

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: P386866

Luminaire Tested: GAW-SA2C-750-U-SLL-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386866
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-750-U-SLL-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 5000K, 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: 10943 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

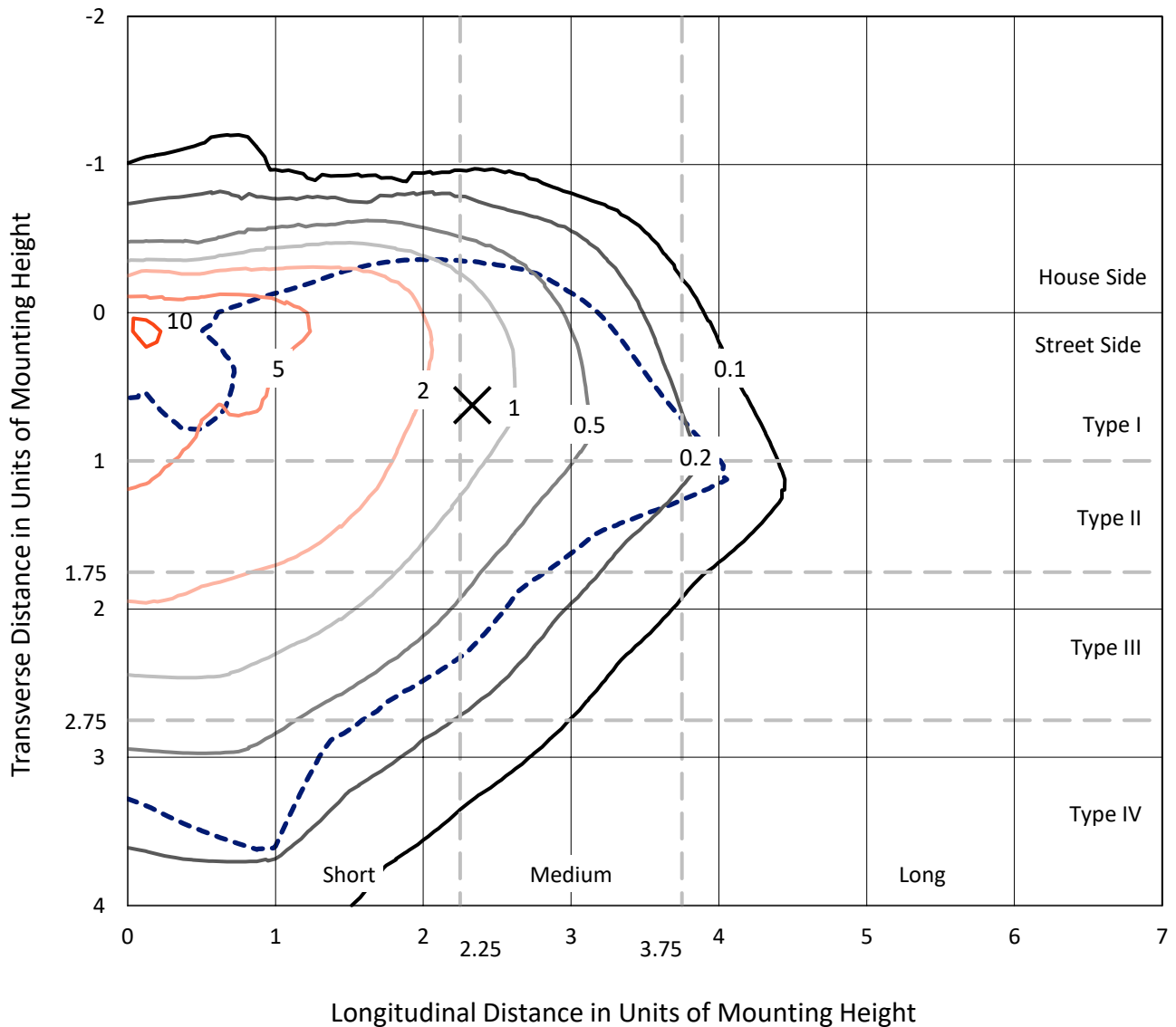
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

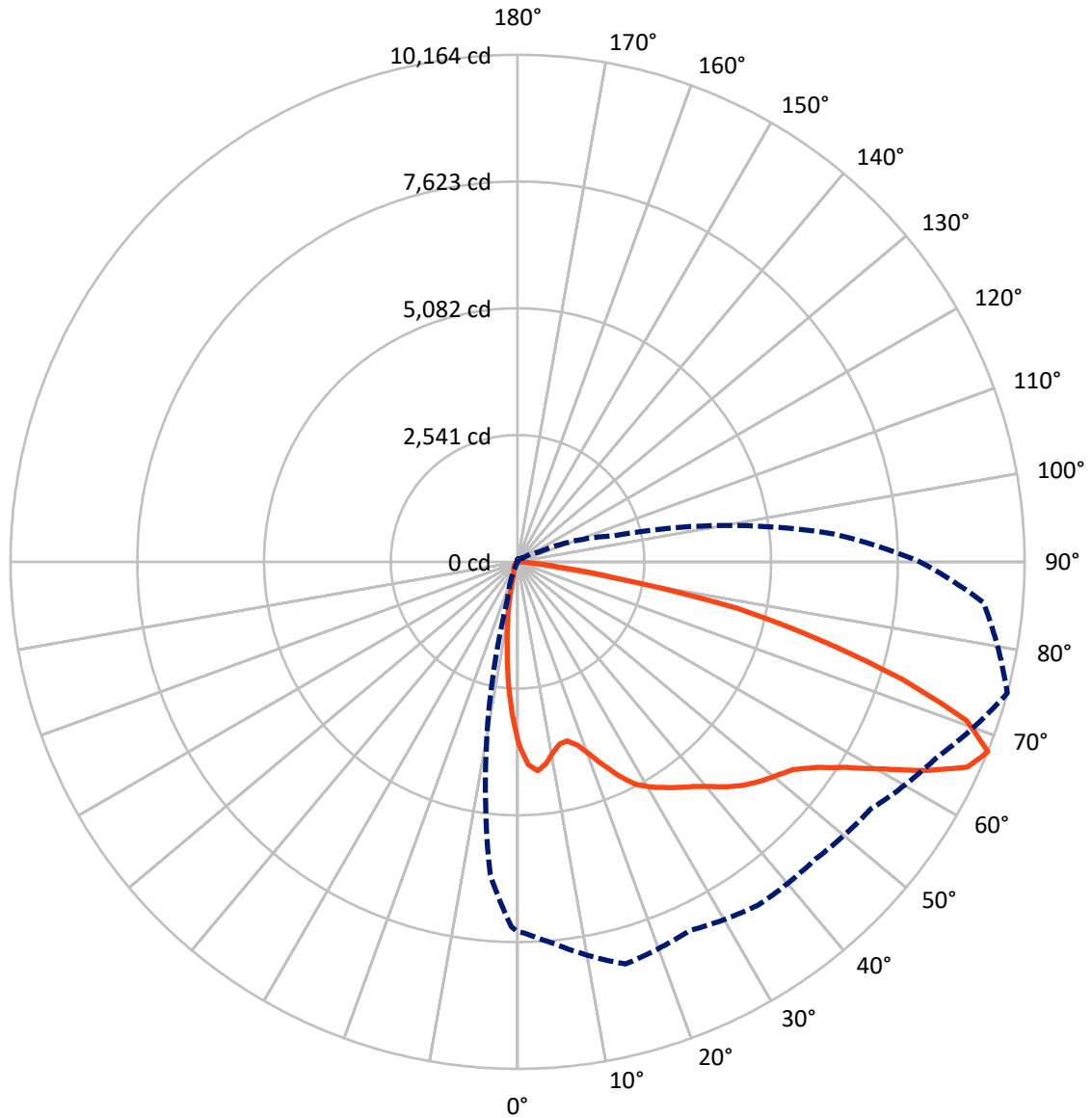
× Max cd
 - - - 1/2 Max cd



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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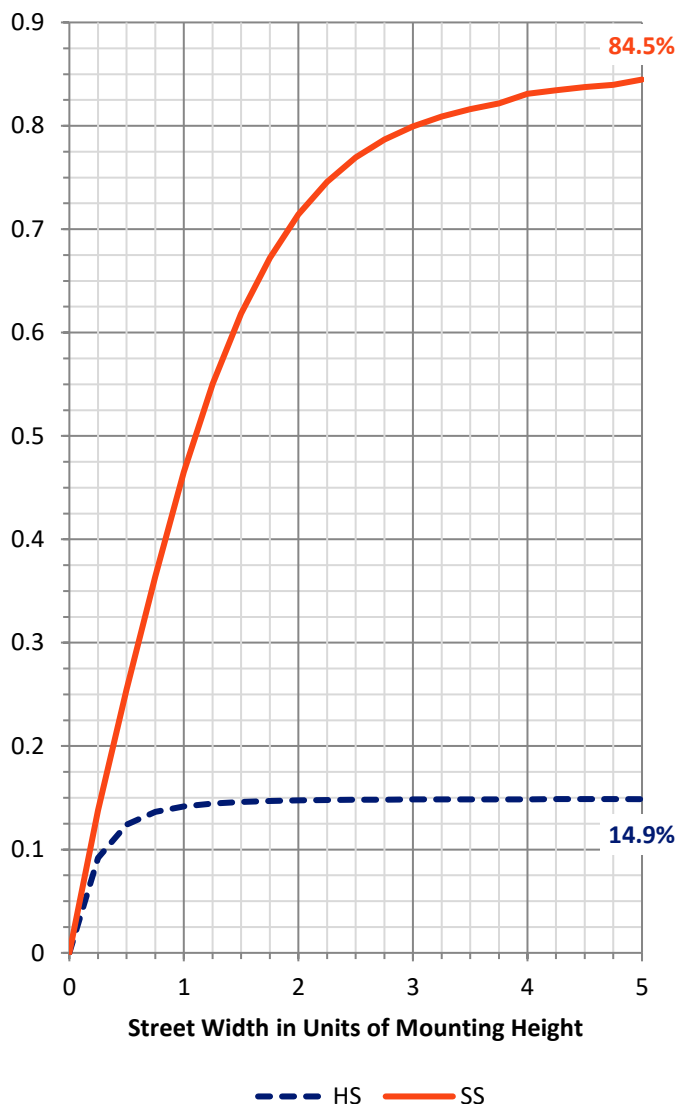
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1642.1	0.0	1642.1
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	9300.9	0.0	9300.9
	% Fixture	85.0	0.0	85.0
Total	Lumens	10943.0	0.0	10943.0
	% 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°	1140.5	10.4
40°-50°	1639.3	15.0
50°-60°	2307.7	21.1
60°-70°	2695.2	24.6
70°-80°	1375.0	12.6
80°-90°	182.7	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°	10943.0	100.0
0°-180°	10943.0	100.0

Coefficient of Utilization

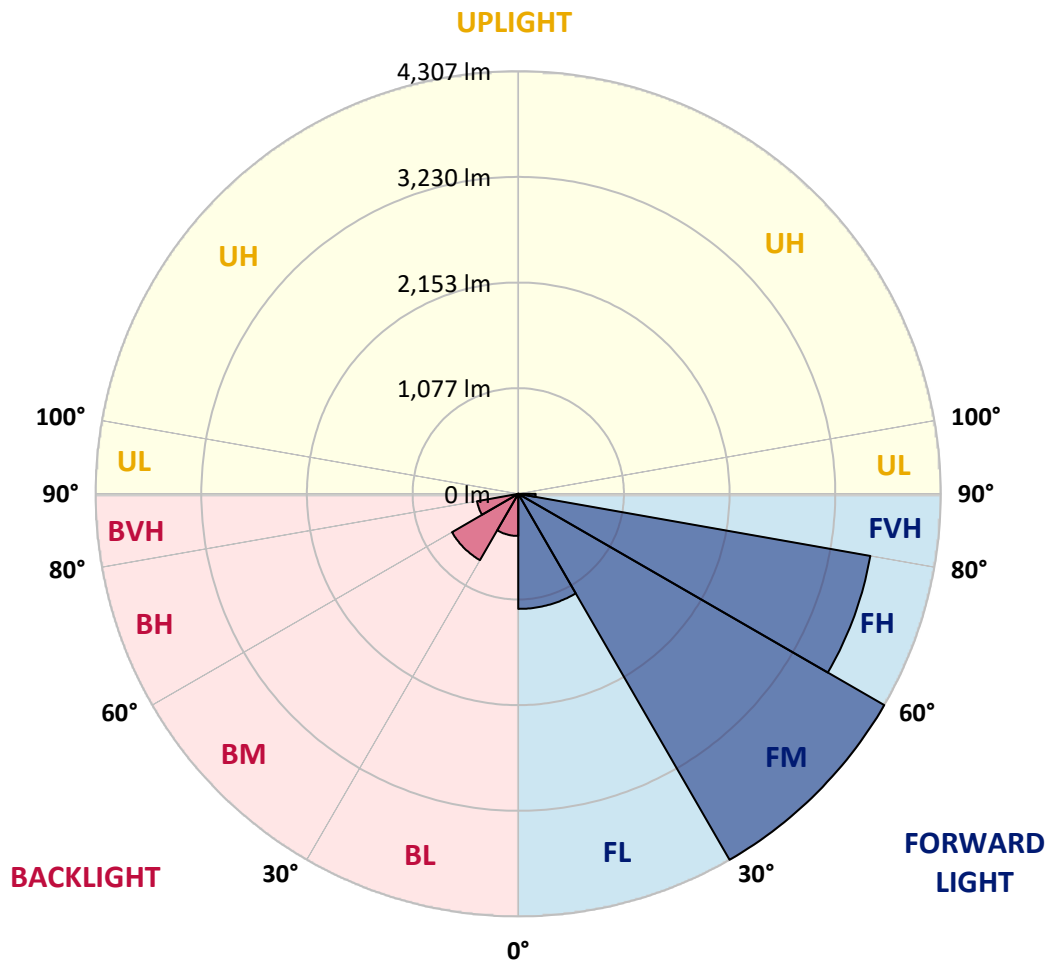


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1173.1	10.7			
FM (30°-60°)	4307.0	39.4			
FH (60°-80°)	3643.7	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°)	780.6	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°	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2
2.5°	3979.6	3985.8	4018.0	4092.6	4174.0	4180.2	4235.2	4178.7	4159.5	4068.3	3973.9
5°	4009.7	4033.5	4144.0	4363.2	4553.5	4614.6	4658.2	4547.3	4430.6	4207.7	3969.8
7.5°	3767.6	3807.5	3981.2	4392.8	4732.8	4883.2	4911.7	4738.0	4452.4	4085.4	3727.7
10°	3457.6	3503.2	3712.7	4218.6	4685.7	4943.3	4982.7	4755.1	4344.6	3887.4	3465.9
12.5°	3206.7	3260.1	3474.2	4022.7	4523.4	4808.5	4886.3	4697.6	4251.3	3746.9	3287.1
15°	3091.1	3152.3	3377.3	3896.2	4343.5	4568.0	4632.3	4550.9	4199.4	3724.6	3245.6
17.5°	3157.5	3223.8	3456.1	3907.1	4174.5	4270.4	4322.3	4355.5	4199.4	3858.8	3366.9
20°	3429.6	3501.2	3746.9	4017.5	4034.6	3998.8	4054.3	4170.9	4248.1	4113.9	3658.2
22.5°	3806.0	3889.9	4167.3	4206.7	3966.1	3830.9	3838.1	4021.1	4336.8	4437.4	4062.6
25°	4264.7	4367.4	4649.4	4488.7	3994.7	3730.8	3728.2	3897.7	4423.4	4761.3	4513.0
27.5°	4720.4	4833.4	5081.2	4832.9	4112.3	3712.7	3707.5	3860.4	4507.9	5049.6	5005.0
30°	5102.4	5212.3	5425.9	5082.2	4239.3	3755.2	3730.3	3900.3	4558.1	5236.7	5363.7
32.5°	5413.5	5501.6	5674.2	5253.8	4375.2	3837.6	3783.7	4007.1	4643.7	5394.8	5693.4
35°	5755.6	5848.4	5917.3	5417.1	4527.6	3956.3	3879.1	4176.6	4775.3	5555.5	6054.7
37.5°	6146.0	6238.2	6229.9	5566.4	4720.9	4152.8	4103.5	4445.1	4980.1	5714.7	6458.0
40°	6528.0	6622.3	6555.0	5729.7	4948.0	4476.8	4440.5	4848.4	5254.3	5918.4	6930.8
42.5°	6885.7	6987.8	6843.7	5884.2	5218.6	4885.2	4947.4	5367.9	5597.5	6169.3	7338.2
45°	7173.9	7278.1	7085.8	6034.5	5503.7	5380.8	5568.0	5943.3	6010.1	6381.3	7613.5
47.5°	7383.3	7481.8	7253.7	6184.8	5868.6	5986.8	6312.9	6546.7	6382.9	6565.3	7808.9
50°	7517.1	7593.8	7303.0	6373.0	6347.6	6693.9	7088.9	7202.9	6733.8	6731.2	8046.3
52.5°	7602.1	7636.8	7339.3	6569.5	6847.3	7463.7	7848.8	7884.6	7095.1	6913.7	8366.2
55°	7895.0	7923.0	7596.4	6807.4	7260.5	8138.1	8536.2	8503.0	7504.1	7270.8	8743.6
57.5°	8394.7	8424.2	8127.7	7149.5	7594.8	8554.9	9034.4	9094.0	7983.6	7772.6	9147.9
60°	8645.6	8700.5	8594.8	7582.9	7918.8	8821.3	9373.9	9564.2	8582.9	8434.1	9539.8
62.5°	8418.0	8497.9	8651.3	8063.4	8240.7	8968.0	9479.7	9732.6	9196.6	9204.9	9781.4
65°	7963.9	8027.7	8287.9	8326.8	8427.4	8949.9	9218.4	9497.3	9572.5	9913.0	9768.4
67.5°	7415.5	7439.3	7660.1	8347.5	8156.8	8404.5	8433.6	8639.9	9275.4	10163.9	9376.0
70°	6626.0	6638.9	6831.8	7653.4	7009.6	7064.0	7021.0	7063.0	7974.3	9552.8	8385.4
72.5°	5332.6	5365.3	5639.5	6355.9	5106.6	4949.5	5287.5	5268.8	6141.3	8070.7	6227.9
75°	3926.2	3982.7	4396.9	5119.6	3584.1	3242.0	3488.7	3554.6	4365.8	6242.9	3894.6
77.5°	2749.0	2791.0	3192.2	3763.5	2594.0	2318.2	2229.0	2307.3	2881.7	4516.2	1962.1
80°	1583.7	1599.2	1855.3	2173.1	1748.0	1999.9	1811.7	1865.7	1726.7	2009.3	843.9
82.5°	1036.2	1038.8	1138.9	1293.4	1088.6	1264.9	936.2	1196.9	1062.2	807.1	274.7
85°	559.9	563.0	660.4	918.1	616.4	348.4	204.8	420.4	656.8	185.1	75.2
87.5°	61.7	56.5	199.1	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°	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2
2.5°	3925.7	3882.7	3775.4	3661.9	3570.6	3485.1	3399.0	3293.8	3212.4	3195.8	3168.9
5°	3841.7	3705.4	3480.4	3254.4	3072.5	2842.8	2697.1	2583.6	2472.7	2465.9	2443.7
7.5°	3548.3	3369.0	3052.2	2739.7	2483.6	2264.8	2044.0	1896.2	1780.1	1739.2	1714.8
10°	3266.3	3064.7	2669.2	2312.5	2083.9	1890.5	1735.0	1580.6	1440.6	1344.2	1300.6
12.5°	3069.3	2846.4	2410.5	2103.1	1939.3	1755.8	1566.0	1373.2	1212.0	1095.9	1024.8
15°	2993.1	2755.2	2323.9	2020.1	1818.0	1585.7	1343.1	1122.8	944.0	838.7	775.0
17.5°	3083.9	2807.0	2317.2	1919.1	1636.5	1347.8	1079.8	819.6	651.1	571.3	530.3
20°	3314.0	2971.9	2314.6	1795.2	1420.9	1065.8	731.4	539.1	437.0	392.4	373.2
22.5°	3639.6	3182.4	2335.3	1672.8	1196.4	761.5	504.9	396.0	343.7	319.8	309.0
25°	4058.4	3477.8	2393.9	1561.9	985.4	568.1	393.5	331.8	295.0	276.3	268.5
27.5°	4504.7	3817.9	2485.1	1465.5	813.9	453.1	336.9	284.1	257.6	244.7	237.4
30°	4872.8	4211.9	2577.4	1358.2	689.4	395.0	308.4	259.2	228.6	220.3	213.6
32.5°	5194.7	4509.9	2642.7	1261.2	608.1	350.9	278.9	231.7	211.0	194.9	187.7
35°	5528.0	4758.2	2640.6	1193.3	552.1	317.8	254.0	207.4	182.5	163.8	158.1
37.5°	5888.8	5038.7	2595.5	1135.3	527.7	291.3	240.0	194.4	169.5	150.8	143.6
40°	6311.3	5333.1	2549.4	1080.8	521.0	270.1	230.2	184.0	157.6	139.4	132.2
42.5°	6722.9	5598.5	2509.0	1040.4	491.9	269.6	221.3	176.3	148.3	130.6	122.3
45°	7052.1	5845.8	2501.2	1016.0	461.4	278.9	216.7	171.1	141.0	123.4	115.6
47.5°	7325.8	6114.3	2551.0	998.9	432.3	254.5	228.1	167.4	134.3	117.2	108.3
50°	7651.3	6444.0	2668.1	970.9	401.7	229.1	261.3	168.5	128.6	110.9	101.6
52.5°	8105.4	6900.2	2840.2	923.8	359.8	205.8	257.1	169.5	122.3	104.2	94.9
55°	8614.5	7469.9	3025.3	845.5	301.2	175.2	220.3	162.3	110.4	96.9	88.1
57.5°	9149.5	7986.7	3135.2	752.2	239.5	151.4	176.3	147.7	97.5	87.1	81.4
60°	9233.4	8183.2	3084.9	637.6	190.2	131.7	130.6	150.3	87.1	76.7	72.6
62.5°	9024.5	7936.4	2841.8	535.5	159.1	115.6	107.3	131.2	78.8	68.4	64.3
65°	8622.8	7269.3	2447.8	482.6	147.7	99.0	89.2	92.3	68.9	59.6	56.0
67.5°	8064.0	6378.7	2009.8	452.5	146.2	85.0	76.2	70.0	59.6	51.8	48.7
70°	6921.5	5313.9	1603.4	436.0	142.0	71.5	64.3	57.0	49.8	44.1	41.5
72.5°	5094.2	3765.5	1247.2	417.8	143.1	57.0	56.0	47.2	39.9	34.2	33.2
75°	2943.4	2151.3	818.0	338.5	136.3	44.1	46.7	33.2	28.0	23.8	23.8
77.5°	1568.6	1312.0	311.5	141.0	49.8	28.0	26.4	19.7	17.6	14.5	14.0
80°	683.7	577.5	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°	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2
2.5°	3113.9	3102.5	3035.1	3037.7	3049.6	3066.8	3026.3	3045.0	3095.3	3143.5	3161.6
5°	2407.9	2410.5	2369.5	2394.9	2417.7	2433.3	2368.0	2369.0	2408.9	2463.4	2491.9
7.5°	1696.7	1692.5	1694.6	1755.2	1798.3	1767.2	1791.5	1707.0	1712.2	1751.1	1722.1
10°	1261.2	1204.2	1172.1	1217.7	1264.9	1247.7	1205.8	1178.3	1197.5	1240.5	1237.4
12.5°	991.1	909.2	861.0	828.4	867.3	835.1	834.1	810.2	784.3	789.0	857.9
15°	745.4	685.8	628.8	576.4	575.4	564.5	509.1	446.8	441.7	444.8	480.5
17.5°	512.7	492.5	469.1	424.0	412.1	366.5	312.6	287.7	275.3	281.0	292.9
20°	360.3	352.5	355.1	330.7	313.6	270.1	238.5	228.6	226.5	232.2	237.9
22.5°	298.6	284.6	283.0	272.2	255.0	223.4	206.3	200.6	198.0	203.2	207.4
25°	261.3	247.3	241.6	234.8	216.7	194.9	184.5	179.4	176.8	179.9	182.5
27.5°	230.2	217.2	212.0	207.4	189.7	174.2	165.9	161.2	159.1	160.2	162.8
30°	206.8	195.4	188.7	183.0	168.0	157.1	149.8	145.1	143.1	143.1	145.7
32.5°	182.5	176.3	170.0	162.8	148.8	141.5	134.3	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	131.2	127.5	120.8	112.5	103.2	98.0	95.4	96.9	98.0
40°	123.9	112.5	108.3	112.0	110.9	97.5	89.2	84.0	81.9	82.4	83.5
42.5°	114.6	101.1	91.8	91.2	97.5	85.0	76.2	71.5	68.9	68.9	70.0
45°	105.8	91.2	79.8	71.0	81.9	72.1	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	35.3	36.3
52.5°	86.1	66.4	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	35.3	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°	66.4	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°	35.3	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-750-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2	3671.2
2.5°	3234.7	3295.9	3381.9	3473.2	3613.6	3725.1	3834.5	3928.3	3964.6	3979.6
5°	2560.3	2650.0	2775.9	2937.7	3191.2	3419.3	3650.5	3883.2	3984.3	4009.7
7.5°	1837.1	1951.7	2111.9	2314.6	2611.6	2907.1	3230.0	3571.7	3728.2	3767.6
10°	1359.7	1499.7	1683.2	1896.8	2180.3	2484.1	2836.1	3226.4	3405.3	3457.6
12.5°	964.7	1153.9	1399.6	1659.3	1905.1	2176.2	2532.3	2962.6	3150.2	3206.7
15°	566.6	749.6	1040.4	1388.2	1702.9	1977.6	2339.5	2827.3	3034.1	3091.1
17.5°	325.0	416.3	636.1	1023.8	1451.0	1831.4	2278.8	2861.0	3104.6	3157.5
20°	248.3	277.3	366.5	659.4	1156.5	1687.9	2278.8	3051.7	3351.9	3429.6
22.5°	217.2	238.5	274.7	393.5	851.2	1533.9	2305.2	3327.5	3719.9	3806.0
25°	192.8	212.0	243.1	296.0	580.6	1350.9	2368.0	3666.0	4153.3	4264.7
27.5°	172.6	190.8	218.8	259.2	397.1	1130.1	2452.5	4063.1	4631.2	4720.4
30°	154.5	171.6	197.0	225.5	306.4	879.7	2524.5	4437.4	5006.5	5102.4
32.5°	137.4	152.9	175.7	197.0	250.9	650.6	2532.3	4733.9	5318.1	5413.5
35°	121.3	135.3	156.0	172.6	207.9	513.7	2411.5	4991.0	5629.6	5755.6
37.5°	105.8	119.2	137.4	149.8	183.0	418.9	2227.0	5277.7	6029.3	6146.0
40°	91.2	103.2	121.8	130.1	173.1	321.9	2026.4	5578.3	6421.2	6528.0
42.5°	77.8	89.2	107.3	123.4	151.9	240.5	1809.7	5860.3	6773.7	6885.7
45°	64.8	76.7	94.9	130.6	126.0	179.9	1578.0	6047.5	7052.1	7173.9
47.5°	52.4	65.8	90.7	124.4	100.6	132.2	1394.5	6224.7	7263.1	7383.3
50°	42.0	55.5	102.1	110.9	82.4	101.1	1317.7	6383.4	7401.5	7517.1
52.5°	34.2	46.7	96.4	85.0	68.9	83.5	1359.2	6640.5	7529.5	7602.1
55°	28.5	36.8	58.1	59.1	58.6	71.0	1410.5	7009.6	7860.8	7895.0
57.5°	24.9	29.5	40.4	45.6	49.2	63.2	1411.6	7539.4	8373.4	8394.7
60°	21.3	25.9	33.7	36.8	42.5	56.5	1360.2	7724.4	8575.1	8645.6
62.5°	18.7	22.8	28.0	30.6	35.8	50.8	1240.0	7456.4	8298.3	8418.0
65°	16.6	20.7	23.3	25.9	31.6	45.6	1042.0	6920.4	7839.0	7963.9
67.5°	14.5	18.1	20.7	23.3	28.5	40.4	767.2	6297.8	7311.8	7415.5
70°	13.0	16.1	18.7	20.7	24.9	34.2	465.5	5344.0	6582.9	6626.0
72.5°	12.4	14.5	17.1	18.7	21.8	30.1	235.9	3927.3	5262.6	5332.6
75°	10.9	13.0	15.6	16.6	19.2	25.9	95.9	2579.5	3813.7	3926.2
77.5°	8.8	11.9	14.0	15.0	16.6	21.3	48.7	1648.5	2676.4	2749.0
80°	3.1	8.8	11.9	12.4	14.0	15.6	32.1	902.5	1552.6	1583.7
82.5°	0.0	5.7	9.3	8.8	9.8	11.9	20.7	429.2	1024.8	1036.2
85°	0.0	2.6	7.3	5.7	4.1	8.3	7.3	93.8	537.6	559.9
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)