

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: P324187

Luminaire Tested: **GAN-SA3A-750-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324187
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-SA3A-750-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 615mA 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: 10547 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

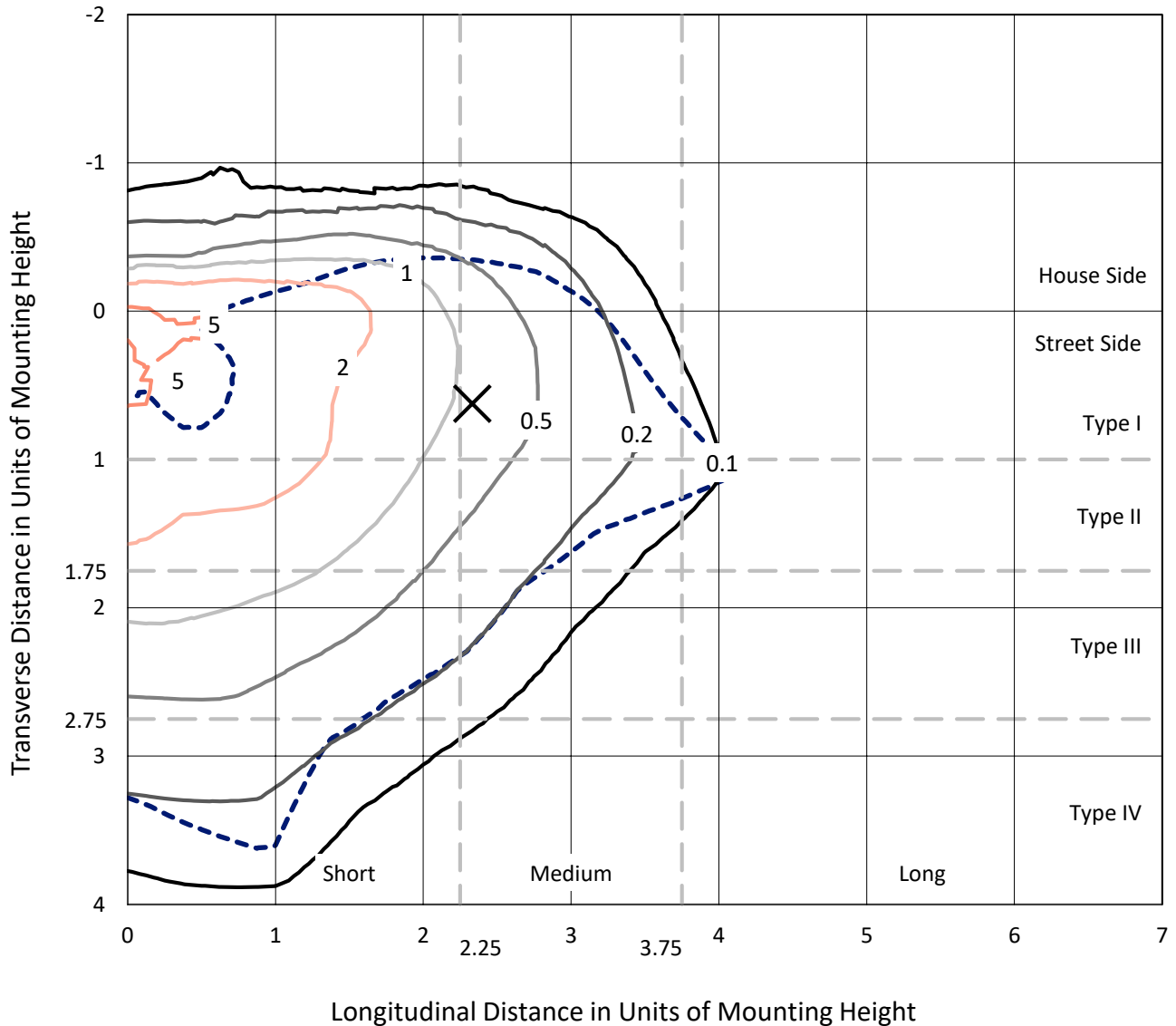
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

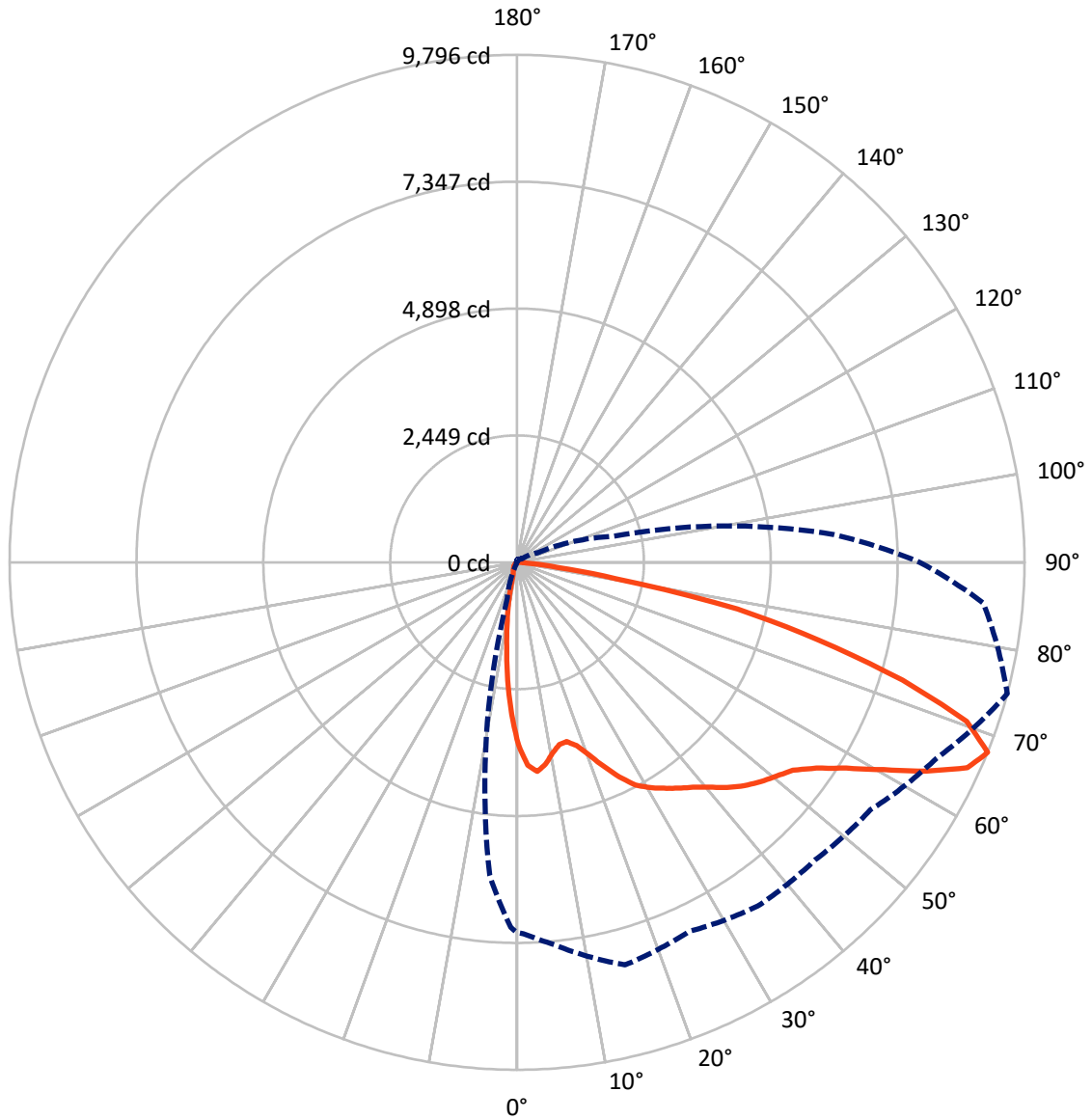
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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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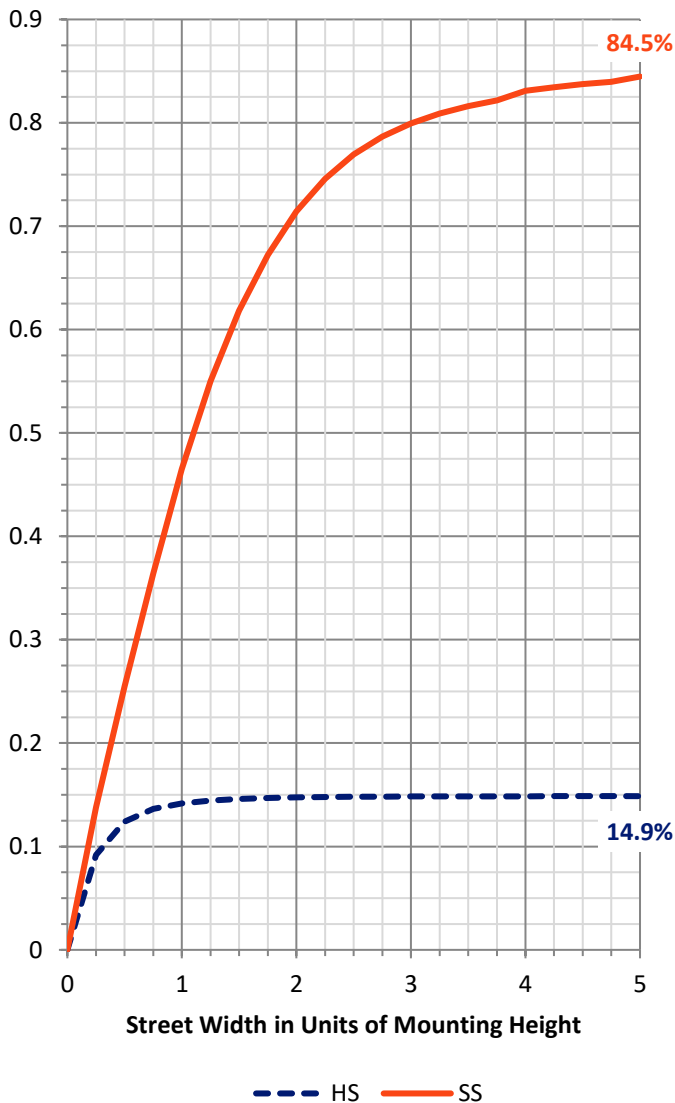
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1582.7	0.0	1582.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	8964.3	0.0	8964.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	10547.0	0.0	10547.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.4	2.5
10°-20°	528.5	5.0
20°-30°	747.7	7.1
30°-40°	1099.3	10.4
40°-50°	1580.0	15.0
50°-60°	2224.2	21.1
60°-70°	2597.7	24.6
70°-80°	1325.3	12.6
80°-90°	176.1	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°	10547.0	100.0
0°-180°	10547.0	100.0



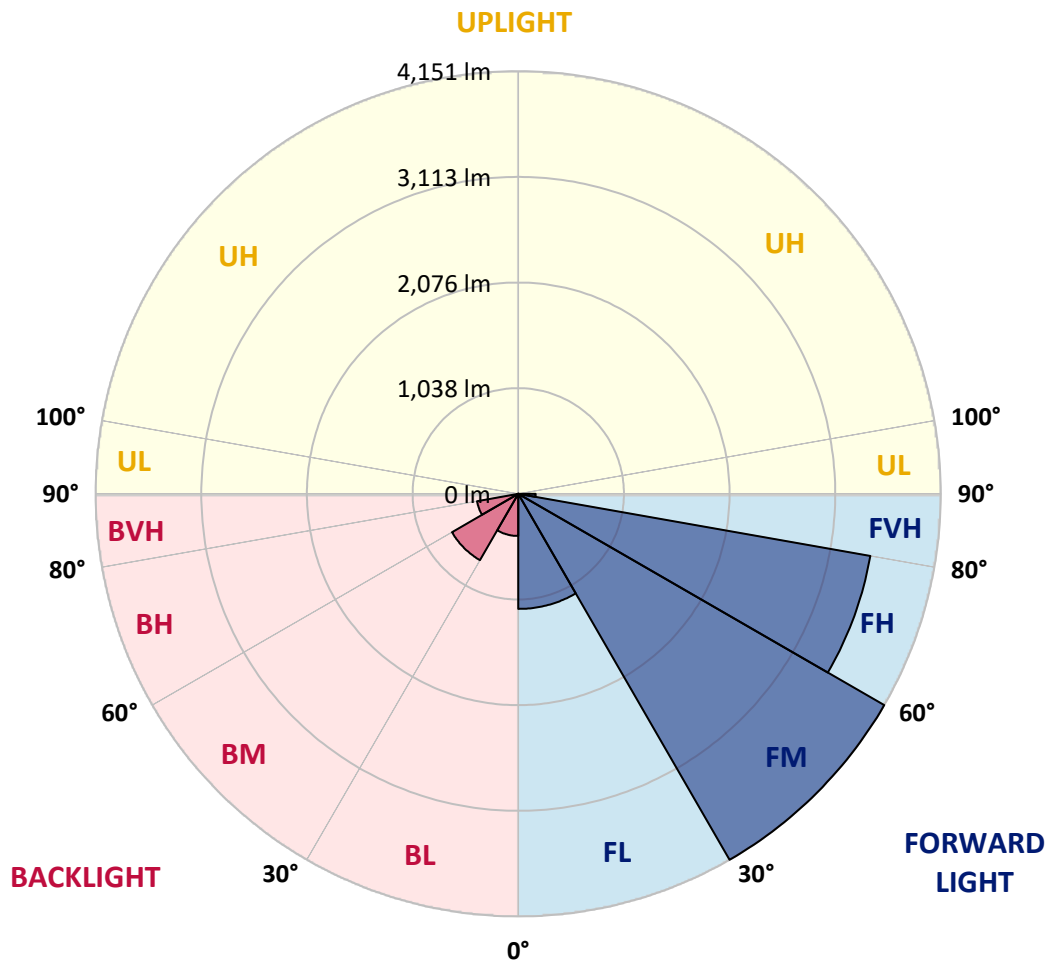
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1130.6	10.7			
FM (30°-60°)	4151.1	39.4			
FH (60°-80°)	3511.9	33.3			G2/5000
FVH (80°-90°)	170.7	1.6			G2/225
BL (0°-30°)	413.9	3.9	B1/500		
BM (30°-60°)	752.4	7.1	B1/1000		
BH (60°-80°)	411.1	3.9	B1/500		G1/500
BVH (80°-90°)	5.3	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°	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3
2.5°	3835.6	3841.6	3872.6	3944.5	4023.0	4029.0	4081.9	4027.5	4009.0	3921.1	3830.1
5°	3864.6	3887.6	3994.0	4205.3	4388.7	4447.7	4489.6	4382.7	4270.3	4055.4	3826.1
7.5°	3631.3	3669.7	3837.1	4233.8	4561.6	4706.5	4733.9	4566.6	4291.3	3937.5	3592.8
10°	3332.5	3376.5	3578.3	4065.9	4516.1	4764.4	4802.4	4583.1	4187.3	3746.7	3340.5
12.5°	3090.7	3142.1	3348.5	3877.1	4359.7	4634.5	4709.5	4527.6	4097.4	3611.3	3168.1
15°	2979.3	3038.2	3255.1	3755.2	4186.4	4402.7	4464.6	4386.2	4047.5	3589.8	3128.1
17.5°	3043.2	3107.2	3331.0	3765.7	4023.5	4115.9	4165.9	4197.8	4047.5	3719.2	3245.1
20°	3305.5	3374.5	3611.3	3872.1	3888.6	3854.1	3907.6	4020.0	4094.4	3965.0	3525.8
22.5°	3668.2	3749.2	4016.5	4054.4	3822.6	3692.2	3699.2	3875.6	4179.9	4276.8	3915.6
25°	4110.4	4209.3	4481.1	4326.2	3850.1	3595.8	3593.3	3756.7	4263.3	4589.0	4349.7
27.5°	4549.6	4658.5	4897.3	4658.0	3963.5	3578.3	3573.3	3720.7	4344.7	4866.8	4823.9
30°	4917.8	5023.7	5229.6	4898.3	4085.9	3619.3	3595.3	3759.2	4393.2	5047.2	5169.6
32.5°	5217.6	5302.5	5468.9	5063.7	4216.8	3698.7	3646.8	3862.1	4475.6	5199.6	5487.4
35°	5547.3	5636.8	5703.2	5221.1	4363.7	3813.1	3738.7	4025.5	4602.5	5354.5	5835.6
37.5°	5923.5	6012.5	6004.5	5365.0	4550.1	4002.5	3955.0	4284.3	4799.9	5507.9	6224.3
40°	6291.8	6382.7	6317.7	5522.3	4768.9	4314.8	4279.8	4673.0	5064.2	5704.2	6680.0
42.5°	6636.5	6734.9	6596.0	5671.2	5029.7	4708.5	4768.4	5173.6	5394.9	5946.0	7072.7
45°	6914.3	7014.7	6829.4	5816.1	5304.5	5186.1	5366.5	5728.2	5792.6	6150.4	7338.0
47.5°	7116.1	7211.1	6991.2	5961.0	5656.2	5770.2	6084.4	6309.8	6151.9	6327.7	7526.3
50°	7245.0	7319.0	7038.7	6142.4	6117.9	6451.6	6832.4	6942.3	6490.1	6487.6	7755.2
52.5°	7327.0	7360.5	7073.7	6331.7	6599.5	7193.6	7564.8	7599.3	6838.4	6663.5	8063.4
55°	7609.3	7636.3	7321.5	6561.1	6997.7	7843.6	8227.3	8195.3	7232.6	7007.7	8427.2
57.5°	8090.9	8119.4	7833.6	6890.8	7320.0	8245.3	8707.4	8764.9	7694.7	7491.4	8816.9
60°	8332.7	8385.7	8283.8	7308.5	7632.3	8502.1	9034.7	9218.1	8272.3	8128.9	9194.6
62.5°	8113.4	8190.3	8338.2	7771.7	7942.5	8643.5	9136.6	9380.4	8863.8	8871.8	9427.4
65°	7675.7	7737.2	7988.0	8025.5	8122.4	8626.0	8884.8	9153.6	9226.1	9554.3	9414.9
67.5°	7147.1	7170.1	7382.9	8045.4	7861.6	8100.4	8128.4	8327.2	8939.8	9796.1	9036.7
70°	6386.2	6398.7	6584.5	7376.5	6755.9	6808.4	6766.9	6807.4	7685.7	9207.1	8081.9
72.5°	5139.6	5171.1	5435.4	6125.9	4921.8	4770.4	5096.2	5078.2	5919.0	7778.6	6002.5
75°	3784.2	3838.6	4237.8	4934.3	3454.4	3124.6	3362.5	3425.9	4207.8	6017.0	3753.7
77.5°	2649.5	2690.0	3076.7	3627.3	2500.1	2234.3	2148.4	2223.8	2777.4	4352.7	1891.1
80°	1526.4	1541.3	1788.2	2094.4	1684.7	1927.5	1746.2	1798.1	1664.2	1936.5	813.4
82.5°	998.7	1001.2	1097.7	1246.6	1049.2	1219.1	902.3	1153.6	1023.7	777.9	264.8
85°	539.6	542.6	636.5	884.8	594.1	335.7	197.4	405.2	633.0	178.4	72.4
87.5°	59.5	54.5	191.9	321.8	164.9	30.5	10.5	45.5	101.4	11.5	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°	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3
2.5°	3783.7	3742.2	3638.8	3529.3	3441.4	3359.0	3276.0	3174.6	3096.2	3080.2	3054.2
5°	3702.7	3571.3	3354.5	3136.6	2961.3	2739.9	2599.5	2490.1	2383.2	2376.7	2355.2
7.5°	3419.9	3247.1	2941.8	2640.5	2393.7	2182.9	1970.0	1827.6	1715.7	1676.2	1652.8
10°	3148.1	2953.8	2572.6	2228.8	2008.5	1822.1	1672.2	1523.4	1388.5	1295.5	1253.6
12.5°	2958.3	2743.4	2323.3	2027.0	1869.1	1692.2	1509.4	1323.5	1168.1	1056.2	987.8
15°	2884.8	2655.5	2239.8	1947.0	1752.2	1528.4	1294.5	1082.2	909.8	808.4	746.9
17.5°	2972.3	2705.5	2233.3	1849.6	1577.3	1299.0	1040.7	789.9	627.5	550.6	511.1
20°	3194.1	2864.3	2230.8	1730.2	1369.5	1027.2	705.0	519.6	421.2	378.2	359.7
22.5°	3507.9	3067.2	2250.8	1612.3	1153.1	733.9	486.6	381.7	331.3	308.3	297.8
25°	3911.6	3352.0	2307.3	1505.4	949.8	547.6	379.2	319.8	284.3	266.3	258.8
27.5°	4341.7	3679.7	2395.2	1412.4	784.4	436.7	324.8	273.8	248.3	235.8	228.8
30°	4696.5	4059.4	2484.1	1309.0	664.5	380.7	297.3	249.8	220.3	212.3	205.8
32.5°	5006.7	4346.7	2547.1	1215.6	586.1	338.2	268.8	223.3	203.3	187.9	180.9
35°	5328.0	4586.0	2545.1	1150.1	532.1	306.3	244.8	199.8	175.9	157.9	152.4
37.5°	5675.7	4856.3	2501.6	1094.2	508.6	280.8	231.3	187.4	163.4	145.4	138.4
40°	6082.9	5140.1	2457.2	1041.7	502.1	260.3	221.8	177.4	151.9	134.4	127.4
42.5°	6479.6	5395.9	2418.2	1002.7	474.1	259.8	213.3	169.9	142.9	125.9	117.9
45°	6796.9	5634.3	2410.7	979.3	444.7	268.8	208.8	164.9	135.9	118.9	111.4
47.5°	7060.7	5893.1	2458.7	962.8	416.7	245.3	219.8	161.4	129.4	112.9	104.4
50°	7374.5	6210.8	2571.6	935.8	387.2	220.8	251.8	162.4	123.9	106.9	97.9
52.5°	7812.1	6650.5	2737.4	890.3	346.7	198.4	247.8	163.4	117.9	100.4	91.4
55°	8302.8	7199.6	2915.8	814.9	290.3	168.9	212.3	156.4	106.4	93.4	84.9
57.5°	8818.4	7697.7	3021.7	725.0	230.8	145.9	169.9	142.4	93.9	83.9	78.4
60°	8899.3	7887.1	2973.3	614.5	183.4	126.9	125.9	144.9	83.9	73.9	69.9
62.5°	8698.0	7649.2	2738.9	516.1	153.4	111.4	103.4	126.4	75.9	66.0	62.0
65°	8310.7	7006.2	2359.2	465.2	142.4	95.4	85.9	88.9	66.5	57.5	54.0
67.5°	7772.2	6147.9	1937.0	436.2	140.9	81.9	73.4	67.4	57.5	50.0	47.0
70°	6671.0	5121.6	1545.3	420.2	136.9	68.9	62.0	55.0	48.0	42.5	40.0
72.5°	4909.8	3629.3	1202.1	402.7	137.9	55.0	54.0	45.5	38.5	33.0	32.0
75°	2836.9	2073.4	788.4	326.3	131.4	42.5	45.0	32.0	27.0	23.0	23.0
77.5°	1511.9	1264.5	300.3	135.9	48.0	27.0	25.5	19.0	17.0	14.0	13.5
80°	659.0	556.6	90.4	38.0	26.5	14.5	9.5	8.5	7.5	6.0	5.5
82.5°	233.3	201.3	29.5	18.5	11.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	53.0	38.0	0.0	4.5	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°	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3
2.5°	3001.2	2990.3	2925.3	2927.8	2939.3	2955.8	2916.8	2934.8	2983.3	3029.7	3047.2
5°	2320.8	2323.3	2283.8	2308.3	2330.2	2345.2	2282.3	2283.3	2321.8	2374.2	2401.7
7.5°	1635.3	1631.3	1633.3	1691.7	1733.2	1703.2	1726.7	1645.3	1650.3	1687.7	1659.8
10°	1215.6	1160.6	1129.7	1173.6	1219.1	1202.6	1162.1	1135.6	1154.1	1195.6	1192.6
12.5°	955.3	876.3	829.9	798.4	835.9	804.9	803.9	780.9	755.9	760.4	826.9
15°	718.5	661.0	606.0	555.6	554.6	544.1	490.6	430.7	425.7	428.7	463.2
17.5°	494.1	474.6	452.2	408.7	397.2	353.2	301.3	277.3	265.3	270.8	282.3
20°	347.2	339.7	342.2	318.8	302.3	260.3	229.8	220.3	218.3	223.8	229.3
22.5°	287.8	274.3	272.8	262.3	245.8	215.3	198.9	193.4	190.9	195.9	199.8
25°	251.8	238.3	232.8	226.3	208.8	187.9	177.9	172.9	170.4	173.4	175.9
27.5°	221.8	209.3	204.3	199.8	182.9	167.9	159.9	155.4	153.4	154.4	156.9
30°	199.4	188.4	181.9	176.4	161.9	151.4	144.4	139.9	137.9	137.9	140.4
32.5°	175.9	169.9	163.9	156.9	143.4	136.4	129.4	124.4	122.4	122.9	124.9
35°	146.4	144.4	145.9	139.4	127.9	121.9	114.9	109.4	107.9	108.4	110.4
37.5°	129.9	120.9	126.4	122.9	116.4	108.4	99.4	94.4	91.9	93.4	94.4
40°	119.4	108.4	104.4	107.9	106.9	93.9	85.9	80.9	78.9	79.4	80.4
42.5°	110.4	97.4	88.4	87.9	93.9	81.9	73.4	68.9	66.5	66.5	67.4
45°	101.9	87.9	76.9	68.4	78.9	69.4	61.5	57.5	54.5	54.5	55.0
47.5°	95.4	79.9	66.9	56.0	59.5	57.0	50.5	46.5	43.5	43.5	44.0
50°	89.4	71.9	58.0	47.0	44.5	47.0	41.0	36.5	34.5	34.0	35.0
52.5°	82.9	64.0	49.5	40.0	35.0	35.5	32.0	29.0	26.5	26.5	27.5
55°	76.4	57.5	43.0	34.0	29.0	26.5	25.5	23.5	21.5	21.5	22.5
57.5°	69.9	50.5	36.5	28.0	23.0	21.0	21.0	19.5	18.0	18.0	19.0
60°	64.0	43.5	30.0	23.0	18.0	17.5	18.0	16.5	15.5	15.5	16.5
62.5°	57.0	37.0	24.5	19.0	14.5	14.0	15.5	14.5	13.5	13.5	14.5
65°	48.5	31.5	19.5	14.5	11.0	11.0	13.0	12.0	11.0	11.0	12.0
67.5°	41.0	26.5	15.0	10.5	8.0	8.5	11.0	10.0	9.5	9.5	10.5
70°	34.0	20.5	10.5	6.5	4.5	6.5	8.5	8.5	8.5	8.5	9.5
72.5°	25.5	14.0	6.0	2.5	2.0	4.5	7.0	8.0	7.5	7.5	9.0
75°	16.5	8.0	2.0	0.0	0.0	2.5	5.5	6.5	6.5	6.0	7.5
77.5°	9.5	2.5	0.0	0.0	0.0	0.0	3.5	3.0	2.5	2.0	3.5
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-SA3A-750-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3	3538.3
2.5°	3117.7	3176.6	3259.5	3347.5	3482.9	3590.3	3695.7	3786.2	3821.1	3835.6
5°	2467.6	2554.1	2675.5	2831.4	3075.7	3295.5	3518.4	3742.7	3840.1	3864.6
7.5°	1770.7	1881.1	2035.5	2230.8	2517.1	2801.9	3113.2	3442.4	3593.3	3631.3
10°	1310.5	1445.4	1622.3	1828.1	2101.4	2394.2	2733.4	3109.7	3282.0	3332.5
12.5°	929.8	1112.2	1349.0	1599.3	1836.1	2097.4	2440.7	2855.4	3036.2	3090.7
15°	546.1	722.5	1002.7	1338.0	1641.3	1906.1	2254.8	2725.0	2924.3	2979.3
17.5°	313.3	401.2	613.0	986.8	1398.4	1765.2	2196.3	2757.4	2992.2	3043.2
20°	239.3	267.3	353.2	635.5	1114.7	1626.8	2196.3	2941.3	3230.6	3305.5
22.5°	209.3	229.8	264.8	379.2	820.4	1478.4	2221.8	3207.1	3585.3	3668.2
25°	185.9	204.3	234.3	285.3	559.6	1302.0	2282.3	3533.3	4003.0	4110.4
27.5°	166.4	183.9	210.8	249.8	382.7	1089.2	2363.7	3916.1	4463.6	4549.6
30°	148.9	165.4	189.9	217.3	295.3	847.9	2433.2	4276.8	4825.4	4917.8
32.5°	132.4	147.4	169.4	189.9	241.8	627.0	2440.7	4562.6	5125.6	5217.6
35°	116.9	130.4	150.4	166.4	200.3	495.1	2324.3	4810.4	5425.9	5547.3
37.5°	101.9	114.9	132.4	144.4	176.4	403.7	2146.4	5086.7	5811.1	5923.5
40°	87.9	99.4	117.4	125.4	166.9	310.3	1953.0	5376.5	6188.8	6291.8
42.5°	74.9	85.9	103.4	118.9	146.4	231.8	1744.2	5648.3	6528.6	6636.5
45°	62.5	73.9	91.4	125.9	121.4	173.4	1520.9	5828.6	6796.9	6914.3
47.5°	50.5	63.5	87.4	119.9	96.9	127.4	1344.0	5999.5	7000.2	7116.1
50°	40.5	53.5	98.4	106.9	79.4	97.4	1270.0	6152.4	7133.6	7245.0
52.5°	33.0	45.0	92.9	81.9	66.5	80.4	1310.0	6400.2	7257.0	7327.0
55°	27.5	35.5	56.0	57.0	56.5	68.4	1359.5	6755.9	7576.3	7609.3
57.5°	24.0	28.5	39.0	44.0	47.5	61.0	1360.5	7266.5	8070.4	8090.9
60°	20.5	25.0	32.5	35.5	41.0	54.5	1311.0	7444.9	8264.8	8332.7
62.5°	18.0	22.0	27.0	29.5	34.5	49.0	1195.1	7186.6	7998.0	8113.4
65°	16.0	20.0	22.5	25.0	30.5	44.0	1004.2	6670.0	7555.3	7675.7
67.5°	14.0	17.5	20.0	22.5	27.5	39.0	739.4	6069.9	7047.2	7147.1
70°	12.5	15.5	18.0	20.0	24.0	33.0	448.7	5150.6	6344.7	6386.2
72.5°	12.0	14.0	16.5	18.0	21.0	29.0	227.3	3785.2	5072.2	5139.6
75°	10.5	12.5	15.0	16.0	18.5	25.0	92.4	2486.1	3675.7	3784.2
77.5°	8.5	11.5	13.5	14.5	16.0	20.5	47.0	1588.8	2579.6	2649.5
80°	3.0	8.5	11.5	12.0	13.5	15.0	31.0	869.8	1496.4	1526.4
82.5°	0.0	5.5	9.0	8.5	9.5	11.5	20.0	413.7	987.8	998.7
85°	0.0	2.5	7.0	5.5	4.0	8.0	7.0	90.4	518.1	539.6
87.5°	0.0	0.0	0.5	2.5	2.0	3.0	1.0	0.5	47.0	59.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)