

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P324166

Luminaire Tested: **GAN-SA2C-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324166
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 (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY 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: 10729 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

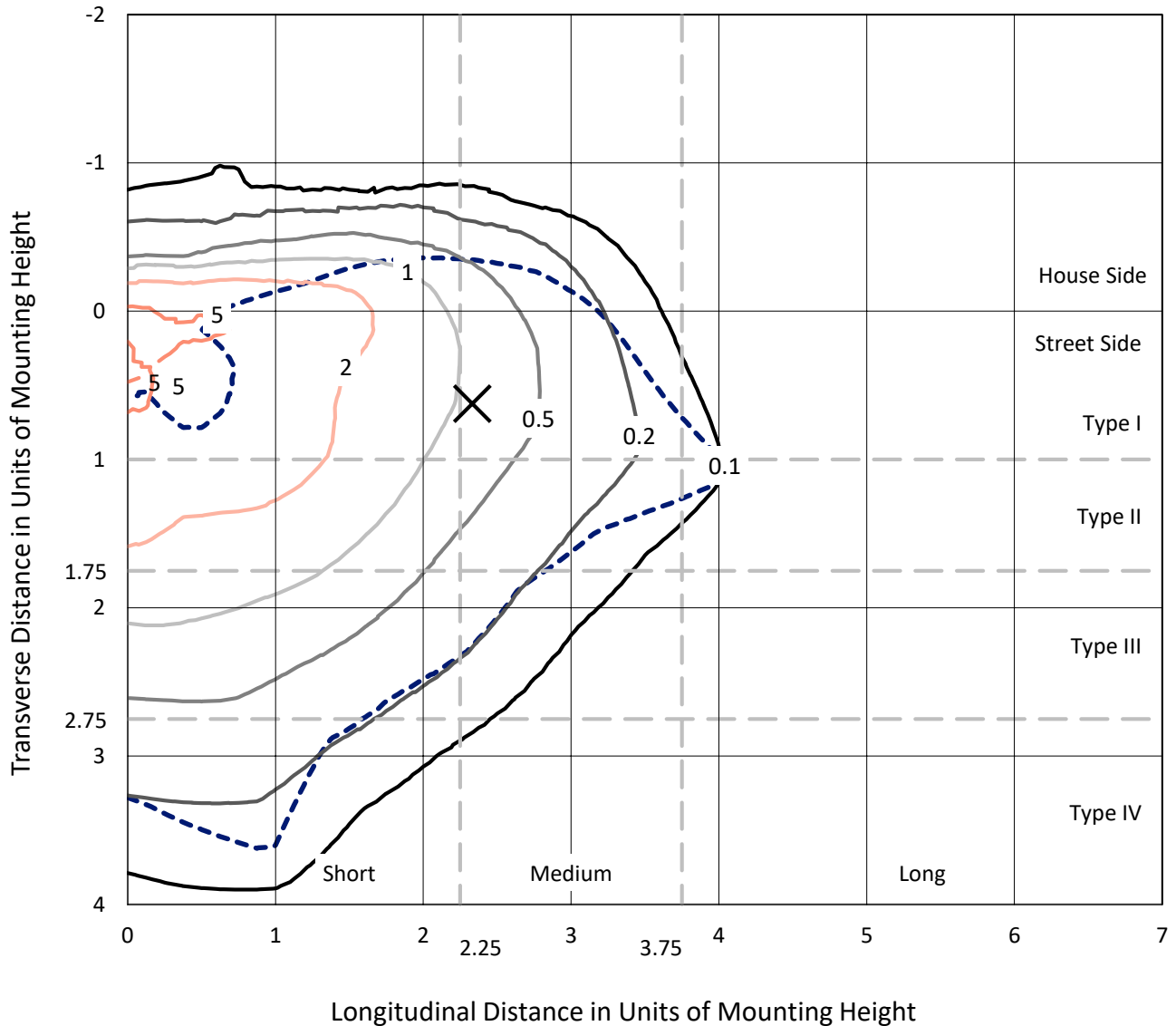
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

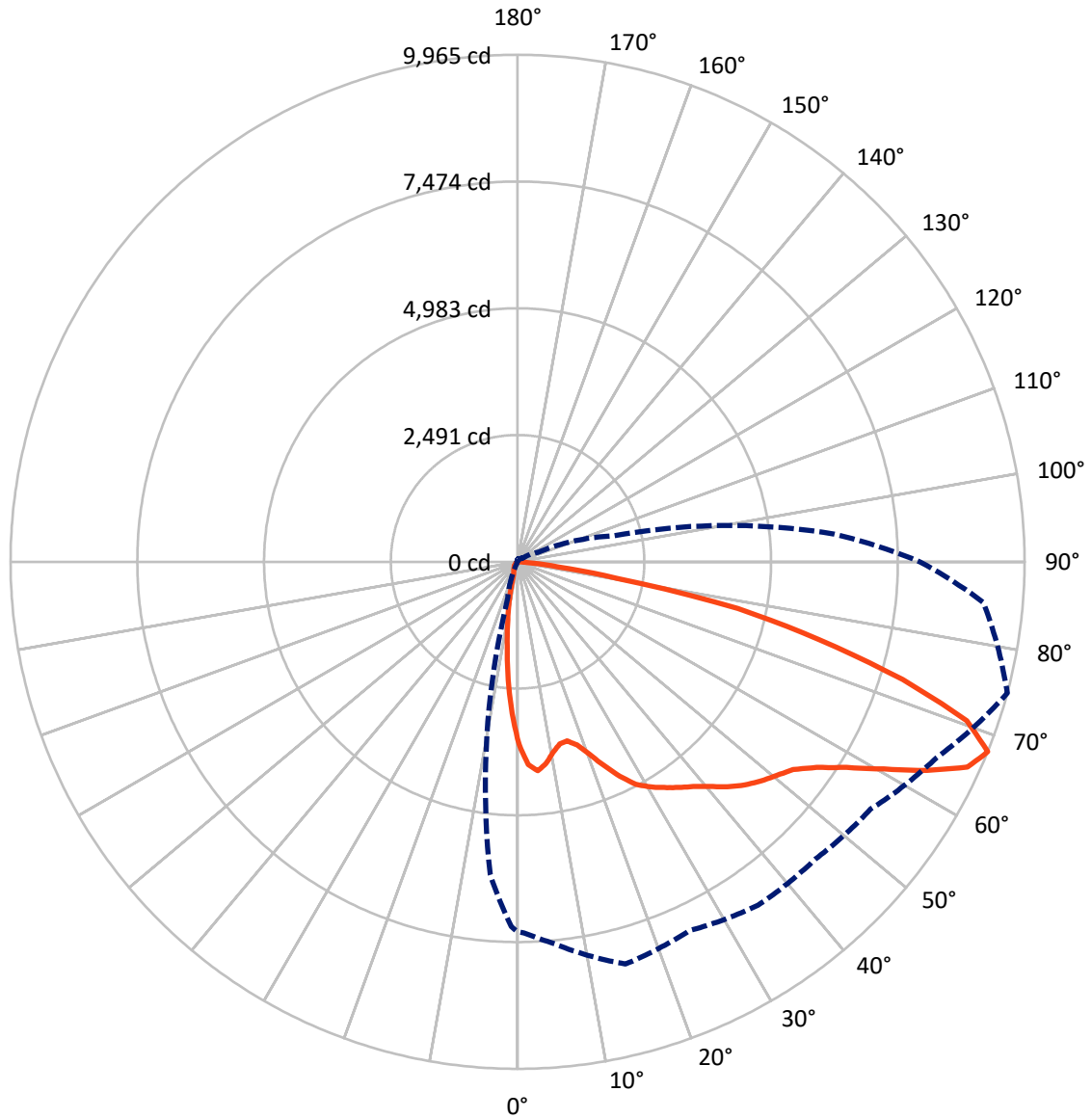
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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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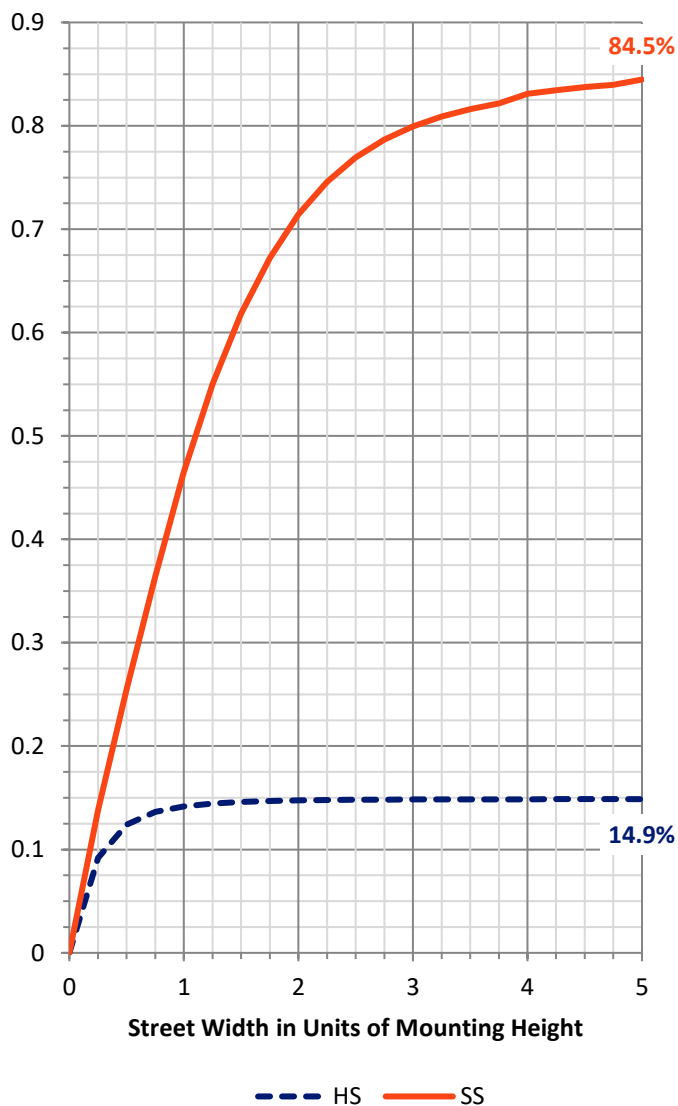
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1610.0	0.0	1610.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	9119.0	0.0	9119.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	10729.0	0.0	10729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.0	2.5
10°-20°	537.6	5.0
20°-30°	760.6	7.1
30°-40°	1118.2	10.4
40°-50°	1607.3	15.0
50°-60°	2262.6	21.1
60°-70°	2642.5	24.6
70°-80°	1348.1	12.6
80°-90°	179.1	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°	10729.0	100.0
0°-180°	10729.0	100.0

Coefficient of Utilization

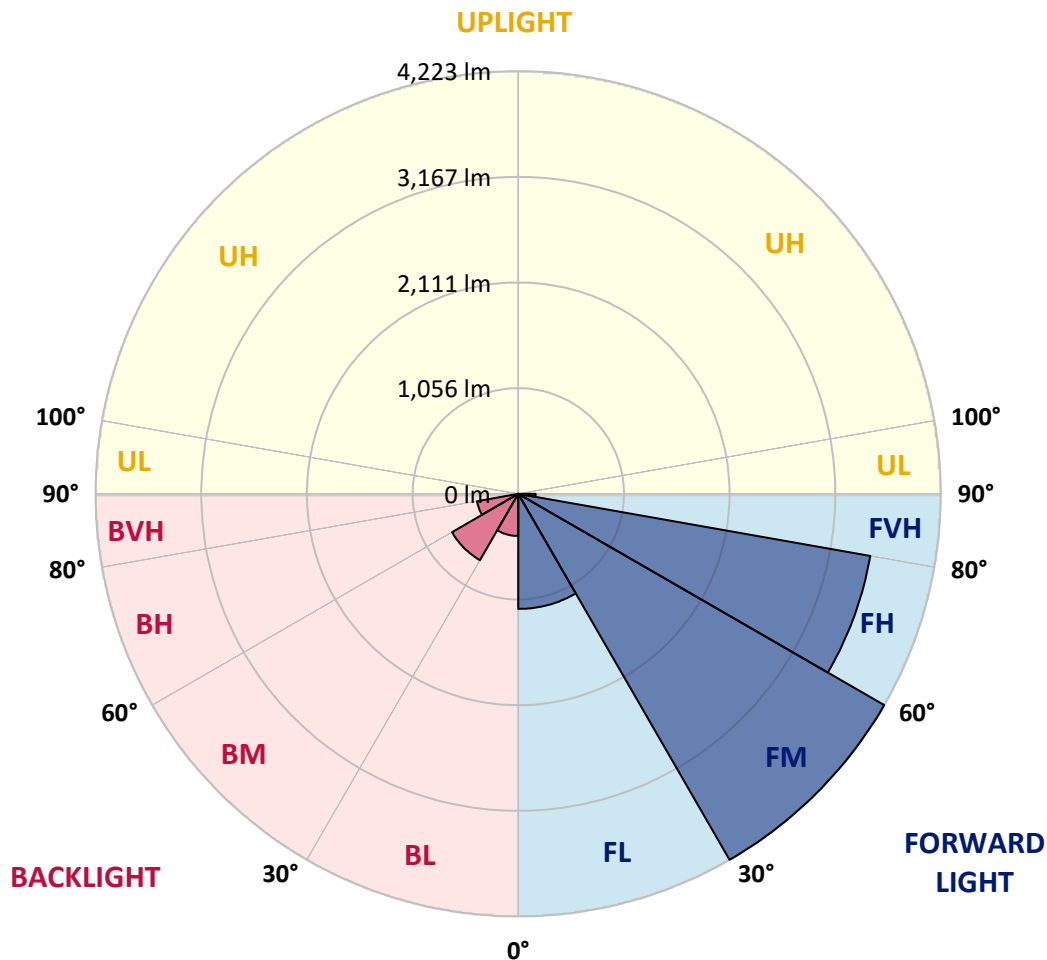


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1150.1	10.7			
FM (30°-60°)	4222.7	39.4			
FH (60°-80°)	3572.4	33.3			G2/5000
FVH (80°-90°)	173.7	1.6			G2/225
BL (0°-30°)	421.0	3.9	B1/500		
BM (30°-60°)	765.3	7.1	B1/1000		
BH (60°-80°)	418.2	3.9	B1/500		G1/500
BVH (80°-90°)	5.4	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°	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4
2.5°	3901.8	3907.9	3939.4	4012.6	4092.4	4098.5	4152.4	4097.0	4078.2	3988.7	3896.2
5°	3931.3	3954.7	4062.9	4277.9	4464.4	4524.4	4567.1	4458.3	4344.0	4125.4	3892.1
7.5°	3693.9	3733.1	3903.3	4306.9	4640.3	4787.7	4815.6	4645.4	4365.3	4005.5	3654.8
10°	3390.0	3434.7	3640.1	4136.1	4594.0	4846.6	4885.3	4662.1	4259.6	3811.3	3398.1
12.5°	3144.0	3196.4	3406.3	3944.0	4435.0	4714.5	4790.7	4605.7	4168.1	3673.6	3222.8
15°	3030.7	3090.6	3311.2	3820.0	4258.6	4478.7	4541.7	4461.9	4117.3	3651.7	3182.1
17.5°	3095.7	3160.8	3388.5	3830.6	4092.9	4186.9	4237.8	4270.3	4117.3	3783.4	3301.1
20°	3362.6	3432.7	3673.6	3938.9	3955.7	3920.6	3975.0	4089.3	4165.1	4033.4	3586.7
22.5°	3731.5	3813.9	4085.8	4124.4	3888.6	3755.9	3763.1	3942.5	4252.0	4350.6	3983.1
25°	4181.3	4282.0	4558.5	4400.9	3916.5	3657.8	3655.3	3821.5	4336.9	4668.2	4424.8
27.5°	4628.1	4738.9	4981.8	4738.4	4031.9	3640.1	3635.0	3784.9	4419.7	4950.8	4907.1
30°	5002.7	5110.4	5319.8	4982.8	4156.4	3681.7	3657.3	3824.0	4469.0	5134.3	5258.8
32.5°	5307.6	5394.0	5563.3	5151.1	4289.6	3762.5	3709.7	3928.7	4552.9	5289.3	5582.1
35°	5643.1	5734.0	5801.6	5311.2	4439.0	3878.9	3803.2	4094.9	4682.0	5446.9	5936.3
37.5°	6025.8	6116.2	6108.1	5457.5	4628.6	4071.6	4023.3	4358.2	4882.7	5602.9	6331.7
40°	6400.3	6492.8	6426.8	5617.6	4851.2	4389.2	4353.6	4753.6	5151.6	5802.6	6795.2
42.5°	6751.0	6851.2	6709.9	5769.1	5116.5	4789.7	4850.7	5262.9	5488.0	6048.6	7194.7
45°	7033.6	7135.8	6947.2	5916.5	5396.0	5275.6	5459.1	5827.0	5892.6	6256.5	7464.6
47.5°	7238.9	7335.5	7111.9	6063.9	5753.8	5869.7	6189.4	6418.6	6258.0	6436.9	7656.2
50°	7370.1	7445.3	7160.2	6248.4	6223.5	6563.0	6950.3	7062.1	6602.1	6599.6	7889.0
52.5°	7453.4	7487.5	7195.7	6441.0	6713.4	7317.7	7695.3	7730.4	6956.4	6778.5	8202.6
55°	7740.6	7768.0	7447.8	6674.3	7118.5	7978.9	8369.3	8336.8	7357.4	7128.7	8572.6
57.5°	8230.5	8259.5	7968.8	7009.7	7446.3	8387.6	8857.7	8916.2	7827.5	7620.6	8969.0
60°	8476.5	8530.4	8426.7	7434.6	7764.0	8648.8	9190.6	9377.1	8415.0	8269.2	9353.2
62.5°	8253.4	8331.7	8482.1	7905.8	8079.6	8792.7	9294.3	9542.3	9016.8	9024.9	9590.1
65°	7808.2	7870.7	8125.8	8164.0	8262.6	8774.9	9038.1	9311.6	9385.3	9719.2	9577.4
67.5°	7270.5	7293.8	7510.3	8184.3	7997.2	8240.2	8268.6	8470.9	9094.0	9965.2	9192.6
70°	6496.4	6509.1	6698.2	7503.7	6872.5	6925.9	6883.7	6924.8	7818.3	9366.0	8221.4
72.5°	5228.3	5260.3	5529.2	6231.6	5006.7	4852.7	5184.1	5165.8	6021.2	7912.9	6106.1
75°	3849.5	3904.9	4310.9	5019.4	3514.0	3178.6	3420.5	3485.0	4280.4	6120.8	3818.4
77.5°	2695.2	2736.4	3129.8	3689.9	2543.3	2272.9	2185.5	2262.2	2825.3	4427.8	1923.7
80°	1552.7	1567.9	1819.0	2130.6	1713.8	1960.8	1776.3	1829.2	1693.0	1970.0	827.4
82.5°	1016.0	1018.5	1116.6	1268.1	1067.3	1240.1	917.9	1173.5	1041.4	791.3	269.4
85°	548.9	552.0	647.5	900.1	604.3	341.5	200.8	412.2	643.9	181.4	73.7
87.5°	60.5	55.4	195.2	327.3	167.7	31.0	10.7	46.3	103.2	11.7	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°	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4
2.5°	3848.9	3806.8	3701.6	3590.2	3500.8	3416.9	3332.6	3229.4	3149.6	3133.3	3106.9
5°	3766.6	3632.9	3412.4	3190.8	3012.4	2787.2	2644.4	2533.1	2424.3	2417.7	2395.9
7.5°	3478.9	3303.1	2992.6	2686.1	2435.0	2220.5	2004.0	1859.2	1745.3	1705.2	1681.3
10°	3202.5	3004.7	2617.0	2267.3	2043.1	1853.6	1701.1	1549.6	1412.4	1317.9	1275.2
12.5°	3009.3	2790.8	2363.3	2062.0	1901.3	1721.4	1535.4	1346.3	1188.3	1074.4	1004.8
15°	2934.6	2701.3	2278.5	1980.6	1782.4	1554.7	1316.9	1100.9	925.5	822.3	759.8
17.5°	3023.6	2752.2	2271.9	1881.5	1604.5	1321.4	1058.7	803.5	638.4	560.1	519.9
20°	3249.2	2913.8	2269.3	1760.1	1393.1	1045.0	717.1	528.6	428.5	384.7	365.9
22.5°	3568.4	3120.1	2289.6	1640.1	1173.0	746.6	495.0	388.3	337.0	313.6	302.9
25°	3979.1	3409.8	2347.1	1531.3	966.2	557.0	385.8	325.3	289.2	270.9	263.3
27.5°	4416.7	3743.2	2436.5	1436.8	797.9	444.2	330.4	278.5	252.6	239.9	232.8
30°	4777.5	4129.5	2527.0	1331.6	676.0	387.3	302.4	254.1	224.1	216.0	209.4
32.5°	5093.1	4421.7	2591.0	1236.6	596.2	344.1	273.4	227.2	206.9	191.1	184.0
35°	5419.9	4665.2	2589.0	1170.0	541.3	311.6	249.0	203.3	178.9	160.6	155.0
37.5°	5773.7	4940.1	2544.8	1113.1	517.4	285.6	235.3	190.6	166.2	147.9	140.8
40°	6187.9	5228.8	2499.6	1059.7	510.8	264.8	225.7	180.4	154.5	136.7	129.6
42.5°	6591.4	5489.1	2459.9	1020.0	482.3	264.3	217.0	172.8	145.4	128.1	119.9
45°	6914.2	5731.5	2452.3	996.2	452.3	273.4	212.4	167.7	138.2	121.0	113.3
47.5°	7182.5	5994.8	2501.1	979.4	423.9	249.5	223.6	164.2	131.6	114.9	106.2
50°	7501.7	6318.0	2615.9	951.9	393.9	224.6	256.2	165.2	126.0	108.8	99.6
52.5°	7946.9	6765.3	2784.7	905.7	352.7	201.8	252.1	166.2	119.9	102.2	93.0
55°	8446.0	7323.8	2966.1	828.9	295.3	171.8	216.0	159.1	108.3	95.0	86.4
57.5°	8970.5	7830.5	3073.9	737.5	234.8	148.4	172.8	144.9	95.6	85.4	79.8
60°	9052.9	8023.2	3024.6	625.1	186.5	129.1	128.1	147.4	85.4	75.2	71.2
62.5°	8848.0	7781.2	2786.2	525.0	156.0	113.3	105.2	128.6	77.3	67.1	63.0
65°	8454.2	7127.1	2399.9	473.2	144.9	97.1	87.4	90.5	67.6	58.4	54.9
67.5°	7906.3	6254.0	1970.5	443.7	143.3	83.4	74.7	68.6	58.4	50.8	47.8
70°	6786.1	5210.0	1572.0	427.4	139.3	70.1	63.0	55.9	48.8	43.2	40.7
72.5°	4994.5	3691.9	1222.8	409.6	140.3	55.9	54.9	46.3	39.1	33.5	32.5
75°	2885.8	2109.2	802.0	331.9	133.7	43.2	45.7	32.5	27.4	23.4	23.4
77.5°	1538.0	1286.4	305.5	138.2	48.8	27.4	25.9	19.3	17.3	14.2	13.7
80°	670.4	566.2	92.0	38.6	26.9	14.7	9.7	8.6	7.6	6.1	5.6
82.5°	237.4	204.8	30.0	18.8	11.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	53.9	38.6	0.0	4.6	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°	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4
2.5°	3053.0	3041.9	2975.8	2978.3	2990.0	3006.8	2967.1	2985.4	3034.7	3082.0	3099.8
5°	2360.8	2363.3	2323.2	2348.1	2370.5	2385.7	2321.7	2322.7	2361.8	2415.2	2443.1
7.5°	1663.5	1659.4	1661.5	1720.9	1763.1	1732.6	1756.5	1673.7	1678.7	1716.9	1688.4
10°	1236.6	1180.7	1149.1	1193.9	1240.1	1223.3	1182.2	1155.2	1174.0	1216.2	1213.2
12.5°	971.8	891.5	844.2	812.2	850.3	818.8	817.8	794.4	769.0	773.5	841.1
15°	730.9	672.4	616.5	565.2	564.2	553.5	499.1	438.1	433.0	436.1	471.1
17.5°	502.7	482.8	460.0	415.7	404.1	359.3	306.5	282.1	269.9	275.5	287.2
20°	353.2	345.6	348.1	324.3	307.5	264.8	233.8	224.1	222.1	227.7	233.3
22.5°	292.7	279.0	277.5	266.8	250.1	219.1	202.3	196.7	194.1	199.2	203.3
25°	256.2	242.4	236.8	230.2	212.4	191.1	180.9	175.9	173.3	176.4	178.9
27.5°	225.7	213.0	207.9	203.3	186.0	170.8	162.6	158.1	156.0	157.0	159.6
30°	202.8	191.6	185.0	179.4	164.7	154.0	146.9	142.3	140.3	140.3	142.8
32.5°	178.9	172.8	166.7	159.6	145.9	138.8	131.6	126.6	124.5	125.0	127.1
35°	148.9	146.9	148.4	141.8	130.1	124.0	116.9	111.3	109.8	110.3	112.3
37.5°	132.1	123.0	128.6	125.0	118.4	110.3	101.1	96.1	93.5	95.0	96.1
40°	121.5	110.3	106.2	109.8	108.8	95.6	87.4	82.3	80.3	80.8	81.8
42.5°	112.3	99.1	90.0	89.5	95.6	83.4	74.7	70.1	67.6	67.6	68.6
45°	103.7	89.5	78.3	69.6	80.3	70.6	62.5	58.4	55.4	55.4	55.9
47.5°	97.1	81.3	68.1	56.9	60.5	57.9	51.3	47.3	44.2	44.2	44.7
50°	91.0	73.2	59.0	47.8	45.2	47.8	41.7	37.1	35.1	34.6	35.6
52.5°	84.4	65.1	50.3	40.7	35.6	36.1	32.5	29.5	26.9	26.9	28.0
55°	77.8	58.4	43.7	34.6	29.5	26.9	25.9	23.9	21.9	21.9	22.9
57.5°	71.2	51.3	37.1	28.5	23.4	21.3	21.3	19.8	18.3	18.3	19.3
60°	65.1	44.2	30.5	23.4	18.3	17.8	18.3	16.8	15.8	15.8	16.8
62.5°	57.9	37.6	24.9	19.3	14.7	14.2	15.8	14.7	13.7	13.7	14.7
65°	49.3	32.0	19.8	14.7	11.2	11.2	13.2	12.2	11.2	11.2	12.2
67.5°	41.7	26.9	15.2	10.7	8.1	8.6	11.2	10.2	9.7	9.7	10.7
70°	34.6	20.8	10.7	6.6	4.6	6.6	8.6	8.6	8.6	8.6	9.7
72.5°	25.9	14.2	6.1	2.5	2.0	4.6	7.1	8.1	7.6	7.6	9.1
75°	16.8	8.1	2.0	0.0	0.0	2.5	5.6	6.6	6.6	6.1	7.6
77.5°	9.7	2.5	0.0	0.0	0.0	0.0	3.6	3.0	2.5	2.0	3.6
80°	2.5	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: GAN-SA2C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4	3599.4
2.5°	3171.5	3231.4	3315.8	3405.2	3543.0	3652.3	3759.5	3851.5	3887.1	3901.8
5°	2510.2	2598.2	2721.7	2880.2	3128.8	3352.4	3579.1	3807.3	3906.4	3931.3
7.5°	1801.2	1913.5	2070.6	2269.3	2560.5	2850.2	3166.9	3501.8	3655.3	3693.9
10°	1333.1	1470.4	1650.3	1859.7	2137.7	2435.5	2780.6	3163.3	3338.7	3390.0
12.5°	945.8	1131.4	1372.3	1626.9	1867.8	2133.6	2482.8	2904.6	3088.6	3144.0
15°	555.5	734.9	1020.0	1361.1	1669.6	1939.0	2293.7	2772.0	2974.8	3030.7
17.5°	318.7	408.1	623.6	1003.8	1422.6	1795.6	2234.2	2805.0	3043.9	3095.7
20°	243.4	271.9	359.3	646.5	1133.9	1654.8	2234.2	2992.0	3286.3	3362.6
22.5°	213.0	233.8	269.4	385.8	834.5	1503.9	2260.2	3262.4	3647.2	3731.5
25°	189.1	207.9	238.4	290.2	569.2	1324.5	2321.7	3594.3	4072.1	4181.3
27.5°	169.2	187.0	214.5	254.1	389.3	1108.0	2404.5	3983.6	4540.7	4628.1
30°	151.5	168.2	193.1	221.1	300.4	862.5	2475.2	4350.6	4908.6	5002.7
32.5°	134.7	149.9	172.3	193.1	246.0	637.8	2482.8	4641.3	5214.1	5307.6
35°	118.9	132.7	153.0	169.2	203.8	503.7	2364.4	4893.4	5519.5	5643.1
37.5°	103.7	116.9	134.7	146.9	179.4	410.7	2183.4	5174.4	5911.4	6025.8
40°	89.5	101.1	119.4	127.6	169.8	315.6	1986.7	5469.2	6295.6	6400.3
42.5°	76.2	87.4	105.2	121.0	148.9	235.8	1774.3	5745.7	6641.2	6751.0
45°	63.5	75.2	93.0	128.1	123.5	176.4	1547.1	5929.2	6914.2	7033.6
47.5°	51.3	64.5	88.9	122.0	98.6	129.6	1367.2	6103.0	7121.0	7238.9
50°	41.2	54.4	100.1	108.8	80.8	99.1	1292.0	6258.5	7256.7	7370.1
52.5°	33.5	45.7	94.5	83.4	67.6	81.8	1332.6	6510.6	7382.3	7453.4
55°	28.0	36.1	56.9	57.9	57.4	69.6	1382.9	6872.5	7707.0	7740.6
57.5°	24.4	29.0	39.6	44.7	48.3	62.0	1384.0	7391.9	8209.7	8230.5
60°	20.8	25.4	33.0	36.1	41.7	55.4	1333.6	7573.4	8407.4	8476.5
62.5°	18.3	22.4	27.4	30.0	35.1	49.8	1215.7	7310.6	8136.0	8253.4
65°	16.3	20.3	22.9	25.4	31.0	44.7	1021.6	6785.1	7685.7	7808.2
67.5°	14.2	17.8	20.3	22.9	28.0	39.6	752.2	6174.7	7168.8	7270.5
70°	12.7	15.8	18.3	20.3	24.4	33.5	456.4	5239.5	6454.2	6496.4
72.5°	12.2	14.2	16.8	18.3	21.3	29.5	231.3	3850.5	5159.7	5228.3
75°	10.7	12.7	15.2	16.3	18.8	25.4	94.0	2529.0	3739.2	3849.5
77.5°	8.6	11.7	13.7	14.7	16.3	20.8	47.8	1616.2	2624.1	2695.2
80°	3.0	8.6	11.7	12.2	13.7	15.2	31.5	884.9	1522.2	1552.7
82.5°	0.0	5.6	9.1	8.6	9.7	11.7	20.3	420.8	1004.8	1016.0
85°	0.0	2.5	7.1	5.6	4.1	8.1	7.1	92.0	527.1	548.9
87.5°	0.0	0.0	0.5	2.5	2.0	3.0	1.0	0.5	47.8	60.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)