

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: STREETWORKS

Report Number: P386838

Luminaire Tested: GAW-SA2C-740-U-SLL-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2C-740-U-SLL-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10942 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

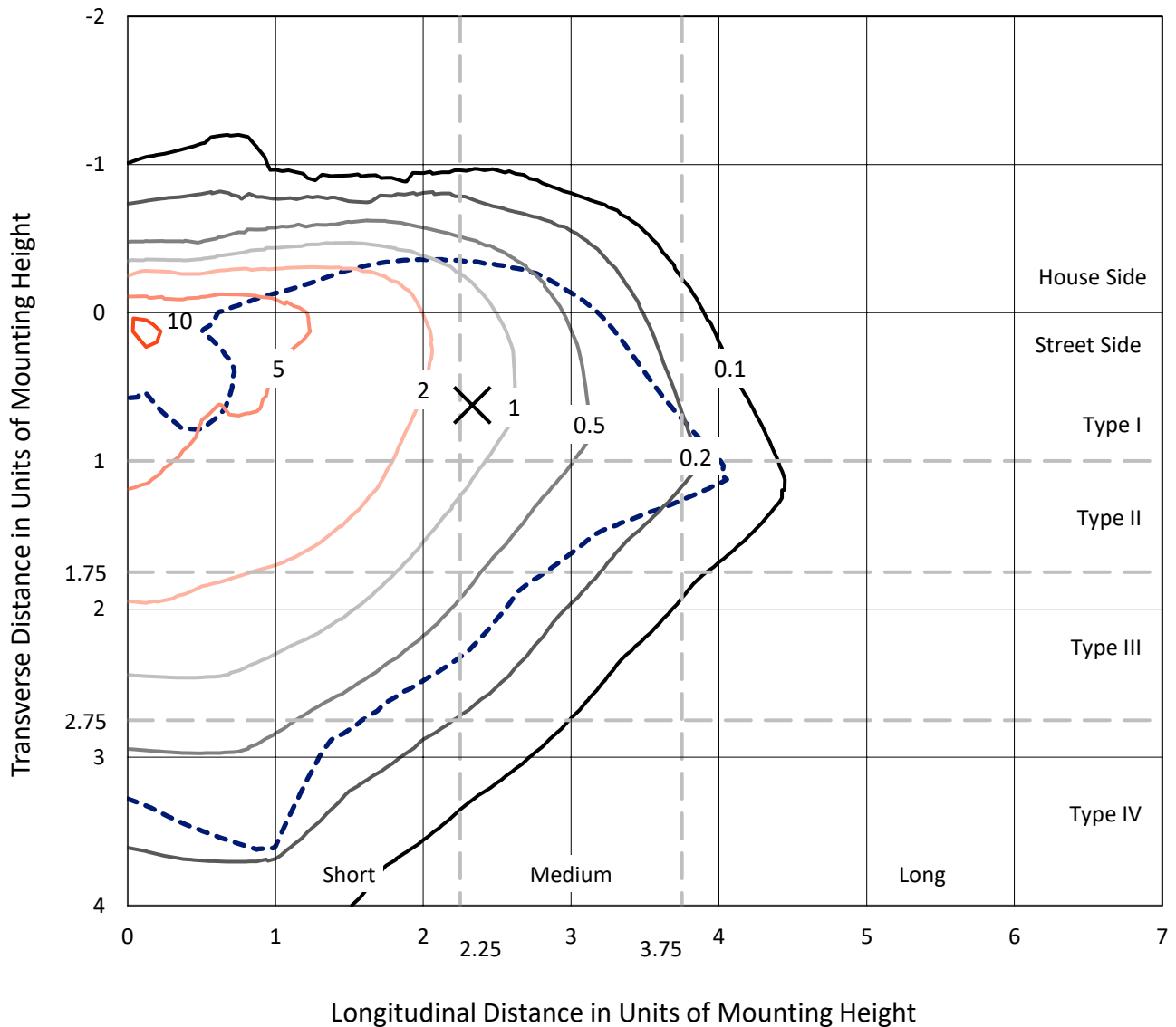
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

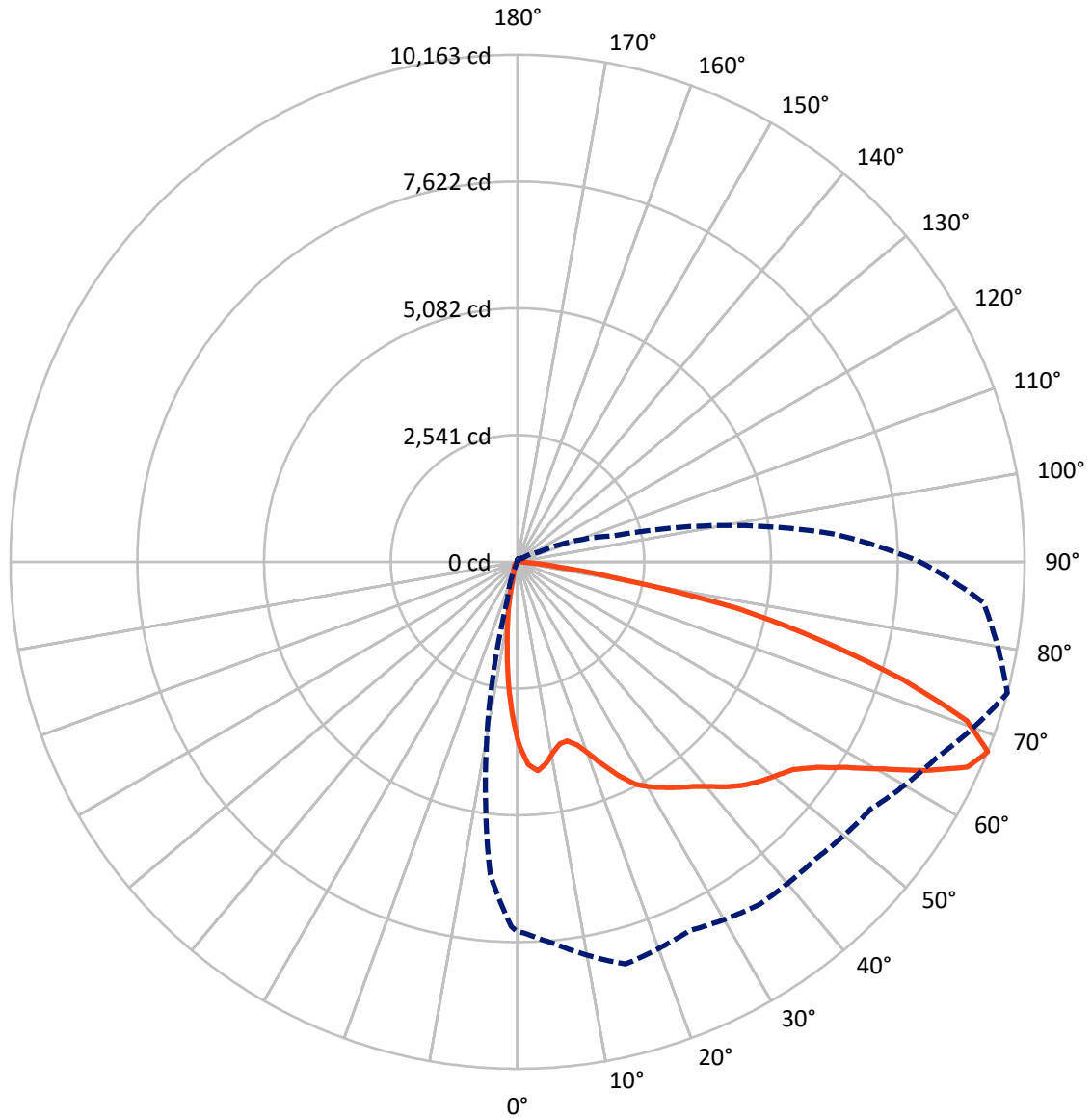
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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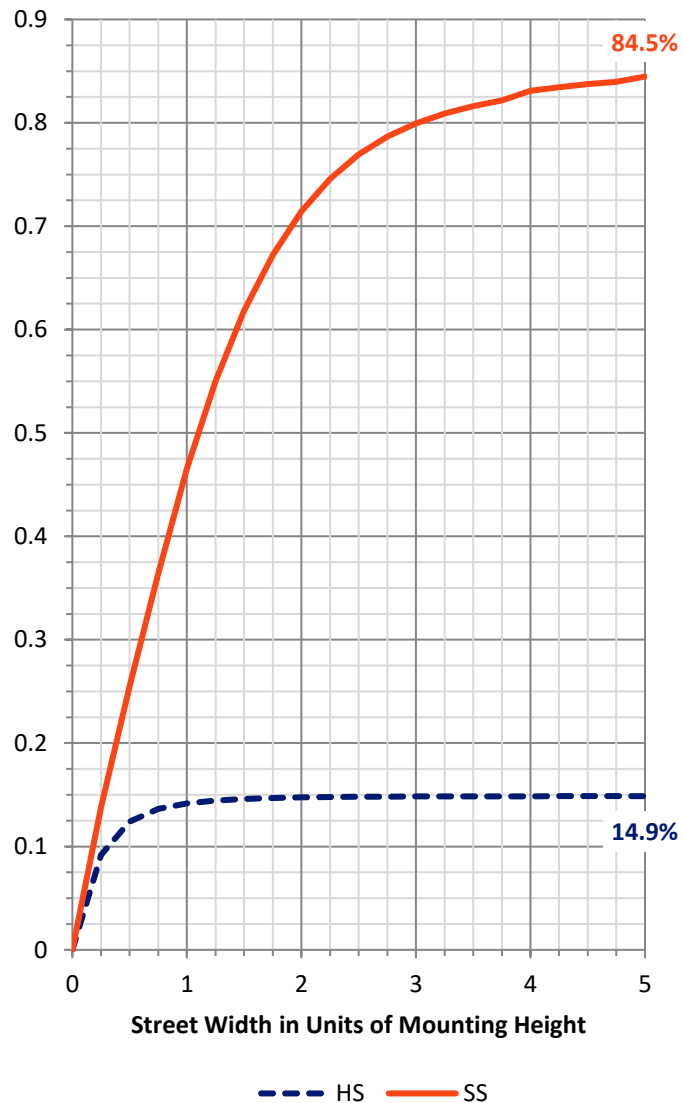
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1642.0	0.0	1642.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	9300.0	0.0	9300.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	10942.0	0.0	10942.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.5	2.5
10°-20°	548.3	5.0
20°-30°	775.7	7.1
30°-40°	1140.4	10.4
40°-50°	1639.2	15.0
50°-60°	2307.5	21.1
60°-70°	2695.0	24.6
70°-80°	1374.9	12.6
80°-90°	182.6	1.7
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°	10942.0	100.0
0°-180°	10942.0	100.0

Coefficient of Utilization

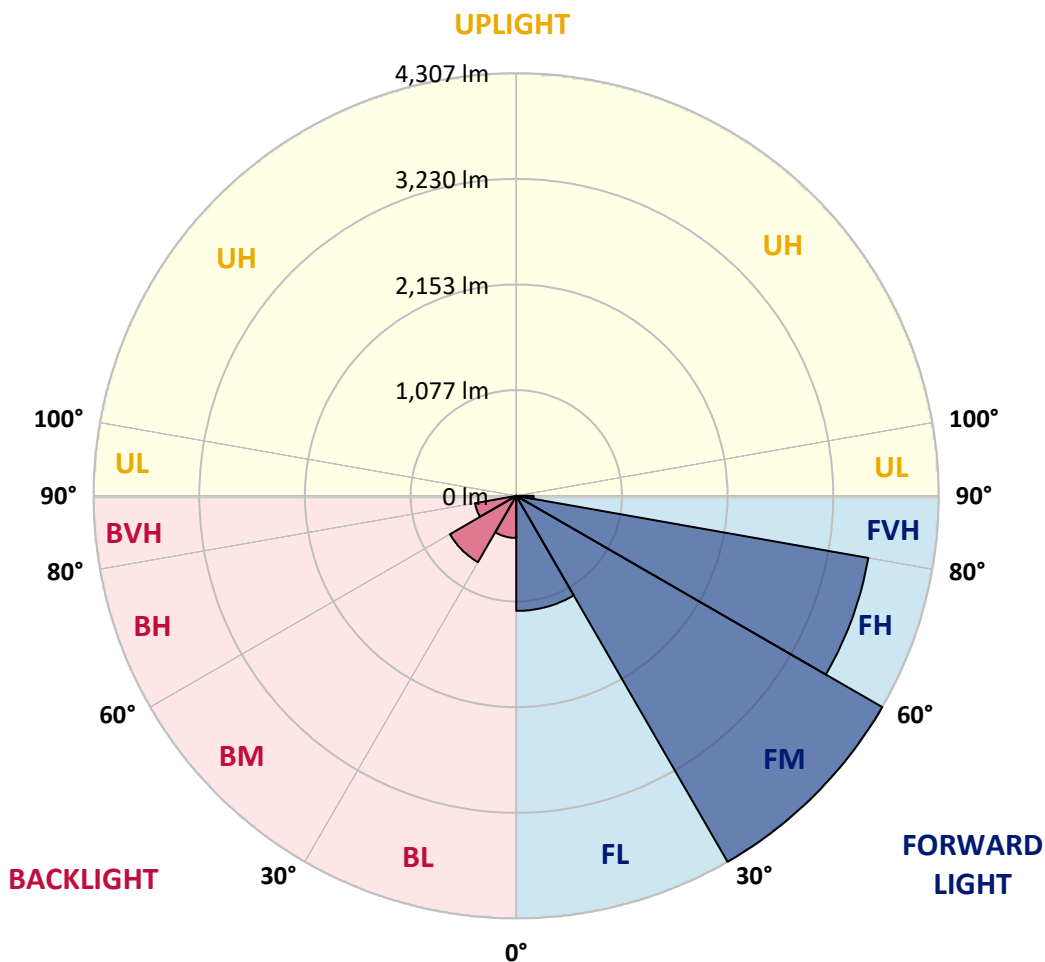


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1173.0	10.7			
FM (30°-60°)	4306.6	39.4			
FH (60°-80°)	3643.4	33.3			G2/5000
FVH (80°-90°)	177.1	1.6			G2/225
BL (0°-30°)	429.4	3.9	B1/500		
BM (30°-60°)	780.5	7.1	B1/1000		
BH (60°-80°)	426.5	3.9	B1/500		G1/500
BVH (80°-90°)	5.5	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9
2.5°	3979.3	3985.5	4017.6	4092.3	4173.6	4179.9	4234.8	4178.3	4159.1	4067.9	3973.6
5°	4009.3	4033.2	4143.6	4362.8	4553.1	4614.2	4657.8	4546.8	4430.2	4207.3	3969.4
7.5°	3767.3	3807.2	3980.8	4392.4	4732.4	4882.7	4911.2	4737.6	4452.0	4085.0	3727.4
10°	3457.3	3502.9	3712.3	4218.2	4685.2	4942.8	4982.2	4754.7	4344.2	3887.0	3465.6
12.5°	3206.4	3259.8	3473.9	4022.3	4523.0	4808.1	4885.8	4697.2	4250.9	3746.5	3286.8
15°	3090.8	3152.0	3377.0	3895.8	4343.1	4567.6	4631.8	4550.5	4199.0	3724.2	3245.3
17.5°	3157.2	3223.5	3455.7	3906.7	4174.2	4270.1	4321.9	4355.1	4199.0	3858.5	3366.6
20°	3429.3	3500.8	3746.5	4017.1	4034.2	3998.4	4053.9	4170.5	4247.8	4113.5	3657.9
22.5°	3805.6	3889.6	4166.9	4206.3	3965.8	3830.5	3837.8	4020.7	4336.4	4437.0	4062.2
25°	4264.3	4367.0	4649.0	4488.3	3994.3	3730.5	3727.9	3897.4	4423.0	4760.9	4512.6
27.5°	4720.0	4833.0	5080.7	4832.4	4112.0	3712.3	3707.1	3860.0	4507.4	5049.1	5004.5
30°	5102.0	5211.9	5425.4	5081.8	4238.9	3754.8	3729.9	3900.0	4557.7	5236.2	5363.2
32.5°	5413.0	5501.1	5673.7	5253.3	4374.8	3837.2	3783.3	4006.7	4643.3	5394.3	5692.9
35°	5755.1	5847.9	5916.8	5416.6	4527.1	3955.9	3878.7	4176.2	4774.9	5555.0	6054.2
37.5°	6145.4	6237.7	6229.4	5565.9	4720.5	4152.4	4103.1	4444.7	4979.7	5714.1	6457.4
40°	6527.4	6621.7	6554.4	5729.2	4947.5	4476.3	4440.1	4848.0	5253.9	5917.8	6930.1
42.5°	6885.1	6987.2	6843.1	5883.6	5218.1	4884.8	4947.0	5367.4	5597.0	6168.7	7337.6
45°	7173.2	7277.4	7085.1	6033.9	5503.2	5380.3	5567.4	5942.7	6009.6	6380.7	7612.8
47.5°	7382.7	7481.1	7253.1	6184.3	5868.1	5986.3	6312.3	6546.1	6382.3	6564.7	7808.2
50°	7516.4	7593.1	7302.3	6372.4	6347.0	6693.3	7088.2	7202.3	6733.2	6730.6	8045.6
52.5°	7601.4	7636.1	7338.6	6568.9	6846.7	7463.0	7848.1	7883.9	7094.5	6913.0	8365.4
55°	7894.3	7922.2	7595.7	6806.8	7259.8	8137.4	8535.4	8502.3	7503.4	7270.2	8742.8
57.5°	8393.9	8423.5	8127.0	7148.9	7594.1	8554.1	9033.6	9093.2	7982.9	7771.9	9147.1
60°	8644.8	8699.7	8594.0	7582.2	7918.1	8820.5	9373.1	9563.3	8582.1	8433.3	9538.9
62.5°	8417.3	8497.1	8650.5	8062.7	8240.0	8967.2	9478.8	9731.8	9195.8	9204.1	9780.5
65°	7963.2	8026.9	8287.2	8326.0	8426.6	8949.1	9217.6	9496.4	9571.6	9912.1	9767.5
67.5°	7414.8	7438.6	7659.4	8346.8	8156.0	8403.8	8432.8	8639.1	9274.6	10163.0	9375.1
70°	6625.4	6638.3	6831.1	7652.7	7008.9	7063.4	7020.3	7062.3	7973.6	9551.9	8384.6
72.5°	5332.1	5364.8	5639.0	6355.3	5106.1	4949.1	5287.0	5268.4	6140.7	8070.0	6227.3
75°	3925.9	3982.4	4396.5	5119.1	3583.8	3241.7	3488.4	3554.2	4365.4	6242.3	3894.3
77.5°	2748.7	2790.7	3191.9	3763.1	2593.8	2318.0	2228.8	2307.1	2881.4	4515.7	1961.9
80°	1583.5	1599.1	1855.1	2172.9	1747.8	1999.7	1811.6	1865.5	1726.6	2009.1	843.9
82.5°	1036.2	1038.7	1138.8	1293.2	1088.5	1264.7	936.1	1196.8	1062.1	807.0	274.7
85°	559.8	562.9	660.4	918.0	616.3	348.3	204.7	420.4	656.7	185.0	75.2
87.5°	61.7	56.5	199.0	333.8	171.1	31.6	10.9	47.2	105.2	11.9	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°	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9
2.5°	3925.4	3882.3	3775.0	3661.5	3570.3	3484.8	3398.7	3293.5	3212.1	3195.5	3168.6
5°	3841.4	3705.1	3480.1	3254.1	3072.2	2842.6	2696.9	2583.4	2472.5	2465.7	2443.4
7.5°	3548.0	3368.7	3052.0	2739.4	2483.3	2264.6	2043.8	1896.1	1780.0	1739.0	1714.7
10°	3266.0	3064.4	2668.9	2312.3	2083.7	1890.4	1734.9	1580.4	1440.5	1344.0	1300.5
12.5°	3069.1	2846.2	2410.3	2102.9	1939.1	1755.6	1565.9	1373.1	1211.9	1095.8	1024.7
15°	2992.9	2755.0	2323.7	2020.0	1817.8	1585.6	1343.0	1122.7	943.9	838.7	774.9
17.5°	3083.6	2806.8	2317.0	1918.9	1636.4	1347.7	1079.7	819.5	651.0	571.2	530.3
20°	3313.7	2971.6	2314.4	1795.0	1420.8	1065.7	731.4	539.1	437.0	392.4	373.2
22.5°	3639.2	3182.1	2335.1	1672.7	1196.3	761.4	504.9	396.0	343.7	319.8	308.9
25°	4058.1	3477.5	2393.7	1561.7	985.4	568.1	393.4	331.7	294.9	276.3	268.5
27.5°	4504.3	3817.5	2484.9	1465.3	813.8	453.0	336.9	284.0	257.6	244.7	237.4
30°	4872.4	4211.5	2577.2	1358.0	689.4	395.0	308.4	259.2	228.6	220.3	213.6
32.5°	5194.2	4509.5	2642.5	1261.1	608.0	350.9	278.9	231.7	211.0	194.9	187.6
35°	5527.5	4757.8	2640.4	1193.2	552.0	317.7	254.0	207.3	182.5	163.8	158.1
37.5°	5888.3	5038.2	2595.3	1135.2	527.7	291.3	240.0	194.4	169.5	150.8	143.6
40°	6310.7	5332.6	2549.2	1080.7	520.9	270.1	230.1	184.0	157.6	139.4	132.2
42.5°	6722.3	5598.0	2508.7	1040.3	491.9	269.5	221.3	176.2	148.2	130.6	122.3
45°	7051.4	5845.3	2501.0	1015.9	461.3	278.9	216.7	171.1	141.0	123.4	115.6
47.5°	7325.1	6113.8	2550.7	998.8	432.3	254.5	228.1	167.4	134.2	117.1	108.3
50°	7650.6	6443.4	2667.9	970.8	401.7	229.1	261.2	168.5	128.5	110.9	101.6
52.5°	8104.7	6899.6	2840.0	923.7	359.7	205.8	257.1	169.5	122.3	104.2	94.9
55°	8613.7	7469.2	3025.0	845.4	301.2	175.2	220.3	162.2	110.4	96.9	88.1
57.5°	9148.6	7986.0	3134.9	752.1	239.5	151.4	176.2	147.7	97.4	87.1	81.4
60°	9232.6	8182.4	3084.6	637.6	190.2	131.7	130.6	150.3	87.1	76.7	72.6
62.5°	9023.7	7935.7	2841.5	535.4	159.1	115.6	107.3	131.1	78.8	68.4	64.3
65°	8622.0	7268.6	2447.6	482.6	147.7	99.0	89.2	92.3	68.9	59.6	56.0
67.5°	8063.2	6378.1	2009.6	452.5	146.2	85.0	76.2	70.0	59.6	51.8	48.7
70°	6920.8	5313.5	1603.2	435.9	142.0	71.5	64.3	57.0	49.8	44.1	41.5
72.5°	5093.7	3765.2	1247.1	417.8	143.1	57.0	56.0	47.2	39.9	34.2	33.2
75°	2943.1	2151.1	817.9	338.5	136.3	44.1	46.7	33.2	28.0	23.8	23.8
77.5°	1568.5	1311.9	311.5	141.0	49.8	28.0	26.4	19.7	17.6	14.5	14.0
80°	683.7	577.4	93.8	39.4	27.5	15.0	9.8	8.8	7.8	6.2	5.7
82.5°	242.1	208.9	30.6	19.2	11.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	54.9	39.4	0.0	4.7	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9
2.5°	3113.6	3102.2	3034.9	3037.4	3049.4	3066.5	3026.0	3044.7	3095.0	3143.2	3161.3
5°	2407.7	2410.3	2369.3	2394.7	2417.5	2433.1	2367.8	2368.8	2408.7	2463.1	2491.6
7.5°	1696.5	1692.4	1694.4	1755.1	1798.1	1767.0	1791.4	1706.9	1712.1	1750.9	1721.9
10°	1261.1	1204.1	1172.0	1217.6	1264.7	1247.6	1205.6	1178.2	1197.4	1240.4	1237.3
12.5°	991.1	909.2	861.0	828.3	867.2	835.0	834.0	810.2	784.2	788.9	857.8
15°	745.4	685.8	628.7	576.4	575.4	564.5	509.0	446.8	441.6	444.7	480.5
17.5°	512.6	492.4	469.1	424.0	412.1	366.5	312.6	287.7	275.2	280.9	292.9
20°	360.2	352.5	355.1	330.7	313.6	270.1	238.4	228.6	226.5	232.2	237.9
22.5°	298.6	284.6	283.0	272.1	255.0	223.4	206.3	200.6	198.0	203.2	207.3
25°	261.2	247.2	241.5	234.8	216.7	194.9	184.5	179.3	176.8	179.9	182.5
27.5°	230.1	217.2	212.0	207.3	189.7	174.2	165.9	161.2	159.1	160.2	162.8
30°	206.8	195.4	188.7	183.0	167.9	157.1	149.8	145.1	143.1	143.1	145.7
32.5°	182.5	176.2	170.0	162.8	148.8	141.5	134.2	129.1	127.0	127.5	129.6
35°	151.9	149.8	151.4	144.6	132.7	126.5	119.2	113.5	112.0	112.5	114.6
37.5°	134.8	125.4	131.1	127.5	120.8	112.5	103.1	98.0	95.4	96.9	98.0
40°	123.9	112.5	108.3	112.0	110.9	97.4	89.2	84.0	81.9	82.4	83.5
42.5°	114.6	101.1	91.7	91.2	97.4	85.0	76.2	71.5	68.9	68.9	70.0
45°	105.7	91.2	79.8	71.0	81.9	72.0	63.8	59.6	56.5	56.5	57.0
47.5°	99.0	82.9	69.5	58.1	61.7	59.1	52.4	48.2	45.1	45.1	45.6
50°	92.8	74.6	60.1	48.7	46.1	48.7	42.5	37.8	35.8	35.2	36.3
52.5°	86.0	66.3	51.3	41.5	36.3	36.8	33.2	30.1	27.5	27.5	28.5
55°	79.3	59.6	44.6	35.2	30.1	27.5	26.4	24.4	22.3	22.3	23.3
57.5°	72.6	52.4	37.8	29.0	23.8	21.8	21.8	20.2	18.7	18.7	19.7
60°	66.3	45.1	31.1	23.8	18.7	18.1	18.7	17.1	16.1	16.1	17.1
62.5°	59.1	38.4	25.4	19.7	15.0	14.5	16.1	15.0	14.0	14.0	15.0
65°	50.3	32.7	20.2	15.0	11.4	11.4	13.5	12.4	11.4	11.4	12.4
67.5°	42.5	27.5	15.6	10.9	8.3	8.8	11.4	10.4	9.8	9.8	10.9
70°	35.2	21.3	10.9	6.7	4.7	6.7	8.8	8.8	8.8	8.8	9.8
72.5°	26.4	14.5	6.2	2.6	2.1	4.7	7.3	8.3	7.8	7.8	9.3
75°	17.1	8.3	2.1	0.0	0.0	2.6	5.7	6.7	6.7	6.2	7.8
77.5°	9.8	2.6	0.0	0.0	0.0	0.0	3.6	3.1	2.6	2.1	3.6
80°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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 CATALOG NUMBER: GAW-SA2C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9	3670.9
2.5°	3234.4	3295.6	3381.6	3472.8	3613.3	3724.8	3834.1	3927.9	3964.2	3979.3
5°	2560.1	2649.7	2775.7	2937.4	3190.9	3418.9	3650.1	3882.9	3983.9	4009.3
7.5°	1837.0	1951.5	2111.7	2314.4	2611.4	2906.8	3229.8	3571.3	3727.9	3767.3
10°	1359.6	1499.5	1683.0	1896.6	2180.1	2483.9	2835.8	3226.1	3404.9	3457.3
12.5°	964.6	1153.8	1399.5	1659.2	1904.9	2176.0	2532.1	2962.3	3149.9	3206.4
15°	566.5	749.5	1040.3	1388.1	1702.7	1977.5	2339.2	2827.0	3033.8	3090.8
17.5°	325.0	416.2	636.0	1023.7	1450.8	1831.3	2278.6	2860.7	3104.3	3157.2
20°	248.3	277.3	366.5	659.3	1156.4	1687.7	2278.6	3051.4	3351.6	3429.3
22.5°	217.2	238.4	274.7	393.4	851.1	1533.8	2305.0	3327.2	3719.6	3805.6
25°	192.8	212.0	243.1	296.0	580.5	1350.8	2367.8	3665.7	4152.9	4264.3
27.5°	172.6	190.7	218.7	259.2	397.0	1130.0	2452.2	4062.7	4630.8	4720.0
30°	154.5	171.6	197.0	225.5	306.3	879.6	2524.3	4437.0	5006.1	5102.0
32.5°	137.4	152.9	175.7	197.0	250.9	650.5	2532.1	4733.4	5317.6	5413.0
35°	121.3	135.3	156.0	172.6	207.9	513.7	2411.3	4990.5	5629.1	5755.1
37.5°	105.7	119.2	137.4	149.8	183.0	418.8	2226.8	5277.2	6028.8	6145.4
40°	91.2	103.1	121.8	130.1	173.1	321.9	2026.2	5577.8	6420.6	6527.4
42.5°	77.8	89.2	107.3	123.4	151.9	240.5	1809.5	5859.8	6773.1	6885.1
45°	64.8	76.7	94.9	130.6	126.0	179.9	1577.8	6046.9	7051.4	7173.2
47.5°	52.4	65.8	90.7	124.4	100.6	132.2	1394.3	6224.2	7262.4	7382.7
50°	42.0	55.5	102.1	110.9	82.4	101.1	1317.6	6382.8	7400.8	7516.4
52.5°	34.2	46.7	96.4	85.0	68.9	83.5	1359.1	6639.9	7528.8	7601.4
55°	28.5	36.8	58.1	59.1	58.6	71.0	1410.4	7008.9	7860.0	7894.3
57.5°	24.9	29.5	40.4	45.6	49.2	63.2	1411.4	7538.7	8372.7	8393.9
60°	21.3	25.9	33.7	36.8	42.5	56.5	1360.1	7723.7	8574.3	8644.8
62.5°	18.7	22.8	28.0	30.6	35.8	50.8	1239.9	7455.7	8297.5	8417.3
65°	16.6	20.7	23.3	25.9	31.6	45.6	1041.9	6919.8	7838.3	7963.2
67.5°	14.5	18.1	20.7	23.3	28.5	40.4	767.1	6297.3	7311.1	7414.8
70°	13.0	16.1	18.7	20.7	24.9	34.2	465.5	5343.5	6582.3	6625.4
72.5°	12.4	14.5	17.1	18.7	21.8	30.1	235.8	3926.9	5262.1	5332.1
75°	10.9	13.0	15.6	16.6	19.2	25.9	95.9	2579.2	3813.4	3925.9
77.5°	8.8	11.9	14.0	15.0	16.6	21.3	48.7	1648.3	2676.2	2748.7
80°	3.1	8.8	11.9	12.4	14.0	15.6	32.1	902.4	1552.4	1583.5
82.5°	0.0	5.7	9.3	8.8	9.8	11.9	20.7	429.2	1024.7	1036.2
85°	0.0	2.6	7.3	5.7	4.1	8.3	7.3	93.8	537.5	559.8
87.5°	0.0	0.0	0.5	2.6	2.1	3.1	1.0	0.5	48.7	61.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)