

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: P630396

Luminaire Tested: GWS-SA1D-750-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630396
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-SA1D-750-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3755.6 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

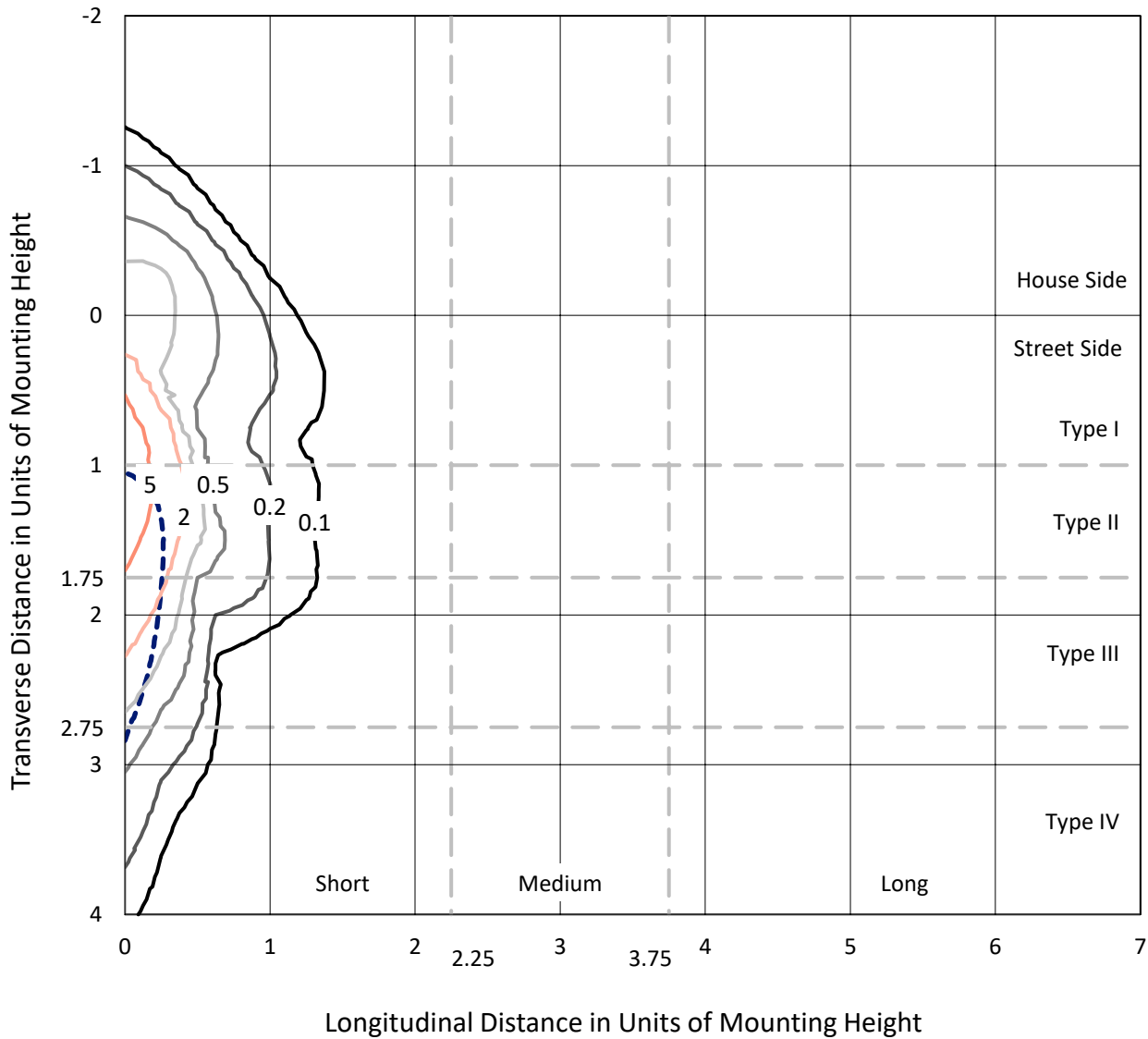
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630396
 CATALOG NUMBER: GWS-SA1D-750-U-SLL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

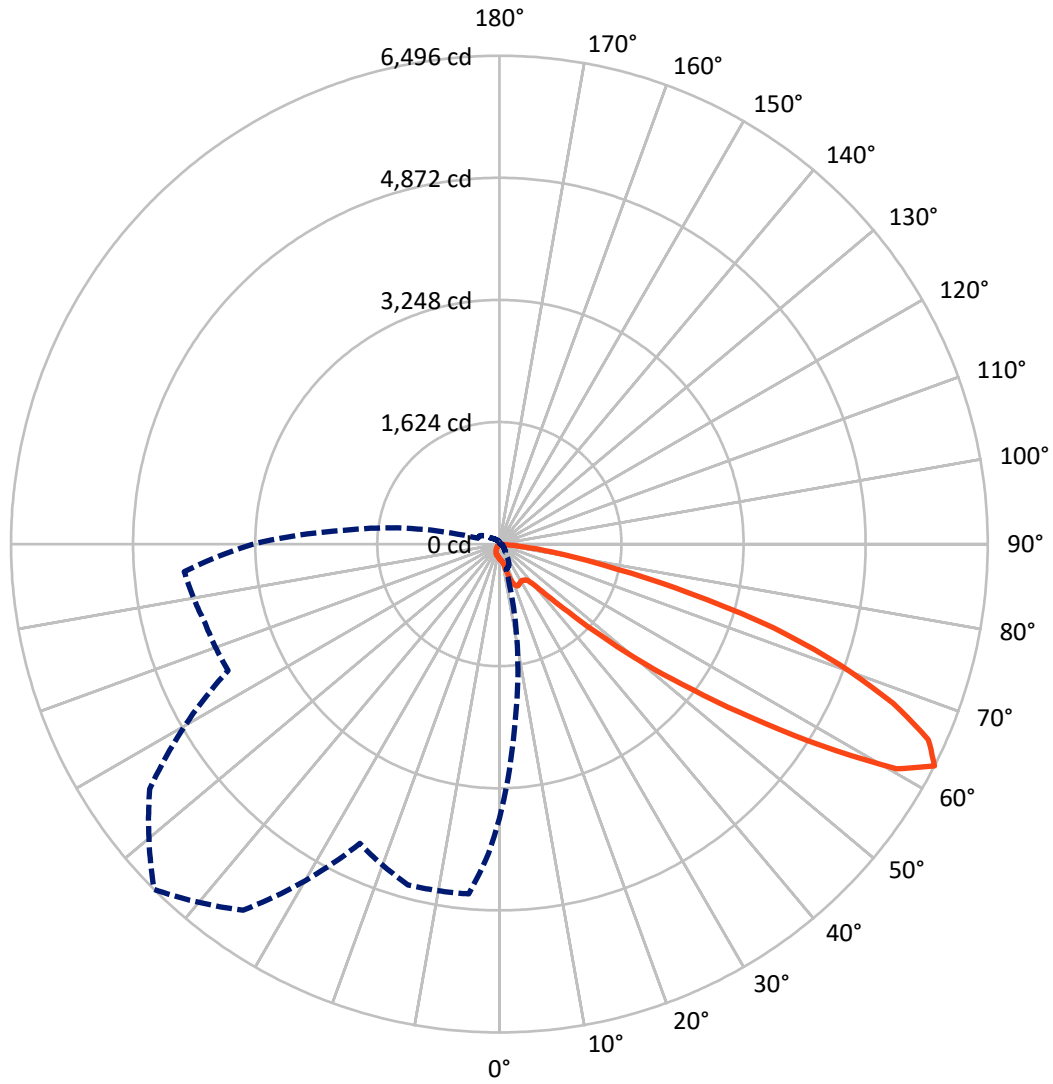
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Short - N/A

REPORT NUMBER: P630396
CATALOG NUMBER: GWS-SA1D-750-U-SLL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630396
 CATALOG NUMBER: GWS-SA1D-750-U-SLL-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	436.3	0.0	436.3
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	3319.2	0.0	3319.2
	% Fixture	88.4	0.0	88.4
Total	Lumens	3755.6	0.0	3755.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.4
10°-20°	57.6	1.5
20°-30°	130.2	3.5
30°-40°	224.4	6.0
40°-50°	423.2	11.3
50°-60°	944.9	25.2
60°-70°	1263.8	33.7
70°-80°	633.8	16.9
80°-90°	60.7	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°	3755.6	100.0
0°-180°	3755.6	100.0

Coefficient of Utilization



REPORT NUMBER: P630396

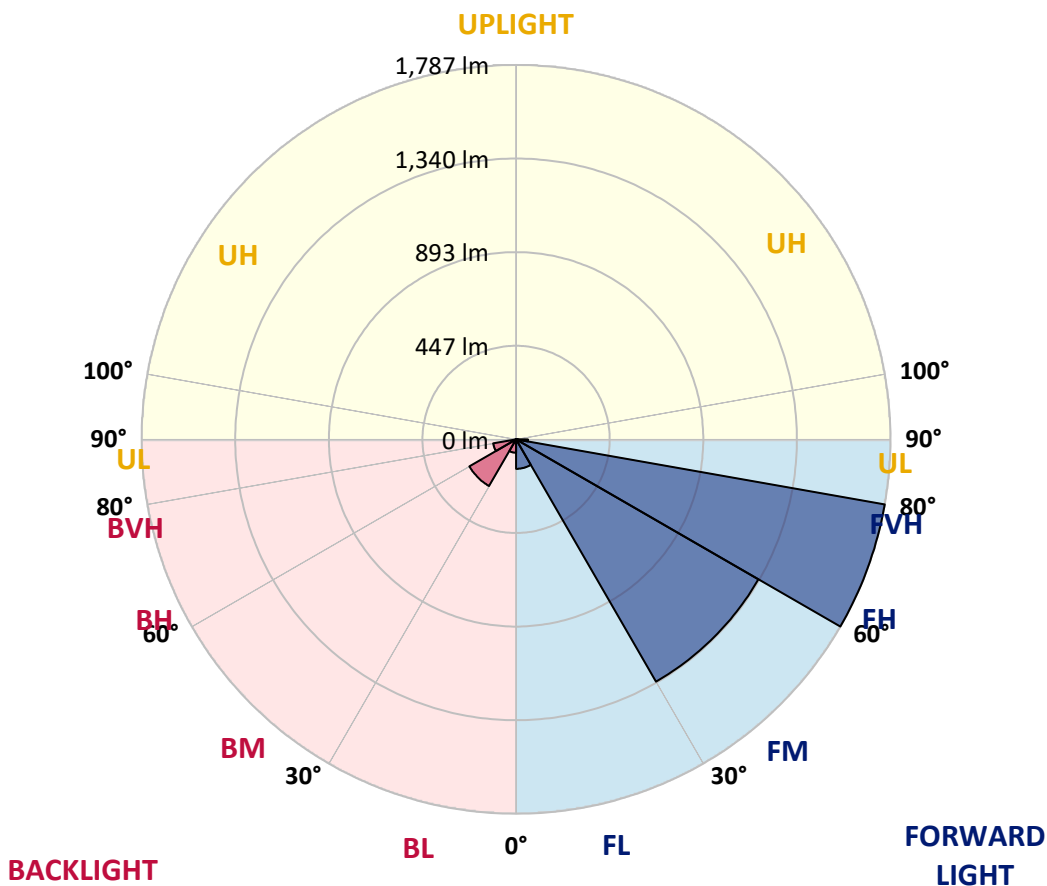
CATALOG NUMBER: GWS-SA1D-750-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.7	3.7			
FM (30°-60°)	1335.2	35.6			
FH (60°-80°)	1786.7	47.6			G1/1800
FVH (80°-90°)	56.7	1.5			G1/100
BL (0°-30°)	64.0	1.7	B0/110		
BM (30°-60°)	257.3	6.9	B1/1000		
BH (60°-80°)	111.0	3.0	B1/500		G1/500
BVH (80°-90°)	4.0	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-G1

Type III Short





REPORT NUMBER: P630396

CATALOG NUMBER: GWS-SA1D-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8
2.5°	192.5	192.1	191.2	188.5	186.3	185.0	182.3	182.3	181.9	181.0	179.2
5°	186.3	184.5	182.8	177.9	172.5	169.4	165.9	165.4	165.4	164.5	164.1
7.5°	176.5	174.8	172.5	164.5	159.6	156.5	153.4	153.0	151.6	151.6	151.6
10°	171.2	168.5	165.0	156.1	151.2	148.5	146.3	145.0	144.1	142.7	142.3
12.5°	182.8	177.9	170.3	154.3	147.6	144.1	141.4	140.5	137.9	136.1	134.7
15°	218.8	206.8	191.7	158.3	146.3	141.0	137.4	135.6	133.4	130.3	128.1
17.5°	277.9	260.6	235.2	171.2	145.0	138.3	133.8	130.7	127.6	124.1	121.4
20°	359.7	334.0	303.7	194.8	145.0	135.2	129.8	125.8	121.4	117.4	114.3
22.5°	463.8	438.0	386.4	234.8	146.7	131.2	125.0	119.6	114.3	110.7	107.2
25°	580.3	543.8	495.8	283.3	151.6	125.8	119.2	113.8	108.9	104.5	100.5
27.5°	710.2	670.6	606.5	352.2	162.3	120.5	112.9	108.1	103.6	99.2	93.8
30°	829.8	806.2	740.8	434.9	179.7	117.0	108.1	103.6	99.2	93.4	88.5
32.5°	973.4	931.6	877.8	529.2	202.8	113.4	104.1	97.8	94.3	88.9	83.6
35°	1117.9	1082.4	1011.7	645.2	228.6	109.8	99.2	93.4	90.3	84.0	78.3
37.5°	1266.9	1258.9	1189.1	773.7	253.9	105.8	93.4	89.8	86.7	79.6	72.9
40°	1413.6	1399.0	1334.5	920.5	269.5	101.4	88.5	86.3	82.7	74.7	67.1
42.5°	1554.2	1543.0	1480.3	1061.0	267.3	97.4	83.6	80.9	78.3	70.3	60.9
45°	1726.7	1708.5	1629.3	1165.1	244.6	101.8	78.7	74.3	73.8	66.3	54.7
47.5°	2049.5	1989.5	1855.2	1245.1	221.9	113.4	73.4	68.0	71.1	62.3	48.5
50°	2501.8	2431.1	2236.8	1307.4	221.5	128.5	72.5	62.3	68.9	59.1	43.1
52.5°	2956.2	2831.7	2595.6	1340.7	237.9	139.6	80.5	56.5	66.3	56.0	39.1
55°	3391.6	3133.2	2745.9	1230.4	250.8	151.6	95.2	53.4	61.4	52.5	36.9
57.5°	3806.5	3375.6	2811.3	973.4	293.9	156.5	104.1	54.7	54.3	48.0	35.1
60°	3863.4	3364.0	2679.2	566.1	324.2	148.1	100.5	60.9	47.6	42.7	32.0
62.5°	3648.2	3140.3	2378.2	353.1	301.0	145.0	89.4	69.4	43.1	37.8	28.0
65°	3321.3	2789.5	1982.8	227.7	228.1	161.0	78.3	68.0	40.5	33.4	24.0
67.5°	2810.4	2334.6	1562.2	152.5	129.0	137.4	68.5	46.7	39.6	28.5	18.7
70°	2051.3	1661.8	1017.0	101.8	76.9	109.8	57.4	33.4	37.4	23.6	13.3
72.5°	1499.5	1116.6	567.9	66.7	43.6	64.0	42.2	24.0	28.9	17.3	9.3
75°	1079.2	768.4	324.2	42.7	28.9	35.1	27.6	16.5	18.7	13.8	8.4
77.5°	519.4	374.4	147.2	23.6	19.6	17.8	14.7	10.2	11.6	12.5	7.6
80°	19.6	14.7	11.1	11.6	12.5	8.0	6.7	5.3	6.7	8.4	4.0
82.5°	0.0	0.0	0.0	1.3	1.8	2.2	2.7	2.2	2.7	3.1	0.4
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: P630396

CATALOG NUMBER: GWS-SA1D-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8
2.5°	180.5	179.7	180.5	181.4	182.3	183.2	181.9	182.8	183.7	181.4	182.3
5°	166.3	165.9	168.5	169.9	171.6	172.5	171.6	171.6	171.2	168.5	168.5
7.5°	153.9	154.3	156.5	159.6	161.9	163.2	162.3	161.9	160.5	156.5	156.5
10°	144.5	144.5	148.1	150.7	153.9	155.2	154.3	153.0	151.6	147.6	147.2
12.5°	137.0	137.0	139.6	144.1	147.6	149.4	149.0	147.2	145.0	141.0	140.5
15°	129.8	129.4	133.4	137.4	142.3	144.5	143.6	142.3	138.3	134.7	133.8
17.5°	122.7	122.3	125.8	131.2	136.5	139.6	139.2	136.1	132.5	128.1	127.2
20°	115.6	114.7	119.2	124.5	129.8	133.0	132.1	129.4	125.0	120.5	119.6
22.5°	108.5	108.1	111.2	115.6	120.5	123.2	122.7	120.5	116.1	112.1	112.1
25°	100.5	100.5	102.7	105.8	109.4	110.7	111.2	110.3	107.6	105.4	105.4
27.5°	93.8	92.5	93.4	94.3	96.1	98.3	98.3	99.2	99.6	98.7	99.2
30°	88.5	86.3	84.9	83.2	82.3	83.2	84.0	87.2	90.3	92.0	92.9
32.5°	82.3	79.6	76.0	71.1	68.0	67.1	69.8	75.6	81.4	85.4	87.6
35°	76.0	72.5	65.8	58.7	54.7	53.4	56.5	63.1	71.6	78.7	81.8
37.5°	69.8	64.9	55.6	47.1	42.7	41.8	44.9	52.0	61.8	71.6	75.6
40°	62.7	56.9	45.8	36.9	33.4	32.5	35.1	42.2	52.5	63.6	69.8
42.5°	55.6	48.5	36.9	29.3	25.8	25.8	29.3	34.7	44.0	56.0	63.6
45°	48.5	40.9	30.2	23.6	21.3	21.8	24.0	29.3	36.9	49.4	56.5
47.5°	41.8	35.1	24.9	19.6	17.8	18.2	20.9	25.3	31.6	42.7	50.2
50°	36.0	29.8	21.8	16.5	15.1	16.0	18.7	22.7	28.0	37.8	44.0
52.5°	32.5	26.7	20.0	14.2	13.3	14.2	16.9	20.5	25.3	33.4	39.6
55°	30.7	26.2	20.0	12.9	11.6	12.5	15.1	18.7	22.7	30.2	35.6
57.5°	30.2	27.1	21.3	11.6	9.8	10.7	13.3	16.9	20.9	27.6	32.0
60°	28.5	25.8	20.9	9.3	7.6	8.9	11.1	14.7	19.1	25.8	29.8
62.5°	24.9	22.7	18.2	7.6	5.8	6.7	9.3	12.9	17.3	23.6	28.0
65°	20.5	18.2	14.2	4.9	3.6	4.4	7.1	11.1	15.1	21.3	25.3
67.5°	15.1	12.9	9.8	3.1	1.8	3.1	5.8	9.3	13.8	19.1	23.1
70°	9.3	7.6	5.3	1.8	1.3	2.7	5.3	8.9	12.5	17.8	21.8
72.5°	5.3	3.6	2.2	0.9	1.3	2.7	5.3	8.9	12.0	16.9	20.5
75°	4.0	2.2	0.9	0.4	0.9	2.2	4.9	8.0	11.6	16.0	19.6
77.5°	2.7	1.3	0.4	0.0	0.4	1.8	4.4	7.6	10.7	15.1	18.7
80°	0.4	0.0	0.0	0.0	0.0	1.3	4.0	6.7	9.8	13.3	16.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	3.1	5.8	8.4	11.1	13.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.4	6.7	8.4	9.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.4	5.3	6.2
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: P630396

CATALOG NUMBER: GWS-SA1D-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8
2.5°	181.9	184.5	184.5	186.3	188.5	192.5	194.8	197.9	200.1	202.3	203.2
5°	168.1	168.5	169.0	169.9	172.5	177.0	181.0	185.9	191.7	196.1	198.8
7.5°	156.5	156.5	156.5	157.9	160.5	163.6	167.6	174.3	181.0	186.3	190.8
10°	146.7	148.1	148.5	150.7	153.9	157.9	162.3	168.1	175.6	182.8	190.8
12.5°	140.5	141.9	144.1	146.3	149.4	153.9	158.8	166.3	181.9	196.5	213.4
15°	134.7	136.5	139.2	142.3	145.9	150.7	156.1	171.6	208.1	235.7	262.4
17.5°	128.5	131.2	134.7	137.9	142.3	147.6	154.3	184.5	256.1	301.9	347.3
20°	120.5	124.1	128.1	133.0	138.3	144.5	154.3	211.2	325.5	391.3	451.4
22.5°	112.9	116.5	121.4	127.6	133.8	140.1	156.5	251.7	414.9	498.0	574.1
25°	106.7	111.2	116.1	121.4	128.5	135.6	161.9	308.6	522.5	629.7	683.5
27.5°	100.9	106.3	111.2	115.6	121.8	129.8	173.9	384.7	649.7	758.6	800.9
30°	95.2	101.4	106.3	110.7	117.0	125.4	192.1	481.6	791.1	896.9	901.4
32.5°	90.3	96.1	101.8	106.3	112.1	121.8	217.4	595.0	936.1	1038.3	996.5
35°	84.9	91.6	96.9	101.8	108.1	118.7	246.8	717.3	1082.4	1168.2	1091.3
37.5°	79.6	87.2	93.8	97.4	103.6	115.6	268.1	844.9	1231.8	1294.9	1174.4
40°	74.7	83.2	90.7	94.3	97.4	111.6	271.3	975.6	1383.4	1419.9	1252.7
42.5°	69.4	78.7	85.4	90.3	92.9	108.9	252.6	1085.9	1510.6	1544.4	1354.9
45°	63.6	74.7	80.0	83.6	88.9	110.7	228.6	1171.3	1656.0	1714.2	1523.5
47.5°	57.8	70.3	74.7	77.4	84.5	121.4	219.7	1228.2	1895.7	2016.6	1807.6
50°	52.5	66.3	71.1	70.7	83.6	135.2	229.5	1271.3	2255.9	2398.2	2197.2
52.5°	46.7	61.8	67.6	65.8	90.3	145.9	249.0	1305.6	2532.9	2845.5	2720.6
55°	41.8	56.9	62.3	61.8	102.7	153.9	264.1	1125.0	2647.6	3261.3	3310.2
57.5°	38.2	51.6	56.0	63.6	110.7	153.9	305.5	798.6	2649.9	3567.2	4092.9
60°	35.1	46.7	49.8	69.8	107.6	145.9	302.4	489.2	2442.2	3546.3	4509.1
62.5°	32.5	42.2	46.2	71.6	95.2	144.5	273.0	303.3	2082.9	3276.4	4207.1
65°	30.2	38.7	44.5	65.8	86.3	154.7	184.1	217.9	1689.3	2968.7	3860.7
67.5°	28.0	35.6	47.1	53.8	78.3	138.3	133.0	154.7	1326.0	2631.2	3542.8
70°	26.2	33.8	49.8	44.0	68.5	108.1	94.3	117.4	1015.2	2195.4	3095.0
72.5°	24.9	31.6	41.8	34.7	55.6	83.6	65.8	85.4	663.5	1713.8	2523.1
75°	23.6	28.9	30.7	28.0	41.4	54.7	49.8	57.4	395.3	1252.7	1914.4
77.5°	23.1	27.1	24.9	22.7	28.0	32.5	37.8	38.7	193.0	626.6	1003.2
80°	20.5	24.5	21.3	18.7	19.1	21.3	28.0	25.8	44.0	159.2	267.7
82.5°	16.0	19.1	17.8	15.6	15.6	15.6	18.7	17.3	14.2	71.6	121.0
85°	11.1	13.3	13.3	12.5	12.0	12.0	11.6	11.1	4.0	4.4	6.7
87.5°	7.6	9.3	9.8	9.3	8.0	7.1	6.2	5.3	1.8	0.0	0.9
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: P630396

CATALOG NUMBER: GWS-SA1D-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8	194.8
2.5°	206.3	207.7	207.7	205.9	204.6	201.0	197.4	193.9	193.0	192.5
5°	206.3	211.7	214.3	213.9	210.8	205.0	197.4	189.4	187.2	186.3
7.5°	203.2	213.4	221.5	222.8	217.0	206.8	193.0	181.0	177.9	176.5
10°	210.3	230.3	246.4	248.6	241.9	221.9	199.7	179.2	174.3	171.2
12.5°	248.6	281.5	301.0	310.4	297.5	272.1	235.2	198.8	187.7	182.8
15°	326.0	372.6	410.0	410.0	398.0	353.1	306.4	247.2	232.1	218.8
17.5°	425.1	483.8	516.7	513.2	494.9	463.4	407.3	322.4	291.7	277.9
20°	538.1	573.2	580.8	578.5	570.5	552.3	513.6	422.4	381.1	359.7
22.5°	635.9	626.6	615.4	606.5	604.3	609.7	604.3	534.1	501.6	463.8
25°	702.2	649.2	615.9	599.9	607.4	638.1	671.5	645.2	619.4	580.3
27.5°	738.2	646.6	598.5	582.1	595.0	638.6	711.0	755.5	728.8	710.2
30°	757.7	644.3	587.4	571.4	591.0	645.7	738.6	858.7	859.6	829.8
32.5°	785.8	658.6	589.6	575.0	601.2	667.0	773.3	963.6	989.4	973.4
35°	817.3	680.4	599.9	586.5	619.0	695.5	812.0	1069.5	1123.3	1117.9
37.5°	847.1	704.8	623.9	611.0	646.1	719.9	849.3	1173.5	1248.2	1266.9
40°	878.2	739.1	697.7	710.2	729.7	758.6	882.7	1263.8	1385.6	1413.6
42.5°	951.6	857.8	920.9	944.5	947.2	887.6	955.6	1379.4	1520.8	1554.2
45°	1115.3	1069.0	1250.0	1283.4	1266.0	1085.5	1131.3	1546.2	1709.8	1726.7
47.5°	1322.0	1343.4	1700.5	1815.6	1711.6	1318.9	1344.3	1897.0	2055.8	2049.5
50°	1563.1	1664.0	2211.8	2483.6	2234.5	1622.2	1589.7	2328.4	2520.9	2501.8
52.5°	1848.1	2036.6	2826.4	3212.4	2976.7	1963.3	1949.9	2899.8	3017.2	2956.2
55°	2207.0	2396.4	3533.4	4072.8	3737.6	2379.5	2425.3	3562.3	3585.0	3391.6
57.5°	2742.4	2865.5	4366.8	5059.6	4531.8	2945.1	3277.3	4444.2	4172.9	3806.5
60°	3714.4	3469.0	5172.1	6069.0	5376.7	3740.7	4401.0	4966.7	4368.6	3863.4
62.5°	4052.8	3981.2	5676.4	6495.9	5945.0	4393.9	4693.2	4670.5	4115.1	3648.2
65°	3540.1	3853.6	5586.1	6270.5	5872.0	4286.3	4211.6	4343.7	3829.6	3321.3
67.5°	3270.2	3553.9	5244.1	5648.4	5467.8	3921.2	3754.0	3718.0	3215.1	2810.4
70°	2998.0	3279.1	4748.3	4798.6	4714.5	3326.2	3106.5	2865.1	2403.1	2051.3
72.5°	2670.8	2825.5	4060.4	3822.0	3726.9	2612.5	2566.3	2157.6	1801.4	1499.5
75°	2329.2	2284.3	3165.7	2623.2	2694.3	2032.6	2167.4	1584.4	1319.8	1079.2
77.5°	1694.2	1660.9	2120.2	1593.3	1764.5	1331.4	1196.2	632.3	602.1	519.4
80°	945.4	1139.7	1145.1	892.9	1113.9	868.0	299.3	20.9	13.3	19.6
82.5°	439.3	490.0	620.8	414.0	635.5	430.0	61.8	0.0	0.0	0.0
85°	142.3	208.1	174.3	60.9	153.9	145.4	10.2	0.0	0.0	0.0
87.5°	8.4	17.3	4.4	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)