

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: P629133

Luminaire Tested: GWS-SA1B-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629133
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-SA1B-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1598.4 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

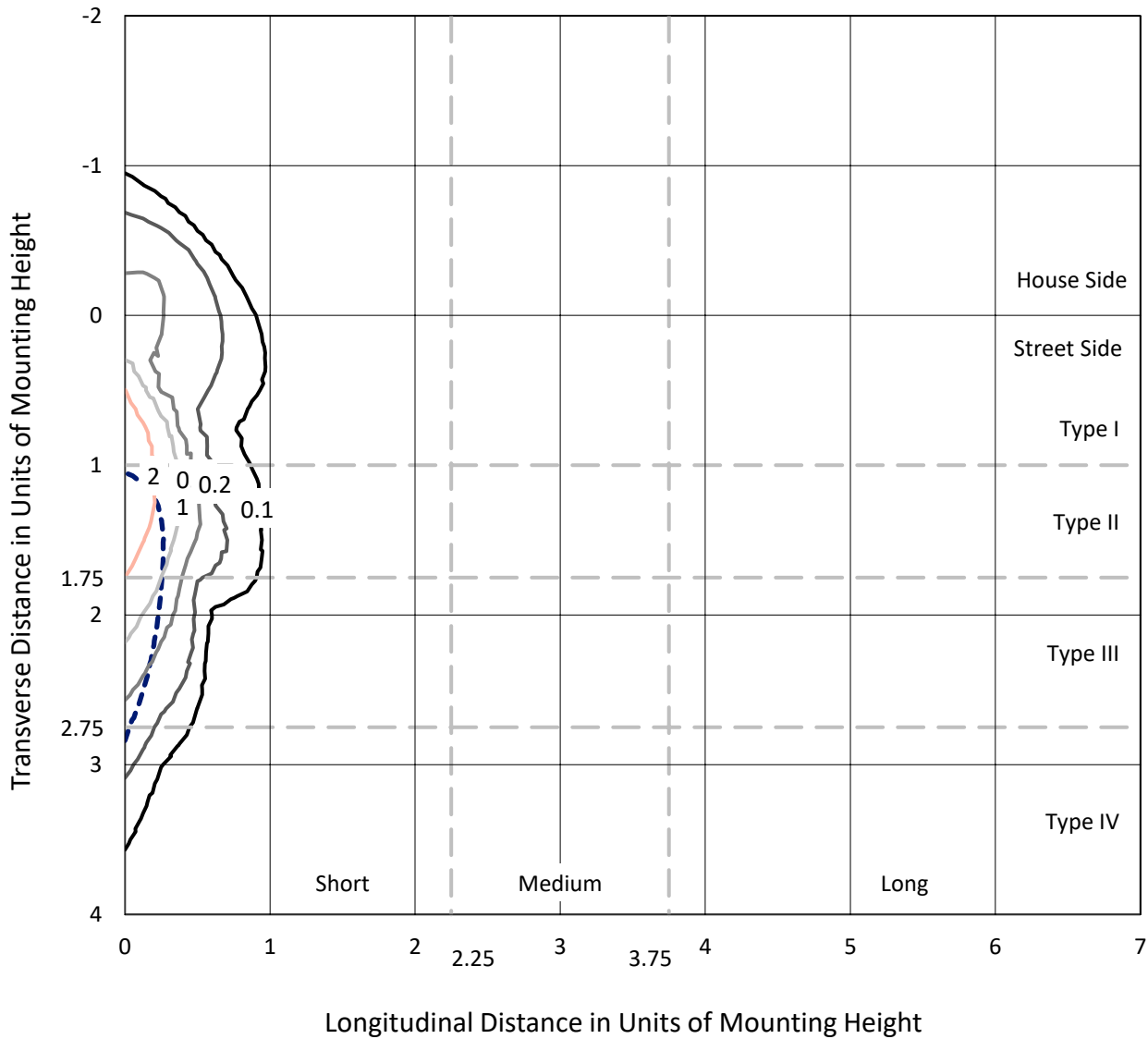
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629133
 CATALOG NUMBER: GWS-SA1B-722-U-SLL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

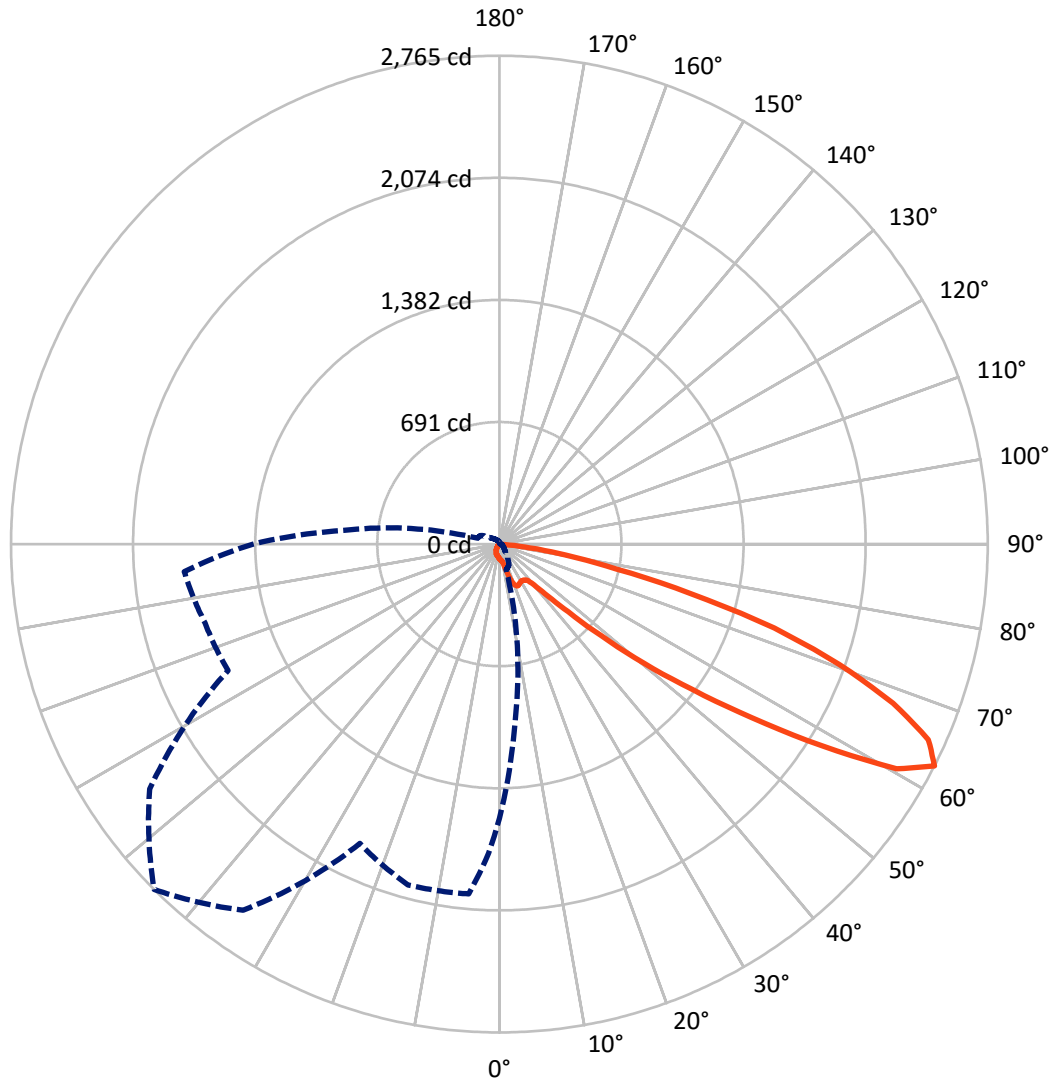
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

REPORT NUMBER: P629133
CATALOG NUMBER: GWS-SA1B-722-U-SLL-W-HSS

Luminous Intensity Polar Plot



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



REPORT NUMBER: P629133
 CATALOG NUMBER: GWS-SA1B-722-U-SLL-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	185.7	0.0	185.7
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	1412.7	0.0	1412.7
	% Fixture	88.4	0.0	88.4
Total	Lumens	1598.4	0.0	1598.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.4
10°-20°	24.5	1.5
20°-30°	55.4	3.5
30°-40°	95.5	6.0
40°-50°	180.1	11.3
50°-60°	402.2	25.2
60°-70°	537.9	33.7
70°-80°	269.7	16.9
80°-90°	25.9	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°	1598.4	100.0
0°-180°	1598.4	100.0

Coefficient of Utilization



REPORT NUMBER: P629133

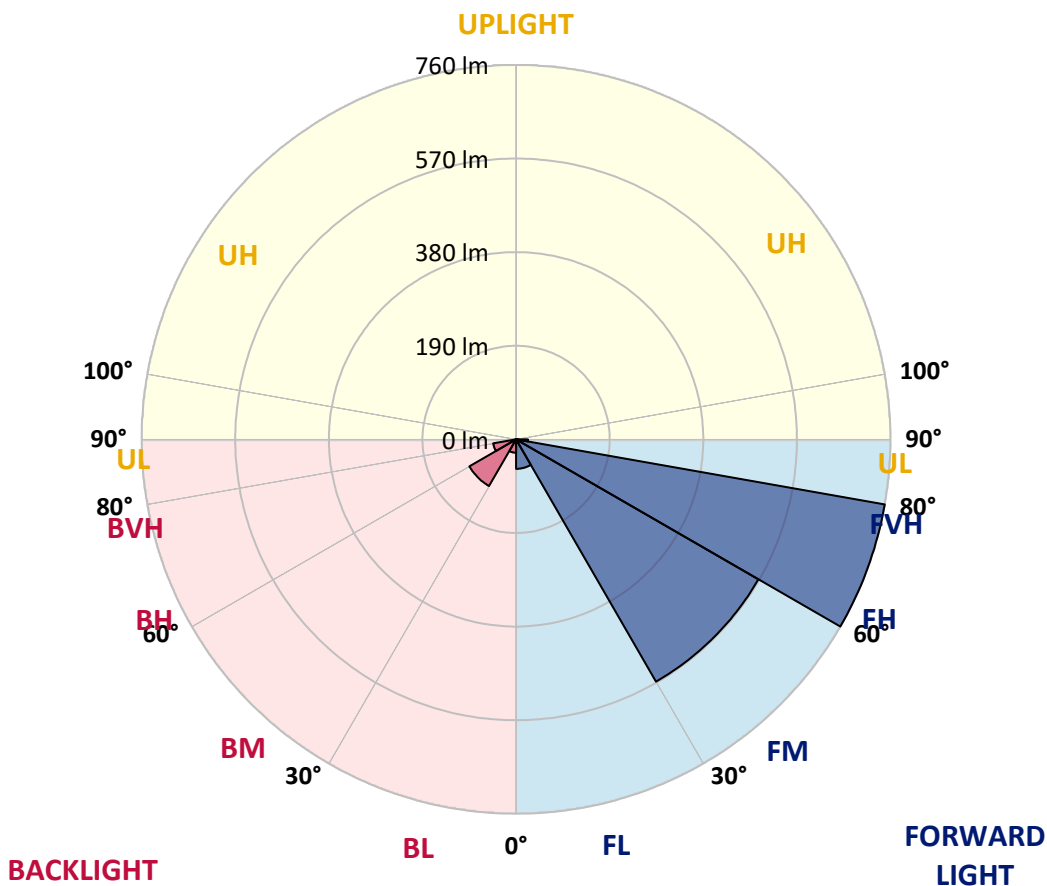
CATALOG NUMBER: GWS-SA1B-722-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	59.9	3.7			
FM (30°-60°)	568.3	35.6			
FH (60°-80°)	760.4	47.6			G1/1800
FVH (80°-90°)	24.1	1.5			G1/100
BL (0°-30°)	27.3	1.7	B0/110		
BM (30°-60°)	109.5	6.9	B0/220		
BH (60°-80°)	47.2	3.0	B0/110		G0/110
BVH (80°-90°)	1.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





REPORT NUMBER: P629133
 CATALOG NUMBER: GWS-SA1B-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
2.5°	81.9	81.8	81.4	80.2	79.3	78.7	77.6	77.6	77.4	77.0	76.3
5°	79.3	78.5	77.8	75.7	73.4	72.1	70.6	70.4	70.4	70.0	69.8
7.5°	75.1	74.4	73.4	70.0	67.9	66.6	65.3	65.1	64.5	64.5	64.5
10°	72.9	71.7	70.2	66.4	64.3	63.2	62.3	61.7	61.3	60.8	60.6
12.5°	77.8	75.7	72.5	65.7	62.8	61.3	60.2	59.8	58.7	57.9	57.3
15°	93.1	88.0	81.6	67.4	62.3	60.0	58.5	57.7	56.8	55.5	54.5
17.5°	118.3	110.9	100.1	72.9	61.7	58.9	57.0	55.6	54.3	52.8	51.7
20°	153.1	142.1	129.3	82.9	61.7	57.5	55.3	53.6	51.7	50.0	48.6
22.5°	197.4	186.4	164.5	99.9	62.5	55.8	53.2	50.9	48.6	47.1	45.6
25°	247.0	231.5	211.0	120.6	64.5	53.6	50.7	48.5	46.4	44.5	42.8
27.5°	302.2	285.4	258.1	149.9	69.1	51.3	48.1	46.0	44.1	42.2	39.9
30°	353.2	343.1	315.3	185.1	76.5	49.8	46.0	44.1	42.2	39.7	37.7
32.5°	414.3	396.5	373.6	225.2	86.3	48.3	44.3	41.6	40.1	37.9	35.6
35°	475.8	460.7	430.6	274.6	97.3	46.7	42.2	39.7	38.4	35.8	33.3
37.5°	539.2	535.8	506.1	329.3	108.1	45.0	39.7	38.2	36.9	33.9	31.0
40°	601.7	595.4	568.0	391.8	114.7	43.2	37.7	36.7	35.2	31.8	28.6
42.5°	661.5	656.7	630.0	451.6	113.7	41.4	35.6	34.4	33.3	29.9	25.9
45°	734.9	727.1	693.4	495.9	104.1	43.3	33.5	31.6	31.4	28.2	23.3
47.5°	872.3	846.7	789.6	529.9	94.4	48.3	31.2	29.0	30.3	26.5	20.6
50°	1064.8	1034.7	952.0	556.4	94.3	54.7	30.8	26.5	29.3	25.2	18.4
52.5°	1258.2	1205.2	1104.7	570.6	101.3	59.4	34.3	24.0	28.2	23.8	16.7
55°	1443.5	1333.5	1168.7	523.7	106.7	64.5	40.5	22.7	26.1	22.3	15.7
57.5°	1620.1	1436.7	1196.5	414.3	125.1	66.6	44.3	23.3	23.1	20.4	15.0
60°	1644.3	1431.7	1140.3	240.9	138.0	63.0	42.8	25.9	20.3	18.2	13.6
62.5°	1552.7	1336.5	1012.2	150.3	128.1	61.7	38.0	29.5	18.4	16.1	11.9
65°	1413.6	1187.2	843.9	96.9	97.1	68.5	33.3	29.0	17.2	14.2	10.2
67.5°	1196.1	993.6	664.9	64.9	54.9	58.5	29.1	19.9	16.8	12.1	7.9
70°	873.1	707.3	432.8	43.3	32.7	46.7	24.4	14.2	15.9	10.0	5.7
72.5°	638.2	475.2	241.7	28.4	18.5	27.3	18.0	10.2	12.3	7.4	4.0
75°	459.3	327.0	138.0	18.2	12.3	15.0	11.7	7.0	7.9	5.9	3.6
77.5°	221.1	159.4	62.6	10.0	8.3	7.6	6.2	4.4	4.9	5.3	3.2
80°	8.3	6.2	4.7	4.9	5.3	3.4	2.8	2.3	2.8	3.6	1.7
82.5°	0.0	0.0	0.0	0.6	0.8	0.9	1.1	0.9	1.1	1.3	0.2
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: P629133
 CATALOG NUMBER: GWS-SA1B-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
2.5°	76.8	76.5	76.8	77.2	77.6	78.0	77.4	77.8	78.2	77.2	77.6
5°	70.8	70.6	71.7	72.3	73.1	73.4	73.1	73.1	72.9	71.7	71.7
7.5°	65.5	65.7	66.6	67.9	68.9	69.5	69.1	68.9	68.3	66.6	66.6
10°	61.5	61.5	63.0	64.2	65.5	66.1	65.7	65.1	64.5	62.8	62.6
12.5°	58.3	58.3	59.4	61.3	62.8	63.6	63.4	62.6	61.7	60.0	59.8
15°	55.3	55.1	56.8	58.5	60.6	61.5	61.1	60.6	58.9	57.3	57.0
17.5°	52.2	52.0	53.6	55.8	58.1	59.4	59.2	57.9	56.4	54.5	54.1
20°	49.2	48.8	50.7	53.0	55.3	56.6	56.2	55.1	53.2	51.3	50.9
22.5°	46.2	46.0	47.3	49.2	51.3	52.4	52.2	51.3	49.4	47.7	47.7
25°	42.8	42.8	43.7	45.0	46.6	47.1	47.3	46.9	45.8	44.9	44.9
27.5°	39.9	39.4	39.7	40.1	40.9	41.8	41.8	42.2	42.4	42.0	42.2
30°	37.7	36.7	36.1	35.4	35.0	35.4	35.8	37.1	38.4	39.2	39.6
32.5°	35.0	33.9	32.4	30.3	29.0	28.6	29.7	32.2	34.6	36.3	37.3
35°	32.4	30.8	28.0	25.0	23.3	22.7	24.0	26.9	30.5	33.5	34.8
37.5°	29.7	27.6	23.7	20.1	18.2	17.8	19.1	22.1	26.3	30.5	32.2
40°	26.7	24.2	19.5	15.7	14.2	13.8	15.0	18.0	22.3	27.1	29.7
42.5°	23.7	20.6	15.7	12.5	11.0	11.0	12.5	14.8	18.7	23.8	27.1
45°	20.6	17.4	12.9	10.0	9.1	9.3	10.2	12.5	15.7	21.0	24.0
47.5°	17.8	15.0	10.6	8.3	7.6	7.8	8.9	10.8	13.4	18.2	21.4
50°	15.3	12.7	9.3	7.0	6.4	6.8	7.9	9.7	11.9	16.1	18.7
52.5°	13.8	11.4	8.5	6.1	5.7	6.1	7.2	8.7	10.8	14.2	16.8
55°	13.1	11.2	8.5	5.5	4.9	5.3	6.4	7.9	9.7	12.9	15.1
57.5°	12.9	11.5	9.1	4.9	4.2	4.5	5.7	7.2	8.9	11.7	13.6
60°	12.1	11.0	8.9	4.0	3.2	3.8	4.7	6.2	8.1	11.0	12.7
62.5°	10.6	9.7	7.8	3.2	2.5	2.8	4.0	5.5	7.4	10.0	11.9
65°	8.7	7.8	6.1	2.1	1.5	1.9	3.0	4.7	6.4	9.1	10.8
67.5°	6.4	5.5	4.2	1.3	0.8	1.3	2.5	4.0	5.9	8.1	9.8
70°	4.0	3.2	2.3	0.8	0.6	1.1	2.3	3.8	5.3	7.6	9.3
72.5°	2.3	1.5	0.9	0.4	0.6	1.1	2.3	3.8	5.1	7.2	8.7
75°	1.7	0.9	0.4	0.2	0.4	0.9	2.1	3.4	4.9	6.8	8.3
77.5°	1.1	0.6	0.2	0.0	0.2	0.8	1.9	3.2	4.5	6.4	7.9
80°	0.2	0.0	0.0	0.0	0.0	0.6	1.7	2.8	4.2	5.7	7.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	1.3	2.5	3.6	4.7	5.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.9	2.8	3.6	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.3	2.6
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: P629133
 CATALOG NUMBER: GWS-SA1B-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
2.5°	77.4	78.5	78.5	79.3	80.2	81.9	82.9	84.2	85.2	86.1	86.5
5°	71.5	71.7	71.9	72.3	73.4	75.3	77.0	79.1	81.6	83.5	84.6
7.5°	66.6	66.6	66.6	67.2	68.3	69.6	71.4	74.2	77.0	79.3	81.2
10°	62.5	63.0	63.2	64.2	65.5	67.2	69.1	71.5	74.8	77.8	81.2
12.5°	59.8	60.4	61.3	62.3	63.6	65.5	67.6	70.8	77.4	83.7	90.8
15°	57.3	58.1	59.2	60.6	62.1	64.2	66.4	73.1	88.6	100.3	111.7
17.5°	54.7	55.8	57.3	58.7	60.6	62.8	65.7	78.5	109.0	128.5	147.8
20°	51.3	52.8	54.5	56.6	58.9	61.5	65.7	89.9	138.5	166.5	192.1
22.5°	48.1	49.6	51.7	54.3	57.0	59.6	66.6	107.1	176.6	212.0	244.3
25°	45.4	47.3	49.4	51.7	54.7	57.7	68.9	131.3	222.4	268.0	290.9
27.5°	43.0	45.2	47.3	49.2	51.9	55.3	74.0	163.7	276.5	322.9	340.9
30°	40.5	43.2	45.2	47.1	49.8	53.4	81.8	205.0	336.7	381.7	383.6
32.5°	38.4	40.9	43.3	45.2	47.7	51.9	92.5	253.2	398.4	441.9	424.1
35°	36.1	39.0	41.3	43.3	46.0	50.5	105.0	305.3	460.7	497.2	464.4
37.5°	33.9	37.1	39.9	41.4	44.1	49.2	114.1	359.6	524.2	551.1	499.8
40°	31.8	35.4	38.6	40.1	41.4	47.5	115.4	415.2	588.8	604.3	533.1
42.5°	29.5	33.5	36.3	38.4	39.6	46.4	107.5	462.2	642.9	657.3	576.7
45°	27.1	31.8	34.1	35.6	37.9	47.1	97.3	498.5	704.8	729.6	648.4
47.5°	24.6	29.9	31.8	32.9	36.0	51.7	93.5	522.7	806.8	858.3	769.3
50°	22.3	28.2	30.3	30.1	35.6	57.5	97.7	541.1	960.1	1020.7	935.1
52.5°	19.9	26.3	28.8	28.0	38.4	62.1	106.0	555.7	1078.0	1211.1	1157.9
55°	17.8	24.2	26.5	26.3	43.7	65.5	112.4	478.8	1126.8	1388.0	1408.8
57.5°	16.3	22.0	23.8	27.1	47.1	65.5	130.0	339.9	1127.8	1518.2	1741.9
60°	15.0	19.9	21.2	29.7	45.8	62.1	128.7	208.2	1039.4	1509.3	1919.1
62.5°	13.8	18.0	19.7	30.5	40.5	61.5	116.2	129.1	886.5	1394.5	1790.6
65°	12.9	16.5	18.9	28.0	36.7	65.9	78.4	92.7	719.0	1263.5	1643.1
67.5°	11.9	15.1	20.1	22.9	33.3	58.9	56.6	65.9	564.4	1119.8	1507.8
70°	11.2	14.4	21.2	18.7	29.1	46.0	40.1	50.0	432.1	934.4	1317.2
72.5°	10.6	13.4	17.8	14.8	23.7	35.6	28.0	36.3	282.4	729.4	1073.9
75°	10.0	12.3	13.1	11.9	17.6	23.3	21.2	24.4	168.3	533.1	814.8
77.5°	9.8	11.5	10.6	9.7	11.9	13.8	16.1	16.5	82.1	266.7	427.0
80°	8.7	10.4	9.1	7.9	8.1	9.1	11.9	11.0	18.7	67.8	113.9
82.5°	6.8	8.1	7.6	6.6	6.6	6.6	7.9	7.4	6.1	30.5	51.5
85°	4.7	5.7	5.7	5.3	5.1	5.1	4.9	4.7	1.7	1.9	2.8
87.5°	3.2	4.0	4.2	4.0	3.4	3.0	2.6	2.3	0.8	0.0	0.4
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: P629133
 CATALOG NUMBER: GWS-SA1B-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
2.5°	87.8	88.4	88.4	87.6	87.1	85.5	84.0	82.5	82.1	81.9
5°	87.8	90.1	91.2	91.0	89.7	87.2	84.0	80.6	79.7	79.3
7.5°	86.5	90.8	94.3	94.8	92.4	88.0	82.1	77.0	75.7	75.1
10°	89.5	98.0	104.8	105.8	103.0	94.4	85.0	76.3	74.2	72.9
12.5°	105.8	119.8	128.1	132.1	126.6	115.8	100.1	84.6	79.9	77.8
15°	138.7	158.6	174.5	174.5	169.4	150.3	130.4	105.2	98.8	93.1
17.5°	180.9	205.9	219.9	218.4	210.6	197.2	173.4	137.2	124.2	118.3
20°	229.0	244.0	247.2	246.2	242.8	235.1	218.6	179.8	162.2	153.1
22.5°	270.6	266.7	261.9	258.1	257.2	259.5	257.2	227.3	213.5	197.4
25°	298.8	276.3	262.1	255.3	258.5	271.6	285.8	274.6	263.6	247.0
27.5°	314.2	275.2	254.7	247.7	253.2	271.8	302.6	321.6	310.2	302.2
30°	322.5	274.2	250.0	243.2	251.5	274.8	314.4	365.5	365.8	353.2
32.5°	334.4	280.3	251.0	244.7	255.9	283.9	329.1	410.1	421.1	414.3
35°	347.9	289.6	255.3	249.6	263.4	296.0	345.6	455.2	478.1	475.8
37.5°	360.5	300.0	265.5	260.0	275.0	306.4	361.5	499.5	531.2	539.2
40°	373.8	314.5	296.9	302.2	310.6	322.9	375.7	537.9	589.7	601.7
42.5°	405.0	365.1	392.0	402.0	403.1	377.8	406.7	587.1	647.3	661.5
45°	474.7	455.0	532.0	546.2	538.8	462.0	481.5	658.1	727.7	734.9
47.5°	562.7	571.8	723.7	772.7	728.5	561.3	572.1	807.4	874.9	872.3
50°	665.2	708.2	941.4	1057.0	951.0	690.4	676.6	991.0	1072.9	1064.8
52.5°	786.6	866.8	1202.9	1367.2	1266.9	835.6	829.9	1234.2	1284.1	1258.2
55°	939.3	1019.9	1503.8	1733.4	1590.7	1012.7	1032.2	1516.2	1525.8	1443.5
57.5°	1167.2	1219.6	1858.5	2153.4	1928.7	1253.5	1394.8	1891.5	1776.0	1620.1
60°	1580.9	1476.4	2201.3	2583.0	2288.3	1592.0	1873.1	2113.8	1859.3	1644.3
62.5°	1724.9	1694.4	2415.9	2764.7	2530.2	1870.1	1997.4	1987.8	1751.4	1552.7
65°	1506.7	1640.1	2377.5	2668.7	2499.2	1824.3	1792.5	1848.7	1629.9	1413.6
67.5°	1391.8	1512.6	2231.9	2404.0	2327.1	1668.9	1597.7	1582.4	1368.3	1196.1
70°	1276.0	1395.6	2020.9	2042.3	2006.5	1415.7	1322.2	1219.4	1022.8	873.1
72.5°	1136.7	1202.5	1728.1	1626.7	1586.2	1111.9	1092.2	918.3	766.7	638.2
75°	991.3	972.2	1347.3	1116.4	1146.7	865.1	922.4	674.3	561.7	459.3
77.5°	721.1	706.9	902.4	678.1	751.0	566.6	509.1	269.1	256.3	221.1
80°	402.4	485.1	487.3	380.0	474.1	369.4	127.4	8.9	5.7	8.3
82.5°	187.0	208.6	264.2	176.2	270.5	183.0	26.3	0.0	0.0	0.0
85°	60.6	88.6	74.2	25.9	65.5	61.9	4.4	0.0	0.0	0.0
87.5°	3.6	7.4	1.9	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)