

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: P633091

Luminaire Tested: GWS-SA2E-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633091
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-SA2E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6507.4 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

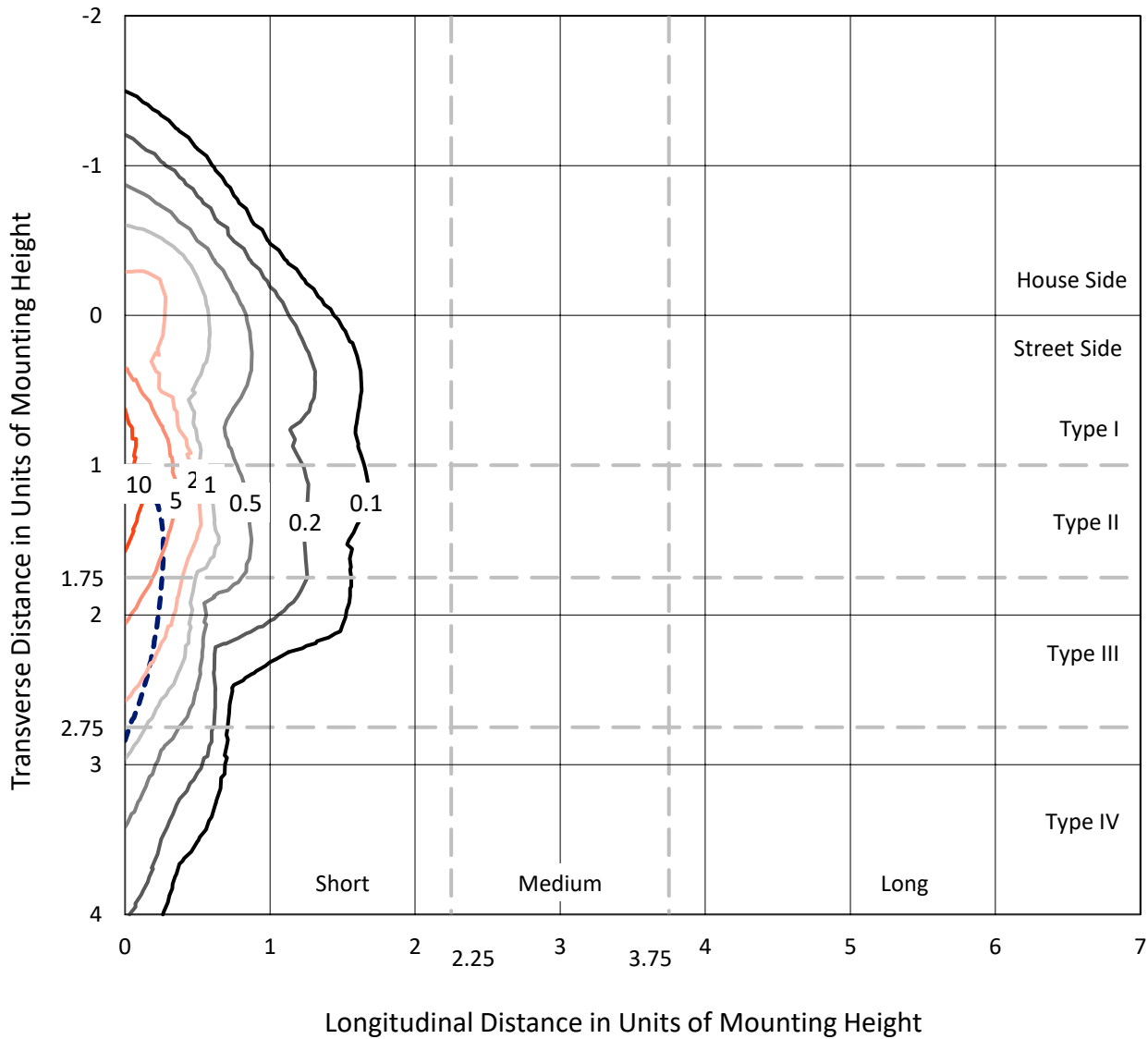
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

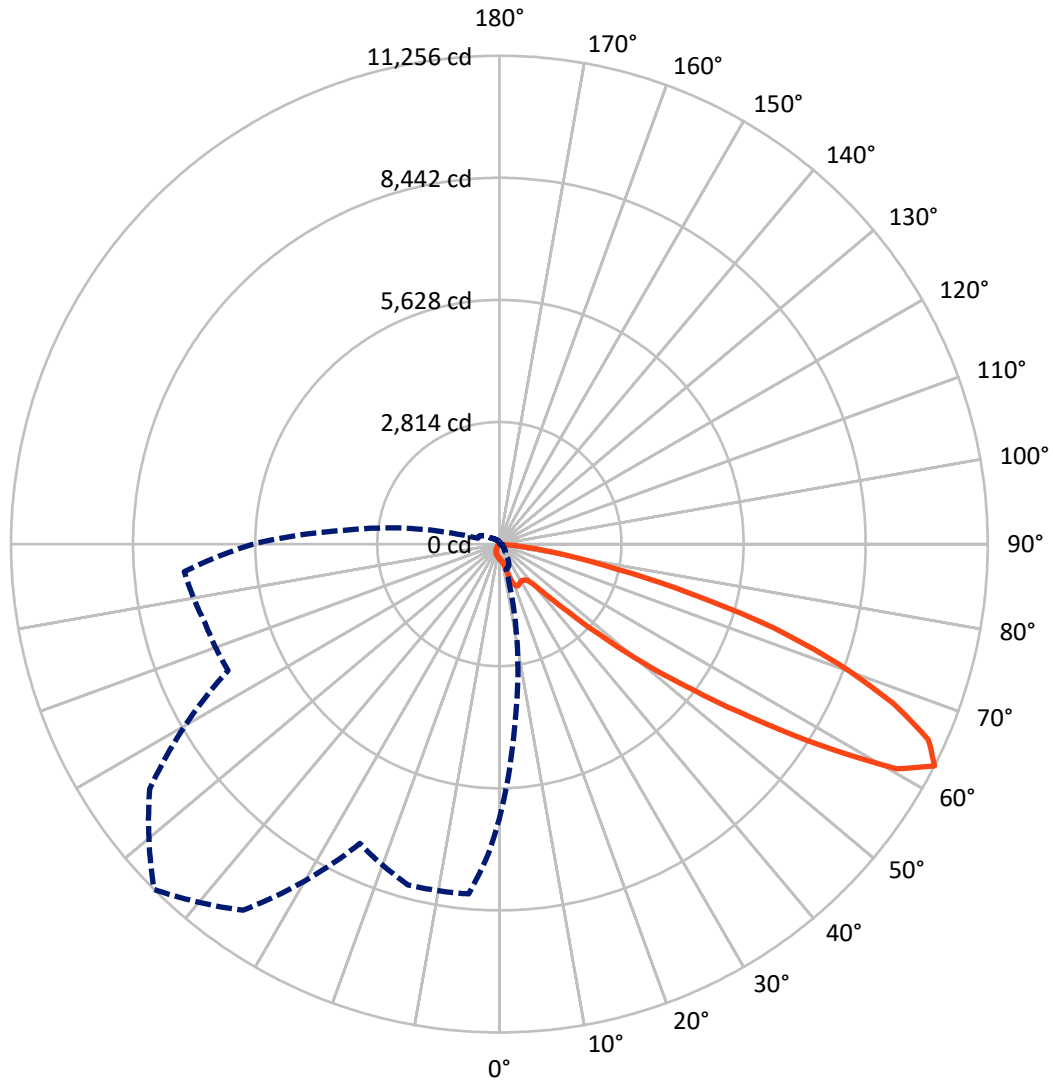
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	756.1	0.0	756.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	5751.3	0.0	5751.3
	% Fixture	88.4	0.0	88.4
Total	Lumens	6507.4	0.0	6507.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	0.4
10°-20°	99.9	1.5
20°-30°	225.7	3.5
30°-40°	388.8	6.0
40°-50°	733.3	11.3
50°-60°	1637.3	25.2
60°-70°	2189.9	33.7
70°-80°	1098.2	16.9
80°-90°	105.3	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°	6507.4	100.0
0°-180°	6507.4	100.0

Coefficient of Utilization



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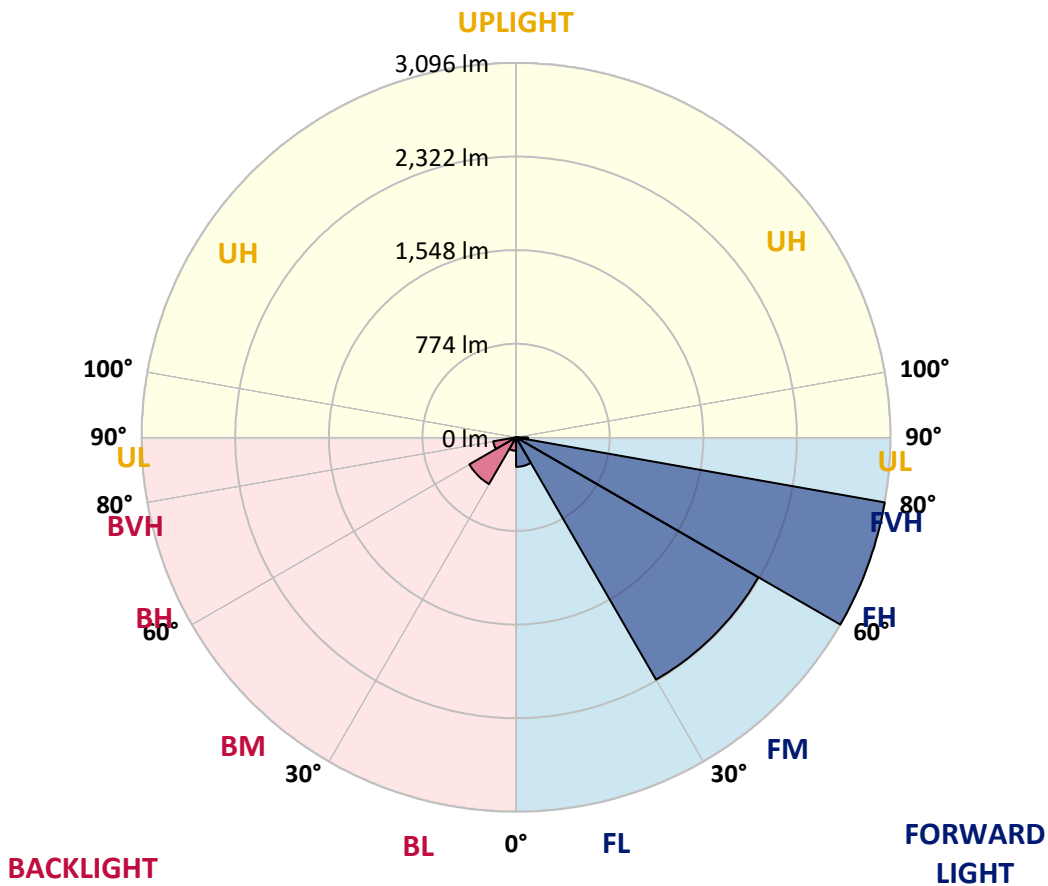
CATALOG NUMBER: GWS-SA2E-722-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.7	3.7			
FM (30°-60°)	2313.6	35.6			
FH (60°-80°)	3095.8	47.6			G2/5000
FVH (80°-90°)	98.3	1.5			G1/100
BL (0°-30°)	111.0	1.7	B1/500		
BM (30°-60°)	445.8	6.9	B1/1000		
BH (60°-80°)	192.3	3.0	B1/500		G1/500
BVH (80°-90°)	7.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5
2.5°	333.6	332.9	331.3	326.7	322.8	320.5	315.9	315.9	315.1	313.6	310.5
5°	322.8	319.8	316.7	308.2	299.0	293.6	287.4	286.6	286.6	285.1	284.3
7.5°	305.9	302.8	299.0	285.1	276.6	271.2	265.8	265.1	262.7	262.7	262.7
10°	296.6	292.0	285.9	270.4	262.0	257.4	253.5	251.2	249.6	247.3	246.6
12.5°	316.7	308.2	295.1	267.4	255.8	249.6	245.0	243.5	238.9	235.8	233.5
15°	379.1	358.3	332.1	274.3	253.5	244.3	238.1	235.0	231.2	225.8	221.9
17.5°	481.6	451.5	407.6	296.6	251.2	239.6	231.9	226.5	221.1	215.0	210.3
20°	623.3	578.7	526.3	337.5	251.2	234.2	225.0	218.1	210.3	203.4	198.0
22.5°	803.6	759.0	669.6	406.8	254.3	227.3	216.5	207.3	198.0	191.9	185.7
25°	1005.5	942.3	859.1	490.8	262.7	218.1	206.5	197.3	188.8	181.1	174.1
27.5°	1230.5	1161.9	1051.0	610.2	281.2	208.8	195.7	187.2	179.5	171.8	162.6
30°	1437.8	1396.9	1283.7	753.6	311.3	202.6	187.2	179.5	171.8	161.8	153.3
32.5°	1686.6	1614.2	1521.0	916.9	351.4	196.5	180.3	169.5	163.3	154.1	144.9
35°	1937.1	1875.4	1752.9	1118.0	396.0	190.3	171.8	161.8	156.4	145.6	135.6
37.5°	2195.2	2181.3	2060.3	1340.7	440.0	183.4	161.8	155.6	150.2	137.9	126.4
40°	2449.4	2424.0	2312.3	1595.0	466.9	175.7	153.3	149.5	143.3	129.4	116.3
42.5°	2692.9	2673.7	2565.0	1838.4	463.1	168.7	144.9	140.2	135.6	121.7	105.6
45°	2991.9	2960.3	2823.1	2018.7	423.8	176.4	136.4	128.7	127.9	114.8	94.8
47.5°	3551.3	3447.3	3214.6	2157.4	384.5	196.5	127.1	117.9	123.3	107.9	84.0
50°	4334.9	4212.4	3875.7	2265.3	383.7	222.7	125.6	107.9	119.4	102.5	74.7
52.5°	5122.3	4906.6	4497.5	2323.1	412.2	241.9	139.5	97.9	114.8	97.1	67.8
55°	5876.7	5429.0	4757.9	2132.0	434.6	262.7	164.9	92.5	106.3	90.9	64.0
57.5°	6595.6	5848.9	4871.2	1686.6	509.3	271.2	180.3	94.8	94.0	83.2	60.9
60°	6694.2	5828.9	4642.3	980.9	561.7	256.6	174.1	105.6	82.4	74.0	55.5
62.5°	6321.3	5441.3	4120.7	611.8	521.6	251.2	154.9	120.2	74.7	65.5	48.5
65°	5754.9	4833.4	3435.7	394.5	395.3	278.9	135.6	117.9	70.1	57.8	41.6
67.5°	4869.6	4045.2	2706.8	264.3	223.4	238.1	118.7	80.9	68.6	49.3	32.4
70°	3554.4	2879.4	1762.2	176.4	133.3	190.3	99.4	57.8	64.7	40.8	23.1
72.5°	2598.2	1934.7	983.9	115.6	75.5	111.0	73.2	41.6	50.1	30.0	16.2
75°	1870.0	1331.4	561.7	74.0	50.1	60.9	47.8	28.5	32.4	23.9	14.6
77.5°	900.0	648.8	255.0	40.8	33.9	30.8	25.4	17.7	20.0	21.6	13.1
80°	33.9	25.4	19.3	20.0	21.6	13.9	11.6	9.2	11.6	14.6	6.9
82.5°	0.0	0.0	0.0	2.3	3.1	3.9	4.6	3.9	4.6	5.4	0.8
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5
2.5°	312.8	311.3	312.8	314.4	315.9	317.4	315.1	316.7	318.2	314.4	315.9
5°	288.2	287.4	292.0	294.3	297.4	299.0	297.4	297.4	296.6	292.0	292.0
7.5°	266.6	267.4	271.2	276.6	280.5	282.8	281.2	280.5	278.2	271.2	271.2
10°	250.4	250.4	256.6	261.2	266.6	268.9	267.4	265.1	262.7	255.8	255.0
12.5°	237.3	237.3	241.9	249.6	255.8	258.9	258.1	255.0	251.2	244.3	243.5
15°	225.0	224.2	231.2	238.1	246.6	250.4	248.9	246.6	239.6	233.5	231.9
17.5°	212.7	211.9	218.1	227.3	236.5	241.9	241.2	235.8	229.6	221.9	220.4
20°	200.3	198.8	206.5	215.7	225.0	230.4	228.8	224.2	216.5	208.8	207.3
22.5°	188.0	187.2	192.6	200.3	208.8	213.4	212.7	208.8	201.1	194.2	194.2
25°	174.1	174.1	178.0	183.4	189.5	191.9	192.6	191.1	186.5	182.6	182.6
27.5°	162.6	160.3	161.8	163.3	166.4	170.3	170.3	171.8	172.6	171.1	171.8
30°	153.3	149.5	147.2	144.1	142.5	144.1	145.6	151.0	156.4	159.5	161.0
32.5°	142.5	137.9	131.8	123.3	117.9	116.3	121.0	131.0	141.0	147.9	151.8
35°	131.8	125.6	114.0	101.7	94.8	92.5	97.9	109.4	124.1	136.4	141.8
37.5°	121.0	112.5	96.3	81.7	74.0	72.4	77.8	90.1	107.1	124.1	131.0
40°	108.6	98.6	79.4	64.0	57.8	56.2	60.9	73.2	90.9	110.2	121.0
42.5°	96.3	84.0	64.0	50.9	44.7	44.7	50.9	60.1	76.3	97.1	110.2
45°	84.0	70.9	52.4	40.8	37.0	37.8	41.6	50.9	64.0	85.5	97.9
47.5°	72.4	60.9	43.1	33.9	30.8	31.6	36.2	43.9	54.7	74.0	87.1
50°	62.4	51.6	37.8	28.5	26.2	27.7	32.4	39.3	48.5	65.5	76.3
52.5°	56.2	46.2	34.7	24.7	23.1	24.7	29.3	35.4	43.9	57.8	68.6
55°	53.2	45.5	34.7	22.3	20.0	21.6	26.2	32.4	39.3	52.4	61.6
57.5°	52.4	47.0	37.0	20.0	17.0	18.5	23.1	29.3	36.2	47.8	55.5
60°	49.3	44.7	36.2	16.2	13.1	15.4	19.3	25.4	33.1	44.7	51.6
62.5°	43.1	39.3	31.6	13.1	10.0	11.6	16.2	22.3	30.0	40.8	48.5
65°	35.4	31.6	24.7	8.5	6.2	7.7	12.3	19.3	26.2	37.0	43.9
67.5°	26.2	22.3	17.0	5.4	3.1	5.4	10.0	16.2	23.9	33.1	40.1
70°	16.2	13.1	9.2	3.1	2.3	4.6	9.2	15.4	21.6	30.8	37.8
72.5°	9.2	6.2	3.9	1.5	2.3	4.6	9.2	15.4	20.8	29.3	35.4
75°	6.9	3.9	1.5	0.8	1.5	3.9	8.5	13.9	20.0	27.7	33.9
77.5°	4.6	2.3	0.8	0.0	0.8	3.1	7.7	13.1	18.5	26.2	32.4
80°	0.8	0.0	0.0	0.0	0.0	2.3	6.9	11.6	17.0	23.1	28.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	5.4	10.0	14.6	19.3	23.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	7.7	11.6	14.6	16.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.7	9.2	10.8
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°	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5
2.5°	315.1	319.8	319.8	322.8	326.7	333.6	337.5	342.9	346.7	350.6	352.1
5°	291.3	292.0	292.8	294.3	299.0	306.7	313.6	322.1	332.1	339.8	344.4
7.5°	271.2	271.2	271.2	273.5	278.2	283.5	290.5	302.0	313.6	322.8	330.5
10°	254.3	256.6	257.4	261.2	266.6	273.5	281.2	291.3	304.4	316.7	330.5
12.5°	243.5	245.8	249.6	253.5	258.9	266.6	275.1	288.2	315.1	340.6	369.8
15°	233.5	236.5	241.2	246.6	252.7	261.2	270.4	297.4	360.6	408.4	454.6
17.5°	222.7	227.3	233.5	238.9	246.6	255.8	267.4	319.8	443.8	523.2	601.8
20°	208.8	215.0	221.9	230.4	239.6	250.4	267.4	366.0	564.0	678.0	782.1
22.5°	195.7	201.9	210.3	221.1	231.9	242.7	271.2	436.1	718.9	863.0	994.7
25°	184.9	192.6	201.1	210.3	222.7	235.0	280.5	534.7	905.3	1091.0	1184.3
27.5°	174.9	184.2	192.6	200.3	211.1	225.0	301.3	666.5	1125.7	1314.5	1387.7
30°	164.9	175.7	184.2	191.9	202.6	217.3	332.9	834.5	1370.7	1554.1	1561.8
32.5°	156.4	166.4	176.4	184.2	194.2	211.1	376.8	1030.9	1621.9	1799.1	1726.7
35°	147.2	158.7	168.0	176.4	187.2	205.7	427.6	1242.8	1875.4	2024.1	1890.8
37.5°	137.9	151.0	162.6	168.7	179.5	200.3	464.6	1464.0	2134.3	2243.7	2034.9
40°	129.4	144.1	157.2	163.3	168.7	193.4	470.0	1690.5	2397.1	2460.2	2170.5
42.5°	120.2	136.4	147.9	156.4	161.0	188.8	437.6	1881.6	2617.4	2676.0	2347.7
45°	110.2	129.4	138.7	144.9	154.1	191.9	396.0	2029.5	2869.4	2970.3	2639.8
47.5°	100.2	121.7	129.4	134.1	146.4	210.3	380.6	2128.1	3284.7	3494.3	3132.1
50°	90.9	114.8	123.3	122.5	144.9	234.2	397.6	2202.9	3908.8	4155.4	3807.1
52.5°	80.9	107.1	117.1	114.0	156.4	252.7	431.5	2262.2	4388.8	4930.5	4714.0
55°	72.4	98.6	107.9	107.1	178.0	266.6	457.7	1949.4	4587.6	5650.9	5735.7
57.5°	66.3	89.4	97.1	110.2	191.9	266.6	529.3	1383.8	4591.5	6181.0	7091.8
60°	60.9	80.9	86.3	121.0	186.5	252.7	523.9	847.6	4231.6	6144.8	7813.0
62.5°	56.2	73.2	80.1	124.1	164.9	250.4	473.1	525.5	3609.1	5677.1	7289.8
65°	52.4	67.0	77.1	114.0	149.5	268.1	319.0	377.5	2927.2	5143.9	6689.6
67.5°	48.5	61.6	81.7	93.2	135.6	239.6	230.4	268.1	2297.7	4559.1	6138.6
70°	45.5	58.6	86.3	76.3	118.7	187.2	163.3	203.4	1759.1	3804.0	5362.7
72.5°	43.1	54.7	72.4	60.1	96.3	144.9	114.0	147.9	1149.6	2969.5	4371.9
75°	40.8	50.1	53.2	48.5	71.7	94.8	86.3	99.4	685.0	2170.5	3317.0
77.5°	40.1	47.0	43.1	39.3	48.5	56.2	65.5	67.0	334.4	1085.6	1738.3
80°	35.4	42.4	37.0	32.4	33.1	37.0	48.5	44.7	76.3	275.8	463.8
82.5°	27.7	33.1	30.8	27.0	27.0	27.0	32.4	30.0	24.7	124.1	209.6
85°	19.3	23.1	23.1	21.6	20.8	20.8	20.0	19.3	6.9	7.7	11.6
87.5°	13.1	16.2	17.0	16.2	13.9	12.3	10.8	9.2	3.1	0.0	1.5
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-SA2E-722-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5
2.5°	357.5	359.8	359.8	356.7	354.4	348.3	342.1	335.9	334.4	333.6
5°	357.5	366.8	371.4	370.6	365.2	355.2	342.1	328.2	324.4	322.8
7.5°	352.1	369.8	383.7	386.0	376.0	358.3	334.4	313.6	308.2	305.9
10°	364.5	399.1	426.9	430.7	419.2	384.5	346.0	310.5	302.0	296.6
12.5°	430.7	487.7	521.6	537.8	515.5	471.6	407.6	344.4	325.2	316.7
15°	564.8	645.7	710.4	710.4	689.6	611.8	530.9	428.4	402.2	379.1
17.5°	736.6	838.3	895.3	889.2	857.6	802.9	705.8	558.6	505.5	481.6
20°	932.3	993.2	1006.3	1002.4	988.6	957.0	889.9	732.0	660.3	623.3
22.5°	1101.8	1085.6	1066.4	1051.0	1047.1	1056.4	1047.1	925.4	869.1	803.6
25°	1216.6	1124.9	1067.2	1039.4	1052.5	1105.7	1163.5	1118.0	1073.3	1005.5
27.5°	1279.0	1120.3	1037.1	1008.6	1030.9	1106.5	1232.0	1309.1	1262.9	1230.5
30°	1312.9	1116.5	1017.8	990.1	1024.0	1118.8	1279.8	1487.9	1489.4	1437.8
32.5°	1361.5	1141.1	1021.7	996.3	1041.7	1155.8	1339.9	1669.7	1714.4	1686.6
35°	1416.2	1178.9	1039.4	1016.3	1072.5	1205.1	1407.0	1853.1	1946.3	1937.1
37.5°	1467.8	1221.3	1081.0	1058.7	1119.6	1247.5	1471.7	2033.4	2162.8	2195.2
40°	1521.8	1280.6	1208.9	1230.5	1264.4	1314.5	1529.5	2189.8	2400.9	2449.4
42.5°	1648.9	1486.3	1595.7	1636.6	1641.2	1537.9	1655.8	2390.1	2635.1	2692.9
45°	1932.4	1852.3	2165.9	2223.7	2193.6	1880.8	1960.2	2679.1	2962.6	2991.9
47.5°	2290.7	2327.7	2946.4	3146.0	2965.7	2285.3	2329.2	3287.0	3562.1	3551.3
50°	2708.3	2883.2	3832.5	4303.3	3871.8	2810.8	2754.6	4034.4	4368.0	4334.9
52.5°	3202.2	3528.9	4897.4	5566.2	5157.8	3401.8	3378.7	5024.5	5227.9	5122.3
55°	3824.0	4152.3	6122.5	7057.1	6476.1	4123.0	4202.4	6172.6	6211.8	5876.7
57.5°	4751.7	4965.2	7566.4	8766.9	7852.3	5103.1	5678.7	7700.5	7230.5	6595.6
60°	6436.1	6010.7	8961.8	10515.9	9316.2	6481.5	7625.7	8605.8	7569.5	6694.2
62.5°	7022.4	6898.4	9835.6	11255.6	10300.9	7613.4	8132.0	8092.7	7130.3	6321.3
65°	6134.0	6677.2	9679.1	10865.0	10174.6	7426.9	7297.5	7526.3	6635.6	5754.9
67.5°	5666.3	6157.9	9086.6	9787.0	9474.2	6794.4	6504.6	6442.2	5570.8	4869.6
70°	5194.8	5681.7	8227.5	8314.6	8168.9	5763.4	5382.8	4964.4	4163.8	3554.4
72.5°	4627.7	4895.8	7035.5	6622.5	6457.6	4526.7	4446.6	3738.5	3121.3	2598.2
75°	4035.9	3958.1	5485.3	4545.2	4668.5	3522.0	3755.5	2745.3	2286.9	1870.0
77.5°	2935.6	2877.9	3673.8	2760.7	3057.4	2306.9	2072.7	1095.7	1043.3	900.0
80°	1638.1	1974.8	1984.1	1547.2	1930.1	1504.0	518.6	36.2	23.1	33.9
82.5°	761.3	849.1	1075.6	717.3	1101.1	745.1	107.1	0.0	0.0	0.0
85°	246.6	360.6	302.0	105.6	266.6	252.0	17.7	0.0	0.0	0.0
87.5°	14.6	30.0	7.7	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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