

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: P634580

Luminaire Tested: GWS-SA3C-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634580
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-SA3C-722-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6376.7 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

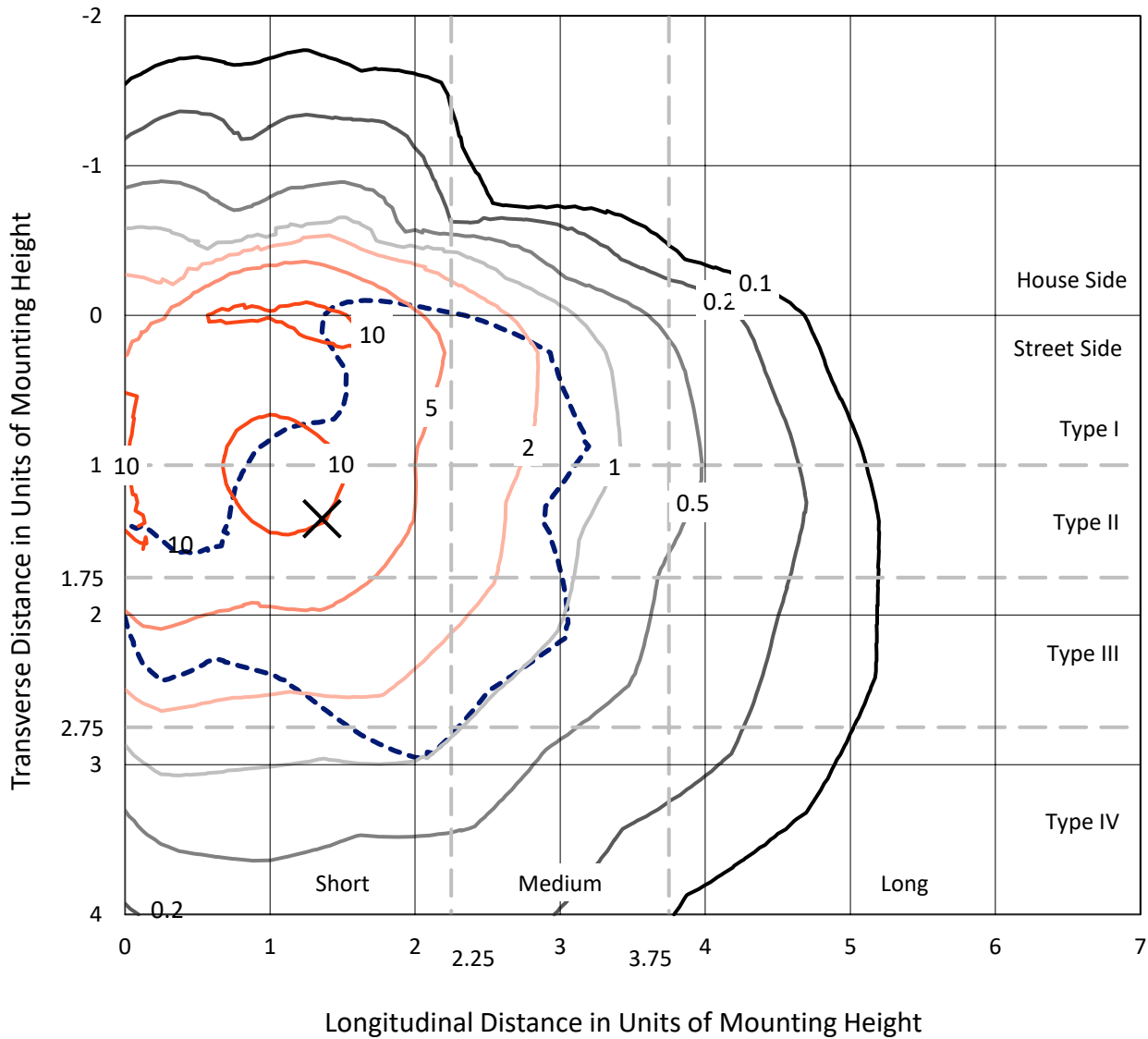
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

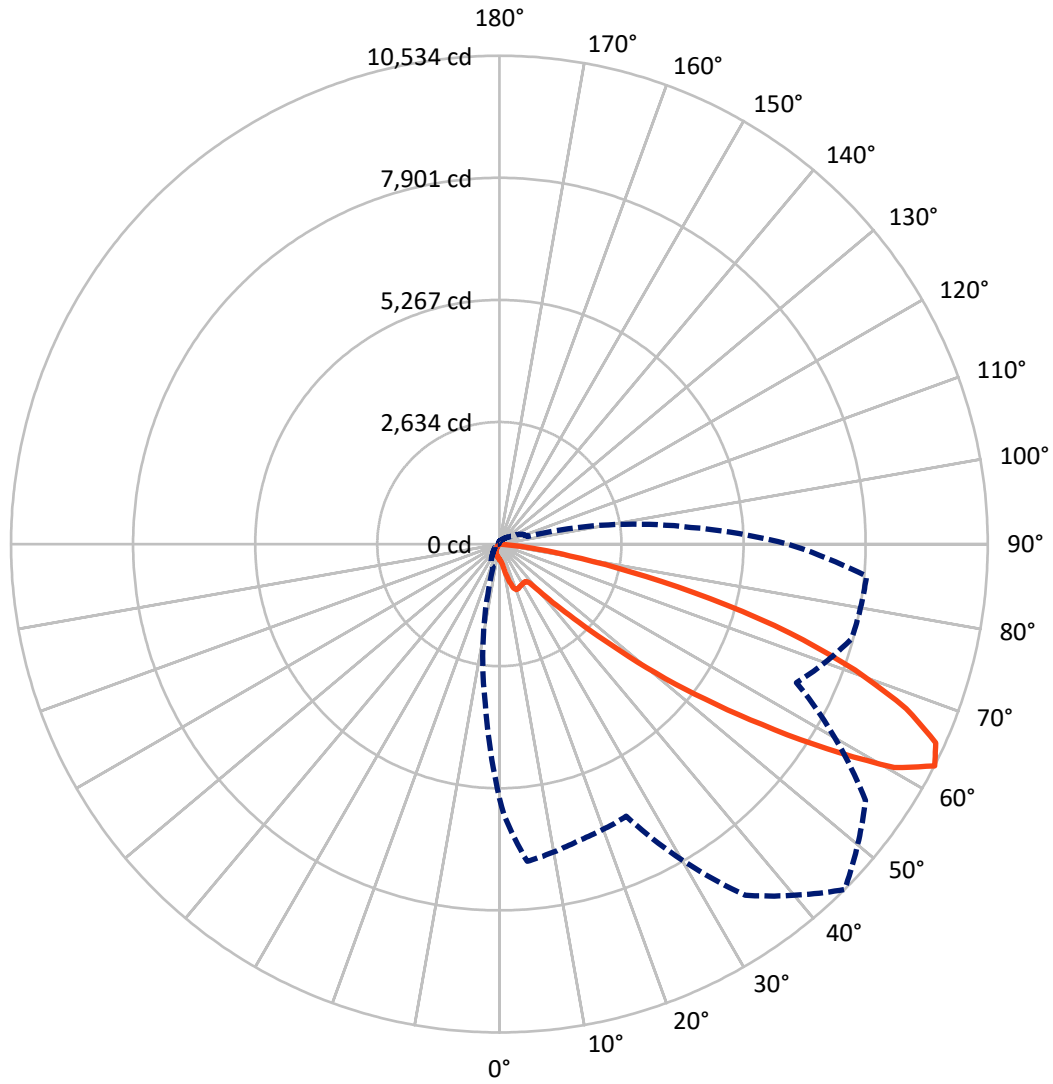
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	786.9	0.0	786.9
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	5589.8	0.0	5589.8
	% Fixture	87.7	0.0	87.7
Total	Lumens	6376.7	0.0	6376.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	0.5
10°-20°	111.2	1.7
20°-30°	241.7	3.8
30°-40°	396.7	6.2
40°-50°	729.2	11.4
50°-60°	1566.0	24.6
60°-70°	2103.4	33.0
70°-80°	1095.3	17.2
80°-90°	103.8	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°	6376.7	100.0
0°-180°	6376.7	100.0

Coefficient of Utilization

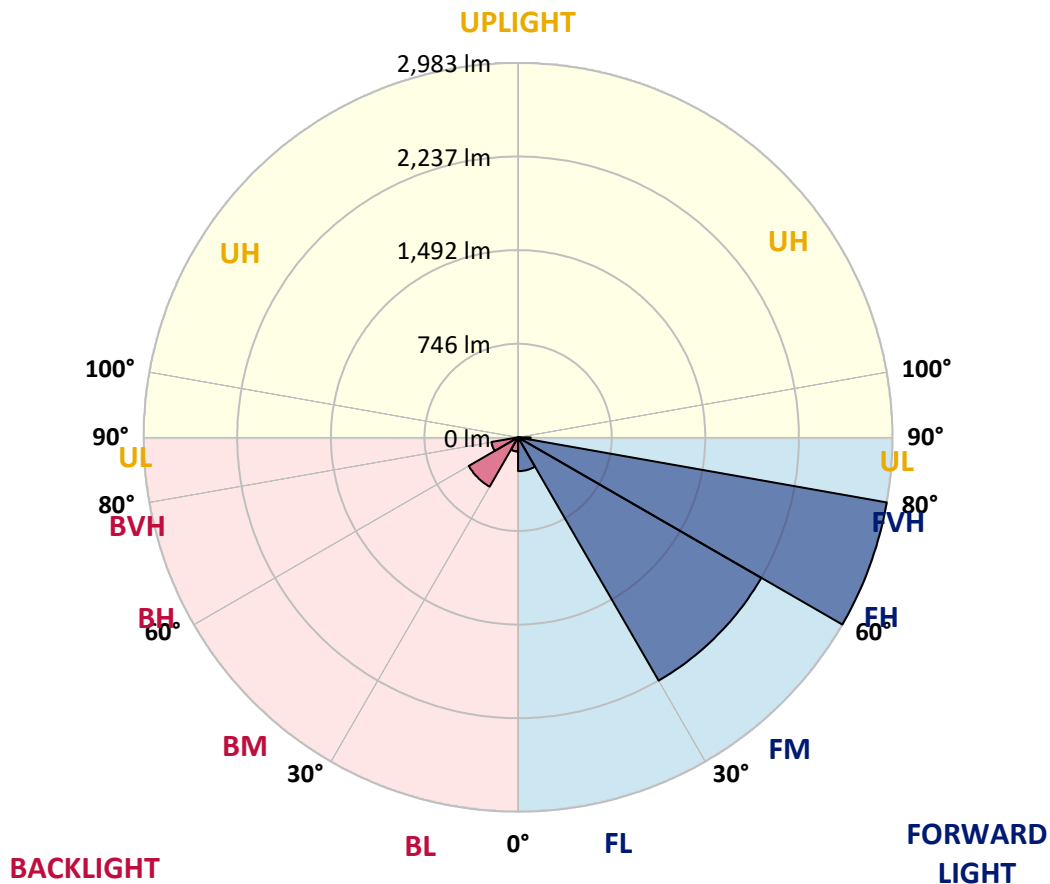


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.4	4.2			
FM (30°-60°)	2238.1	35.1			
FH (60°-80°)	2983.1	46.8			G2/5000
FVH (80°-90°)	99.2	1.6			G1/100
BL (0°-30°)	112.9	1.8	B1/500		
BM (30°-60°)	453.8	7.1	B1/1000		
BH (60°-80°)	215.6	3.4	B1/500		G1/500
BVH (80°-90°)	4.6	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
2.5°	338.1	339.6	341.0	346.2	349.9	352.8	353.6	351.3	346.2	341.0	333.7
5°	327.8	329.2	334.4	348.4	362.4	373.4	377.1	374.9	362.4	346.2	329.2
7.5°	327.0	330.0	342.5	372.0	402.2	425.0	430.9	425.7	402.2	369.8	335.1
10°	353.6	358.7	377.1	430.2	485.4	525.9	542.1	520.0	482.5	423.5	366.8
12.5°	422.8	431.6	467.0	544.3	629.8	683.5	705.6	678.4	619.5	534.0	444.1
15°	531.8	545.1	598.1	713.7	814.6	862.5	869.9	854.4	785.9	691.6	570.8
17.5°	685.7	704.9	787.4	905.2	978.2	995.1	992.9	976.7	926.6	861.8	747.6
20°	869.9	892.7	973.7	1071.0	1078.3	1058.4	1047.4	1037.8	1020.9	1009.8	920.7
22.5°	1055.5	1083.5	1168.2	1192.5	1126.2	1068.8	1041.5	1048.9	1073.9	1128.4	1092.3
25°	1240.4	1266.9	1346.4	1280.9	1148.3	1052.6	1017.9	1035.6	1095.3	1213.1	1259.5
27.5°	1456.2	1476.1	1523.2	1341.3	1152.0	1039.3	1005.4	1032.7	1105.6	1266.2	1442.9
30°	1680.8	1692.6	1669.8	1357.5	1139.5	1019.4	992.9	1032.7	1123.3	1301.5	1580.7
32.5°	1845.8	1848.0	1773.7	1359.0	1132.8	1003.2	981.1	1028.2	1140.2	1331.0	1714.0
35°	2016.0	2004.9	1873.1	1381.1	1150.5	1009.1	989.9	1040.8	1166.7	1365.6	1831.1
37.5°	2188.3	2168.5	1984.3	1417.2	1196.2	1073.2	1061.4	1104.8	1209.4	1413.5	1960.0
40°	2365.1	2337.9	2100.0	1471.7	1297.8	1291.2	1331.7	1326.6	1326.6	1474.6	2092.6
42.5°	2580.9	2549.3	2270.8	1625.6	1535.0	1683.1	1793.5	1725.0	1598.3	1615.3	2264.9
45°	2866.0	2838.7	2566.9	1920.2	1907.0	2247.3	2396.1	2260.5	1945.3	1940.1	2552.9
47.5°	3321.9	3316.8	3039.1	2262.0	2362.2	2965.4	3252.7	2991.9	2340.8	2284.1	3098.0
50°	3962.7	3947.3	3627.6	2662.7	2903.5	3855.2	4367.8	3933.3	2818.8	2685.5	3827.9
52.5°	4684.6	4700.8	4451.8	3100.2	3478.8	4845.1	5558.9	5011.6	3338.1	3196.0	4746.4
55°	5364.4	5457.2	5391.7	3612.1	4040.8	5938.2	6867.0	6194.5	3981.1	3864.0	5776.2
57.5°	5896.2	6157.7	6617.3	4356.1	4701.5	7216.9	8327.6	7476.9	4731.7	4949.0	7177.8
60°	5925.7	6271.9	7339.1	5912.4	5551.5	8313.6	9786.0	8729.8	5911.7	6791.1	8276.1
62.5°	5481.5	5852.8	6869.2	6619.5	6477.4	9246.9	10534.4	9643.1	7072.5	7870.2	7950.5
65°	4973.3	5348.2	6344.8	5817.4	6369.8	9207.1	10344.3	9664.5	7177.8	7136.6	7367.9
67.5°	4205.1	4541.7	5444.0	5149.3	5871.2	8762.9	9466.4	9055.3	6612.9	6674.8	6777.9
70°	3069.3	3393.4	4230.8	4245.6	5127.2	7962.3	8133.9	8077.2	6089.9	6155.5	5860.9
72.5°	2217.1	2490.3	3212.9	3481.7	4093.1	6677.0	6558.4	6777.1	5225.2	5482.3	4707.4
75°	1593.9	1798.7	2357.0	3028.8	3244.6	4958.6	4694.9	5248.8	4192.5	4720.7	3539.2
77.5°	646.7	718.9	927.3	2040.3	2132.4	3335.9	2874.1	3812.5	2989.0	3101.7	1715.5
80°	26.5	29.5	38.3	1053.3	1462.1	1876.8	1538.0	2038.1	1974.0	1249.2	405.1
82.5°	2.9	2.9	6.6	303.5	640.1	1035.6	724.8	1174.1	999.5	529.6	184.1
85°	0.7	0.7	1.5	34.6	150.3	165.7	98.0	360.2	464.8	216.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	6.6	7.4	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
2.5°	333.7	330.0	325.6	321.1	318.9	313.0	310.8	309.4	307.9	308.6	308.6
5°	322.6	314.5	304.9	295.4	290.2	284.3	281.4	279.9	280.6	283.6	283.6
7.5°	321.1	305.7	285.1	272.5	266.6	262.2	259.3	257.8	258.5	262.2	263.7
10°	345.4	318.2	281.4	260.0	253.4	249.0	246.0	243.8	242.3	245.3	246.0
12.5°	397.7	360.2	299.0	258.5	246.7	240.9	238.6	234.2	232.0	233.5	234.2
15°	506.0	441.2	334.4	264.4	240.9	234.2	230.5	226.9	223.2	222.4	223.2
17.5°	647.4	554.6	388.2	278.4	236.4	228.3	223.2	218.0	212.9	212.1	211.4
20°	822.7	693.8	463.3	300.5	232.8	223.2	215.8	208.4	201.8	199.6	199.6
22.5°	982.6	861.8	559.8	327.8	227.6	215.8	207.0	198.1	190.8	187.1	186.4
25°	1177.8	1040.0	675.4	359.4	220.2	206.2	196.7	187.8	180.5	176.0	174.6
27.5°	1374.4	1227.9	806.5	400.7	211.4	196.7	187.8	179.7	171.6	166.5	165.0
30°	1565.2	1430.4	953.9	452.3	204.8	187.1	179.7	171.6	164.3	156.2	153.9
32.5°	1770.0	1637.4	1118.8	509.7	199.6	180.5	172.4	165.0	155.4	148.0	144.4
35°	1967.4	1851.0	1300.8	565.7	194.5	174.6	165.7	158.4	148.0	139.9	134.8
37.5°	2166.2	2068.3	1490.8	599.6	187.1	166.5	158.4	152.5	140.7	131.1	125.2
40°	2376.9	2292.9	1696.3	585.6	180.5	157.6	153.2	146.6	133.3	122.3	114.9
42.5°	2608.2	2507.3	1905.5	531.8	174.6	150.3	145.8	139.2	126.7	113.4	103.9
45°	2899.1	2742.2	2077.1	450.8	177.5	142.9	134.1	132.6	120.8	103.9	92.1
47.5°	3399.3	3103.2	2210.4	398.5	197.4	134.8	124.5	128.2	115.6	94.3	81.0
50°	4164.5	3701.2	2334.9	394.8	227.6	131.1	115.6	125.2	110.5	84.7	71.4
52.5°	4893.7	4308.9	2414.5	427.2	254.1	140.7	106.8	121.5	106.8	78.1	64.8
55°	5591.3	4659.5	2272.3	450.8	279.2	169.4	100.2	115.6	102.4	74.4	62.6
57.5°	6343.3	4815.7	1789.1	498.7	296.8	193.7	101.6	106.8	96.5	72.2	61.9
60°	6568.0	4616.1	1079.8	561.3	287.3	201.1	112.7	95.0	88.4	67.8	59.7
62.5°	6218.8	4142.5	637.1	511.2	279.2	190.0	128.9	87.7	80.3	61.9	55.2
65°	5696.6	3499.4	415.4	431.6	296.1	169.4	137.0	84.0	72.9	56.0	48.6
67.5°	5100.0	2818.8	290.9	254.9	273.3	152.5	115.6	83.2	65.6	47.1	39.8
70°	4295.7	2111.0	204.8	168.7	227.6	135.5	89.9	81.0	57.5	38.3	30.9
72.5°	3319.0	1321.4	152.5	109.0	162.0	110.5	71.4	68.5	46.4	31.7	23.6
75°	2447.6	753.5	107.5	78.8	106.8	84.0	53.0	48.6	39.8	30.2	21.4
77.5°	1277.9	377.1	67.0	60.4	61.1	52.3	38.3	35.4	36.8	30.2	19.9
80°	245.3	75.1	40.5	44.2	33.1	33.1	28.0	29.5	32.4	24.3	16.9
82.5°	102.4	16.2	22.1	25.0	20.6	22.8	22.8	23.6	22.8	17.7	12.5
85°	0.0	0.0	9.6	10.3	14.0	14.0	11.8	11.8	11.8	10.3	7.4
87.5°	0.0	0.0	0.0	0.0	0.7	2.2	4.4	5.2	5.9	4.4	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
2.5°	307.9	306.4	308.6	310.1	311.6	311.6	310.1	308.6	306.4	308.6	306.4
5°	284.3	286.5	290.2	291.7	293.2	290.2	288.7	284.3	280.6	281.4	279.9
7.5°	265.9	268.1	272.5	275.5	275.5	274.0	269.6	265.2	259.3	259.3	258.5
10°	249.0	251.9	257.1	260.7	262.2	260.7	256.3	250.4	245.3	245.3	243.1
12.5°	235.0	238.6	244.5	249.7	251.2	249.7	245.3	239.4	233.5	233.5	232.0
15°	223.2	227.6	234.2	240.1	242.3	240.1	235.0	227.6	221.7	222.4	220.2
17.5°	212.1	215.8	224.7	231.3	233.5	231.3	224.7	215.1	209.2	210.7	209.2
20°	199.6	204.0	212.9	220.2	222.4	220.2	212.9	202.6	196.7	196.7	197.4
22.5°	186.4	190.8	199.6	204.8	207.7	205.5	198.1	188.6	182.7	182.7	183.4
25°	174.6	176.8	183.4	188.6	189.3	187.1	181.2	173.8	169.4	171.6	172.4
27.5°	163.5	163.5	166.5	169.4	168.7	166.5	164.3	158.4	157.6	159.8	162.0
30°	151.7	148.0	146.6	144.4	143.6	142.9	145.1	145.1	146.6	149.5	151.7
32.5°	141.4	134.1	127.4	120.8	117.1	120.1	126.0	131.1	136.3	140.7	142.9
35°	129.6	117.9	106.8	98.0	92.1	96.5	106.1	115.6	124.5	130.4	134.1
37.5°	117.9	100.9	87.7	76.6	72.2	75.9	86.2	99.4	112.7	120.1	125.2
40°	105.3	84.0	68.5	59.7	55.2	58.9	69.2	82.5	100.2	109.7	116.4
42.5°	92.8	69.2	55.2	46.4	44.2	46.4	54.5	67.8	86.9	98.7	107.5
45°	80.3	57.5	44.2	37.6	35.4	37.6	44.2	55.2	74.4	87.7	98.0
47.5°	69.2	48.6	36.8	30.9	29.5	31.7	36.8	46.4	62.6	75.9	87.7
50°	60.4	42.7	31.7	26.5	25.0	27.3	31.7	39.0	53.0	64.8	77.3
52.5°	54.5	39.8	28.0	22.8	22.1	23.6	27.3	33.1	44.9	55.2	67.0
55°	53.0	39.8	25.8	20.6	19.9	21.4	24.3	28.7	39.0	47.9	58.2
57.5°	54.5	42.7	24.3	17.7	16.9	18.4	21.4	25.0	33.9	41.2	50.8
60°	54.5	43.5	21.4	14.0	13.3	14.7	17.7	22.1	30.2	36.1	44.2
62.5°	49.3	39.8	17.7	11.0	9.6	11.0	14.7	18.4	26.5	32.4	39.0
65°	42.7	33.9	14.7	8.1	6.6	8.1	11.8	15.5	22.8	28.0	35.4
67.5°	34.6	25.8	11.0	5.9	4.4	5.9	8.8	12.5	19.2	24.3	31.7
70°	25.8	18.4	8.8	5.2	4.4	5.2	8.1	11.8	16.9	22.1	29.5
72.5°	19.2	12.5	7.4	5.2	3.7	5.2	7.4	11.0	16.2	21.4	28.0
75°	16.2	10.3	6.6	4.4	3.7	4.4	6.6	10.3	14.7	19.9	26.5
77.5°	15.5	9.6	5.9	3.7	2.9	3.7	5.9	8.8	13.3	18.4	25.8
80°	13.3	8.1	5.2	2.9	2.2	2.9	5.2	7.4	10.3	14.0	19.9
82.5°	10.3	6.6	3.7	1.5	0.7	1.5	3.7	4.4	6.6	8.1	11.8
85°	6.6	3.7	1.5	0.0	0.0	0.0	1.5	2.9	2.9	3.7	5.9
87.5°	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GWS-SA3C-722-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
2.5°	310.8	311.6	313.0	315.3	320.4	324.8	329.2	335.1	338.1	338.1
5°	281.4	282.1	282.8	285.8	293.2	299.0	308.6	320.4	326.3	327.8
7.5°	258.5	260.0	261.5	263.7	271.1	279.2	291.7	313.8	324.8	327.0
10°	245.3	247.5	250.4	254.9	261.5	270.3	291.7	331.5	349.9	353.6
12.5°	235.0	238.6	241.6	246.7	254.9	268.8	311.6	381.5	414.0	422.8
15°	224.7	229.1	233.5	238.6	247.5	274.0	349.9	471.4	525.2	531.8
17.5°	214.3	219.5	225.4	231.3	242.3	286.5	410.3	595.9	671.0	685.7
20°	202.6	209.2	217.3	224.7	237.2	306.4	494.2	743.9	838.2	869.9
22.5°	190.0	198.1	207.7	217.3	231.3	330.7	595.9	903.0	1034.9	1055.5
25°	179.7	187.8	196.7	206.2	221.7	360.2	718.9	1100.4	1220.5	1240.4
27.5°	170.1	178.2	186.4	195.2	212.1	398.5	866.9	1310.4	1435.6	1456.2
30°	159.8	169.4	177.5	186.4	203.3	445.6	1037.8	1543.1	1661.7	1680.8
32.5°	151.0	160.6	168.7	177.5	196.7	497.2	1217.5	1749.3	1845.8	1845.8
35°	143.6	153.9	159.8	171.6	191.5	530.3	1387.7	1946.0	2018.9	2016.0
37.5°	135.5	148.0	152.5	160.6	184.9	534.0	1547.5	2153.7	2207.5	2188.3
40°	127.4	140.7	147.3	151.7	177.5	503.8	1722.8	2344.5	2390.2	2365.1
42.5°	120.1	130.4	139.9	145.1	173.1	450.8	1863.5	2548.5	2603.0	2580.9
45°	112.7	121.5	127.4	137.0	176.0	414.0	1984.3	2786.4	2882.2	2866.0
47.5°	105.3	112.7	116.4	131.1	195.9	397.0	2058.0	3154.7	3335.2	3321.9
50°	97.2	106.1	106.1	129.6	225.4	402.9	2122.0	3688.0	3967.1	3962.7
52.5°	89.1	98.7	97.2	140.7	248.2	430.2	2195.0	4158.7	4644.1	4684.6
55°	81.0	89.9	91.3	162.8	261.5	453.7	1912.9	4356.8	5222.3	5364.4
57.5°	72.2	77.3	95.0	179.7	257.1	522.2	1310.4	4392.9	5591.3	5896.2
60°	62.6	67.0	107.5	176.0	243.1	482.5	825.0	4068.8	5539.0	5925.7
62.5°	54.5	61.9	113.4	155.4	247.5	418.4	525.9	3467.8	5040.3	5481.5
65°	47.9	59.7	103.1	140.7	250.4	283.6	355.0	2821.0	4553.5	4973.3
67.5°	42.7	66.3	84.7	125.2	215.1	199.6	243.8	2192.0	3828.7	4205.1
70°	39.0	67.8	69.2	107.5	166.5	128.2	160.6	1475.3	2639.1	3069.3
72.5°	35.4	50.1	52.3	86.2	107.5	78.1	103.9	844.1	1923.9	2217.1
75°	33.9	33.9	36.1	56.0	59.7	56.7	67.0	503.8	1379.6	1593.9
77.5°	31.7	25.8	22.8	36.1	32.4	40.5	39.8	223.9	598.1	646.7
80°	25.0	18.4	15.5	22.8	22.1	27.3	23.6	18.4	27.3	26.5
82.5°	15.5	11.8	11.0	14.0	12.5	14.0	11.0	2.9	2.9	2.9
85°	7.4	6.6	5.9	5.9	6.6	5.9	4.4	1.5	0.7	0.7
87.5°	3.7	3.7	2.9	2.2	2.9	2.9	2.2	0.7	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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