

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: P635071

Luminaire Tested: GWS-SA3D-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635071
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-SA3D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7848.5 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

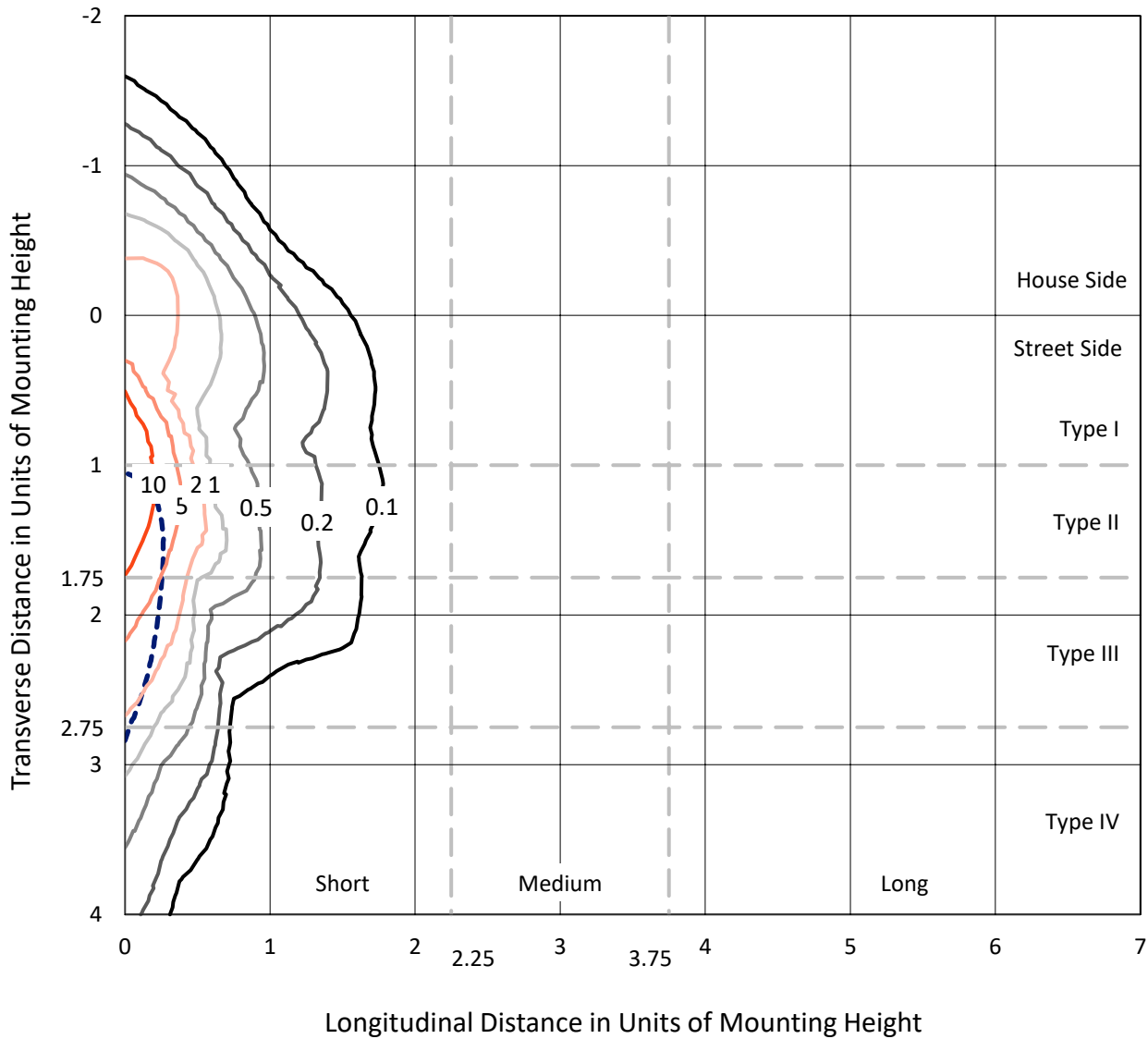
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635071
 CATALOG NUMBER: GWS-SA3D-722-U-SLL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

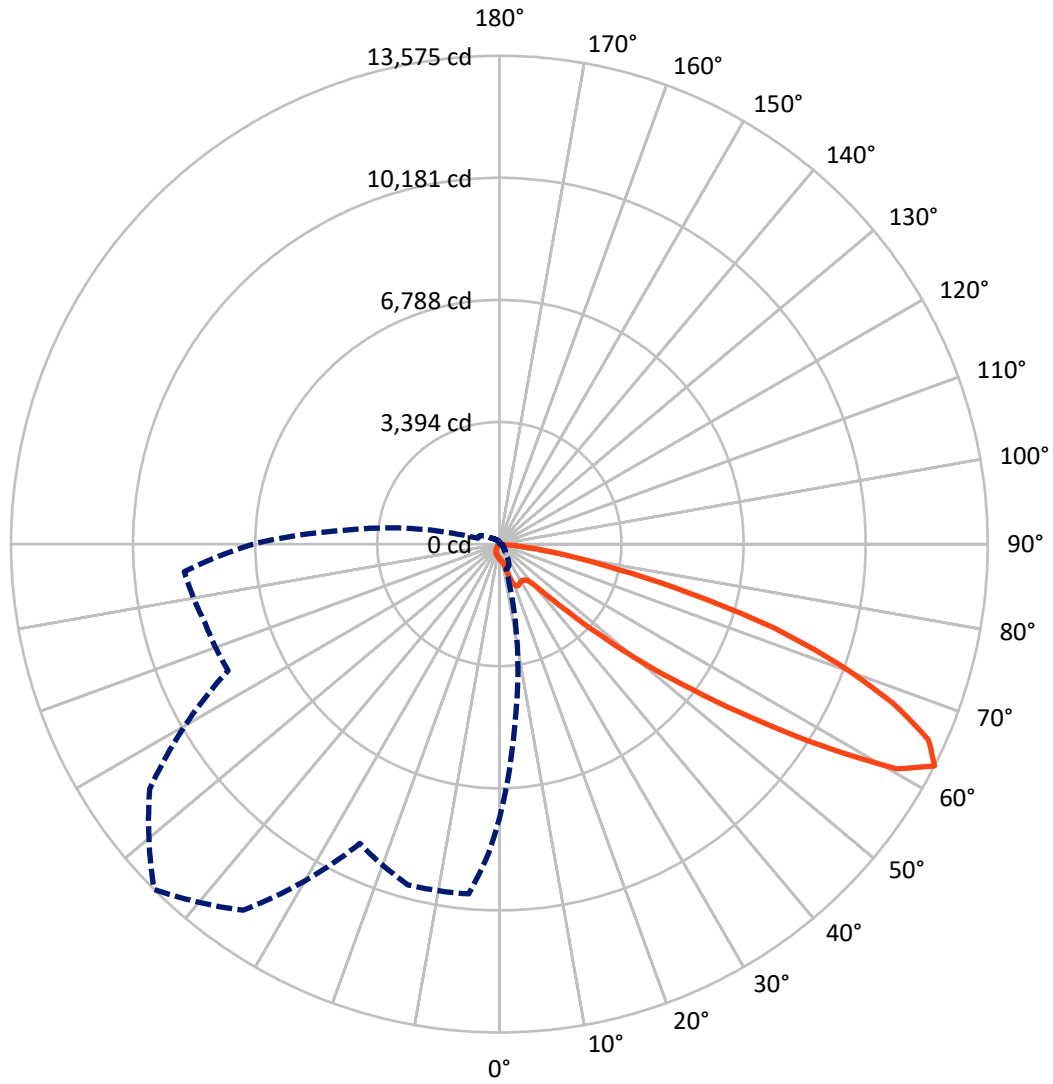
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type III - Short - N/A

REPORT NUMBER: P635071
CATALOG NUMBER: GWS-SA3D-722-U-SLL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635071

CATALOG NUMBER: GWS-SA3D-722-U-SLL-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	911.9	0.0	911.9
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	6936.6	0.0	6936.6
	% Fixture	88.4	0.0	88.4
Total	Lumens	7848.5	0.0	7848.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	0.4
10°-20°	120.5	1.5
20°-30°	272.2	3.5
30°-40°	468.9	6.0
40°-50°	884.5	11.3
50°-60°	1974.7	25.2
60°-70°	2641.2	33.7
70°-80°	1324.5	16.9
80°-90°	126.9	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°	7848.5	100.0
0°-180°	7848.5	100.0

Coefficient of Utilization

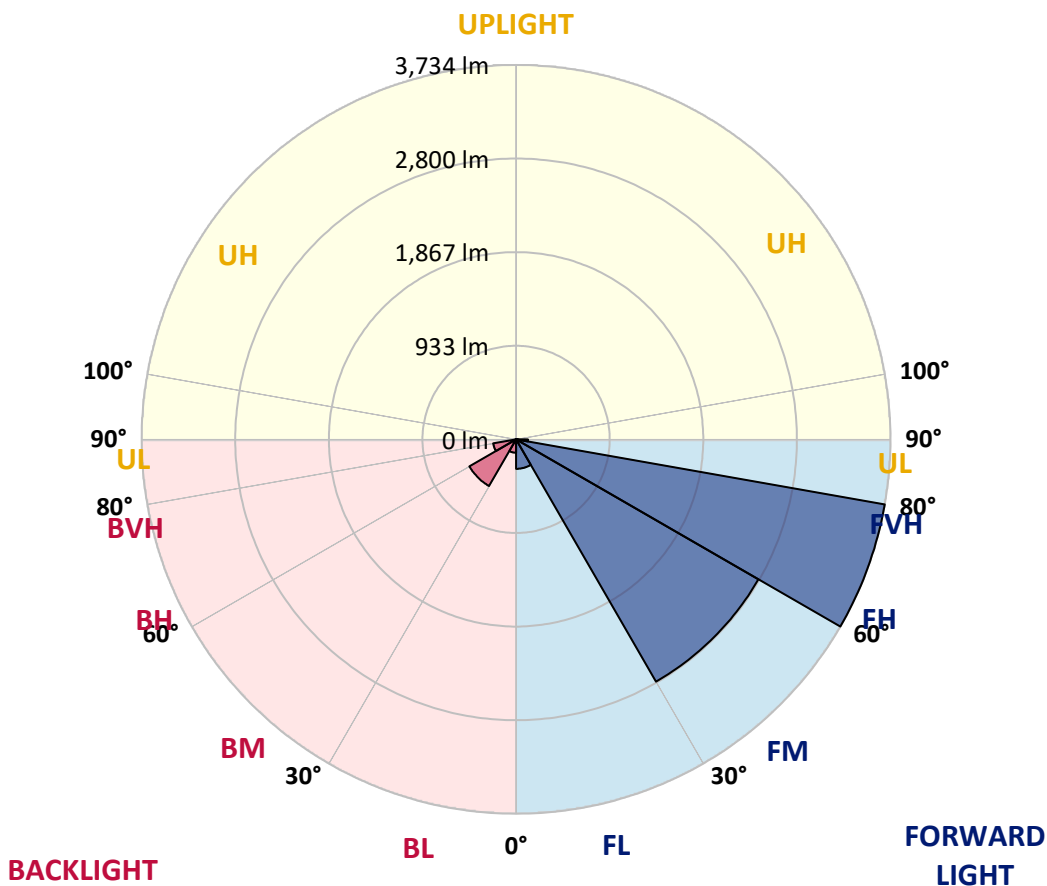


REPORT NUMBER: P635071
 CATALOG NUMBER: GWS-SA3D-722-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.9	3.7			
FM (30°-60°)	2790.4	35.6			
FH (60°-80°)	3733.8	47.6			G2/5000
FVH (80°-90°)	118.5	1.5			G2/225
BL (0°-30°)	133.8	1.7	B1/500		
BM (30°-60°)	537.7	6.9	B1/1000		
BH (60°-80°)	231.9	3.0	B1/500		G1/500
BVH (80°-90°)	8.4	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 III Short





REPORT NUMBER: P635071

CATALOG NUMBER: GWS-SA3D-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
2.5°	402.4	401.5	399.6	394.0	389.4	386.6	381.0	381.0	380.1	378.2	374.5
5°	389.4	385.7	381.9	371.7	360.6	354.1	346.6	345.7	345.7	343.8	342.9
7.5°	368.9	365.2	360.6	343.8	333.6	327.1	320.6	319.7	316.9	316.9	316.9
10°	357.8	352.2	344.8	326.2	316.0	310.4	305.7	303.0	301.1	298.3	297.4
12.5°	381.9	371.7	355.9	322.5	308.5	301.1	295.5	293.7	288.1	284.4	281.6
15°	457.2	432.1	400.5	330.8	305.7	294.6	287.2	283.4	278.8	272.3	267.6
17.5°	580.8	544.6	491.6	357.8	303.0	289.0	279.7	273.2	266.7	259.3	253.7
20°	751.8	697.9	634.7	407.0	303.0	282.5	271.4	263.0	253.7	245.3	238.8
22.5°	969.3	915.4	807.6	490.7	306.7	274.1	261.1	250.0	238.8	231.4	224.0
25°	1212.7	1136.5	1036.2	592.0	316.9	263.0	249.1	237.9	227.7	218.4	210.0
27.5°	1484.1	1401.4	1267.6	736.0	339.2	251.8	236.0	225.8	216.5	207.2	196.1
30°	1734.1	1684.8	1548.2	908.9	375.4	244.4	225.8	216.5	207.2	195.2	184.9
32.5°	2034.2	1946.9	1834.4	1105.9	423.8	237.0	217.5	204.4	197.0	185.9	174.7
35°	2336.3	2261.9	2114.2	1348.4	477.7	229.5	207.2	195.2	188.6	175.6	163.6
37.5°	2647.6	2630.9	2485.0	1617.0	530.6	221.2	195.2	187.7	181.2	166.3	152.4
40°	2954.3	2923.6	2788.8	1923.7	563.2	211.9	184.9	180.3	172.9	156.1	140.3
42.5°	3247.9	3224.7	3093.6	2217.3	558.5	203.5	174.7	169.1	163.6	146.8	127.3
45°	3608.5	3570.4	3405.0	2434.8	511.1	212.8	164.5	155.2	154.3	138.5	114.3
47.5°	4283.2	4157.7	3877.0	2602.0	463.7	237.0	153.3	142.2	148.7	130.1	101.3
50°	5228.3	5080.5	4674.4	2732.1	462.8	268.6	151.5	130.1	144.0	123.6	90.1
52.5°	6178.0	5917.8	5424.3	2801.8	497.2	291.8	168.2	118.0	138.5	117.1	81.8
55°	7087.8	6547.9	5738.4	2571.4	524.1	316.9	198.9	111.5	128.2	109.7	77.1
57.5°	7954.8	7054.3	5875.1	2034.2	614.3	327.1	217.5	114.3	113.4	100.4	73.4
60°	8073.8	7030.2	5599.0	1183.0	677.5	309.5	210.0	127.3	99.4	89.2	66.9
62.5°	7624.0	6562.7	4969.9	737.9	629.1	303.0	186.8	145.0	90.1	79.0	58.5
65°	6941.0	5829.5	4143.8	475.8	476.7	336.4	163.6	142.2	84.6	69.7	50.2
67.5°	5873.2	4878.8	3264.6	318.8	269.5	287.2	143.1	97.6	82.7	59.5	39.0
70°	4286.9	3472.8	2125.3	212.8	160.8	229.5	119.9	69.7	78.1	49.3	27.9
72.5°	3133.6	2333.5	1186.7	139.4	91.1	133.8	88.3	50.2	60.4	36.2	19.5
75°	2255.4	1605.8	677.5	89.2	60.4	73.4	57.6	34.4	39.0	28.8	17.7
77.5°	1085.4	782.5	307.6	49.3	40.9	37.2	30.7	21.4	24.2	26.0	15.8
80°	40.9	30.7	23.2	24.2	26.0	16.7	13.9	11.2	13.9	17.7	8.4
82.5°	0.0	0.0	0.0	2.8	3.7	4.6	5.6	4.6	5.6	6.5	0.9
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: P635071

CATALOG NUMBER: GWS-SA3D-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
2.5°	377.3	375.4	377.3	379.2	381.0	382.9	380.1	381.9	383.8	379.2	381.0
5°	347.6	346.6	352.2	355.0	358.7	360.6	358.7	358.7	357.8	352.2	352.2
7.5°	321.5	322.5	327.1	333.6	338.3	341.1	339.2	338.3	335.5	327.1	327.1
10°	302.0	302.0	309.5	315.0	321.5	324.3	322.5	319.7	316.9	308.5	307.6
12.5°	286.2	286.2	291.8	301.1	308.5	312.2	311.3	307.6	303.0	294.6	293.7
15°	271.4	270.4	278.8	287.2	297.4	302.0	300.2	297.4	289.0	281.6	279.7
17.5°	256.5	255.6	263.0	274.1	285.3	291.8	290.9	284.4	276.9	267.6	265.8
20°	241.6	239.8	249.1	260.2	271.4	277.9	276.0	270.4	261.1	251.8	250.0
22.5°	226.7	225.8	232.3	241.6	251.8	257.4	256.5	251.8	242.5	234.2	234.2
25°	210.0	210.0	214.7	221.2	228.6	231.4	232.3	230.5	224.9	220.2	220.2
27.5°	196.1	193.3	195.2	197.0	200.7	205.4	205.4	207.2	208.2	206.3	207.2
30°	184.9	180.3	177.5	173.8	171.9	173.8	175.6	182.1	188.6	192.4	194.2
32.5°	171.9	166.3	158.9	148.7	142.2	140.3	145.9	158.0	170.1	178.4	183.1
35°	158.9	151.5	137.5	122.7	114.3	111.5	118.0	132.0	149.6	164.5	171.0
37.5°	145.9	135.7	116.2	98.5	89.2	87.4	93.9	108.7	129.2	149.6	158.0
40°	131.0	119.0	95.7	77.1	69.7	67.8	73.4	88.3	109.7	132.9	145.9
42.5°	116.2	101.3	77.1	61.3	53.9	53.9	61.3	72.5	92.0	117.1	132.9
45°	101.3	85.5	63.2	49.3	44.6	45.5	50.2	61.3	77.1	103.2	118.0
47.5°	87.4	73.4	52.0	40.9	37.2	38.1	43.7	53.0	66.0	89.2	105.0
50°	75.3	62.3	45.5	34.4	31.6	33.5	39.0	47.4	58.5	79.0	92.0
52.5°	67.8	55.8	41.8	29.7	27.9	29.7	35.3	42.7	53.0	69.7	82.7
55°	64.1	54.8	41.8	26.9	24.2	26.0	31.6	39.0	47.4	63.2	74.3
57.5°	63.2	56.7	44.6	24.2	20.4	22.3	27.9	35.3	43.7	57.6	66.9
60°	59.5	53.9	43.7	19.5	15.8	18.6	23.2	30.7	40.0	53.9	62.3
62.5°	52.0	47.4	38.1	15.8	12.1	13.9	19.5	26.9	36.2	49.3	58.5
65°	42.7	38.1	29.7	10.2	7.4	9.3	14.9	23.2	31.6	44.6	53.0
67.5°	31.6	26.9	20.4	6.5	3.7	6.5	12.1	19.5	28.8	40.0	48.3
70°	19.5	15.8	11.2	3.7	2.8	5.6	11.2	18.6	26.0	37.2	45.5
72.5°	11.2	7.4	4.6	1.9	2.8	5.6	11.2	18.6	25.1	35.3	42.7
75°	8.4	4.6	1.9	0.9	1.9	4.6	10.2	16.7	24.2	33.5	40.9
77.5°	5.6	2.8	0.9	0.0	0.9	3.7	9.3	15.8	22.3	31.6	39.0
80°	0.9	0.0	0.0	0.0	0.0	2.8	8.4	13.9	20.4	27.9	34.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.9	6.5	12.1	17.7	23.2	27.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	9.3	13.9	17.7	19.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	9.3	11.2	13.0
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: P635071

CATALOG NUMBER: GWS-SA3D-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
2.5°	380.1	385.7	385.7	389.4	394.0	402.4	407.0	413.5	418.2	422.8	424.7
5°	351.3	352.2	353.1	355.0	360.6	369.9	378.2	388.4	400.5	409.8	415.4
7.5°	327.1	327.1	327.1	329.9	335.5	342.0	350.3	364.3	378.2	389.4	398.7
10°	306.7	309.5	310.4	315.0	321.5	329.9	339.2	351.3	367.1	381.9	398.7
12.5°	293.7	296.4	301.1	305.7	312.2	321.5	331.8	347.6	380.1	410.8	446.1
15°	281.6	285.3	290.9	297.4	304.8	315.0	326.2	358.7	434.9	492.5	548.3
17.5°	268.6	274.1	281.6	288.1	297.4	308.5	322.5	385.7	535.3	631.0	725.8
20°	251.8	259.3	267.6	277.9	289.0	302.0	322.5	441.4	680.2	817.8	943.2
22.5°	236.0	243.5	253.7	266.7	279.7	292.7	327.1	526.0	867.0	1040.8	1199.7
25°	223.0	232.3	242.5	253.7	268.6	283.4	338.3	644.9	1091.9	1315.9	1428.3
27.5°	211.0	222.1	232.3	241.6	254.6	271.4	363.4	803.8	1357.7	1585.4	1673.7
30°	198.9	211.9	222.1	231.4	244.4	262.1	401.5	1006.4	1653.2	1874.4	1883.7
32.5°	188.6	200.7	212.8	222.1	234.2	254.6	454.4	1243.4	1956.2	2169.9	2082.6
35°	177.5	191.4	202.6	212.8	225.8	248.1	515.8	1499.0	2261.9	2441.3	2280.5
37.5°	166.3	182.1	196.1	203.5	216.5	241.6	560.4	1765.7	2574.2	2706.1	2454.3
40°	156.1	173.8	189.6	197.0	203.5	233.3	566.9	2038.9	2891.1	2967.3	2617.8
42.5°	145.0	164.5	178.4	188.6	194.2	227.7	527.8	2269.4	3156.8	3227.5	2831.6
45°	132.9	156.1	167.3	174.7	185.9	231.4	477.7	2447.8	3460.7	3582.5	3183.8
47.5°	120.8	146.8	156.1	161.7	176.6	253.7	459.1	2566.7	3961.6	4214.4	3777.6
50°	109.7	138.5	148.7	147.8	174.7	282.5	479.5	2656.9	4714.4	5011.7	4591.7
52.5°	97.6	129.2	141.3	137.5	188.6	304.8	520.4	2728.4	5293.3	5946.6	5685.5
55°	87.4	119.0	130.1	129.2	214.7	321.5	552.0	2351.1	5533.1	6815.5	6917.7
57.5°	79.9	107.8	117.1	132.9	231.4	321.5	638.4	1669.0	5537.7	7454.9	8553.3
60°	73.4	97.6	104.1	145.9	224.9	304.8	631.9	1022.2	5103.7	7411.2	9423.1
62.5°	67.8	88.3	96.6	149.6	198.9	302.0	570.6	633.8	4352.9	6847.1	8792.1
65°	63.2	80.8	92.9	137.5	180.3	323.4	384.7	455.4	3530.4	6204.0	8068.2
67.5°	58.5	74.3	98.5	112.4	163.6	289.0	277.9	323.4	2771.2	5498.7	7403.8
70°	54.8	70.6	104.1	92.0	143.1	225.8	197.0	245.3	2121.6	4588.0	6467.9
72.5°	52.0	66.0	87.4	72.5	116.2	174.7	137.5	178.4	1386.5	3581.5	5272.9
75°	49.3	60.4	64.1	58.5	86.4	114.3	104.1	119.9	826.1	2617.8	4000.6
77.5°	48.3	56.7	52.0	47.4	58.5	67.8	79.0	80.8	403.3	1309.4	2096.5
80°	42.7	51.1	44.6	39.0	40.0	44.6	58.5	53.9	92.0	332.7	559.4
82.5°	33.5	40.0	37.2	32.5	32.5	32.5	39.0	36.2	29.7	149.6	252.8
85°	23.2	27.9	27.9	26.0	25.1	25.1	24.2	23.2	8.4	9.3	13.9
87.5°	15.8	19.5	20.4	19.5	16.7	14.9	13.0	11.2	3.7	0.0	1.9
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: P635071

CATALOG NUMBER: GWS-SA3D-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0	407.0
2.5°	431.2	434.0	434.0	430.3	427.5	420.0	412.6	405.2	403.3	402.4
5°	431.2	442.3	447.9	447.0	440.5	428.4	412.6	395.9	391.2	389.4
7.5°	424.7	446.1	462.8	465.6	453.5	432.1	403.3	378.2	371.7	368.9
10°	439.6	481.4	514.8	519.5	505.5	463.7	417.3	374.5	364.3	357.8
12.5°	519.5	588.2	629.1	648.7	621.7	568.7	491.6	415.4	392.2	381.9
15°	681.2	778.8	856.8	856.8	831.7	737.9	640.3	516.7	485.1	457.2
17.5°	888.4	1011.1	1079.8	1072.4	1034.3	968.3	851.2	673.7	609.6	580.8
20°	1124.5	1197.9	1213.7	1209.0	1192.3	1154.2	1073.3	882.8	796.4	751.8
22.5°	1328.9	1309.4	1286.2	1267.6	1262.9	1274.1	1262.9	1116.1	1048.3	969.3
25°	1467.4	1356.8	1287.1	1253.6	1269.4	1333.5	1403.2	1348.4	1294.5	1212.7
27.5°	1542.6	1351.2	1250.8	1216.5	1243.4	1334.5	1486.0	1578.9	1523.1	1484.1
30°	1583.5	1346.6	1227.6	1194.2	1235.0	1349.3	1543.6	1794.5	1796.3	1734.1
32.5°	1642.1	1376.3	1232.3	1201.6	1256.4	1394.0	1616.1	2013.8	2067.7	2034.2
35°	1708.1	1421.8	1253.6	1225.7	1293.6	1453.4	1696.9	2235.0	2347.4	2336.3
37.5°	1770.3	1472.9	1303.8	1276.9	1350.3	1504.5	1775.0	2452.4	2608.6	2647.6
40°	1835.4	1544.5	1458.1	1484.1	1525.0	1585.4	1844.7	2641.1	2895.7	2954.3
42.5°	1988.7	1792.6	1924.6	1973.8	1979.4	1854.9	1997.1	2882.7	3178.2	3247.9
45°	2330.7	2234.0	2612.3	2682.0	2645.7	2268.4	2364.1	3231.2	3573.2	3608.5
47.5°	2762.8	2807.4	3553.7	3794.3	3576.9	2756.3	2809.3	3964.4	4296.2	4283.2
50°	3266.5	3477.4	4622.4	5190.2	4669.7	3390.1	3322.3	4865.8	5268.2	5228.3
52.5°	3862.2	4256.2	5906.6	6713.3	6220.8	4102.9	4075.0	6060.0	6305.3	6178.0
55°	4612.1	5008.0	7384.2	8511.5	7810.8	4972.7	5068.4	7444.6	7492.0	7087.8
57.5°	5731.0	5988.4	9125.8	10573.6	9470.5	6154.8	6849.0	9287.4	8720.6	7954.8
60°	7762.5	7249.5	10808.7	12683.1	11236.2	7817.3	9197.3	10379.4	9129.5	8073.8
62.5°	8469.7	8320.0	11862.5	13575.3	12423.8	9182.4	9807.9	9760.5	8599.8	7624.0
65°	7398.2	8053.3	11673.9	13104.1	12271.4	8957.5	8801.4	9077.4	8003.2	6941.0
67.5°	6834.1	7427.0	10959.3	11804.0	11426.7	8194.6	7845.2	7769.9	6718.9	5873.2
70°	6265.4	6852.7	9923.1	10028.1	9852.5	6951.2	6492.1	5987.5	5022.0	4286.9
72.5°	5581.4	5904.8	8485.5	7987.4	7788.5	5459.7	5363.0	4509.0	3764.6	3133.6
75°	4867.7	4773.8	6615.7	5482.0	5630.6	4247.8	4529.4	3311.1	2758.2	2255.4
77.5°	3540.6	3470.9	4430.9	3329.7	3687.5	2782.3	2499.8	1321.5	1258.3	1085.4
80°	1975.7	2381.8	2393.0	1866.0	2327.9	1814.0	625.4	43.7	27.9	40.9
82.5°	918.2	1024.1	1297.3	865.2	1328.0	898.6	129.2	0.0	0.0	0.0
85°	297.4	434.9	364.3	127.3	321.5	303.9	21.4	0.0	0.0	0.0
87.5°	17.7	36.2	9.3	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)