

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: P640025

Luminaire Tested: GWS-SA5D-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-722-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13732.5 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

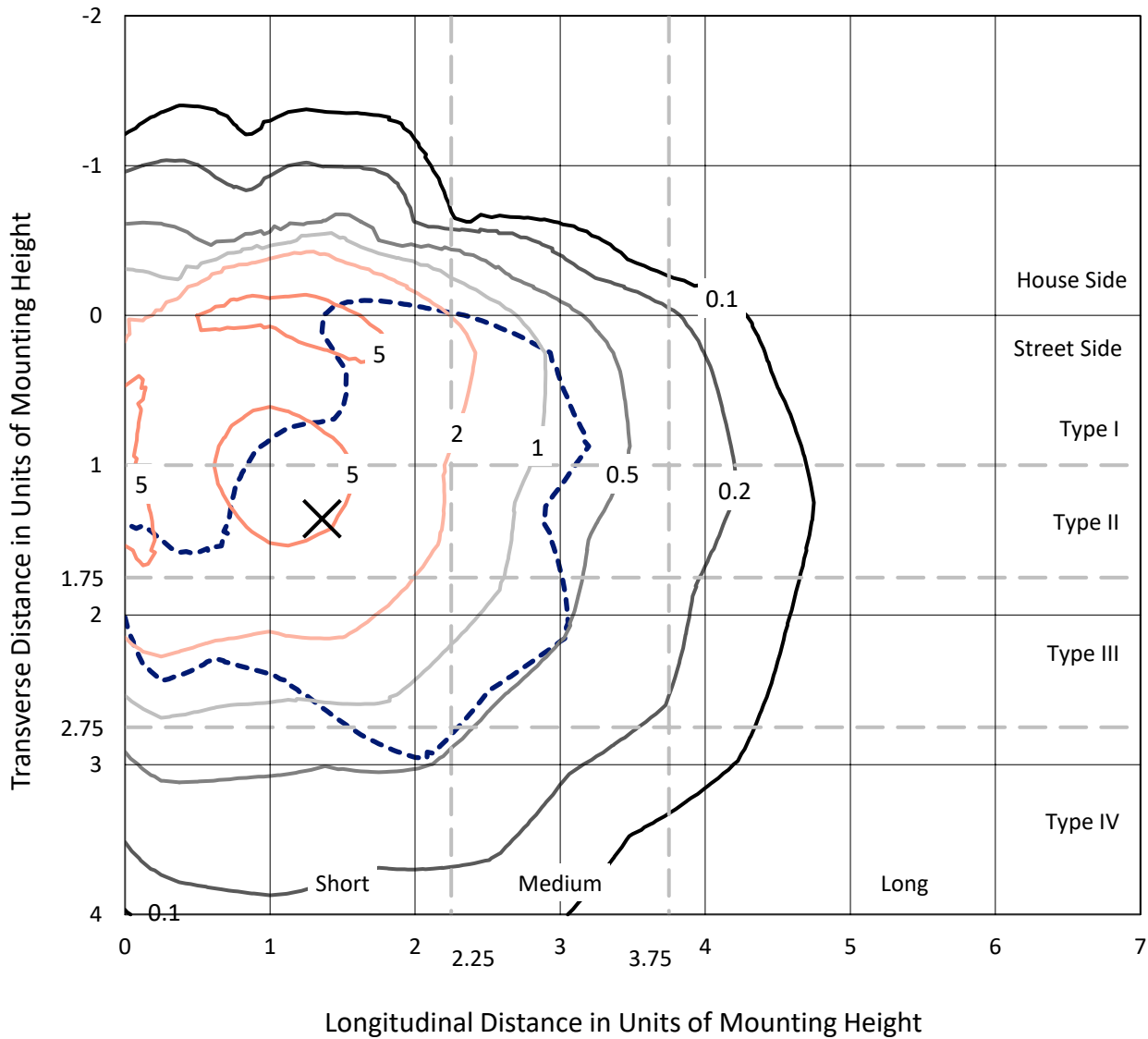
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640025
 CATALOG NUMBER: GWS-SA5D-722-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

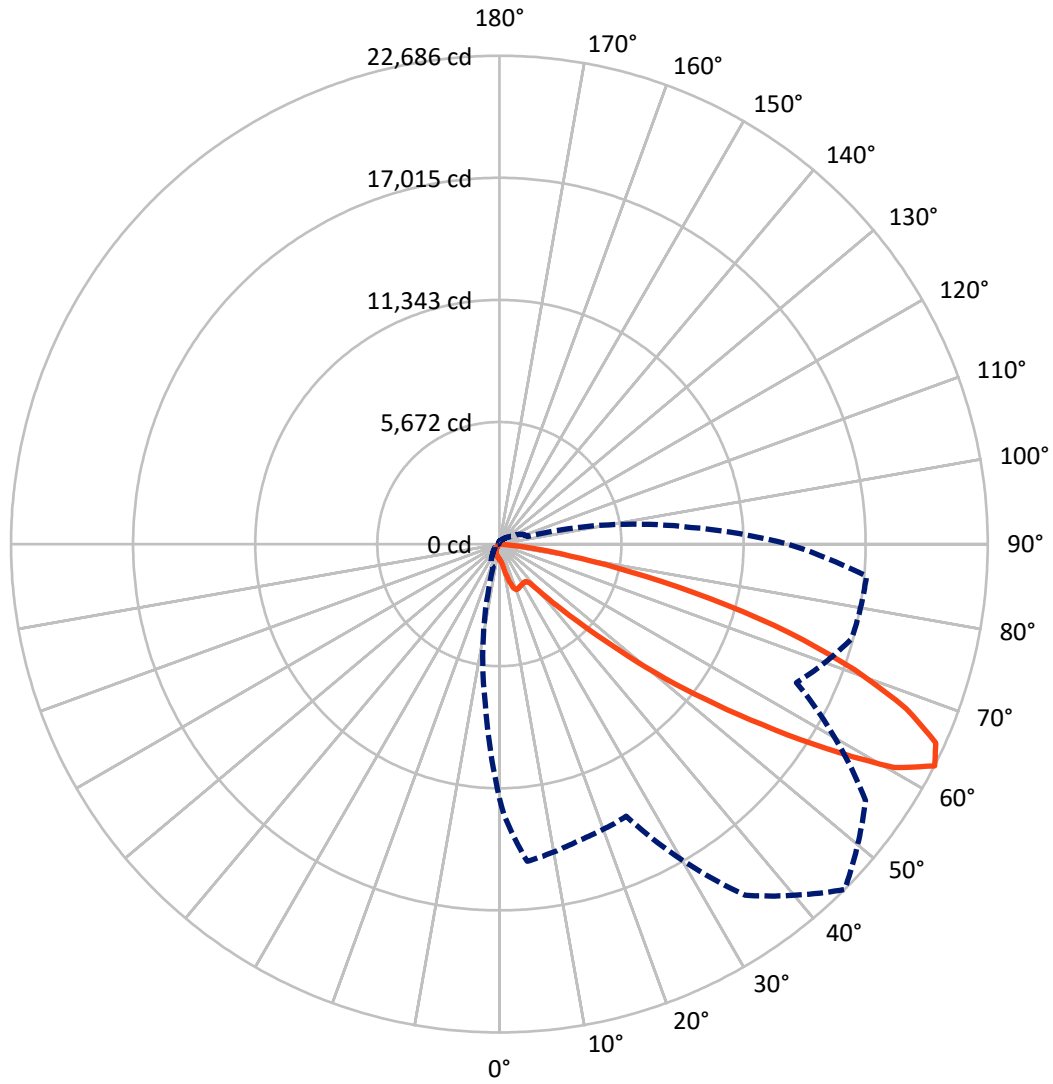
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

REPORT NUMBER: P640025
CATALOG NUMBER: GWS-SA5D-722-U-SLR-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P640025
 CATALOG NUMBER: GWS-SA5D-722-U-SLR-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1694.6	0.0	1694.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	12037.9	0.0	12037.9
	% Fixture	87.7	0.0	87.7
Total	Lumens	13732.5	0.0	13732.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	0.5
10°-20°	239.4	1.7
20°-30°	520.5	3.8
30°-40°	854.2	6.2
40°-50°	1570.4	11.4
50°-60°	3372.5	24.6
60°-70°	4529.8	33.0
70°-80°	2358.7	17.2
80°-90°	223.6	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°	13732.5	100.0
0°-180°	13732.5	100.0

Coefficient of Utilization



REPORT NUMBER: P640025

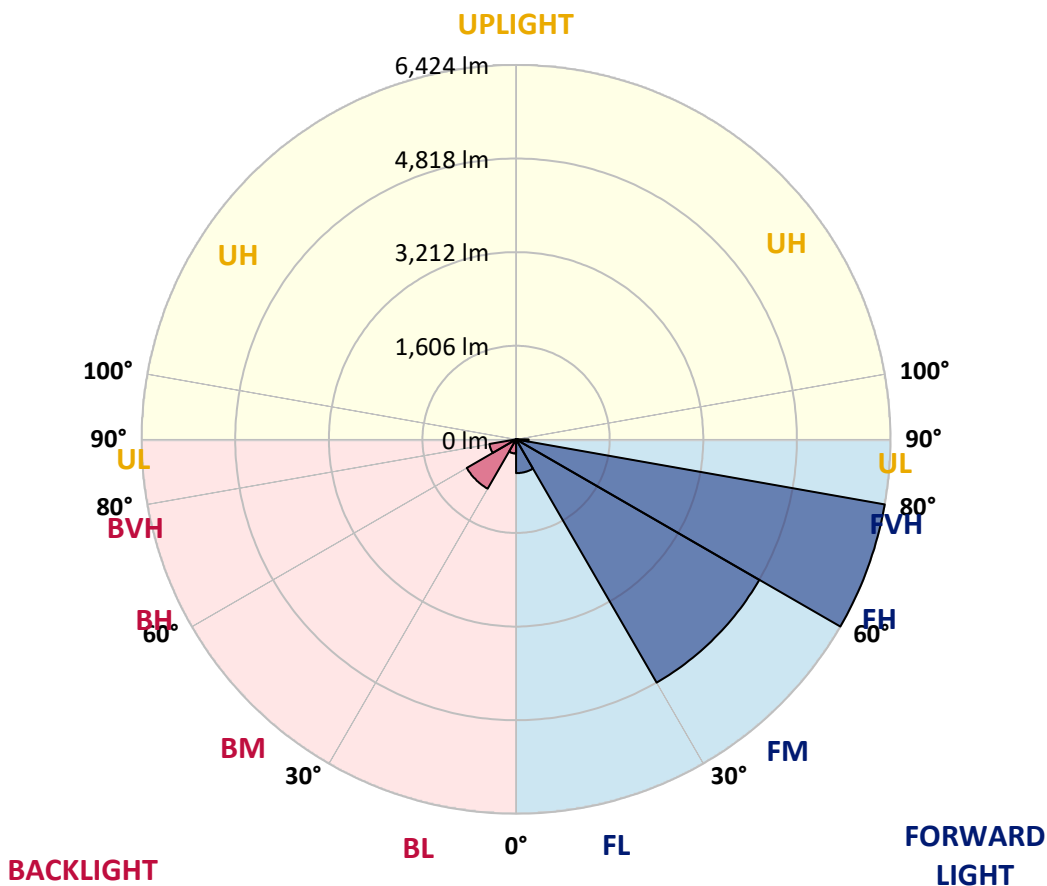
CATALOG NUMBER: GWS-SA5D-722-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	580.1	4.2			
FM (30°-60°)	4820.0	35.1			
FH (60°-80°)	6424.2	46.8			G3/7500
FVH (80°-90°)	213.7	1.6			G2/225
BL (0°-30°)	243.1	1.8	B1/500		
BM (30°-60°)	977.2	7.1	B1/1000		
BH (60°-80°)	464.3	3.4	B1/500		G1/500
BVH (80°-90°)	10.0	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-G3

Type IV Short





REPORT NUMBER: P640025

CATALOG NUMBER: GWS-SA5D-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8
2.5°	728.1	731.3	734.4	745.5	753.5	759.8	761.4	756.6	745.5	734.4	718.6
5°	705.9	709.0	720.1	750.3	780.4	804.2	812.1	807.4	780.4	745.5	709.0
7.5°	704.3	710.6	737.6	801.0	866.1	915.3	927.9	916.8	866.1	796.3	721.7
10°	761.4	772.5	812.1	926.4	1045.3	1132.6	1167.5	1119.9	1039.0	912.1	789.9
12.5°	910.5	929.5	1005.7	1172.2	1356.2	1472.0	1519.6	1460.9	1334.0	1150.0	956.5
15°	1145.3	1173.8	1288.0	1537.1	1754.4	1857.5	1873.3	1840.0	1692.5	1489.5	1229.3
17.5°	1476.8	1518.0	1695.7	1949.5	2106.5	2143.0	2138.2	2103.3	1995.5	1855.9	1610.0
20°	1873.3	1922.5	2097.0	2306.4	2322.2	2279.4	2255.6	2235.0	2198.5	2174.7	1982.8
22.5°	2273.1	2333.3	2515.8	2568.1	2425.3	2301.6	2242.9	2258.8	2312.7	2430.1	2352.4
25°	2671.2	2728.3	2899.6	2758.5	2472.9	2266.7	2192.2	2230.2	2358.7	2612.5	2712.4
27.5°	3136.0	3178.8	3280.3	2888.5	2480.9	2238.2	2165.2	2223.9	2380.9	2726.7	3107.4
30°	3619.8	3645.2	3596.0	2923.4	2453.9	2195.3	2138.2	2223.9	2419.0	2802.9	3404.0
32.5°	3975.1	3979.8	3819.6	2926.6	2439.6	2160.4	2112.9	2214.4	2455.5	2866.3	3691.2
35°	4341.5	4317.7	4033.8	2974.2	2477.7	2173.1	2131.9	2241.3	2512.6	2940.9	3943.4
37.5°	4712.7	4669.9	4273.3	3051.9	2576.0	2311.1	2285.8	2379.3	2604.6	3044.0	4221.0
40°	5093.4	5034.7	4522.3	3169.3	2794.9	2780.7	2867.9	2856.8	2856.8	3175.6	4506.5
42.5°	5558.1	5489.9	4890.3	3500.8	3305.7	3624.5	3862.5	3714.9	3442.1	3478.6	4877.7
45°	6172.0	6113.3	5528.0	4135.3	4106.7	4839.6	5160.0	4868.1	4189.2	4178.1	5497.9
47.5°	7153.9	7142.8	6544.8	4871.3	5087.0	6386.2	7004.8	6443.3	5041.0	4918.9	6671.7
50°	8533.9	8500.6	7812.2	5734.2	6252.9	8302.3	9406.3	8470.5	6070.5	5783.4	8243.6
52.5°	10088.4	10123.3	9587.2	6676.4	7491.8	10434.2	11971.3	10792.7	7188.8	6882.6	10221.7
55°	11552.5	11752.4	11611.2	7778.9	8702.0	12788.2	14788.4	13340.2	8573.6	8321.4	12439.2
57.5°	12697.8	13260.9	14250.7	9381.0	10124.9	15541.9	17933.9	16101.8	10189.9	10657.9	15457.8
60°	12761.2	13506.7	15805.2	12732.7	11955.4	17903.8	21074.6	18800.0	12731.1	14625.0	17822.9
62.5°	11804.7	12604.2	14793.2	14255.4	13949.3	19913.5	22686.2	20766.9	15231.0	16948.8	17121.7
65°	10710.2	11517.6	13663.8	12528.0	13717.7	19827.8	22277.0	20812.9	15457.8	15369.0	15867.0
67.5°	9055.8	9780.7	11723.8	11089.3	12643.8	18871.4	20386.2	19501.1	14241.2	14374.4	14596.5
70°	6609.8	7307.8	9111.3	9143.0	11041.7	17147.1	17516.7	17394.6	13114.9	13256.1	12621.6
72.5°	4774.5	5363.0	6919.1	7498.1	8814.7	14379.2	14123.8	14594.9	11252.7	11806.3	10137.6
75°	3432.6	3873.6	5075.9	6522.6	6987.3	10678.5	10110.6	11303.5	9028.8	10166.1	7621.8
77.5°	1392.7	1548.2	1997.1	4393.9	4592.1	7184.0	6189.5	8210.3	6436.9	6679.6	3694.3
80°	57.1	63.4	82.5	2268.3	3148.7	4041.7	3312.0	4389.1	4251.1	2690.2	872.4
82.5°	6.3	6.3	14.3	653.5	1378.4	2230.2	1560.8	2528.4	2152.5	1140.5	396.6
85°	1.6	1.6	3.2	74.6	323.6	356.9	211.0	775.7	1000.9	466.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	14.3	15.9	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: P640025

CATALOG NUMBER: GWS-SA5D-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8
2.5°	718.6	710.6	701.1	691.6	686.8	674.1	669.4	666.2	663.0	664.6	664.6
5°	694.8	677.3	656.7	636.1	625.0	612.3	605.9	602.8	604.4	610.7	610.7
7.5°	691.6	658.3	613.9	586.9	574.2	564.7	558.4	555.2	556.8	564.7	567.9
10°	743.9	685.3	605.9	559.9	545.7	536.1	529.8	525.0	521.9	528.2	529.8
12.5°	856.6	775.7	644.0	556.8	531.4	518.7	513.9	504.4	499.7	502.8	504.4
15°	1089.7	950.2	720.1	569.5	518.7	504.4	496.5	488.6	480.6	479.0	480.6
17.5°	1394.3	1194.4	835.9	599.6	509.2	491.7	480.6	469.5	458.4	456.8	455.2
20°	1771.8	1494.2	997.7	647.2	501.2	480.6	464.8	448.9	434.6	429.9	429.9
22.5°	2116.0	1855.9	1205.5	705.9	490.1	464.8	445.7	426.7	410.8	402.9	401.3
25°	2536.4	2239.8	1454.6	774.1	474.3	444.1	423.5	404.5	388.6	379.1	375.9
27.5°	2959.9	2644.2	1736.9	862.9	455.2	423.5	404.5	387.0	369.6	358.5	355.3
30°	3370.7	3080.5	2054.2	973.9	441.0	402.9	387.0	369.6	353.7	336.3	331.5
32.5°	3811.7	3526.2	2409.5	1097.7	429.9	388.6	371.2	355.3	334.7	318.8	310.9
35°	4236.8	3986.2	2801.3	1218.2	418.8	375.9	356.9	341.0	318.8	301.4	290.3
37.5°	4665.1	4454.1	3210.5	1291.2	402.9	358.5	341.0	328.3	303.0	282.3	269.7
40°	5118.8	4937.9	3653.1	1261.1	388.6	339.5	329.9	315.7	287.1	263.3	247.5
42.5°	5616.8	5399.5	4103.6	1145.3	375.9	323.6	314.1	299.8	272.8	244.3	223.7
45°	6243.4	5905.5	4473.2	970.8	382.3	307.7	288.7	285.5	260.1	223.7	198.3
47.5°	7320.4	6682.8	4760.3	858.1	425.1	290.3	268.1	276.0	249.0	203.0	174.5
50°	8968.5	7970.8	5028.3	850.2	490.1	282.3	249.0	269.7	237.9	182.4	153.9
52.5°	10538.9	9279.4	5199.7	920.0	547.2	303.0	230.0	261.7	230.0	168.1	139.6
55°	12041.1	10034.5	4893.5	970.8	601.2	364.8	215.7	249.0	220.5	160.2	134.8
57.5°	13660.6	10370.8	3852.9	1073.9	639.2	417.2	218.9	230.0	207.8	155.5	133.2
60°	14144.4	9940.9	2325.4	1208.7	618.6	433.0	242.7	204.6	190.3	145.9	128.5
62.5°	13392.5	8920.9	1372.1	1100.8	601.2	409.2	277.6	188.8	172.9	133.2	119.0
65°	12267.9	7536.2	894.6	929.5	637.7	364.8	295.0	180.8	157.0	120.6	104.7
67.5°	10983.0	6070.5	626.6	548.8	588.5	328.3	249.0	179.2	141.2	101.5	85.7
70°	9250.9	4546.1	441.0	363.2	490.1	291.9	193.5	174.5	123.7	82.5	66.6
72.5°	7147.5	2845.7	328.3	234.8	349.0	237.9	153.9	147.5	99.9	68.2	50.8
75°	5271.0	1622.7	231.6	169.7	230.0	180.8	114.2	104.7	85.7	65.0	46.0
77.5°	2752.1	812.1	144.3	130.1	131.7	112.6	82.5	76.1	79.3	65.0	42.8
80°	528.2	161.8	87.2	95.2	71.4	71.4	60.3	63.4	69.8	52.3	36.5
82.5°	220.5	34.9	47.6	53.9	44.4	49.2	49.2	50.8	49.2	38.1	27.0
85°	0.0	0.0	20.6	22.2	30.1	30.1	25.4	25.4	25.4	22.2	15.9
87.5°	0.0	0.0	0.0	0.0	1.6	4.8	9.5	11.1	12.7	9.5	6.3
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: P640025
 CATALOG NUMBER: GWS-SA5D-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8
2.5°	663.0	659.9	664.6	667.8	671.0	671.0	667.8	664.6	659.9	664.6	659.9
5°	612.3	617.0	625.0	628.1	631.3	625.0	621.8	612.3	604.4	605.9	602.8
7.5°	572.6	577.4	586.9	593.2	593.2	590.1	580.6	571.0	558.4	558.4	556.8
10°	536.1	542.5	553.6	561.5	564.7	561.5	552.0	539.3	528.2	528.2	523.5
12.5°	506.0	513.9	526.6	537.7	540.9	537.7	528.2	515.5	502.8	502.8	499.7
15°	480.6	490.1	504.4	517.1	521.9	517.1	506.0	490.1	477.5	479.0	474.3
17.5°	456.8	464.8	483.8	498.1	502.8	498.1	483.8	463.2	450.5	453.7	450.5
20°	429.9	439.4	458.4	474.3	479.0	474.3	458.4	436.2	423.5	423.5	425.1
22.5°	401.3	410.8	429.9	441.0	447.3	442.6	426.7	406.1	393.4	393.4	395.0
25°	375.9	380.7	395.0	406.1	407.7	402.9	390.2	374.3	364.8	369.6	371.2
27.5°	352.1	352.1	358.5	364.8	363.2	358.5	353.7	341.0	339.5	344.2	349.0
30°	326.8	318.8	315.7	310.9	309.3	307.7	312.5	312.5	315.7	322.0	326.8
32.5°	304.6	288.7	274.4	260.1	252.2	258.6	271.2	282.3	293.5	303.0	307.7
35°	279.2	253.8	230.0	211.0	198.3	207.8	228.4	249.0	268.1	280.8	288.7
37.5°	253.8	217.3	188.8	165.0	155.5	163.4	185.6	214.1	242.7	258.6	269.7
40°	226.8	180.8	147.5	128.5	119.0	126.9	149.1	177.7	215.7	236.3	250.6
42.5°	199.9	149.1	119.0	99.9	95.2	99.9	117.4	145.9	187.2	212.6	231.6
45°	172.9	123.7	95.2	80.9	76.1	80.9	95.2	119.0	160.2	188.8	211.0
47.5°	149.1	104.7	79.3	66.6	63.4	68.2	79.3	99.9	134.8	163.4	188.8
50°	130.1	92.0	68.2	57.1	53.9	58.7	68.2	84.1	114.2	139.6	166.6
52.5°	117.4	85.7	60.3	49.2	47.6	50.8	58.7	71.4	96.8	119.0	144.3
55°	114.2	85.7	55.5	44.4	42.8	46.0	52.3	61.9	84.1	103.1	125.3
57.5°	117.4	92.0	52.3	38.1	36.5	39.7	46.0	53.9	73.0	88.8	109.4
60°	117.4	93.6	46.0	30.1	28.6	31.7	38.1	47.6	65.0	77.7	95.2
62.5°	106.3	85.7	38.1	23.8	20.6	23.8	31.7	39.7	57.1	69.8	84.1
65°	92.0	73.0	31.7	17.4	14.3	17.4	25.4	33.3	49.2	60.3	76.1
67.5°	74.6	55.5	23.8	12.7	9.5	12.7	19.0	27.0	41.2	52.3	68.2
70°	55.5	39.7	19.0	11.1	9.5	11.1	17.4	25.4	36.5	47.6	63.4
72.5°	41.2	27.0	15.9	11.1	7.9	11.1	15.9	23.8	34.9	46.0	60.3
75°	34.9	22.2	14.3	9.5	7.9	9.5	14.3	22.2	31.7	42.8	57.1
77.5°	33.3	20.6	12.7	7.9	6.3	7.9	12.7	19.0	28.6	39.7	55.5
80°	28.6	17.4	11.1	6.3	4.8	6.3	11.1	15.9	22.2	30.1	42.8
82.5°	22.2	14.3	7.9	3.2	1.6	3.2	7.9	9.5	14.3	17.4	25.4
85°	14.3	7.9	3.2	0.0	0.0	0.0	3.2	6.3	6.3	7.9	12.7
87.5°	6.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8
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: P640025

CATALOG NUMBER: GWS-SA5D-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8	713.8
2.5°	669.4	671.0	674.1	678.9	690.0	699.5	709.0	721.7	728.1	728.1
5°	605.9	607.5	609.1	615.5	631.3	644.0	664.6	690.0	702.7	705.9
7.5°	556.8	559.9	563.1	567.9	583.7	601.2	628.1	675.7	699.5	704.3
10°	528.2	533.0	539.3	548.8	563.1	582.1	628.1	713.8	753.5	761.4
12.5°	506.0	513.9	520.3	531.4	548.8	579.0	671.0	821.7	891.5	910.5
15°	483.8	493.3	502.8	513.9	533.0	590.1	753.5	1015.2	1131.0	1145.3
17.5°	461.6	472.7	485.4	498.1	521.9	617.0	883.5	1283.3	1445.1	1476.8
20°	436.2	450.5	467.9	483.8	510.8	659.9	1064.4	1602.1	1805.1	1873.3
22.5°	409.2	426.7	447.3	467.9	498.1	712.2	1283.3	1944.7	2228.7	2273.1
25°	387.0	404.5	423.5	444.1	477.5	775.7	1548.2	2369.8	2628.4	2671.2
27.5°	366.4	383.9	401.3	420.4	456.8	858.1	1867.0	2821.9	3091.6	3136.0
30°	344.2	364.8	382.3	401.3	437.8	959.7	2235.0	3323.1	3578.5	3619.8
32.5°	325.2	345.8	363.2	382.3	423.5	1070.7	2622.0	3767.3	3975.1	3975.1
35°	309.3	331.5	344.2	369.6	412.4	1142.1	2988.5	4190.8	4347.9	4341.5
37.5°	291.9	318.8	328.3	345.8	398.1	1150.0	3332.7	4638.1	4753.9	4712.7
40°	274.4	303.0	317.2	326.8	382.3	1085.0	3710.2	5049.0	5147.3	5093.4
42.5°	258.6	280.8	301.4	312.5	372.8	970.8	4013.2	5488.3	5605.7	5558.1
45°	242.7	261.7	274.4	295.0	379.1	891.5	4273.3	6000.7	6206.9	6172.0
47.5°	226.8	242.7	250.6	282.3	421.9	855.0	4431.9	6793.8	7182.4	7153.9
50°	209.4	228.4	228.4	279.2	485.4	867.7	4569.9	7942.2	8543.4	8533.9
52.5°	191.9	212.6	209.4	303.0	534.6	926.4	4727.0	8955.8	10001.2	10088.4
55°	174.5	193.5	196.7	350.6	563.1	977.1	4119.4	9382.5	11246.4	11552.5
57.5°	155.5	166.6	204.6	387.0	553.6	1124.6	2821.9	9460.3	12041.1	12697.8
60°	134.8	144.3	231.6	379.1	523.5	1039.0	1776.6	8762.3	11928.4	12761.2
62.5°	117.4	133.2	244.3	334.7	533.0	901.0	1132.6	7468.0	10854.6	11804.7
65°	103.1	128.5	222.1	303.0	539.3	610.7	764.6	6075.3	9806.1	10710.2
67.5°	92.0	142.8	182.4	269.7	463.2	429.9	525.0	4720.6	8245.2	9055.8
70°	84.1	145.9	149.1	231.6	358.5	276.0	345.8	3177.2	5683.5	6609.8
72.5°	76.1	107.9	112.6	185.6	231.6	168.1	223.7	1817.8	4143.2	4774.5
75°	73.0	73.0	77.7	120.6	128.5	122.1	144.3	1085.0	2971.0	3432.6
77.5°	68.2	55.5	49.2	77.7	69.8	87.2	85.7	482.2	1288.0	1392.7
80°	53.9	39.7	33.3	49.2	47.6	58.7	50.8	39.7	58.7	57.1
82.5°	33.3	25.4	23.8	30.1	27.0	30.1	23.8	6.3	6.3	6.3
85°	15.9	14.3	12.7	12.7	14.3	12.7	9.5	3.2	1.6	1.6
87.5°	7.9	7.9	6.3	4.8	6.3	6.3	4.8	1.6	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)