

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: P642496

Luminaire Tested: GWS-SA6D-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642496
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-SA6D-722-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15976 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

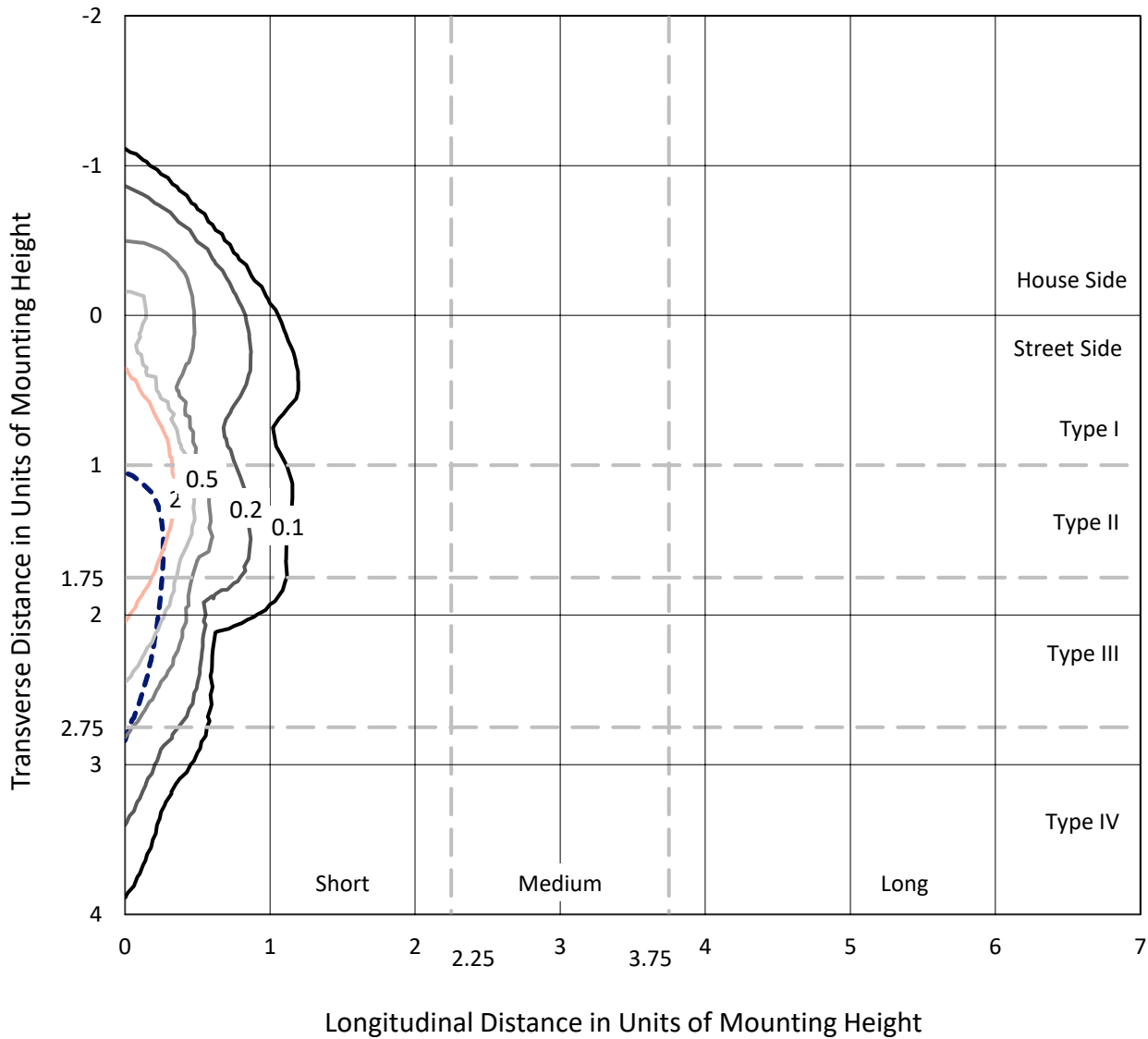
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642496
 CATALOG NUMBER: GWS-SA6D-722-U-SLL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

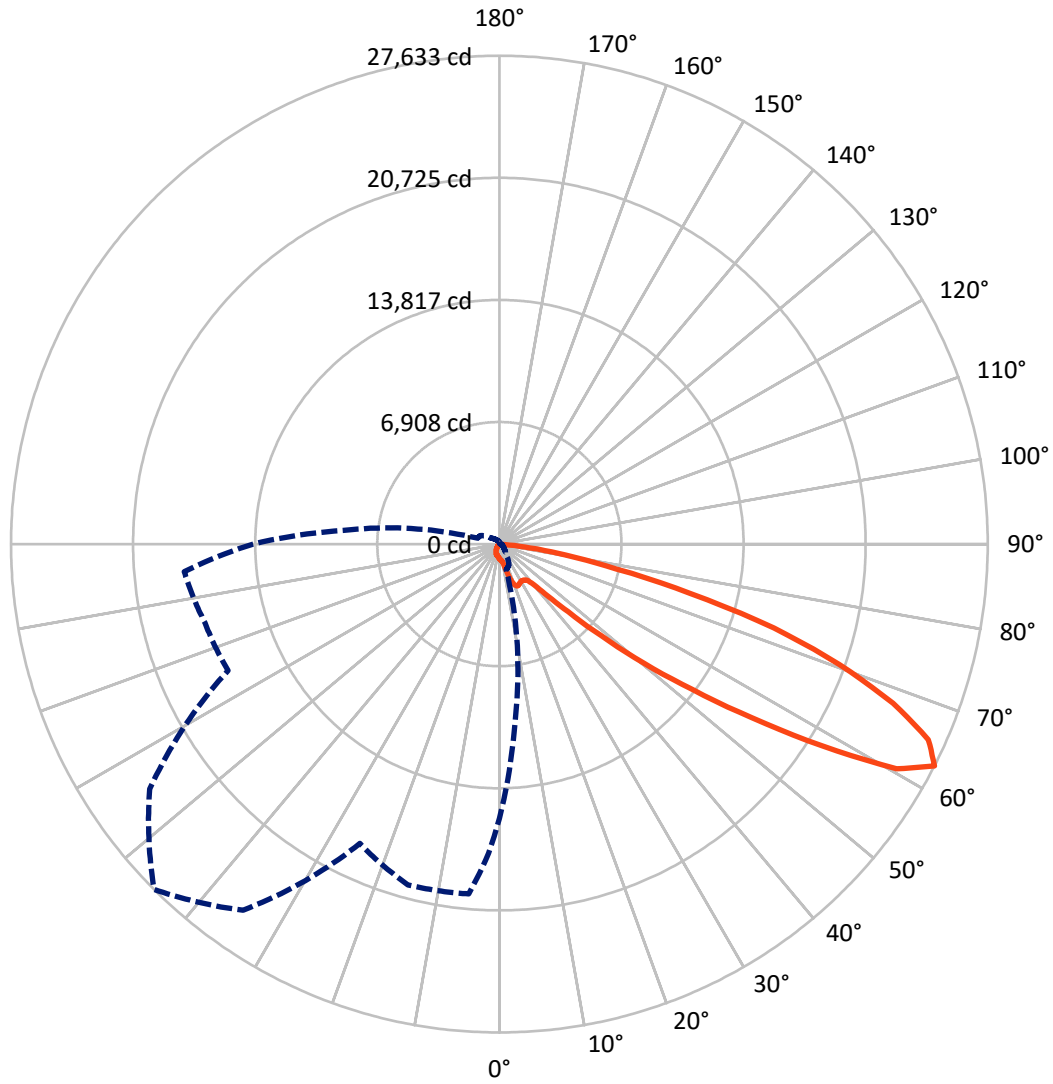
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Short - N/A

REPORT NUMBER: P642496
CATALOG NUMBER: GWS-SA6D-722-U-SLL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642496
 CATALOG NUMBER: GWS-SA6D-722-U-SLL-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1856.2	0.0	1856.2
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	14119.8	0.0	14119.8
	% Fixture	88.4	0.0	88.4
Total	Lumens	15976.0	0.0	15976.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	0.4
10°-20°	245.2	1.5
20°-30°	554.0	3.5
30°-40°	954.4	6.0
40°-50°	1800.4	11.3
50°-60°	4019.7	25.2
60°-70°	5376.3	33.7
70°-80°	2696.1	16.9
80°-90°	258.4	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°	15976.0	100.0
0°-180°	15976.0	100.0

Coefficient of Utilization



REPORT NUMBER: P642496

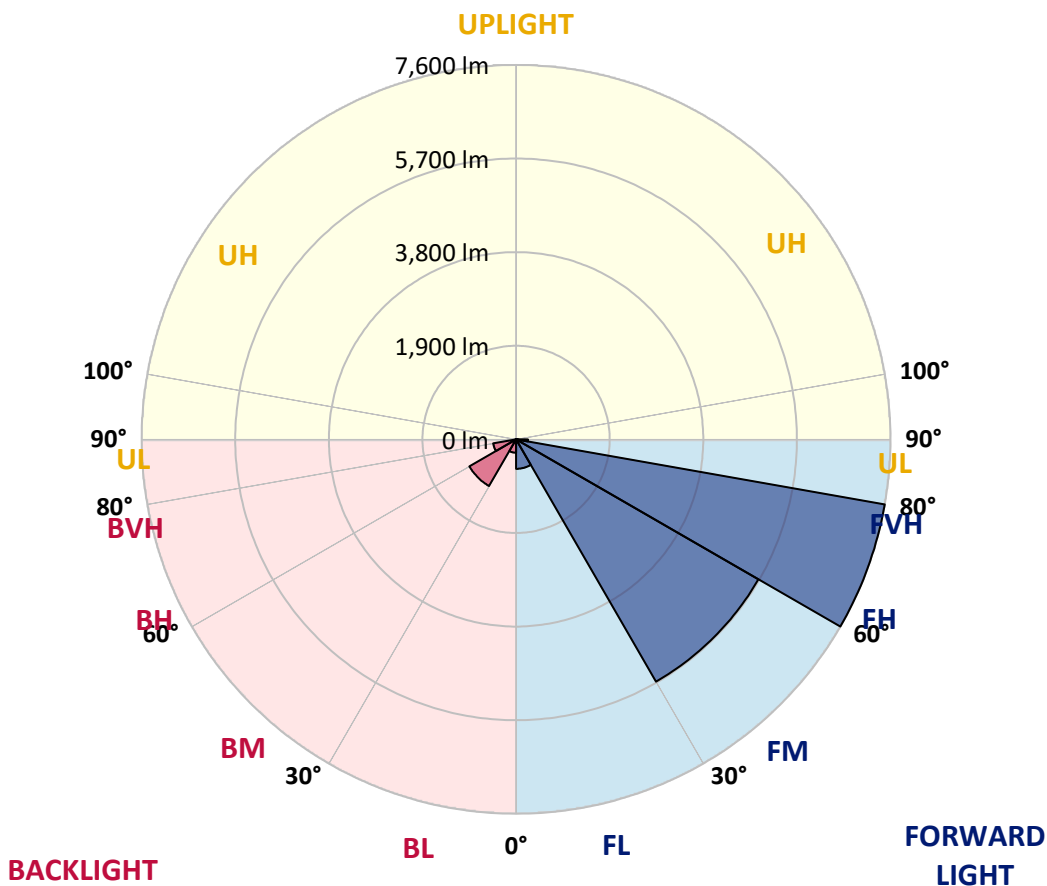
CATALOG NUMBER: GWS-SA6D-722-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	598.3	3.7			
FM (30°-60°)	5679.9	35.6			
FH (60°-80°)	7600.3	47.6			G4/12000
FVH (80°-90°)	241.2	1.5			G3/500
BL (0°-30°)	272.5	1.7	B1/500		
BM (30°-60°)	1094.5	6.9	B2/2500		
BH (60°-80°)	472.0	3.0	B1/500		G1/500
BVH (80°-90°)	17.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short





REPORT NUMBER: P642496

CATALOG NUMBER: GWS-SA6D-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5
2.5°	819.1	817.2	813.4	802.1	792.6	786.9	775.6	775.6	773.7	769.9	762.3
5°	792.6	785.0	777.5	756.7	734.0	720.7	705.6	703.7	703.7	699.9	698.0
7.5°	751.0	743.4	734.0	699.9	679.1	665.9	652.6	650.7	645.0	645.0	645.0
10°	728.3	716.9	701.8	664.0	643.2	631.8	622.3	616.7	612.9	607.2	605.3
12.5°	777.5	756.7	724.5	656.4	628.0	612.9	601.5	597.8	586.4	578.8	573.2
15°	930.7	879.6	815.3	673.4	622.3	599.6	584.5	577.0	567.5	554.3	544.8
17.5°	1182.3	1108.5	1000.7	728.3	616.7	588.3	569.4	556.1	542.9	527.8	516.4
20°	1530.3	1420.6	1292.0	828.5	616.7	575.1	552.4	535.3	516.4	499.4	486.2
22.5°	1973.0	1863.3	1643.8	998.8	624.2	558.0	531.6	508.9	486.2	471.0	455.9
25°	2468.6	2313.5	2109.2	1205.0	645.0	535.3	507.0	484.3	463.5	444.5	427.5
27.5°	3020.9	2852.6	2580.2	1498.2	690.4	512.6	480.5	459.7	440.8	421.8	399.1
30°	3529.8	3429.5	3151.5	1850.0	764.2	497.5	459.7	440.8	421.8	397.2	376.4
32.5°	4140.8	3963.0	3734.1	2251.1	862.6	482.4	442.6	416.2	401.0	378.3	355.6
35°	4755.6	4604.3	4303.5	2744.8	972.3	467.2	421.8	397.2	384.0	357.5	332.9
37.5°	5389.3	5355.2	5058.2	3291.5	1080.1	450.2	397.2	382.1	368.9	338.6	310.2
40°	6013.5	5951.1	5676.8	3915.7	1146.3	431.3	376.4	367.0	351.8	317.8	285.6
42.5°	6611.3	6564.0	6297.3	4513.5	1136.9	414.3	355.6	344.3	332.9	298.9	259.2
45°	7345.2	7267.7	6931.0	4956.1	1040.4	433.2	334.8	315.9	314.0	281.9	232.7
47.5°	8718.6	8463.2	7891.9	5296.6	943.9	482.4	312.1	289.4	302.7	264.8	206.2
50°	10642.4	10341.6	9514.9	5561.4	942.0	546.7	308.3	264.8	293.2	251.6	183.5
52.5°	12575.6	12046.0	11041.5	5703.3	1012.0	594.0	342.4	240.2	281.9	238.3	166.5
55°	14427.5	13328.5	11680.9	5234.2	1066.9	645.0	404.8	227.0	261.0	223.2	157.0
57.5°	16192.4	14359.4	11958.9	4140.8	1250.4	665.9	442.6	232.7	230.8	204.3	149.4
60°	16434.6	14310.3	11397.1	2408.1	1379.0	629.9	427.5	259.2	202.4	181.6	136.2
62.5°	15519.0	13358.8	10116.5	1502.0	1280.6	616.7	380.2	295.1	183.5	160.8	119.2
65°	14128.7	11866.3	8434.8	968.5	970.4	684.8	332.9	289.4	172.1	141.9	102.1
67.5°	11955.2	9931.1	6645.3	648.8	548.6	584.5	291.3	198.6	168.4	121.1	79.4
70°	8726.1	7069.1	4326.2	433.2	327.3	467.2	244.0	141.9	158.9	100.3	56.7
72.5°	6378.6	4749.9	2415.6	283.7	185.4	272.4	179.7	102.1	123.0	73.8	39.7
75°	4591.0	3268.8	1379.0	181.6	123.0	149.4	117.3	70.0	79.4	58.6	35.9
77.5°	2209.4	1592.8	626.1	100.3	83.2	75.7	62.4	43.5	49.2	53.0	32.2
80°	83.2	62.4	47.3	49.2	53.0	34.0	28.4	22.7	28.4	35.9	17.0
82.5°	0.0	0.0	0.0	5.7	7.6	9.5	11.3	9.5	11.3	13.2	1.9
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: P642496

CATALOG NUMBER: GWS-SA6D-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5
2.5°	768.0	764.2	768.0	771.8	775.6	779.4	773.7	777.5	781.2	771.8	775.6
5°	707.5	705.6	716.9	722.6	730.2	734.0	730.2	730.2	728.3	716.9	716.9
7.5°	654.5	656.4	665.9	679.1	688.6	694.2	690.4	688.6	682.9	665.9	665.9
10°	614.8	614.8	629.9	641.3	654.5	660.2	656.4	650.7	645.0	628.0	626.1
12.5°	582.6	582.6	594.0	612.9	628.0	635.6	633.7	626.1	616.7	599.6	597.8
15°	552.4	550.5	567.5	584.5	605.3	614.8	611.0	605.3	588.3	573.2	569.4
17.5°	522.1	520.2	535.3	558.0	580.7	594.0	592.1	578.8	563.7	544.8	541.0
20°	491.8	488.0	507.0	529.7	552.4	565.6	561.8	550.5	531.6	512.6	508.9
22.5°	461.6	459.7	472.9	491.8	512.6	524.0	522.1	512.6	493.7	476.7	476.7
25°	427.5	427.5	437.0	450.2	465.3	471.0	472.9	469.1	457.8	448.3	448.3
27.5°	399.1	393.5	397.2	401.0	408.6	418.1	418.1	421.8	423.7	419.9	421.8
30°	376.4	367.0	361.3	353.7	350.0	353.7	357.5	370.8	384.0	391.6	395.4
32.5°	350.0	338.6	323.5	302.7	289.4	285.6	297.0	321.6	346.2	363.2	372.7
35°	323.5	308.3	280.0	249.7	232.7	227.0	240.2	268.6	304.6	334.8	348.1
37.5°	297.0	276.2	236.5	200.5	181.6	177.8	191.1	221.3	262.9	304.6	321.6
40°	266.7	242.1	194.8	157.0	141.9	138.1	149.4	179.7	223.2	270.5	297.0
42.5°	236.5	206.2	157.0	124.8	109.7	109.7	124.8	147.5	187.3	238.3	270.5
45°	206.2	174.0	128.6	100.3	90.8	92.7	102.1	124.8	157.0	210.0	240.2
47.5°	177.8	149.4	105.9	83.2	75.7	77.6	88.9	107.8	134.3	181.6	213.8
50°	153.2	126.7	92.7	70.0	64.3	68.1	79.4	96.5	119.2	160.8	187.3
52.5°	138.1	113.5	85.1	60.5	56.7	60.5	71.9	87.0	107.8	141.9	168.4
55°	130.5	111.6	85.1	54.9	49.2	53.0	64.3	79.4	96.5	128.6	151.3
57.5°	128.6	115.4	90.8	49.2	41.6	45.4	56.7	71.9	88.9	117.3	136.2
60°	121.1	109.7	88.9	39.7	32.2	37.8	47.3	62.4	81.3	109.7	126.7
62.5°	105.9	96.5	77.6	32.2	24.6	28.4	39.7	54.9	73.8	100.3	119.2
65°	87.0	77.6	60.5	20.8	15.1	18.9	30.3	47.3	64.3	90.8	107.8
67.5°	64.3	54.9	41.6	13.2	7.6	13.2	24.6	39.7	58.6	81.3	98.4
70°	39.7	32.2	22.7	7.6	5.7	11.3	22.7	37.8	53.0	75.7	92.7
72.5°	22.7	15.1	9.5	3.8	5.7	11.3	22.7	37.8	51.1	71.9	87.0
75°	17.0	9.5	3.8	1.9	3.8	9.5	20.8	34.0	49.2	68.1	83.2
77.5°	11.3	5.7	1.9	0.0	1.9	7.6	18.9	32.2	45.4	64.3	79.4
80°	1.9	0.0	0.0	0.0	0.0	5.7	17.0	28.4	41.6	56.7	70.0
82.5°	0.0	0.0	0.0	0.0	0.0	1.9	13.2	24.6	35.9	47.3	56.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	7.6	18.9	28.4	35.9	39.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	18.9	22.7	26.5
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: P642496

CATALOG NUMBER: GWS-SA6D-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5
2.5°	773.7	785.0	785.0	792.6	802.1	819.1	828.5	841.8	851.2	860.7	864.5
5°	715.0	716.9	718.8	722.6	734.0	752.9	769.9	790.7	815.3	834.2	845.6
7.5°	665.9	665.9	665.9	671.5	682.9	696.1	713.1	741.5	769.9	792.6	811.5
10°	624.2	629.9	631.8	641.3	654.5	671.5	690.4	715.0	747.2	777.5	811.5
12.5°	597.8	603.4	612.9	622.3	635.6	654.5	675.3	707.5	773.7	836.1	908.0
15°	573.2	580.7	592.1	605.3	620.5	641.3	664.0	730.2	885.3	1002.6	1116.1
17.5°	546.7	558.0	573.2	586.4	605.3	628.0	656.4	785.0	1089.6	1284.4	1477.4
20°	512.6	527.8	544.8	565.6	588.3	614.8	656.4	898.5	1384.7	1664.6	1920.0
22.5°	480.5	495.6	516.4	542.9	569.4	595.9	665.9	1070.7	1764.9	2118.6	2442.1
25°	454.0	472.9	493.7	516.4	546.7	577.0	688.6	1312.8	2222.7	2678.6	2907.5
27.5°	429.4	452.1	472.9	491.8	518.3	552.4	739.6	1636.3	2763.7	3227.1	3406.8
30°	404.8	431.3	452.1	471.0	497.5	533.4	817.2	2048.6	3365.2	3815.4	3834.4
32.5°	384.0	408.6	433.2	452.1	476.7	518.3	925.0	2531.0	3981.9	4417.0	4239.2
35°	361.3	389.7	412.4	433.2	459.7	505.1	1049.9	3051.2	4604.3	4969.3	4642.1
37.5°	338.6	370.8	399.1	414.3	440.8	491.8	1140.7	3594.1	5239.8	5508.5	4995.8
40°	317.8	353.7	385.9	401.0	414.3	474.8	1153.9	4150.3	5884.9	6040.0	5328.7
42.5°	295.1	334.8	363.2	384.0	395.4	463.5	1074.5	4619.4	6425.9	6569.7	5763.8
45°	270.5	317.8	340.5	355.6	378.3	471.0	972.3	4982.6	7044.5	7292.3	6480.8
47.5°	245.9	298.9	317.8	329.1	359.4	516.4	934.5	5224.7	8064.1	8578.6	7689.5
50°	223.2	281.9	302.7	300.8	355.6	575.1	976.1	5408.2	9596.3	10201.6	9346.6
52.5°	198.6	262.9	287.5	280.0	384.0	620.5	1059.3	5553.9	10774.8	12104.6	11573.1
55°	177.8	242.1	264.8	262.9	437.0	654.5	1123.6	4785.8	11262.8	13873.3	14081.4
57.5°	162.7	219.4	238.3	270.5	471.0	654.5	1299.6	3397.4	11272.3	15174.7	17410.7
60°	149.4	198.6	211.9	297.0	457.8	620.5	1286.3	2080.8	10388.9	15085.8	19181.2
62.5°	138.1	179.7	196.7	304.6	404.8	614.8	1161.5	1290.1	8860.4	13937.6	17896.8
65°	128.6	164.6	189.2	280.0	367.0	658.3	783.1	926.9	7186.3	12628.6	16423.2
67.5°	119.2	151.3	200.5	228.9	332.9	588.3	565.6	658.3	5640.9	11192.8	15070.7
70°	111.6	143.8	211.9	187.3	291.3	459.7	401.0	499.4	4318.6	9339.0	13165.8
72.5°	105.9	134.3	177.8	147.5	236.5	355.6	280.0	363.2	2822.3	7290.4	10733.2
75°	100.3	123.0	130.5	119.2	175.9	232.7	211.9	244.0	1681.7	5328.7	8143.5
77.5°	98.4	115.4	105.9	96.5	119.2	138.1	160.8	164.6	821.0	2665.3	4267.5
80°	87.0	104.0	90.8	79.4	81.3	90.8	119.2	109.7	187.3	677.2	1138.8
82.5°	68.1	81.3	75.7	66.2	66.2	66.2	79.4	73.8	60.5	304.6	514.5
85°	47.3	56.7	56.7	53.0	51.1	51.1	49.2	47.3	17.0	18.9	28.4
87.5°	32.2	39.7	41.6	39.7	34.0	30.3	26.5	22.7	7.6	0.0	3.8
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: P642496

CATALOG NUMBER: GWS-SA6D-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5	828.5
2.5°	877.7	883.4	883.4	875.8	870.2	855.0	839.9	824.8	821.0	819.1
5°	877.7	900.4	911.8	909.9	896.6	872.0	839.9	805.8	796.4	792.6
7.5°	864.5	908.0	942.0	947.7	923.1	879.6	821.0	769.9	756.7	751.0
10°	894.7	979.9	1048.0	1057.4	1029.1	943.9	849.3	762.3	741.5	728.3
12.5°	1057.4	1197.4	1280.6	1320.4	1265.5	1157.7	1000.7	845.6	798.3	777.5
15°	1386.6	1585.2	1744.1	1744.1	1693.0	1502.0	1303.3	1051.8	987.4	930.7
17.5°	1808.4	2058.1	2198.1	2183.0	2105.4	1971.1	1732.7	1371.4	1240.9	1182.3
20°	2288.9	2438.3	2470.5	2461.0	2427.0	2349.4	2184.8	1797.1	1621.1	1530.3
22.5°	2705.0	2665.3	2618.0	2580.2	2570.7	2593.4	2570.7	2271.9	2133.8	1973.0
25°	2986.9	2761.8	2619.9	2551.8	2584.0	2714.5	2856.4	2744.8	2635.1	2468.6
27.5°	3140.1	2750.4	2546.1	2476.2	2531.0	2716.4	3024.7	3213.9	3100.4	3020.9
30°	3223.4	2741.0	2498.9	2430.8	2514.0	2746.7	3142.0	3652.8	3656.5	3529.8
32.5°	3342.5	2801.5	2508.3	2445.9	2557.5	2837.5	3289.6	4099.2	4208.9	4140.8
35°	3476.8	2894.2	2551.8	2495.1	2633.2	2958.5	3454.1	4549.4	4778.3	4755.6
37.5°	3603.6	2998.2	2654.0	2599.1	2748.6	3062.6	3613.0	4992.0	5309.8	5389.3
40°	3736.0	3143.9	2968.0	3020.9	3104.2	3227.1	3754.9	5376.0	5894.4	6013.5
42.5°	4048.1	3649.0	3917.6	4017.8	4029.2	3775.7	4065.1	5867.9	6469.4	6611.3
45°	4744.2	4547.5	5317.4	5459.3	5385.5	4617.5	4812.3	6577.2	7273.4	7345.2
47.5°	5623.8	5714.6	7233.6	7723.6	7280.9	5610.6	5718.4	8069.7	8745.1	8718.6
50°	6649.1	7078.5	9409.0	10564.8	9505.5	6900.7	6762.6	9904.6	10723.7	10642.4
52.5°	7861.7	8663.7	12023.3	13665.2	12662.6	8351.6	8294.8	12335.4	12834.8	12575.6
55°	9388.2	10194.0	15031.0	17325.5	15899.2	10122.2	10317.0	15153.9	15250.4	14427.5
57.5°	11665.7	12189.7	18575.9	21523.1	19277.7	12528.3	13941.4	18905.1	17751.1	16192.4
60°	15800.9	14756.7	22001.7	25817.1	22871.8	15912.5	18721.6	21127.7	18583.5	16434.6
62.5°	17240.4	16935.9	24146.8	27633.1	25289.3	18691.3	19964.4	19867.9	17505.2	15519.0
65°	15059.3	16393.0	23762.8	26674.0	24979.1	18233.5	17915.7	18477.5	16290.8	14128.7
67.5°	13911.1	15118.0	22308.1	24027.6	23259.6	16680.5	15969.2	15816.0	13676.6	11955.2
70°	12753.4	13949.0	20198.9	20412.7	20055.2	14149.5	13215.0	12187.8	10222.4	8726.1
72.5°	11361.2	12019.5	17272.6	16258.6	15853.8	11113.4	10916.7	9178.2	7663.0	6378.6
75°	9908.4	9717.4	13466.6	11158.8	11461.4	8646.7	9219.9	6739.9	5614.4	4591.0
77.5°	7207.1	7065.3	9019.3	6777.7	7506.0	5663.6	5088.5	2689.9	2561.3	2209.4
80°	4021.6	4848.3	4871.0	3798.4	4738.6	3692.5	1273.1	88.9	56.7	83.2
82.5°	1868.9	2084.6	2640.7	1761.1	2703.2	1829.2	262.9	0.0	0.0	0.0
85°	605.3	885.3	741.5	259.2	654.5	618.6	43.5	0.0	0.0	0.0
87.5°	35.9	73.8	18.9	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

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