

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: P635786

Luminaire Tested: GWS-SA3E-740-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635786
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-SA3E-740-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13315.2 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

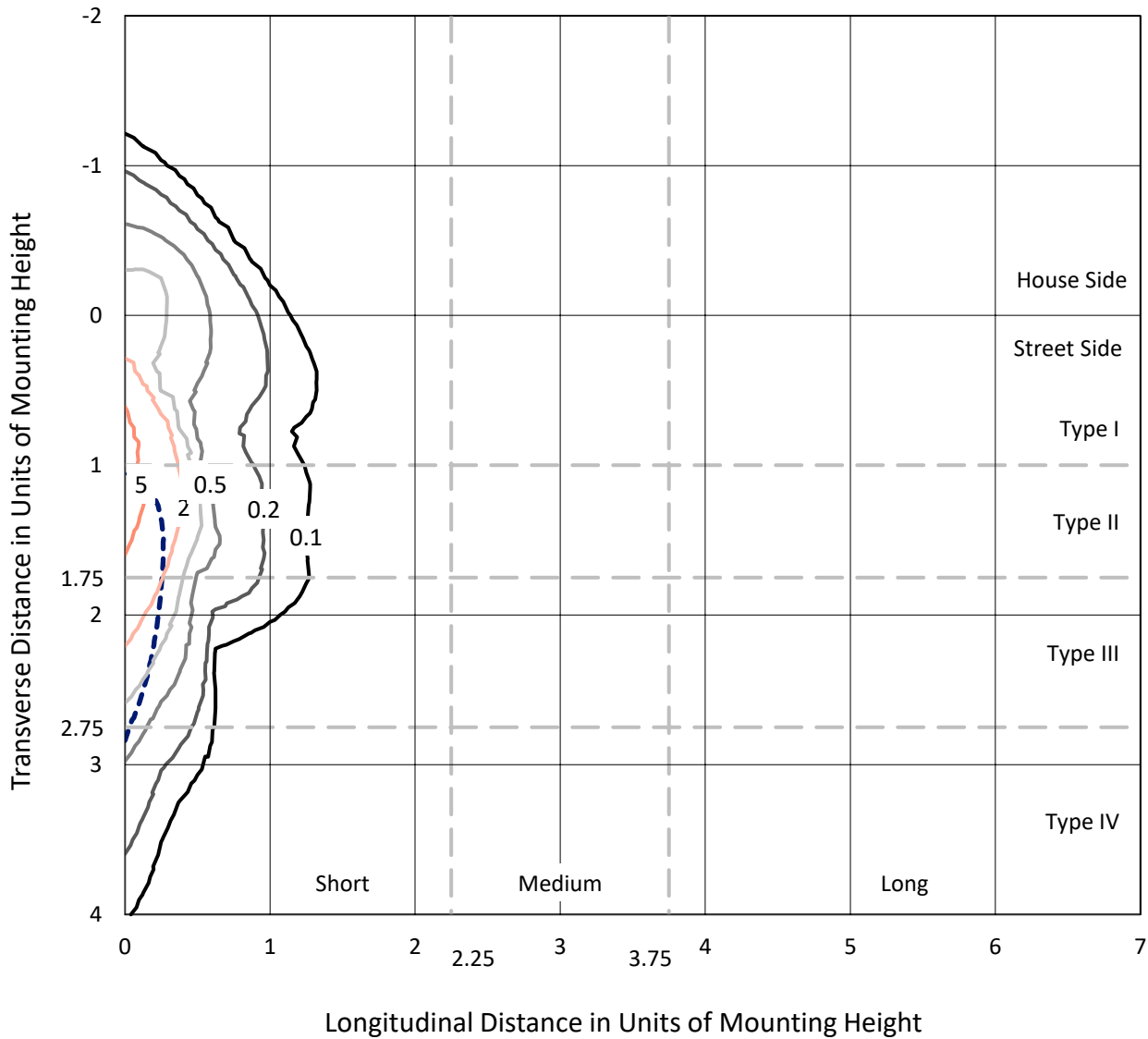
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635786
 CATALOG NUMBER: GWS-SA3E-740-U-SLL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

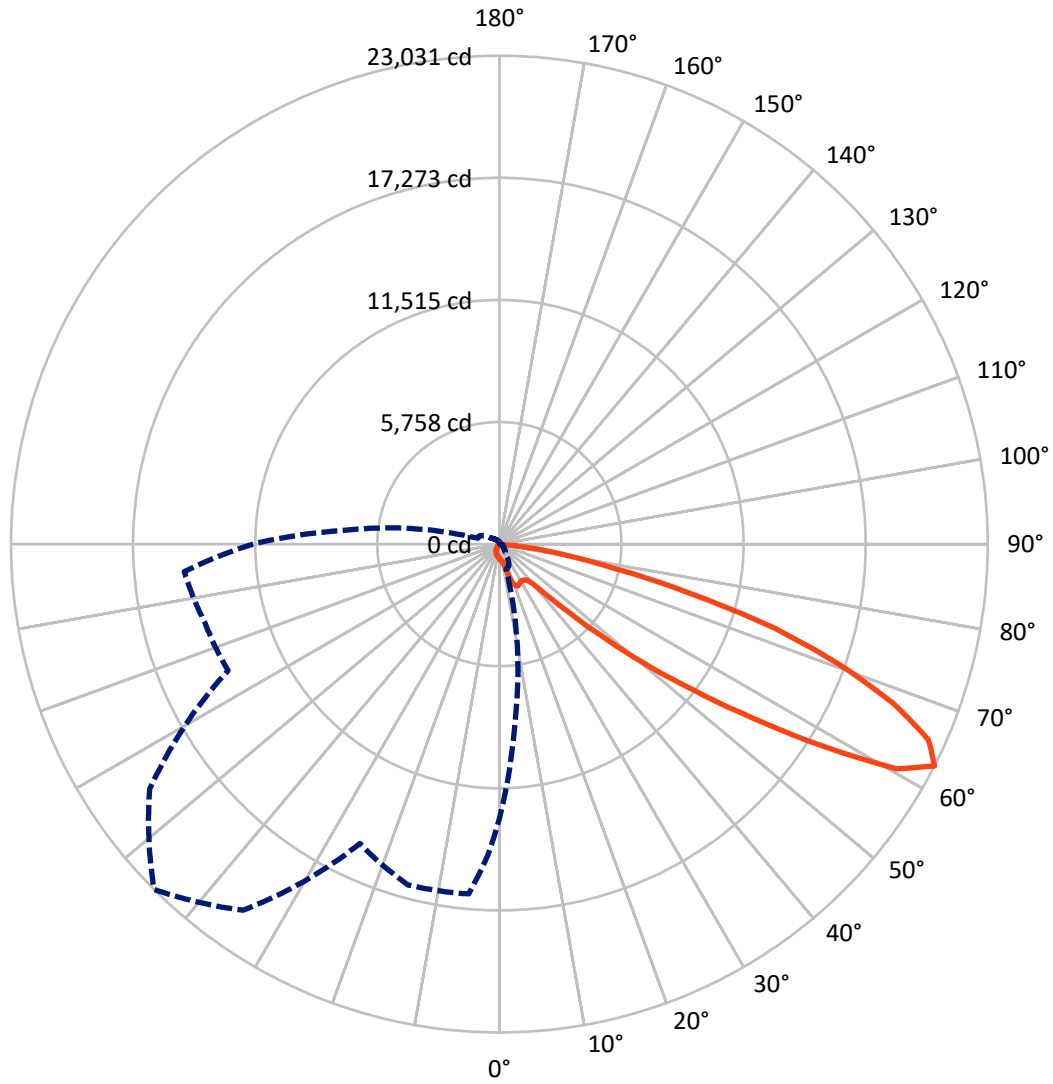
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Short - N/A

REPORT NUMBER: P635786
CATALOG NUMBER: GWS-SA3E-740-U-SLL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635786
 CATALOG NUMBER: GWS-SA3E-740-U-SLL-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1547.1	0.0	1547.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	11768.1	0.0	11768.1
	% Fixture	88.4	0.0	88.4
Total	Lumens	13315.2	0.0	13315.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	0.4
10°-20°	204.4	1.5
20°-30°	461.7	3.5
30°-40°	795.4	6.0
40°-50°	1500.5	11.3
50°-60°	3350.2	25.2
60°-70°	4480.9	33.7
70°-80°	2247.0	16.9
80°-90°	215.4	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°	13315.2	100.0
0°-180°	13315.2	100.0

Coefficient of Utilization



REPORT NUMBER: P635786

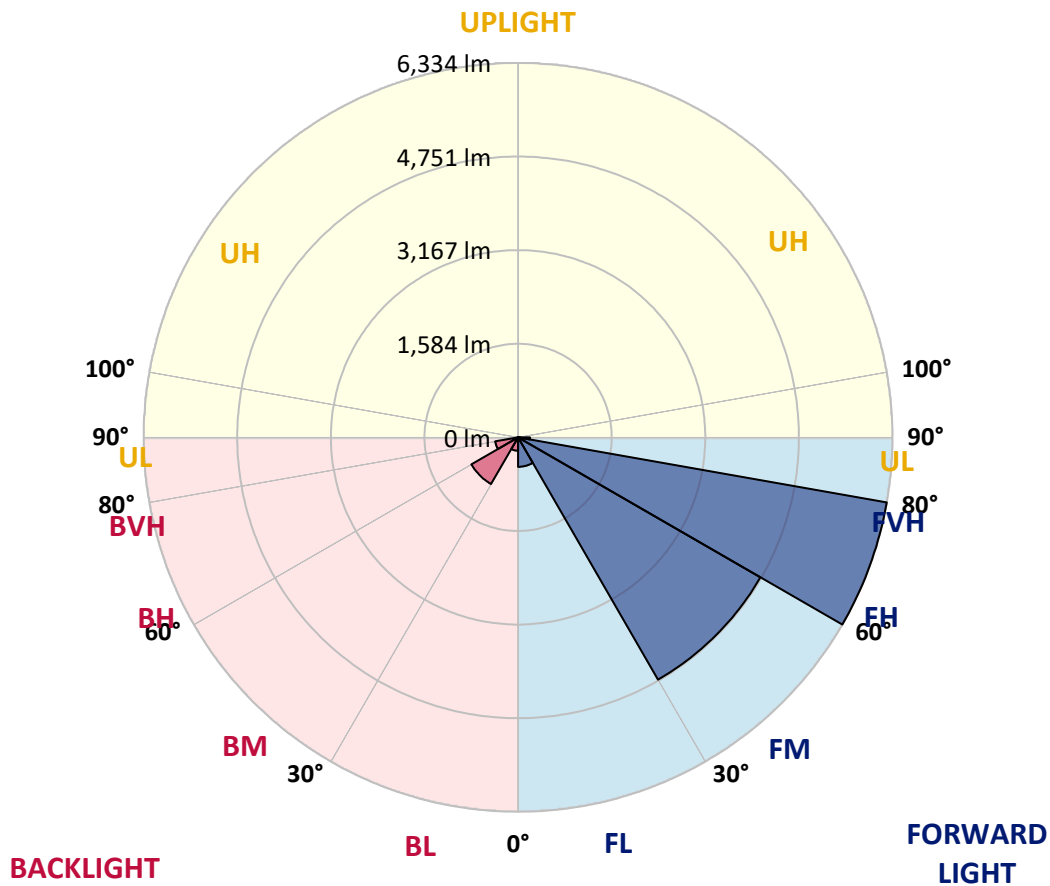
CATALOG NUMBER: GWS-SA3E-740-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.7	3.7			
FM (30°-60°)	4733.9	35.6			
FH (60°-80°)	6334.5	47.6			G3/7500
FVH (80°-90°)	201.0	1.5			G2/225
BL (0°-30°)	227.1	1.7	B1/500		
BM (30°-60°)	912.2	6.9	B1/1000		
BH (60°-80°)	393.4	3.0	B1/500		G1/500
BVH (80°-90°)	14.3	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-G3

Type III Short





REPORT NUMBER: P635786

CATALOG NUMBER: GWS-SA3E-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5
2.5°	682.7	681.1	677.9	668.5	660.6	655.9	646.4	646.4	644.8	641.7	635.4
5°	660.6	654.3	648.0	630.6	611.7	600.7	588.1	586.5	586.5	583.3	581.8
7.5°	625.9	619.6	611.7	583.3	566.0	555.0	543.9	542.3	537.6	537.6	537.6
10°	607.0	597.5	584.9	553.4	536.0	526.6	518.7	514.0	510.8	506.1	504.5
12.5°	648.0	630.6	603.8	547.1	523.4	510.8	501.4	498.2	488.7	482.4	477.7
15°	775.7	733.1	679.5	561.3	518.7	499.8	487.2	480.9	473.0	461.9	454.1
17.5°	985.4	923.9	834.0	607.0	514.0	490.3	474.6	463.5	452.5	439.9	430.4
20°	1275.5	1184.0	1076.8	690.5	514.0	479.3	460.4	446.2	430.4	416.2	405.2
22.5°	1644.4	1552.9	1370.1	832.4	520.3	465.1	443.0	424.1	405.2	392.6	380.0
25°	2057.4	1928.2	1757.9	1004.3	537.6	446.2	422.5	403.6	386.3	370.5	356.3
27.5°	2517.8	2377.5	2150.5	1248.7	575.5	427.3	400.5	383.1	367.3	351.6	332.7
30°	2941.9	2858.4	2626.6	1541.9	636.9	414.6	383.1	367.3	351.6	331.1	313.7
32.5°	3451.2	3303.0	3112.2	1876.1	718.9	402.0	368.9	346.8	334.2	315.3	296.4
35°	3963.5	3837.4	3586.7	2287.6	810.4	389.4	351.6	331.1	320.0	298.0	277.5
37.5°	4491.7	4463.3	4215.8	2743.3	900.2	375.2	331.1	318.5	307.4	282.2	258.6
40°	5012.0	4959.9	4731.3	3263.5	955.4	359.5	313.7	305.9	293.2	264.9	238.1
42.5°	5510.2	5470.8	5248.5	3761.7	947.5	345.3	296.4	286.9	277.5	249.1	216.0
45°	6121.9	6057.2	5776.6	4130.7	867.1	361.0	279.1	263.3	261.7	234.9	193.9
47.5°	7266.5	7053.7	6577.5	4414.4	786.7	402.0	260.1	241.2	252.3	220.7	171.8
50°	8869.9	8619.2	7930.2	4635.2	785.1	455.6	257.0	220.7	244.4	209.7	152.9
52.5°	10481.2	10039.7	9202.5	4753.4	843.5	495.0	285.4	200.2	234.9	198.7	138.7
55°	12024.6	11108.6	9735.4	4362.4	889.2	537.6	337.4	189.2	217.6	186.0	130.9
57.5°	13495.6	11967.9	9967.2	3451.2	1042.1	555.0	368.9	193.9	192.3	170.3	124.6
60°	13697.4	11926.9	9498.9	2007.0	1149.3	525.0	356.3	216.0	168.7	151.4	113.5
62.5°	12934.3	11133.9	8431.6	1251.8	1067.3	514.0	316.9	245.9	152.9	134.0	99.3
65°	11775.5	9889.9	7030.0	807.2	808.8	570.7	277.5	241.2	143.5	118.2	85.1
67.5°	9964.0	8277.1	5538.6	540.8	457.2	487.2	242.8	165.5	140.3	100.9	66.2
70°	7272.8	5891.7	3605.7	361.0	272.7	389.4	203.4	118.2	132.4	83.6	47.3
72.5°	5316.3	3958.8	2013.3	236.5	154.5	227.0	149.8	85.1	102.5	61.5	33.1
75°	3826.4	2724.3	1149.3	151.4	102.5	124.6	97.7	58.3	66.2	48.9	30.0
77.5°	1841.5	1327.5	521.9	83.6	69.4	63.1	52.0	36.3	41.0	44.1	26.8
80°	69.4	52.0	39.4	41.0	44.1	28.4	23.6	18.9	23.6	30.0	14.2
82.5°	0.0	0.0	0.0	4.7	6.3	7.9	9.5	7.9	9.5	11.0	1.6
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: P635786

CATALOG NUMBER: GWS-SA3E-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5
2.5°	640.1	636.9	640.1	643.2	646.4	649.6	644.8	648.0	651.1	643.2	646.4
5°	589.6	588.1	597.5	602.3	608.6	611.7	608.6	608.6	607.0	597.5	597.5
7.5°	545.5	547.1	555.0	566.0	573.9	578.6	575.5	573.9	569.1	555.0	555.0
10°	512.4	512.4	525.0	534.5	545.5	550.2	547.1	542.3	537.6	523.4	521.9
12.5°	485.6	485.6	495.0	510.8	523.4	529.7	528.2	521.9	514.0	499.8	498.2
15°	460.4	458.8	473.0	487.2	504.5	512.4	509.2	504.5	490.3	477.7	474.6
17.5°	435.1	433.6	446.2	465.1	484.0	495.0	493.5	482.4	469.8	454.1	450.9
20°	409.9	406.8	422.5	441.4	460.4	471.4	468.2	458.8	443.0	427.3	424.1
22.5°	384.7	383.1	394.1	409.9	427.3	436.7	435.1	427.3	411.5	397.3	397.3
25°	356.3	356.3	364.2	375.2	387.8	392.6	394.1	391.0	381.5	373.7	373.7
27.5°	332.7	327.9	331.1	334.2	340.5	348.4	348.4	351.6	353.2	350.0	351.6
30°	313.7	305.9	301.1	294.8	291.7	294.8	298.0	309.0	320.0	326.4	329.5
32.5°	291.7	282.2	269.6	252.3	241.2	238.1	247.5	268.0	288.5	302.7	310.6
35°	269.6	257.0	233.3	208.1	193.9	189.2	200.2	223.9	253.8	279.1	290.1
37.5°	247.5	230.2	197.1	167.1	151.4	148.2	159.2	184.5	219.1	253.8	268.0
40°	222.3	201.8	162.4	130.9	118.2	115.1	124.6	149.8	186.0	225.5	247.5
42.5°	197.1	171.8	130.9	104.1	91.4	91.4	104.1	123.0	156.1	198.7	225.5
45°	171.8	145.0	107.2	83.6	75.7	77.3	85.1	104.1	130.9	175.0	200.2
47.5°	148.2	124.6	88.3	69.4	63.1	64.6	74.1	89.9	111.9	151.4	178.2
50°	127.7	105.6	77.3	58.3	53.6	56.8	66.2	80.4	99.3	134.0	156.1
52.5°	115.1	94.6	70.9	50.5	47.3	50.5	59.9	72.5	89.9	118.2	140.3
55°	108.8	93.0	70.9	45.7	41.0	44.1	53.6	66.2	80.4	107.2	126.1
57.5°	107.2	96.2	75.7	41.0	34.7	37.8	47.3	59.9	74.1	97.7	113.5
60°	100.9	91.4	74.1	33.1	26.8	31.5	39.4	52.0	67.8	91.4	105.6
62.5°	88.3	80.4	64.6	26.8	20.5	23.6	33.1	45.7	61.5	83.6	99.3
65°	72.5	64.6	50.5	17.3	12.6	15.8	25.2	39.4	53.6	75.7	89.9
67.5°	53.6	45.7	34.7	11.0	6.3	11.0	20.5	33.1	48.9	67.8	82.0
70°	33.1	26.8	18.9	6.3	4.7	9.5	18.9	31.5	44.1	63.1	77.3
72.5°	18.9	12.6	7.9	3.2	4.7	9.5	18.9	31.5	42.6	59.9	72.5
75°	14.2	7.9	3.2	1.6	3.2	7.9	17.3	28.4	41.0	56.8	69.4
77.5°	9.5	4.7	1.6	0.0	1.6	6.3	15.8	26.8	37.8	53.6	66.2
80°	1.6	0.0	0.0	0.0	0.0	4.7	14.2	23.6	34.7	47.3	58.3
82.5°	0.0	0.0	0.0	0.0	0.0	1.6	11.0	20.5	30.0	39.4	47.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.3	15.8	23.6	30.0	33.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.8	18.9	22.1
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: P635786
 CATALOG NUMBER: GWS-SA3E-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5
2.5°	644.8	654.3	654.3	660.6	668.5	682.7	690.5	701.6	709.5	717.3	720.5
5°	596.0	597.5	599.1	602.3	611.7	627.5	641.7	659.0	679.5	695.3	704.7
7.5°	555.0	555.0	555.0	559.7	569.1	580.2	594.4	618.0	641.7	660.6	676.4
10°	520.3	525.0	526.6	534.5	545.5	559.7	575.5	596.0	622.8	648.0	676.4
12.5°	498.2	502.9	510.8	518.7	529.7	545.5	562.8	589.6	644.8	696.9	756.8
15°	477.7	484.0	493.5	504.5	517.1	534.5	553.4	608.6	737.8	835.6	930.2
17.5°	455.6	465.1	477.7	488.7	504.5	523.4	547.1	654.3	908.1	1070.5	1231.3
20°	427.3	439.9	454.1	471.4	490.3	512.4	547.1	748.9	1154.1	1387.4	1600.2
22.5°	400.5	413.1	430.4	452.5	474.6	496.6	555.0	892.3	1471.0	1765.8	2035.4
25°	378.4	394.1	411.5	430.4	455.6	480.9	573.9	1094.2	1852.5	2232.4	2423.2
27.5°	357.9	376.8	394.1	409.9	432.0	460.4	616.4	1363.7	2303.4	2689.7	2839.4
30°	337.4	359.5	376.8	392.6	414.6	444.6	681.1	1707.4	2804.7	3180.0	3195.7
32.5°	320.0	340.5	361.0	376.8	397.3	432.0	771.0	2109.5	3318.7	3681.3	3533.1
35°	301.1	324.8	343.7	361.0	383.1	420.9	875.0	2543.0	3837.4	4141.7	3868.9
37.5°	282.2	309.0	332.7	345.3	367.3	409.9	950.7	2995.5	4367.1	4591.0	4163.8
40°	264.9	294.8	321.6	334.2	345.3	395.7	961.7	3459.0	4904.8	5034.0	4441.2
42.5°	245.9	279.1	302.7	320.0	329.5	386.3	895.5	3850.0	5355.7	5475.5	4803.9
45°	225.5	264.9	283.8	296.4	315.3	392.6	810.4	4152.7	5871.2	6077.7	5401.4
47.5°	205.0	249.1	264.9	274.3	299.6	430.4	778.8	4354.5	6721.0	7149.8	6408.8
50°	186.0	234.9	252.3	250.7	296.4	479.3	813.5	4507.5	7998.0	8502.5	7789.9
52.5°	165.5	219.1	239.6	233.3	320.0	517.1	882.9	4628.9	8980.2	10088.6	9645.6
55°	148.2	201.8	220.7	219.1	364.2	545.5	936.5	3988.8	9387.0	11562.7	11736.1
57.5°	135.6	182.9	198.7	225.5	392.6	545.5	1083.1	2831.6	9394.9	12647.4	14510.9
60°	124.6	165.5	176.6	247.5	381.5	517.1	1072.1	1734.2	8658.6	12573.3	15986.6
62.5°	115.1	149.8	164.0	253.8	337.4	512.4	968.0	1075.2	7384.7	11616.3	14916.1
65°	107.2	137.2	157.7	233.3	305.9	548.7	652.7	772.5	5989.5	10525.3	13687.9
67.5°	99.3	126.1	167.1	190.8	277.5	490.3	471.4	548.7	4701.4	9328.7	12560.7
70°	93.0	119.8	176.6	156.1	242.8	383.1	334.2	416.2	3599.3	7783.6	10973.1
72.5°	88.3	111.9	148.2	123.0	197.1	296.4	233.3	302.7	2352.3	6076.2	8945.6
75°	83.6	102.5	108.8	99.3	146.6	193.9	176.6	203.4	1401.6	4441.2	6787.2
77.5°	82.0	96.2	88.3	80.4	99.3	115.1	134.0	137.2	684.2	2221.4	3556.8
80°	72.5	86.7	75.7	66.2	67.8	75.7	99.3	91.4	156.1	564.4	949.1
82.5°	56.8	67.8	63.1	55.2	55.2	55.2	66.2	61.5	50.5	253.8	428.8
85°	39.4	47.3	47.3	44.1	42.6	42.6	41.0	39.4	14.2	15.8	23.6
87.5°	26.8	33.1	34.7	33.1	28.4	25.2	22.1	18.9	6.3	0.0	3.2
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: P635786

CATALOG NUMBER: GWS-SA3E-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5
2.5°	731.5	736.3	736.3	730.0	725.2	712.6	700.0	687.4	684.2	682.7
5°	731.5	750.5	759.9	758.3	747.3	726.8	700.0	671.6	663.7	660.6
7.5°	720.5	756.8	785.1	789.9	769.4	733.1	684.2	641.7	630.6	625.9
10°	745.7	816.7	873.4	881.3	857.7	786.7	707.9	635.4	618.0	607.0
12.5°	881.3	998.0	1067.3	1100.5	1054.7	964.9	834.0	704.7	665.3	648.0
15°	1155.6	1321.2	1453.6	1453.6	1411.0	1251.8	1086.3	876.6	823.0	775.7
17.5°	1507.2	1715.3	1832.0	1819.4	1754.7	1642.8	1444.2	1143.0	1034.2	985.4
20°	1907.7	2032.2	2059.0	2051.1	2022.8	1958.1	1821.0	1497.8	1351.1	1275.5
22.5°	2254.5	2221.4	2182.0	2150.5	2142.6	2161.5	2142.6	1893.5	1778.4	1644.4
25°	2489.4	2301.8	2183.6	2126.8	2153.6	2262.4	2380.6	2287.6	2196.2	2057.4
27.5°	2617.1	2292.4	2122.1	2063.8	2109.5	2264.0	2521.0	2678.6	2584.0	2517.8
30°	2686.5	2284.5	2082.7	2025.9	2095.3	2289.2	2618.7	3044.4	3047.5	2941.9
32.5°	2785.8	2334.9	2090.6	2038.5	2131.5	2364.9	2741.7	3416.5	3507.9	3451.2
35°	2897.8	2412.2	2126.8	2079.5	2194.6	2465.8	2878.8	3791.7	3982.5	3963.5
37.5°	3003.4	2498.9	2212.0	2166.2	2290.8	2552.5	3011.3	4160.6	4425.5	4491.7
40°	3113.8	2620.3	2473.7	2517.8	2587.2	2689.7	3129.5	4480.7	4912.6	5012.0
42.5°	3373.9	3041.2	3265.1	3348.7	3358.1	3146.9	3388.1	4890.6	5391.9	5510.2
45°	3954.1	3790.1	4431.8	4550.0	4488.5	3848.5	4010.8	5481.8	6062.0	6121.9
47.5°	4687.2	4762.9	6028.9	6437.2	6068.3	4676.2	4766.0	6725.7	7288.6	7266.5
50°	5541.7	5899.6	7841.9	8805.2	7922.4	5751.4	5636.3	8255.0	8937.7	8869.9
52.5°	6552.3	7220.8	10020.8	11389.3	10553.7	6960.6	6913.3	10280.9	10697.1	10481.2
55°	7824.6	8496.2	12527.6	14440.0	13251.2	8436.3	8598.7	12630.0	12710.4	12024.6
57.5°	9722.8	10159.5	15482.1	17938.4	16067.0	10441.7	11619.5	15756.4	14794.7	13495.6
60°	13169.2	12299.0	18337.3	21517.3	19062.5	13262.3	15603.5	17608.9	15488.4	13697.4
62.5°	14369.0	14115.2	20125.1	23030.8	21077.4	15578.3	16639.3	16558.9	14589.7	12934.3
65°	12551.2	13662.7	19805.1	22231.5	20818.8	15196.7	14931.9	15400.1	13577.6	11775.5
67.5°	11594.2	12600.1	18592.7	20025.8	19385.7	13902.4	13309.6	13181.8	11398.7	9964.0
70°	10629.4	11625.8	16834.8	17013.0	16715.0	11792.9	11014.0	10158.0	8519.9	7272.8
72.5°	9469.0	10017.6	14395.8	13550.8	13213.4	9262.5	9098.5	7649.6	6386.8	5316.3
75°	8258.2	8098.9	11223.7	9300.3	9552.5	7206.6	7684.3	5617.4	4679.3	3826.4
77.5°	6006.8	5888.6	7517.2	5648.9	6255.9	4720.3	4241.0	2241.9	2134.7	1841.5
80°	3351.8	4040.8	4059.7	3165.8	3949.4	3077.5	1061.0	74.1	47.3	69.4
82.5°	1557.7	1737.4	2200.9	1467.8	2252.9	1524.6	219.1	0.0	0.0	0.0
85°	504.5	737.8	618.0	216.0	545.5	515.5	36.3	0.0	0.0	0.0
87.5°	30.0	61.5	15.8	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)