

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: P632321

Luminaire Tested: GWS-SA2C-740-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632321
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-SA2C-740-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5603.8 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

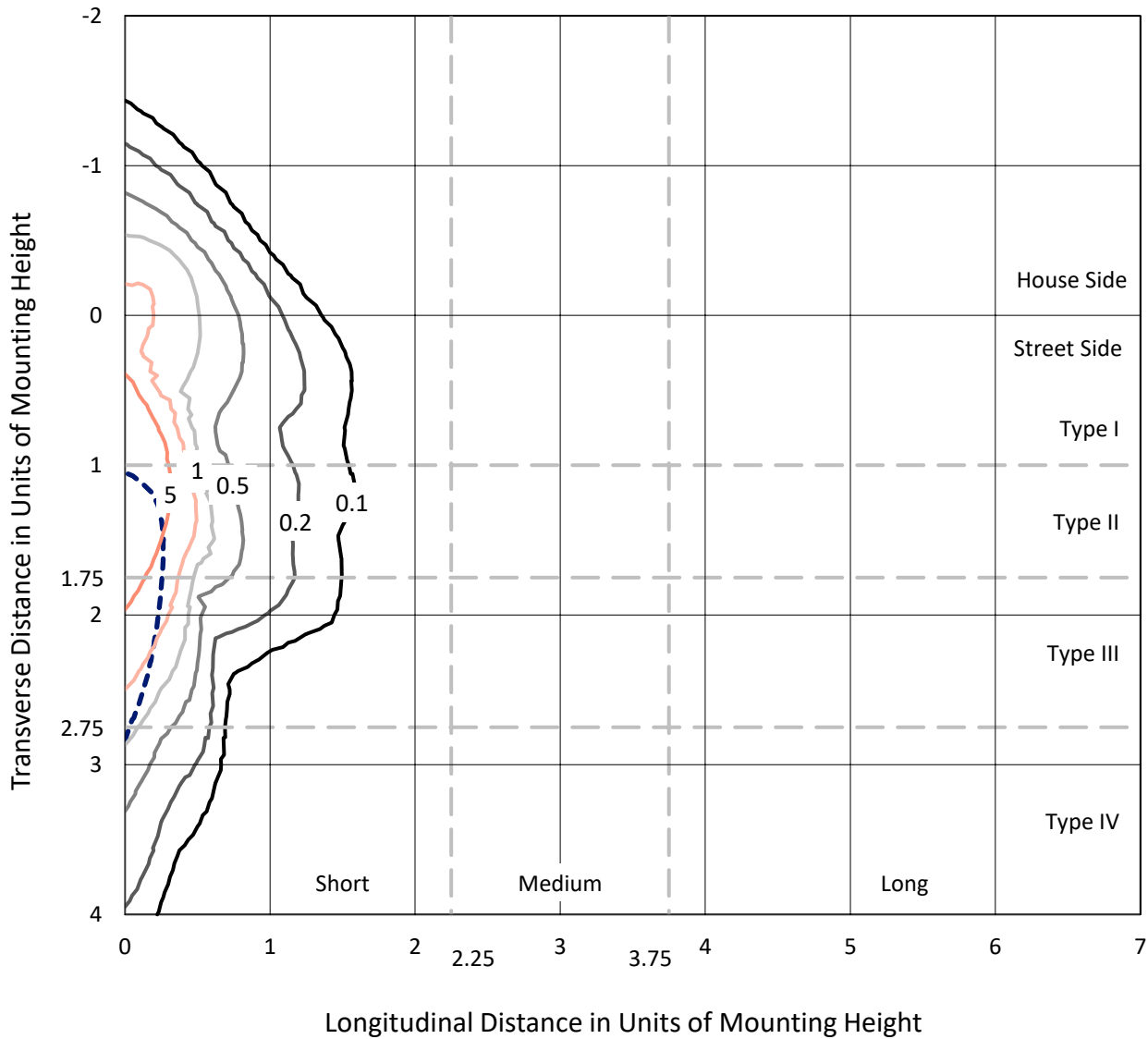
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632321
 CATALOG NUMBER: GWS-SA2C-740-U-SLL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

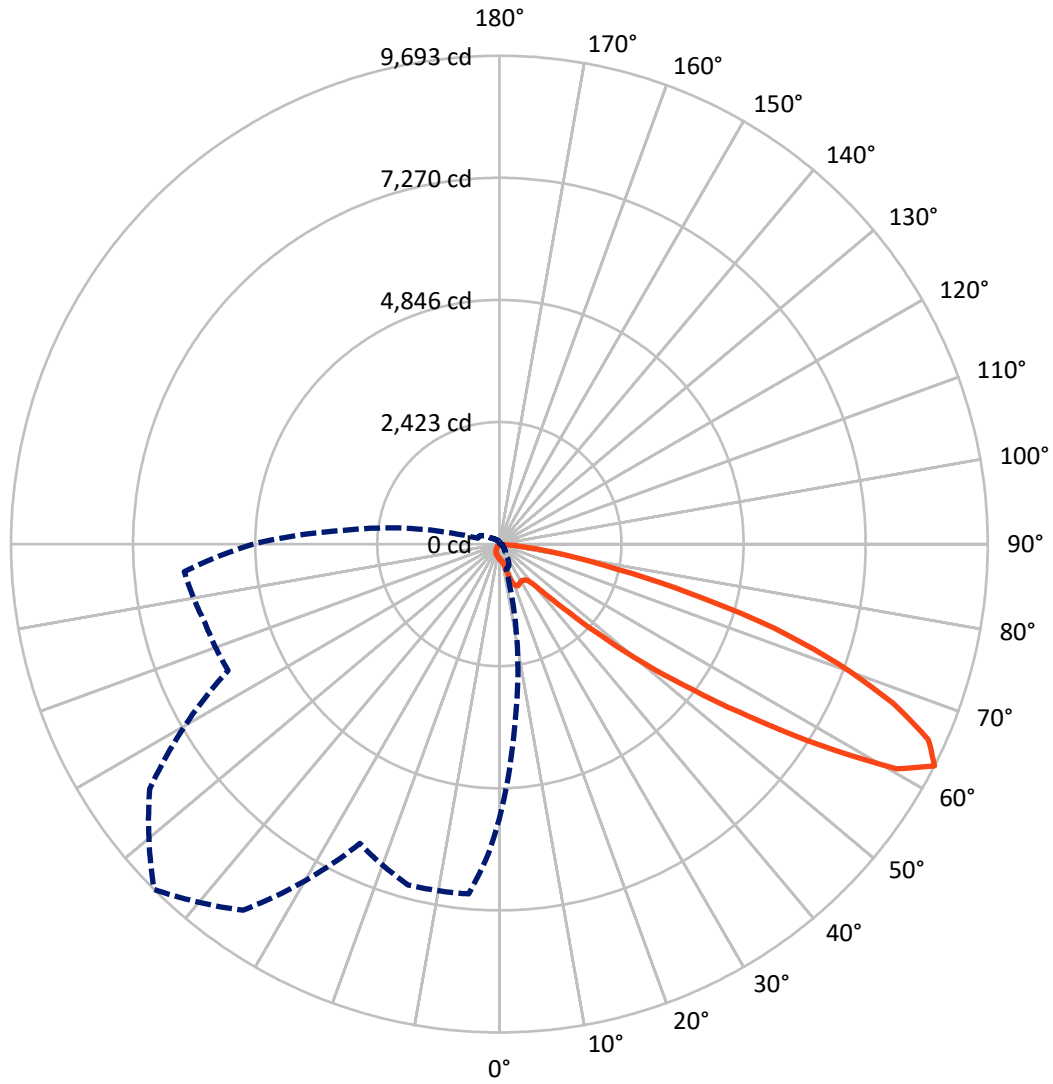
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P632321
CATALOG NUMBER: GWS-SA2C-740-U-SLL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632321

CATALOG NUMBER: GWS-SA2C-740-U-SLL-W-HSS

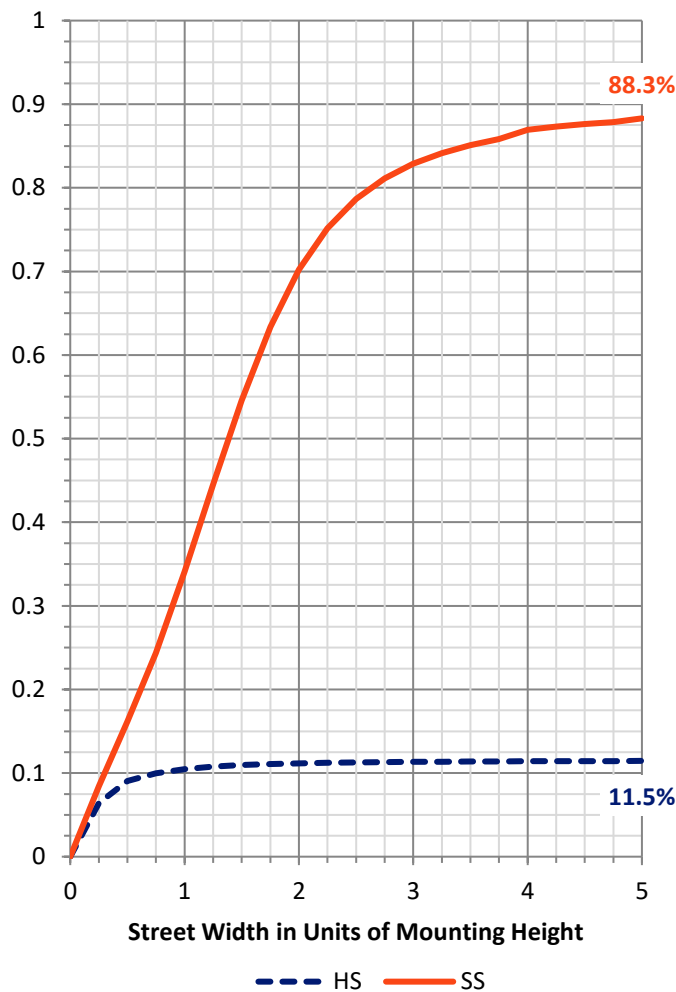
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	651.1	0.0	651.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	4952.7	0.0	4952.7
	% Fixture	88.4	0.0	88.4
Total	Lumens	5603.8	0.0	5603.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	0.4
10°-20°	86.0	1.5
20°-30°	194.3	3.5
30°-40°	334.8	6.0
40°-50°	631.5	11.3
50°-60°	1410.0	25.2
60°-70°	1885.8	33.7
70°-80°	945.7	16.9
80°-90°	90.6	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°	5603.8	100.0
0°-180°	5603.8	100.0

Coefficient of Utilization



REPORT NUMBER: P632321

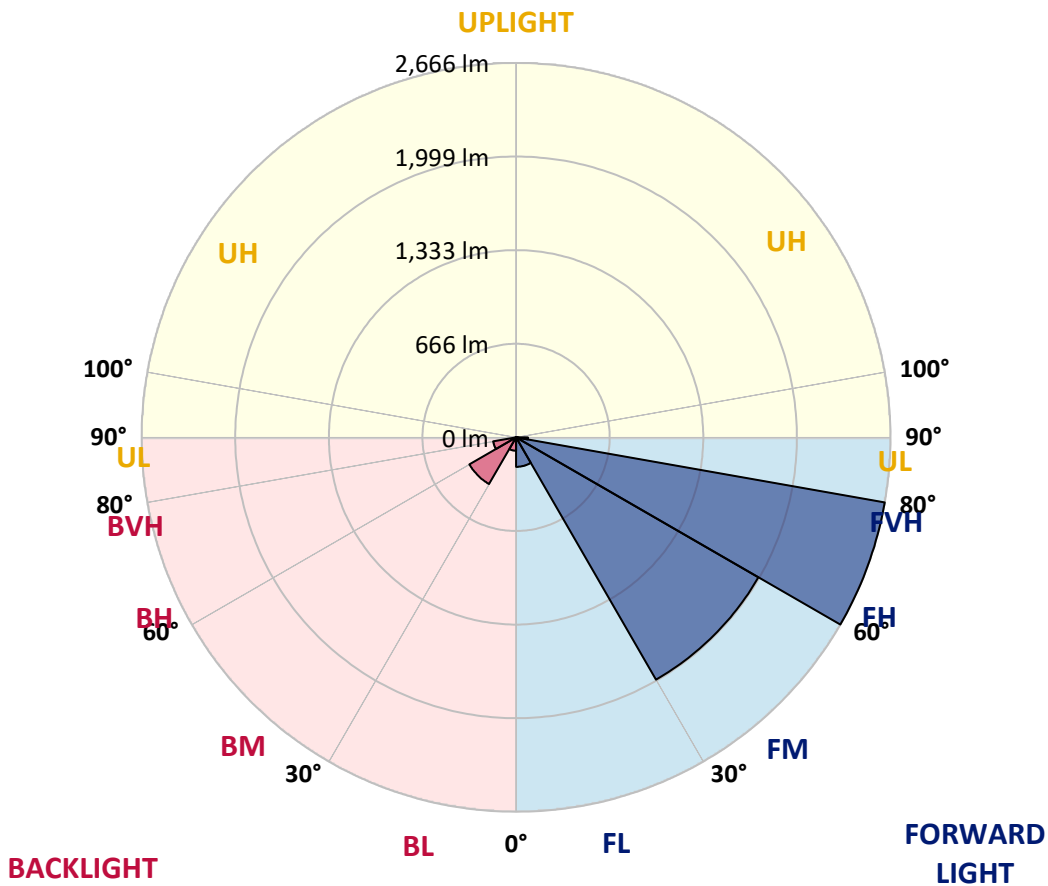
CATALOG NUMBER: GWS-SA2C-740-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.9	3.7			
FM (30°-60°)	1992.3	35.6			
FH (60°-80°)	2665.9	47.6			G2/5000
FVH (80°-90°)	84.6	1.5			G1/100
BL (0°-30°)	95.6	1.7	B0/110		
BM (30°-60°)	383.9	6.9	B1/1000		
BH (60°-80°)	165.6	3.0	B1/500		G1/500
BVH (80°-90°)	6.0	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-G2

Type III Short





REPORT NUMBER: P632321

CATALOG NUMBER: GWS-SA2C-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6
2.5°	287.3	286.6	285.3	281.3	278.0	276.0	272.0	272.0	271.4	270.1	267.4
5°	278.0	275.4	272.7	265.4	257.4	252.8	247.5	246.8	246.8	245.5	244.8
7.5°	263.4	260.8	257.4	245.5	238.2	233.6	228.9	228.3	226.3	226.3	226.3
10°	255.5	251.5	246.2	232.9	225.6	221.6	218.3	216.3	215.0	213.0	212.3
12.5°	272.7	265.4	254.1	230.2	220.3	215.0	211.0	209.7	205.7	203.0	201.0
15°	326.5	308.5	286.0	236.2	218.3	210.3	205.0	202.4	199.1	194.4	191.1
17.5°	414.7	388.8	351.0	255.5	216.3	206.4	199.7	195.1	190.4	185.1	181.1
20°	536.8	498.3	453.2	290.6	216.3	201.7	193.7	187.8	181.1	175.2	170.5
22.5°	692.0	653.6	576.6	350.3	219.0	195.7	186.4	178.5	170.5	165.2	159.9
25°	865.9	811.5	739.8	422.7	226.3	187.8	177.8	169.9	162.6	155.9	150.0
27.5°	1059.6	1000.6	905.0	525.5	242.2	179.8	168.5	161.2	154.6	148.0	140.0
30°	1238.1	1203.0	1105.4	648.9	268.1	174.5	161.2	154.6	148.0	139.3	132.0
32.5°	1452.4	1390.1	1309.8	789.6	302.6	169.2	155.3	146.0	140.7	132.7	124.7
35°	1668.1	1615.0	1509.5	962.8	341.0	163.9	148.0	139.3	134.7	125.4	116.8
37.5°	1890.4	1878.4	1774.2	1154.5	378.9	157.9	139.3	134.0	129.4	118.8	108.8
40°	2109.3	2087.4	1991.2	1373.5	402.1	151.3	132.0	128.7	123.4	111.5	100.2
42.5°	2319.0	2302.4	2208.9	1583.2	398.8	145.3	124.7	120.8	116.8	104.8	90.9
45°	2576.4	2549.2	2431.1	1738.4	364.9	151.9	117.4	110.8	110.1	98.9	81.6
47.5°	3058.2	2968.6	2768.2	1857.9	331.1	169.2	109.5	101.5	106.2	92.9	72.3
50°	3733.0	3627.5	3337.5	1950.7	330.4	191.8	108.2	92.9	102.8	88.2	64.4
52.5°	4411.1	4225.3	3873.0	2000.5	355.0	208.3	120.1	84.3	98.9	83.6	58.4
55°	5060.7	4675.2	4097.2	1836.0	374.2	226.3	142.0	79.6	91.6	78.3	55.1
57.5°	5679.7	5036.8	4194.8	1452.4	438.6	233.6	155.3	81.6	80.9	71.7	52.4
60°	5764.6	5019.5	3997.7	844.7	483.7	221.0	150.0	90.9	71.0	63.7	47.8
62.5°	5443.5	4685.8	3548.5	526.8	449.2	216.3	133.4	103.5	64.4	56.4	41.8
65°	4955.8	4162.3	2958.6	339.7	340.4	240.2	116.8	101.5	60.4	49.8	35.8
67.5°	4193.4	3483.5	2330.9	227.6	192.4	205.0	102.2	69.7	59.1	42.5	27.9
70°	3060.8	2479.6	1517.5	151.9	114.8	163.9	85.6	49.8	55.7	35.2	19.9
72.5°	2237.4	1666.1	847.3	99.5	65.0	95.5	63.0	35.8	43.1	25.9	13.9
75°	1610.4	1146.6	483.7	63.7	43.1	52.4	41.1	24.6	27.9	20.6	12.6
77.5°	775.0	558.7	219.6	35.2	29.2	26.5	21.9	15.3	17.3	18.6	11.3
80°	29.2	21.9	16.6	17.3	18.6	11.9	10.0	8.0	10.0	12.6	6.0
82.5°	0.0	0.0	0.0	2.0	2.7	3.3	4.0	3.3	4.0	4.6	0.7
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: P632321
 CATALOG NUMBER: GWS-SA2C-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6
2.5°	269.4	268.1	269.4	270.7	272.0	273.4	271.4	272.7	274.0	270.7	272.0
5°	248.2	247.5	251.5	253.5	256.1	257.4	256.1	256.1	255.5	251.5	251.5
7.5°	229.6	230.2	233.6	238.2	241.5	243.5	242.2	241.5	239.5	233.6	233.6
10°	215.6	215.6	221.0	224.9	229.6	231.6	230.2	228.3	226.3	220.3	219.6
12.5°	204.4	204.4	208.3	215.0	220.3	222.9	222.3	219.6	216.3	210.3	209.7
15°	193.7	193.1	199.1	205.0	212.3	215.6	214.3	212.3	206.4	201.0	199.7
17.5°	183.1	182.5	187.8	195.7	203.7	208.3	207.7	203.0	197.7	191.1	189.8
20°	172.5	171.2	177.8	185.8	193.7	198.4	197.1	193.1	186.4	179.8	178.5
22.5°	161.9	161.2	165.9	172.5	179.8	183.8	183.1	179.8	173.2	167.2	167.2
25°	150.0	150.0	153.3	157.9	163.2	165.2	165.9	164.6	160.6	157.3	157.3
27.5°	140.0	138.0	139.3	140.7	143.3	146.6	146.6	148.0	148.6	147.3	148.0
30°	132.0	128.7	126.7	124.1	122.8	124.1	125.4	130.0	134.7	137.3	138.7
32.5°	122.8	118.8	113.5	106.2	101.5	100.2	104.2	112.8	121.4	127.4	130.7
35°	113.5	108.2	98.2	87.6	81.6	79.6	84.3	94.2	106.8	117.4	122.1
37.5°	104.2	96.9	82.9	70.3	63.7	62.4	67.0	77.6	92.2	106.8	112.8
40°	93.6	84.9	68.3	55.1	49.8	48.4	52.4	63.0	78.3	94.9	104.2
42.5°	82.9	72.3	55.1	43.8	38.5	38.5	43.8	51.8	65.7	83.6	94.9
45°	72.3	61.0	45.1	35.2	31.8	32.5	35.8	43.8	55.1	73.7	84.3
47.5°	62.4	52.4	37.2	29.2	26.5	27.2	31.2	37.8	47.1	63.7	75.0
50°	53.7	44.5	32.5	24.6	22.6	23.9	27.9	33.8	41.8	56.4	65.7
52.5°	48.4	39.8	29.9	21.2	19.9	21.2	25.2	30.5	37.8	49.8	59.1
55°	45.8	39.1	29.9	19.2	17.3	18.6	22.6	27.9	33.8	45.1	53.1
57.5°	45.1	40.5	31.8	17.3	14.6	15.9	19.9	25.2	31.2	41.1	47.8
60°	42.5	38.5	31.2	13.9	11.3	13.3	16.6	21.9	28.5	38.5	44.5
62.5°	37.2	33.8	27.2	11.3	8.6	10.0	13.9	19.2	25.9	35.2	41.8
65°	30.5	27.2	21.2	7.3	5.3	6.6	10.6	16.6	22.6	31.8	37.8
67.5°	22.6	19.2	14.6	4.6	2.7	4.6	8.6	13.9	20.6	28.5	34.5
70°	13.9	11.3	8.0	2.7	2.0	4.0	8.0	13.3	18.6	26.5	32.5
72.5°	8.0	5.3	3.3	1.3	2.0	4.0	8.0	13.3	17.9	25.2	30.5
75°	6.0	3.3	1.3	0.7	1.3	3.3	7.3	11.9	17.3	23.9	29.2
77.5°	4.0	2.0	0.7	0.0	0.7	2.7	6.6	11.3	15.9	22.6	27.9
80°	0.7	0.0	0.0	0.0	0.0	2.0	6.0	10.0	14.6	19.9	24.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	4.6	8.6	12.6	16.6	19.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	6.6	10.0	12.6	13.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.6	8.0	9.3
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: P632321
 CATALOG NUMBER: GWS-SA2C-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6
2.5°	271.4	275.4	275.4	278.0	281.3	287.3	290.6	295.3	298.6	301.9	303.2
5°	250.8	251.5	252.1	253.5	257.4	264.1	270.1	277.4	286.0	292.6	296.6
7.5°	233.6	233.6	233.6	235.5	239.5	244.2	250.1	260.1	270.1	278.0	284.6
10°	219.0	221.0	221.6	224.9	229.6	235.5	242.2	250.8	262.1	272.7	284.6
12.5°	209.7	211.7	215.0	218.3	222.9	229.6	236.9	248.2	271.4	293.3	318.5
15°	201.0	203.7	207.7	212.3	217.6	224.9	232.9	256.1	310.5	351.7	391.5
17.5°	191.8	195.7	201.0	205.7	212.3	220.3	230.2	275.4	382.2	450.5	518.2
20°	179.8	185.1	191.1	198.4	206.4	215.6	230.2	315.2	485.7	583.9	673.5
22.5°	168.5	173.8	181.1	190.4	199.7	209.0	233.6	375.6	619.1	743.1	856.6
25°	159.2	165.9	173.2	181.1	191.8	202.4	241.5	460.5	779.6	939.5	1019.8
27.5°	150.6	158.6	165.9	172.5	181.8	193.7	259.4	573.9	969.4	1132.0	1195.0
30°	142.0	151.3	158.6	165.2	174.5	187.1	286.6	718.6	1180.4	1338.3	1345.0
32.5°	134.7	143.3	151.9	158.6	167.2	181.8	324.5	887.8	1396.7	1549.3	1486.9
35°	126.7	136.7	144.6	151.9	161.2	177.2	368.3	1070.3	1615.0	1743.1	1628.3
37.5°	118.8	130.0	140.0	145.3	154.6	172.5	400.1	1260.7	1837.9	1932.2	1752.4
40°	111.5	124.1	135.4	140.7	145.3	166.5	404.7	1455.8	2064.2	2118.6	1869.1
42.5°	103.5	117.4	127.4	134.7	138.7	162.6	376.9	1620.3	2254.0	2304.4	2021.7
45°	94.9	111.5	119.4	124.7	132.7	165.2	341.0	1747.7	2470.9	2557.9	2273.2
47.5°	86.3	104.8	111.5	115.5	126.1	181.1	327.8	1832.6	2828.6	3009.1	2697.2
50°	78.3	98.9	106.2	105.5	124.7	201.7	342.4	1897.0	3366.0	3578.4	3278.4
52.5°	69.7	92.2	100.9	98.2	134.7	217.6	371.6	1948.1	3779.4	4245.9	4059.4
55°	62.4	84.9	92.9	92.2	153.3	229.6	394.1	1678.7	3950.6	4866.2	4939.2
57.5°	57.1	77.0	83.6	94.9	165.2	229.6	455.8	1191.7	3953.9	5322.7	6107.0
60°	52.4	69.7	74.3	104.2	160.6	217.6	451.2	729.9	3644.0	5291.6	6728.1
62.5°	48.4	63.0	69.0	106.8	142.0	215.6	407.4	452.5	3107.9	4888.8	6277.5
65°	45.1	57.7	66.4	98.2	128.7	230.9	274.7	325.1	2520.7	4429.6	5760.7
67.5°	41.8	53.1	70.3	80.3	116.8	206.4	198.4	230.9	1978.6	3926.0	5286.3
70°	39.1	50.4	74.3	65.7	102.2	161.2	140.7	175.2	1514.8	3275.8	4618.1
72.5°	37.2	47.1	62.4	51.8	82.9	124.7	98.2	127.4	990.0	2557.2	3764.8
75°	35.2	43.1	45.8	41.8	61.7	81.6	74.3	85.6	589.9	1869.1	2856.4
77.5°	34.5	40.5	37.2	33.8	41.8	48.4	56.4	57.7	288.0	934.9	1496.9
80°	30.5	36.5	31.8	27.9	28.5	31.8	41.8	38.5	65.7	237.5	399.4
82.5°	23.9	28.5	26.5	23.2	23.2	23.2	27.9	25.9	21.2	106.8	180.5
85°	16.6	19.9	19.9	18.6	17.9	17.9	17.3	16.6	6.0	6.6	10.0
87.5°	11.3	13.9	14.6	13.9	11.9	10.6	9.3	8.0	2.7	0.0	1.3
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: P632321

CATALOG NUMBER: GWS-SA2C-740-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6	290.6
2.5°	307.9	309.9	309.9	307.2	305.2	299.9	294.6	289.3	288.0	287.3
5°	307.9	315.8	319.8	319.2	314.5	305.9	294.6	282.7	279.3	278.0
7.5°	303.2	318.5	330.4	332.4	323.8	308.5	288.0	270.1	265.4	263.4
10°	313.8	343.7	367.6	370.9	361.0	331.1	297.9	267.4	260.1	255.5
12.5°	370.9	420.0	449.2	463.1	443.9	406.1	351.0	296.6	280.0	272.7
15°	486.4	556.0	611.8	611.8	593.8	526.8	457.2	368.9	346.4	326.5
17.5°	634.3	721.9	771.0	765.7	738.5	691.4	607.8	481.1	435.3	414.7
20°	802.9	855.3	866.6	863.2	851.3	824.1	766.4	630.3	568.6	536.8
22.5°	948.8	934.9	918.3	905.0	901.7	909.7	901.7	796.9	748.4	692.0
25°	1047.7	968.7	919.0	895.1	906.4	952.1	1001.9	962.8	924.3	865.9
27.5°	1101.4	964.8	893.1	868.5	887.8	952.8	1061.0	1127.3	1087.5	1059.6
30°	1130.6	961.4	876.5	852.6	881.8	963.4	1102.1	1281.3	1282.6	1238.1
32.5°	1172.4	982.7	879.8	857.9	897.1	995.3	1153.9	1437.8	1476.3	1452.4
35°	1219.5	1015.2	895.1	875.2	923.6	1037.7	1211.6	1595.8	1676.0	1668.1
37.5°	1264.0	1051.7	930.9	911.7	964.1	1074.2	1267.3	1751.0	1862.5	1890.4
40°	1310.4	1102.8	1041.1	1059.6	1088.8	1132.0	1317.1	1885.7	2067.5	2109.3
42.5°	1419.9	1279.9	1374.1	1409.3	1413.3	1324.4	1425.9	2058.2	2269.2	2319.0
45°	1664.1	1595.1	1865.2	1914.9	1889.0	1619.6	1688.0	2307.1	2551.2	2576.4
47.5°	1972.6	2004.5	2537.3	2709.1	2553.9	1968.0	2005.8	2830.6	3067.4	3058.2
50°	2332.3	2482.9	3300.3	3705.8	3334.2	2420.5	2372.1	3474.2	3761.5	3733.0
52.5°	2757.6	3038.9	4217.3	4793.3	4441.6	2929.4	2909.5	4326.8	4502.0	4411.1
55°	3293.0	3575.7	5272.3	6077.2	5576.9	3550.5	3618.8	5315.4	5349.3	5060.7
57.5°	4091.9	4275.7	6515.8	7549.5	6761.9	4394.5	4890.1	6631.2	6226.5	5679.7
60°	5542.4	5176.1	7717.4	9055.7	8022.6	5581.5	6566.8	7410.8	6518.4	5764.6
62.5°	6047.3	5940.5	8469.8	9692.7	8870.6	6556.2	7002.8	6968.9	6140.2	5443.5
65°	5282.3	5750.1	8335.1	9356.3	8761.8	6395.7	6284.2	6481.2	5714.2	4955.8
67.5°	4879.5	5302.8	7824.9	8428.0	8158.6	5850.9	5601.4	5547.7	4797.2	4193.4
70°	4473.4	4892.8	7085.1	7160.0	7034.6	4963.1	4635.3	4275.0	3585.7	3060.8
72.5°	3985.1	4216.0	6058.6	5702.9	5560.9	3898.2	3829.2	3219.4	2687.9	2237.4
75°	3475.5	3408.5	4723.6	3914.1	4020.3	3032.9	3234.0	2364.1	1969.3	1610.4
77.5°	2528.0	2478.2	3163.7	2377.4	2632.8	1986.6	1784.9	943.5	898.4	775.0
80°	1410.6	1700.6	1708.6	1332.3	1662.1	1295.2	446.5	31.2	19.9	29.2
82.5°	655.6	731.2	926.3	617.7	948.2	641.6	92.2	0.0	0.0	0.0
85°	212.3	310.5	260.1	90.9	229.6	217.0	15.3	0.0	0.0	0.0
87.5°	12.6	25.9	6.6	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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