

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: P642005

Luminaire Tested: GWS-SA6C-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642005
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-SA6C-722-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12980 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

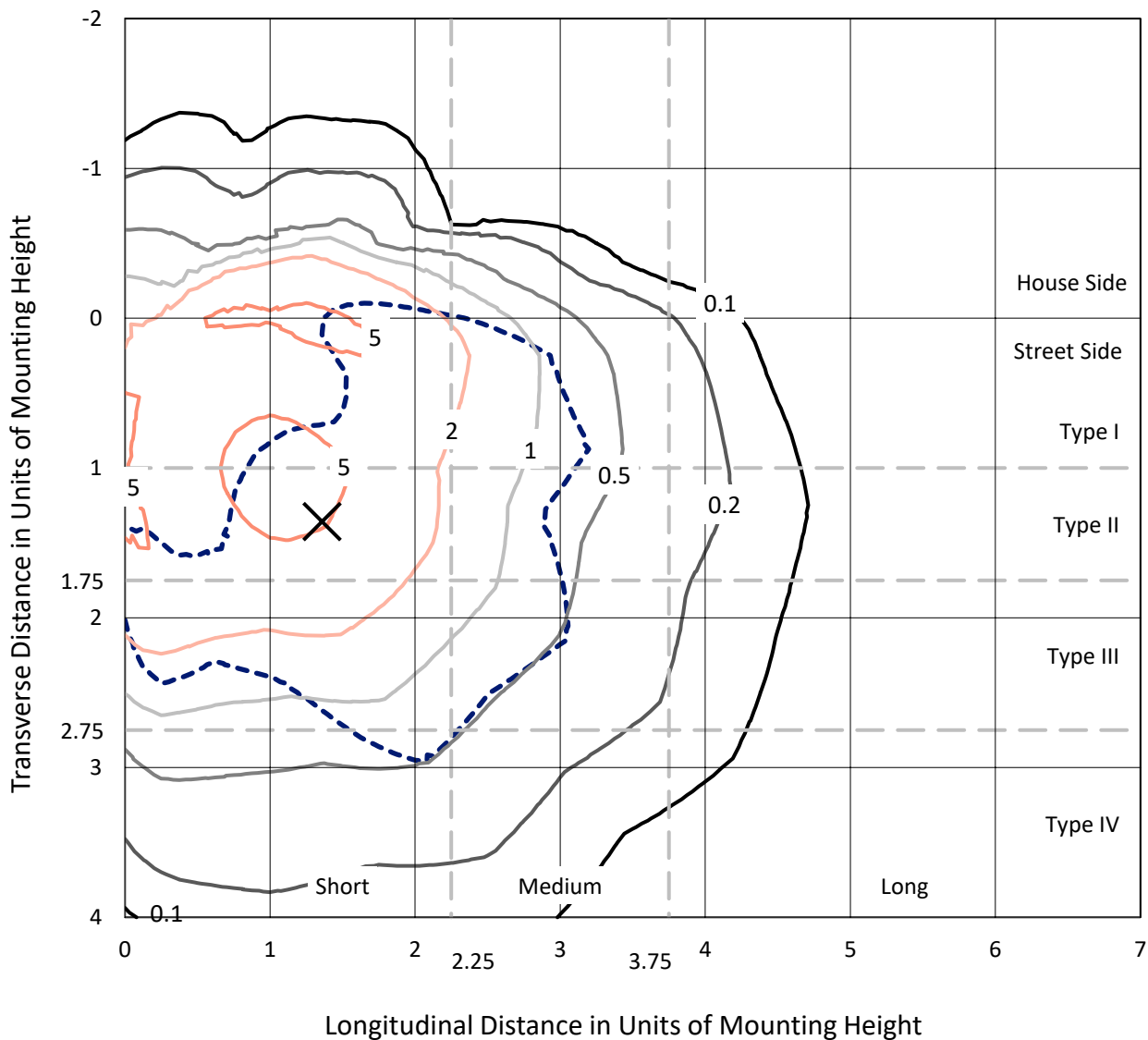
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642005
 CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

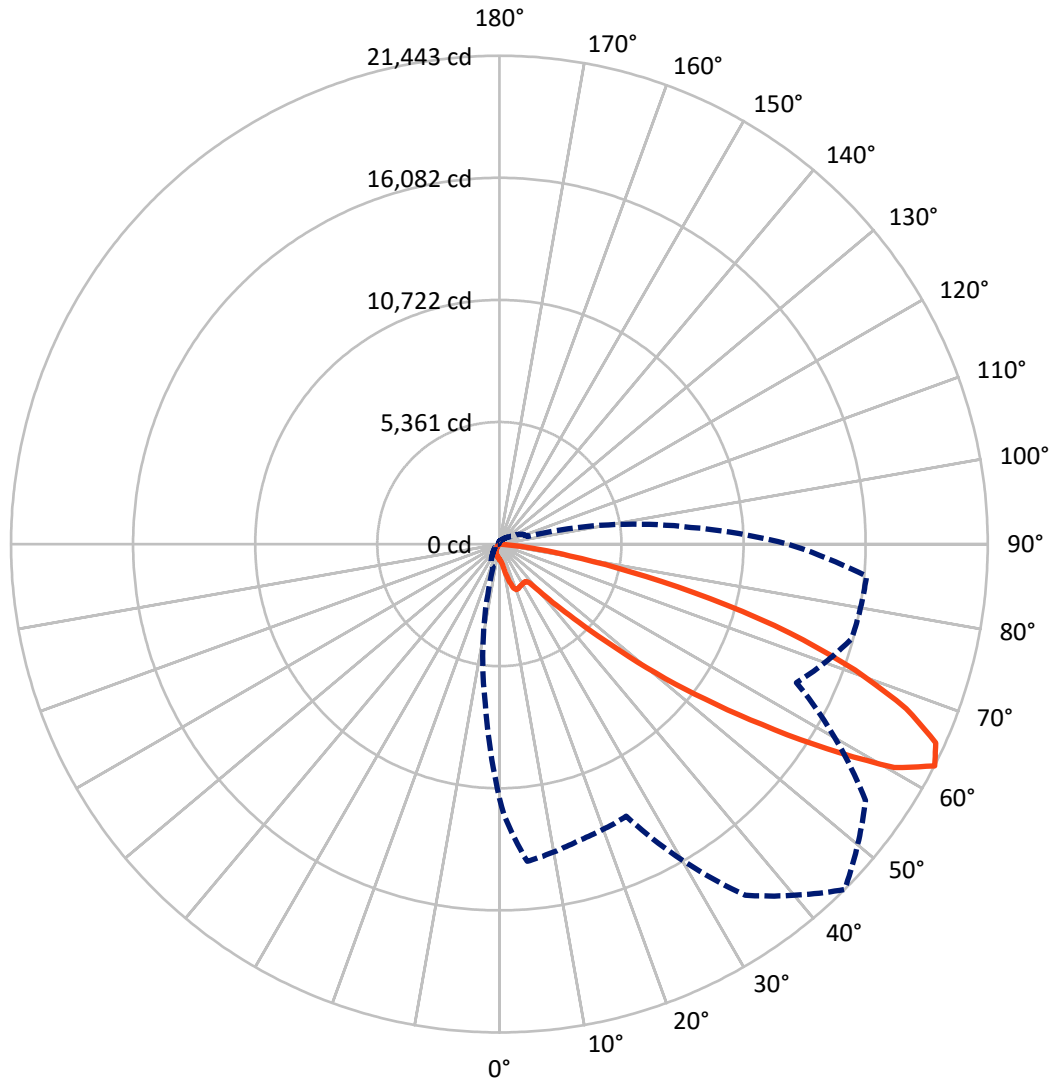
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P642005
CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642005
 CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1601.7	0.0	1601.7
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	11378.3	0.0	11378.3
	% Fixture	87.7	0.0	87.7
Total	Lumens	12980.0	0.0	12980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	0.5
10°-20°	226.3	1.7
20°-30°	491.9	3.8
30°-40°	807.4	6.2
40°-50°	1484.4	11.4
50°-60°	3187.7	24.6
60°-70°	4281.6	33.0
70°-80°	2229.5	17.2
80°-90°	211.4	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°	12980.0	100.0
0°-180°	12980.0	100.0

Coefficient of Utilization

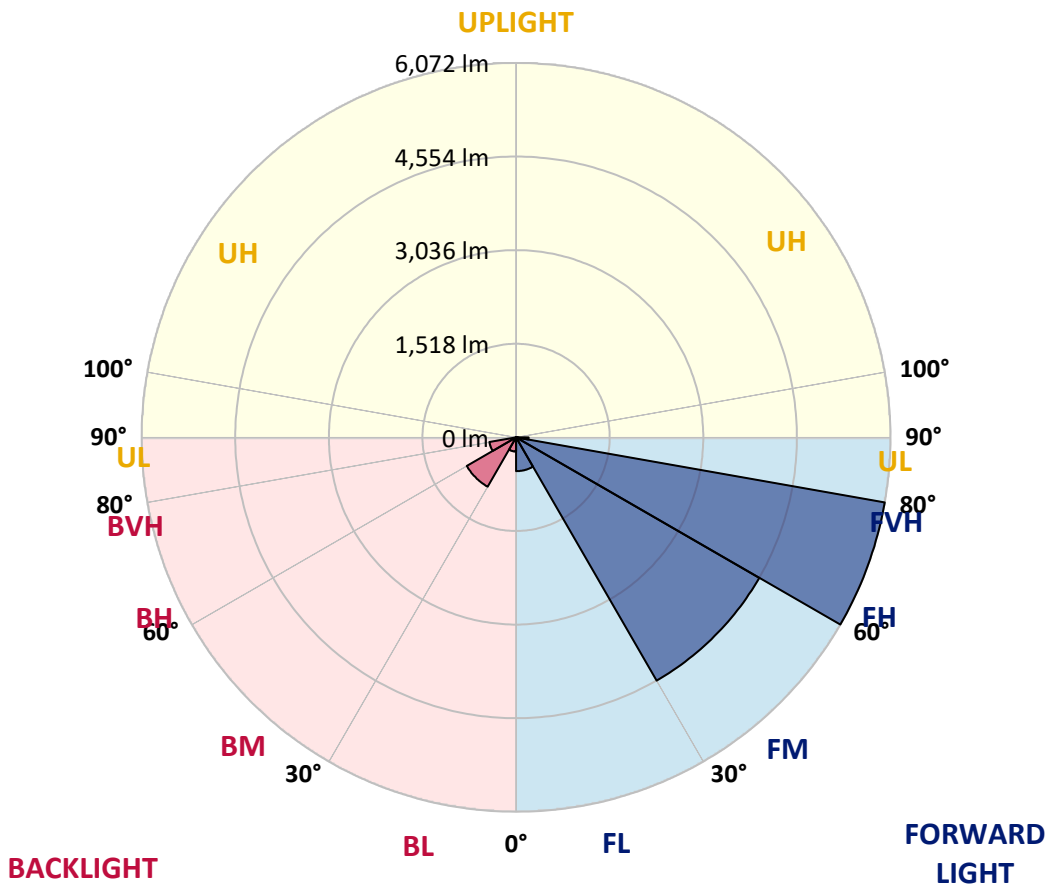


REPORT NUMBER: P642005
 CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	548.3	4.2			
FM (30°-60°)	4555.8	35.1			
FH (60°-80°)	6072.2	46.8			G3/7500
FVH (80°-90°)	202.0	1.6			G2/225
BL (0°-30°)	229.8	1.8	B1/500		
BM (30°-60°)	923.7	7.1	B1/1000		
BH (60°-80°)	438.9	3.4	B1/500		G1/500
BVH (80°-90°)	9.4	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-G3
 Type IV Short





REPORT NUMBER: P642005

CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7
2.5°	688.2	691.2	694.2	704.7	712.2	718.2	719.7	715.2	704.7	694.2	679.2
5°	667.2	670.2	680.7	709.2	737.7	760.1	767.6	763.1	737.7	704.7	670.2
7.5°	665.7	671.7	697.2	757.2	818.6	865.1	877.1	866.6	818.6	752.7	682.2
10°	719.7	730.2	767.6	875.6	988.0	1070.5	1103.5	1058.5	982.0	862.1	746.7
12.5°	860.6	878.6	950.6	1108.0	1281.9	1391.4	1436.3	1380.9	1260.9	1087.0	904.1
15°	1082.5	1109.5	1217.4	1452.8	1658.2	1755.7	1770.7	1739.2	1599.8	1407.8	1162.0
17.5°	1395.9	1434.8	1602.8	1842.6	1991.1	2025.6	2021.1	1988.1	1886.1	1754.2	1521.8
20°	1770.7	1817.2	1982.1	2180.0	2195.0	2154.5	2132.0	2112.5	2078.0	2055.6	1874.1
22.5°	2148.5	2205.5	2377.9	2427.4	2292.4	2175.5	2120.0	2135.0	2186.0	2296.9	2223.5
25°	2524.8	2578.8	2740.7	2607.3	2337.4	2142.5	2072.0	2108.0	2229.5	2469.4	2563.8
27.5°	2964.1	3004.6	3100.6	2730.2	2344.9	2115.5	2046.6	2102.0	2250.5	2577.3	2937.1
30°	3421.4	3445.4	3398.9	2763.2	2319.4	2075.0	2021.1	2102.0	2286.4	2649.3	3217.5
32.5°	3757.3	3761.8	3610.3	2766.2	2305.9	2042.1	1997.1	2093.0	2320.9	2709.2	3488.9
35°	4103.6	4081.1	3812.7	2811.2	2341.9	2054.1	2015.1	2118.5	2374.9	2779.7	3727.3
37.5°	4454.4	4414.0	4039.1	2884.7	2434.9	2184.5	2160.5	2249.0	2461.9	2877.2	3989.7
40°	4814.3	4758.8	4274.5	2995.6	2641.8	2628.3	2710.7	2700.3	2700.3	3001.6	4259.5
42.5°	5253.6	5189.1	4622.4	3309.0	3124.6	3425.9	3650.8	3511.4	3253.5	3288.0	4610.4
45°	5833.8	5778.3	5225.1	3908.7	3881.7	4574.4	4877.2	4601.4	3959.7	3949.2	5196.6
47.5°	6761.9	6751.4	6186.1	4604.4	4808.3	6036.2	6620.9	6090.2	4764.8	4649.4	6306.1
50°	8066.3	8034.8	7384.1	5420.0	5910.3	7847.4	8890.9	8006.3	5737.8	5466.5	7791.9
52.5°	9535.6	9568.6	9061.8	6310.6	7081.2	9862.4	11315.3	10201.3	6794.9	6505.5	9661.5
55°	10919.5	11108.4	10974.9	7352.6	8225.2	12087.4	13978.0	12609.2	8103.8	7865.4	11757.6
57.5°	12002.0	12534.2	13469.8	8866.9	9570.1	14690.2	16951.2	15219.5	9631.6	10073.8	14610.8
60°	12061.9	12766.6	14939.1	12034.9	11300.3	16922.7	19919.8	17769.8	12033.4	13823.6	16846.2
62.5°	11157.8	11913.5	13982.5	13474.3	13184.9	18822.3	21443.1	19628.9	14396.3	16020.1	16183.5
65°	10123.3	10886.5	12915.0	11841.5	12966.0	18741.3	21056.3	19672.4	14610.8	14526.8	14997.6
67.5°	8559.5	9244.7	11081.4	10481.7	11951.0	17837.3	19269.1	18432.5	13460.8	13586.7	13796.6
70°	6247.6	6907.3	8612.0	8642.0	10436.7	16207.5	16556.9	16441.4	12396.3	12529.7	11930.0
72.5°	4512.9	5069.2	6540.0	7087.2	8331.7	13591.2	13349.8	13795.1	10636.1	11159.3	9582.1
75°	3244.5	3661.3	4797.8	6165.2	6604.4	10093.3	9556.6	10684.1	8534.1	9609.1	7204.2
77.5°	1316.4	1463.3	1887.6	4153.1	4340.5	6790.4	5850.3	7760.4	6084.2	6313.6	3491.9
80°	54.0	60.0	78.0	2144.0	2976.1	3820.2	3130.6	4148.6	4018.1	2542.8	824.6
82.5°	6.0	6.0	13.5	617.7	1302.9	2108.0	1475.3	2389.9	2034.6	1078.0	374.8
85°	1.5	1.5	3.0	70.5	305.9	337.3	199.4	733.2	946.1	440.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	13.5	15.0	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: P642005
 CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7
2.5°	679.2	671.7	662.7	653.7	649.2	637.2	632.7	629.7	626.7	628.2	628.2
5°	656.7	640.2	620.7	601.2	590.7	578.7	572.7	569.7	571.2	577.2	577.2
7.5°	653.7	622.2	580.2	554.7	542.7	533.8	527.8	524.8	526.3	533.8	536.8
10°	703.2	647.7	572.7	529.3	515.8	506.8	500.8	496.3	493.3	499.3	500.8
12.5°	809.6	733.2	608.7	526.3	502.3	490.3	485.8	476.8	472.3	475.3	476.8
15°	1030.0	898.1	680.7	538.3	490.3	476.8	469.3	461.8	454.3	452.8	454.3
17.5°	1317.9	1129.0	790.1	566.7	481.3	464.8	454.3	443.8	433.3	431.8	430.3
20°	1674.7	1412.3	943.1	611.7	473.8	454.3	439.3	424.3	410.8	406.3	406.3
22.5°	2000.1	1754.2	1139.5	667.2	463.3	439.3	421.3	403.3	388.3	380.8	379.3
25°	2397.4	2117.0	1374.9	731.7	448.3	419.8	400.3	382.3	367.3	358.3	355.3
27.5°	2797.7	2499.3	1641.7	815.6	430.3	400.3	382.3	365.8	349.3	338.8	335.8
30°	3186.0	2911.7	1941.6	920.6	416.8	380.8	365.8	349.3	334.3	317.9	313.4
32.5°	3602.8	3333.0	2277.4	1037.5	406.3	367.3	350.8	335.8	316.4	301.4	293.9
35°	4004.6	3767.8	2647.8	1151.5	395.8	355.3	337.3	322.4	301.4	284.9	274.4
37.5°	4409.5	4210.1	3034.6	1220.4	380.8	338.8	322.4	310.4	286.4	266.9	254.9
40°	4838.3	4667.3	3452.9	1191.9	367.3	320.9	311.9	298.4	271.4	248.9	233.9
42.5°	5309.0	5103.6	3878.7	1082.5	355.3	305.9	296.9	283.4	257.9	230.9	211.4
45°	5901.3	5581.9	4228.0	917.6	361.3	290.9	272.9	269.9	245.9	211.4	187.4
47.5°	6919.3	6316.6	4499.4	811.1	401.8	274.4	253.4	260.9	235.4	191.9	164.9
50°	8477.1	7534.0	4752.8	803.6	463.3	266.9	235.4	254.9	224.9	172.4	145.4
52.5°	9961.4	8770.9	4914.7	869.6	517.3	286.4	217.4	247.4	217.4	158.9	131.9
55°	11381.2	9484.6	4625.4	917.6	568.2	344.8	203.9	235.4	208.4	151.4	127.4
57.5°	12912.0	9802.5	3641.8	1015.0	604.2	394.3	206.9	217.4	196.4	146.9	125.9
60°	13369.3	9396.2	2198.0	1142.5	584.7	409.3	229.4	193.4	179.9	137.9	121.4
62.5°	12658.7	8432.1	1296.9	1040.5	568.2	386.8	262.4	178.4	163.4	125.9	112.4
65°	11595.6	7123.2	845.6	878.6	602.7	344.8	278.9	170.9	148.4	113.9	99.0
67.5°	10381.2	5737.8	592.2	518.8	556.2	310.4	235.4	169.4	133.4	96.0	81.0
70°	8744.0	4297.0	416.8	343.3	463.3	275.9	182.9	164.9	116.9	78.0	63.0
72.5°	6755.9	2689.8	310.4	221.9	329.8	224.9	145.4	139.4	94.5	64.5	48.0
75°	4982.2	1533.8	218.9	160.4	217.4	170.9	108.0	99.0	81.0	61.5	43.5
77.5°	2601.3	767.6	136.4	122.9	124.4	106.5	78.0	72.0	75.0	61.5	40.5
80°	499.3	152.9	82.5	90.0	67.5	67.5	57.0	60.0	66.0	49.5	34.5
82.5°	208.4	33.0	45.0	51.0	42.0	46.5	46.5	48.0	46.5	36.0	25.5
85°	0.0	0.0	19.5	21.0	28.5	28.5	24.0	24.0	24.0	21.0	15.0
87.5°	0.0	0.0	0.0	0.0	1.5	4.5	9.0	10.5	12.0	9.0	6.0
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: P642005

CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7
2.5°	626.7	623.7	628.2	631.2	634.2	634.2	631.2	628.2	623.7	628.2	623.7
5°	578.7	583.2	590.7	593.7	596.7	590.7	587.7	578.7	571.2	572.7	569.7
7.5°	541.2	545.7	554.7	560.7	560.7	557.7	548.7	539.8	527.8	527.8	526.3
10°	506.8	512.8	523.3	530.8	533.8	530.8	521.8	509.8	499.3	499.3	494.8
12.5°	478.3	485.8	497.8	508.3	511.3	508.3	499.3	487.3	475.3	475.3	472.3
15°	454.3	463.3	476.8	488.8	493.3	488.8	478.3	463.3	451.3	452.8	448.3
17.5°	431.8	439.3	457.3	470.8	475.3	470.8	457.3	437.8	425.8	428.8	425.8
20°	406.3	415.3	433.3	448.3	452.8	448.3	433.3	412.3	400.3	400.3	401.8
22.5°	379.3	388.3	406.3	416.8	422.8	418.3	403.3	383.8	371.8	371.8	373.3
25°	355.3	359.8	373.3	383.8	385.3	380.8	368.8	353.8	344.8	349.3	350.8
27.5°	332.8	332.8	338.8	344.8	343.3	338.8	334.3	322.4	320.9	325.3	329.8
30°	308.9	301.4	298.4	293.9	292.4	290.9	295.4	295.4	298.4	304.4	308.9
32.5°	287.9	272.9	259.4	245.9	238.4	244.4	256.4	266.9	277.4	286.4	290.9
35°	263.9	239.9	217.4	199.4	187.4	196.4	215.9	235.4	253.4	265.4	272.9
37.5°	239.9	205.4	178.4	155.9	146.9	154.4	175.4	202.4	229.4	244.4	254.9
40°	214.4	170.9	139.4	121.4	112.4	119.9	140.9	167.9	203.9	223.4	236.9
42.5°	188.9	140.9	112.4	94.5	90.0	94.5	110.9	137.9	176.9	200.9	218.9
45°	163.4	116.9	90.0	76.5	72.0	76.5	90.0	112.4	151.4	178.4	199.4
47.5°	140.9	99.0	75.0	63.0	60.0	64.5	75.0	94.5	127.4	154.4	178.4
50°	122.9	87.0	64.5	54.0	51.0	55.5	64.5	79.5	108.0	131.9	157.4
52.5°	110.9	81.0	57.0	46.5	45.0	48.0	55.5	67.5	91.5	112.4	136.4
55°	108.0	81.0	52.5	42.0	40.5	43.5	49.5	58.5	79.5	97.5	118.4
57.5°	110.9	87.0	49.5	36.0	34.5	37.5	43.5	51.0	69.0	84.0	103.5
60°	110.9	88.5	43.5	28.5	27.0	30.0	36.0	45.0	61.5	73.5	90.0
62.5°	100.5	81.0	36.0	22.5	19.5	22.5	30.0	37.5	54.0	66.0	79.5
65°	87.0	69.0	30.0	16.5	13.5	16.5	24.0	31.5	46.5	57.0	72.0
67.5°	70.5	52.5	22.5	12.0	9.0	12.0	18.0	25.5	39.0	49.5	64.5
70°	52.5	37.5	18.0	10.5	9.0	10.5	16.5	24.0	34.5	45.0	60.0
72.5°	39.0	25.5	15.0	10.5	7.5	10.5	15.0	22.5	33.0	43.5	57.0
75°	33.0	21.0	13.5	9.0	7.5	9.0	13.5	21.0	30.0	40.5	54.0
77.5°	31.5	19.5	12.0	7.5	6.0	7.5	12.0	18.0	27.0	37.5	52.5
80°	27.0	16.5	10.5	6.0	4.5	6.0	10.5	15.0	21.0	28.5	40.5
82.5°	21.0	13.5	7.5	3.0	1.5	3.0	7.5	9.0	13.5	16.5	24.0
85°	13.5	7.5	3.0	0.0	0.0	0.0	3.0	6.0	6.0	7.5	12.0
87.5°	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.5
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: P642005
 CATALOG NUMBER: GWS-SA6C-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7	674.7
2.5°	632.7	634.2	637.2	641.7	652.2	661.2	670.2	682.2	688.2	688.2
5°	572.7	574.2	575.7	581.7	596.7	608.7	628.2	652.2	664.2	667.2
7.5°	526.3	529.3	532.3	536.8	551.7	568.2	593.7	638.7	661.2	665.7
10°	499.3	503.8	509.8	518.8	532.3	550.2	593.7	674.7	712.2	719.7
12.5°	478.3	485.8	491.8	502.3	518.8	547.2	634.2	776.6	842.6	860.6
15°	457.3	466.3	475.3	485.8	503.8	557.7	712.2	959.6	1069.0	1082.5
17.5°	436.3	446.8	458.8	470.8	493.3	583.2	835.1	1212.9	1365.9	1395.9
20°	412.3	425.8	442.3	457.3	482.8	623.7	1006.0	1514.3	1706.2	1770.7
22.5°	386.8	403.3	422.8	442.3	470.8	673.2	1212.9	1838.2	2106.5	2148.5
25°	365.8	382.3	400.3	419.8	451.3	733.2	1463.3	2240.0	2484.4	2524.8
27.5°	346.3	362.8	379.3	397.3	431.8	811.1	1764.7	2667.3	2922.2	2964.1
30°	325.3	344.8	361.3	379.3	413.8	907.1	2112.5	3141.0	3382.4	3421.4
32.5°	307.4	326.8	343.3	361.3	400.3	1012.0	2478.4	3560.9	3757.3	3757.3
35°	292.4	313.4	325.3	349.3	389.8	1079.5	2824.7	3961.2	4109.6	4103.6
37.5°	275.9	301.4	310.4	326.8	376.3	1087.0	3150.0	4384.0	4493.4	4454.4
40°	259.4	286.4	299.9	308.9	361.3	1025.5	3506.9	4772.3	4865.3	4814.3
42.5°	244.4	265.4	284.9	295.4	352.3	917.6	3793.2	5187.6	5298.6	5253.6
45°	229.4	247.4	259.4	278.9	358.3	842.6	4039.1	5671.9	5866.8	5833.8
47.5°	214.4	229.4	236.9	266.9	398.8	808.1	4189.1	6421.5	6788.9	6761.9
50°	197.9	215.9	215.9	263.9	458.8	820.1	4319.5	7507.0	8075.3	8066.3
52.5°	181.4	200.9	197.9	286.4	505.3	875.6	4467.9	8465.1	9453.1	9535.6
55°	164.9	182.9	185.9	331.3	532.3	923.6	3893.7	8868.4	10630.1	10919.5
57.5°	146.9	157.4	193.4	365.8	523.3	1063.0	2667.3	8941.9	11381.2	12002.0
60°	127.4	136.4	218.9	358.3	494.8	982.0	1679.2	8282.2	11274.8	12061.9
62.5°	110.9	125.9	230.9	316.4	503.8	851.6	1070.5	7058.7	10259.8	11157.8
65°	97.5	121.4	209.9	286.4	509.8	577.2	722.7	5742.3	9268.7	10123.3
67.5°	87.0	134.9	172.4	254.9	437.8	406.3	496.3	4461.9	7793.4	8559.5
70°	79.5	137.9	140.9	218.9	338.8	260.9	326.8	3003.1	5372.0	6247.6
72.5°	72.0	102.0	106.5	175.4	218.9	158.9	211.4	1718.2	3916.2	4512.9
75°	69.0	69.0	73.5	113.9	121.4	115.4	136.4	1025.5	2808.2	3244.5
77.5°	64.5	52.5	46.5	73.5	66.0	82.5	81.0	455.8	1217.4	1316.4
80°	51.0	37.5	31.5	46.5	45.0	55.5	48.0	37.5	55.5	54.0
82.5°	31.5	24.0	22.5	28.5	25.5	28.5	22.5	6.0	6.0	6.0
85°	15.0	13.5	12.0	12.0	13.5	12.0	9.0	3.0	1.5	1.5
87.5°	7.5	7.5	6.0	4.5	6.0	6.0	4.5	1.5	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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