.6	6986.2	8605.4	8734.5
57.5°	100.9	136.1	147.8	167.8	292.2	406.0	806.1	2107.4	6992.0	9412.7	10799.6
60°	92.7	123.2	131.4	184.2	284.0	384.9	797.9	1290.7	6444.1	9357.5	11897.9
62.5°	85.7	111.5	122.0	188.9	251.1	381.3	720.4	800.2	5496.0	8645.3	11101.2
65°	79.8	102.1	117.3	173.7	227.6	408.3	485.8	574.9	4457.6	7833.3	10187.1
67.5°	73.9	93.9	124.4	142.0	206.5	364.9	350.8	408.3	3499.0	6942.8	9348.2
70°	69.2	89.2	131.4	116.2	180.7	285.1	248.8	309.8	2678.8	5792.9	8166.6
72.5°	65.7	83.3	110.3	91.5	146.7	220.6	173.7	225.3	1750.7	4522.1	6657.6
75°	62.2	76.3	81.0	73.9	109.1	144.3	131.4	151.4	1043.1	3305.4	5051.3
77.5°	61.0	71.6	65.7	59.8	73.9	85.7	99.7	102.1	509.2	1653.3	2647.1
80°	54.0	64.5	56.3	49.3	50.5	56.3	73.9	68.1	116.2	420.1	706.4
82.5°	42.2	50.5	46.9	41.1	41.1	41.1	49.3	45.8	37.5	188.9	319.2
85°	29.3	35.2	35.2	32.9	31.7	31.7	30.5	29.3	10.6	11.7	17.6
87.5°	19.9	24.6	25.8	24.6	21.1	18.8	16.4	14.1	4.7	0.0	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



REPORT NUMBER: P633916

CATALOG NUMBER: GWS-SA2F-760-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9
2.5°	544.4	548.0	548.0	543.3	539.7	530.4	521.0	511.6	509.2	508.1
5°	544.4	558.5	565.6	564.4	556.2	540.9	521.0	499.9	494.0	491.6
7.5°	536.2	563.2	584.3	587.9	572.6	545.6	509.2	477.6	469.3	465.8
10°	555.0	607.8	650.0	655.9	638.3	585.5	526.8	472.9	460.0	451.7
12.5°	655.9	742.7	794.4	819.0	785.0	718.1	620.7	524.5	495.2	482.3
15°	860.1	983.3	1081.8	1081.8	1050.2	931.6	808.4	652.4	612.5	577.3
17.5°	1121.7	1276.6	1363.4	1354.1	1305.9	1222.6	1074.8	850.7	769.7	733.3
20°	1419.8	1512.5	1532.4	1526.5	1505.4	1457.3	1355.2	1114.7	1005.6	949.2
22.5°	1677.9	1653.3	1623.9	1600.5	1594.6	1608.7	1594.6	1409.2	1323.5	1223.8
25°	1852.7	1713.1	1625.1	1582.9	1602.8	1683.8	1771.8	1702.5	1634.5	1531.2
27.5°	1947.8	1706.1	1579.3	1535.9	1570.0	1684.9	1876.2	1993.5	1923.1	1873.9
30°	1999.4	1700.2	1550.0	1507.8	1559.4	1703.7	1948.9	2265.8	2268.1	2189.5
32.5°	2073.3	1737.7	1555.9	1517.2	1586.4	1760.0	2040.5	2542.7	2610.7	2568.5
35°	2156.6	1795.2	1582.9	1547.7	1633.3	1835.1	2142.6	2821.9	2963.9	2949.8
37.5°	2235.2	1859.8	1646.2	1612.2	1704.9	1899.7	2241.1	3096.5	3293.6	3342.9
40°	2317.4	1950.1	1841.0	1873.9	1925.5	2001.8	2329.1	3334.7	3656.2	3730.1
42.5°	2511.0	2263.4	2430.0	2492.2	2499.3	2342.0	2521.5	3639.8	4012.9	4100.9
45°	2942.8	2820.8	3298.3	3386.3	3340.6	2864.2	2985.0	4079.8	4511.6	4556.2
47.5°	3488.4	3544.7	4486.9	4790.8	4516.3	3480.2	3547.1	5005.5	5424.4	5408.0
50°	4124.4	4390.7	5836.3	6553.2	5896.1	4280.4	4194.8	6143.7	6651.8	6601.3
52.5°	4876.5	5374.0	7457.9	8476.3	7854.5	5180.4	5145.2	7651.5	7961.2	7800.5
55°	5823.4	6323.2	9323.5	10746.8	9862.1	6278.6	6399.5	9399.8	9459.6	8949.2
57.5°	7236.1	7561.1	11522.4	13350.5	11957.7	7771.2	8647.7	11726.6	11010.8	10044.0
60°	9801.1	9153.4	13647.3	16014.0	14187.1	9870.3	11612.7	13105.2	11527.1	10194.1
62.5°	10694.0	10505.1	14977.9	17140.4	15686.6	11594.0	12383.6	12323.8	10858.3	9626.2
65°	9341.1	10168.3	14739.7	16545.5	15494.2	11310.0	11112.9	11461.4	10105.0	8763.8
67.5°	8628.9	9377.5	13837.4	14904.0	14427.6	10346.7	9905.5	9810.5	8483.4	7415.6
70°	7910.8	8652.3	12529.1	12661.7	12440.0	8776.7	8197.1	7560.0	6340.8	5412.7
72.5°	7047.2	7455.5	10713.9	10085.0	9833.9	6893.5	6771.5	5693.1	4753.3	3956.6
75°	6146.1	6027.5	8353.1	6921.6	7109.4	5363.4	5719.0	4180.7	3482.5	2847.7
77.5°	4470.5	4382.5	5594.6	4204.1	4655.9	3513.0	3156.3	1668.5	1588.7	1370.5
80°	2494.6	3007.3	3021.4	2356.1	2939.3	2290.4	789.7	55.1	35.2	51.6
82.5°	1159.3	1293.0	1638.0	1092.4	1676.7	1134.6	163.1	0.0	0.0	0.0
85°	375.5	549.1	460.0	160.8	406.0	383.7	27.0	0.0	0.0	0.0
87.5°	22.3	45.8	11.7	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

(END OF REPORT)