

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: P324154

Luminaire Tested: **GAN-SA0A-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324154
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-SA0A-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 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: 34196 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

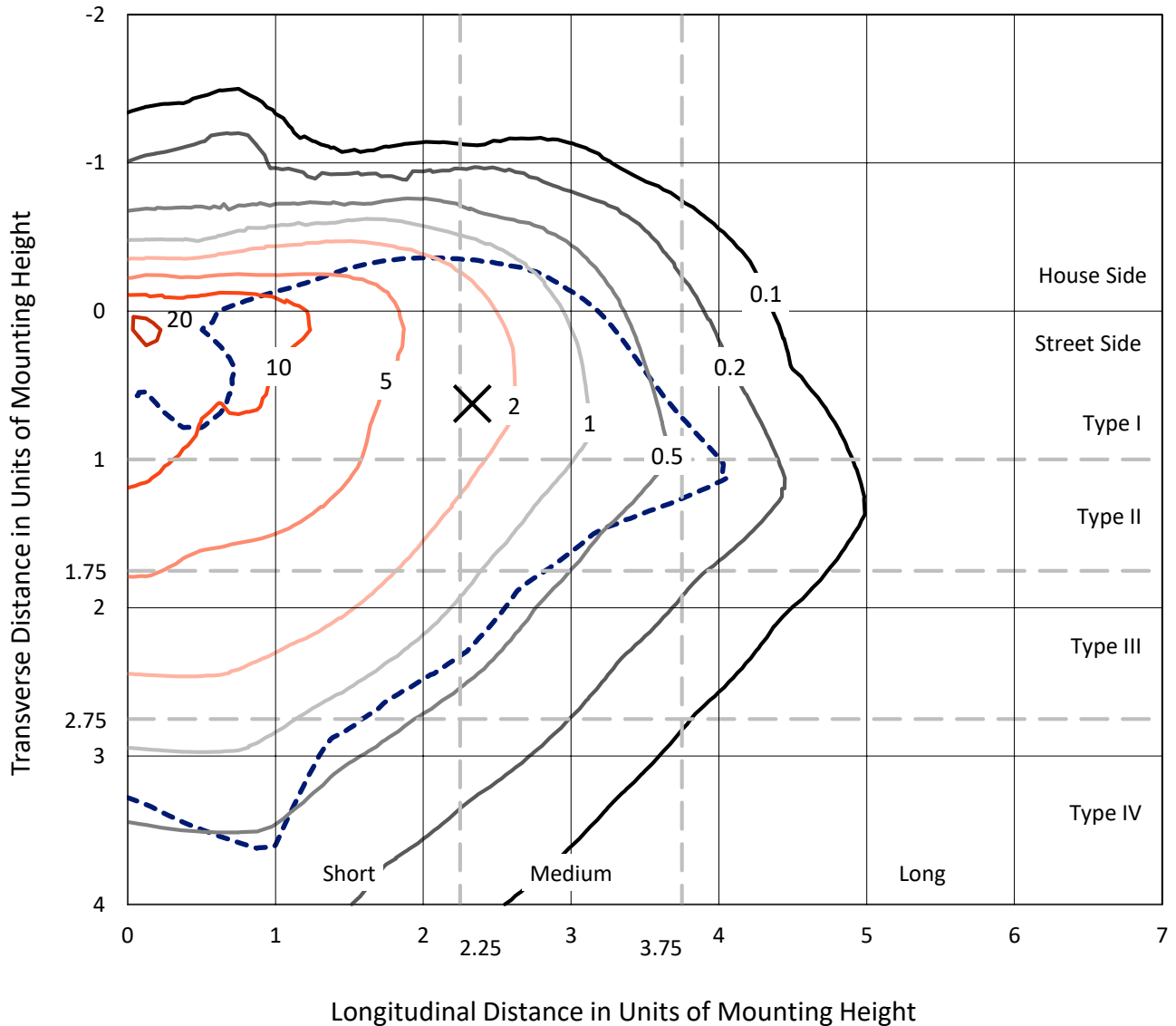
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

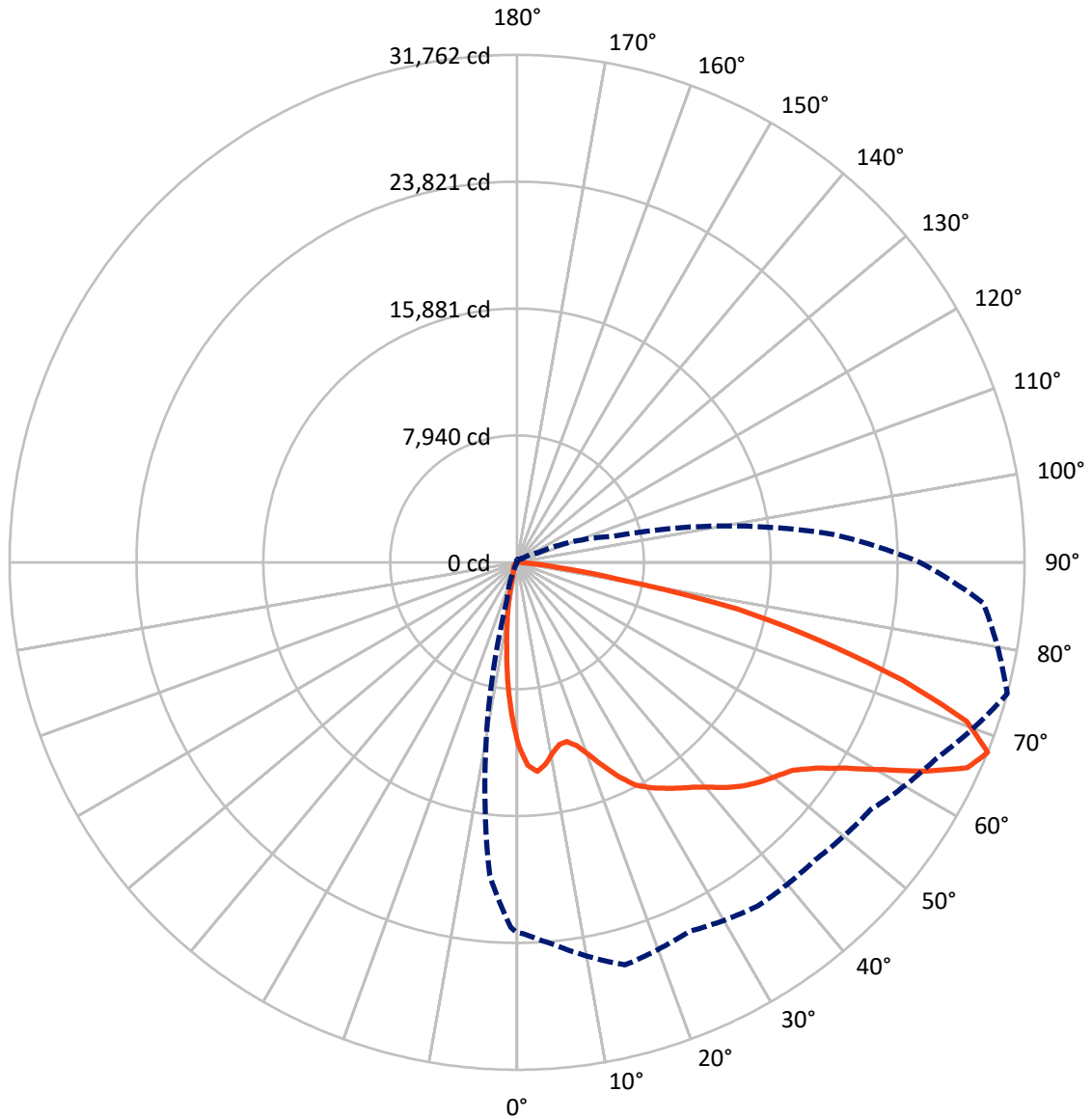
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.8 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	5131.5	0.0	5131.5
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	29064.5	0.0	29064.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	34196.0	0.0	34196.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.2	2.5
10°-20°	1713.5	5.0
20°-30°	2424.1	7.1
30°-40°	3564.1	10.4
40°-50°	5122.7	15.0
50°-60°	7211.5	21.1
60°-70°	8422.4	24.6
70°-80°	4296.8	12.6
80°-90°	570.8	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°	34196.0	100.0
0°-180°	34196.0	100.0

Coefficient of Utilization

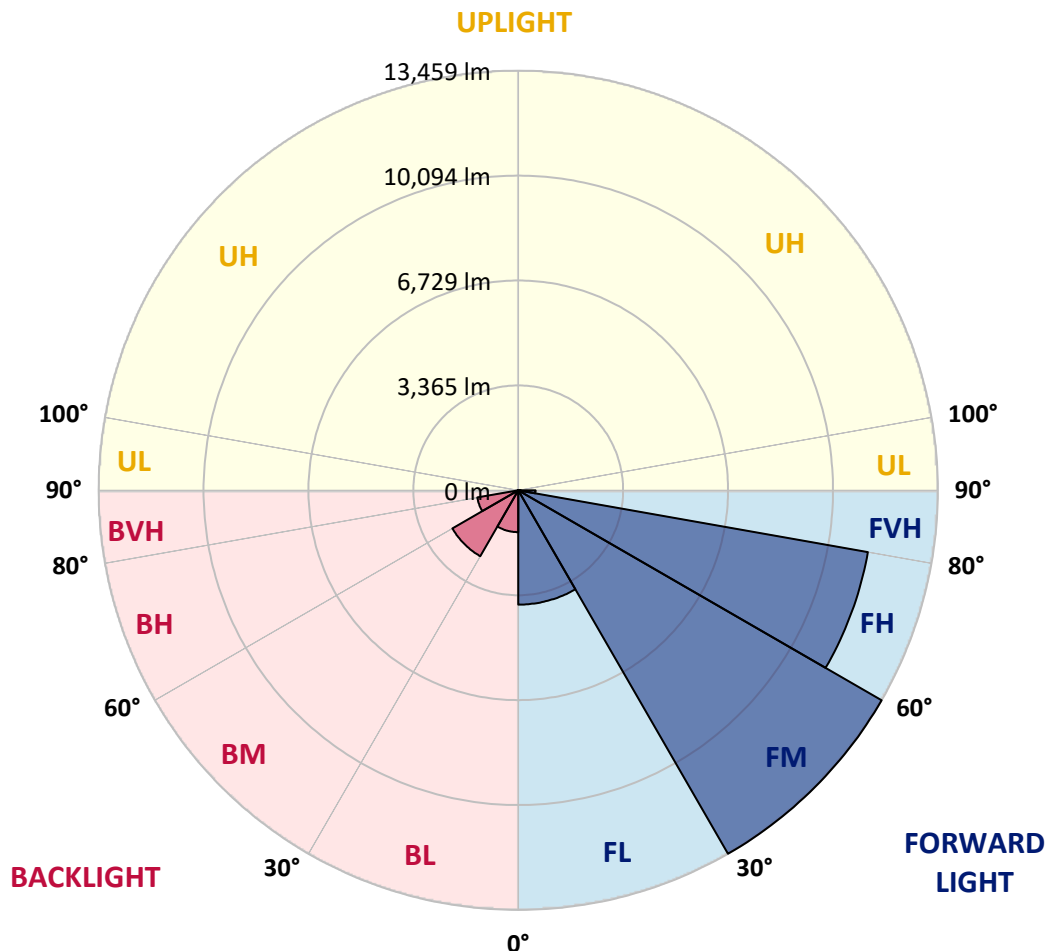


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3665.8	10.7			
FM (30°-60°)	13458.9	39.4			
FH (60°-80°)	11386.3	33.3			G4/12000
FVH (80°-90°)	553.5	1.6			G4/750
BL (0°-30°)	1341.9	3.9	B3/2500		
BM (30°-60°)	2439.3	7.1	B2/2500		
BH (60°-80°)	1332.9	3.9	B3/2500		G3/2500
BVH (80°-90°)	17.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2
2.5°	12436.0	12455.5	12555.9	12789.2	13043.5	13062.9	13234.6	13058.1	12998.1	12713.0	12418.2
5°	12530.0	12604.5	12949.5	13634.7	14229.3	14420.4	14556.5	14209.8	13845.3	13148.8	12405.2
7.5°	11773.5	11898.2	12440.9	13727.1	14789.7	15259.5	15348.6	14805.9	13913.4	12766.5	11648.7
10°	10804.8	10947.3	11601.8	13182.8	14642.3	15447.4	15570.5	14859.4	13576.4	12147.7	10830.7
12.5°	10020.7	10187.6	10856.6	12570.5	14135.3	15026.2	15269.2	14679.6	13284.8	11708.7	10271.8
15°	9659.5	9850.6	10553.7	12175.2	13573.2	14274.6	14475.5	14221.2	13122.9	11639.0	10142.2
17.5°	9866.8	10074.2	10799.9	12209.2	13045.1	13344.8	13506.8	13610.4	13122.9	12058.6	10521.3
20°	10717.3	10940.8	11708.7	12554.3	12607.7	12496.0	12669.3	13033.8	13275.1	12855.6	11431.7
22.5°	11893.3	12155.8	13022.4	13145.5	12393.9	11971.1	11993.8	12565.6	13552.1	13866.4	12695.2
25°	13327.0	13647.7	14528.9	14026.8	12483.0	11658.5	11650.4	12180.1	13822.7	14878.8	14102.9
27.5°	14750.9	15104.0	15878.3	15102.4	12850.7	11601.8	11585.6	12063.4	14086.7	15779.5	15640.2
30°	15944.7	16288.2	16955.6	15881.6	13247.6	11734.6	11656.8	12188.2	14243.8	16364.3	16761.2
32.5°	16916.7	17192.1	17731.5	16417.7	13672.0	11992.2	11823.7	12521.9	14511.1	16858.4	17791.4
35°	17985.8	18275.8	18491.2	16928.0	14148.3	12363.1	12121.8	13051.6	14922.6	17360.5	18920.5
37.5°	19205.6	19493.9	19468.0	17394.5	14752.5	12977.1	12823.2	13890.7	15562.4	17857.8	20180.8
40°	20399.5	20694.3	20483.7	17904.8	15462.0	13989.5	13876.1	15151.0	16419.4	18494.5	21658.1
42.5°	21517.2	21836.3	21386.0	18387.6	16307.6	15266.0	15460.4	16774.1	17491.7	19278.5	22931.4
45°	22417.9	22743.5	22142.5	18857.3	17198.5	16814.6	17399.4	18572.2	18781.2	19941.0	23791.6
47.5°	23072.3	23380.1	22667.3	19327.1	18339.0	18708.3	19727.2	20457.8	19945.9	20516.1	24402.3
50°	23490.3	23730.0	22821.2	19915.1	19835.7	20917.8	22152.2	22508.6	21042.6	21034.5	25144.2
52.5°	23755.9	23864.5	22934.6	20529.1	21397.3	23323.4	24527.0	24638.8	22171.7	21604.7	26143.7
55°	24671.2	24758.6	23738.1	21272.6	22688.4	25430.9	26675.0	26571.3	23449.8	22720.8	27323.0
57.5°	26232.8	26325.1	25398.5	22341.7	23733.2	26733.3	28231.7	28418.0	24948.2	24288.9	28586.5
60°	27016.8	27188.5	26858.0	23696.0	24745.7	27565.9	29292.8	29887.3	26820.8	26355.9	29811.1
62.5°	26305.7	26555.1	27034.6	25197.6	25751.6	28024.4	29623.2	30413.7	28738.7	28764.7	30566.0
65°	24886.6	25085.9	25899.1	26020.5	26334.8	27967.7	28806.8	29678.3	29913.2	30977.5	30525.5
67.5°	23172.8	23247.3	23937.3	26085.3	25489.2	26263.5	26354.2	26999.0	28985.0	31761.5	29299.2
70°	20705.6	20746.1	21348.7	23916.3	21904.4	22074.5	21940.0	22071.2	24919.0	29851.6	26203.6
72.5°	16664.0	16766.0	17623.0	19861.7	15957.7	15466.9	16523.0	16464.7	19191.0	25220.3	19461.5
75°	12269.2	12445.7	13740.0	15998.2	11200.0	10130.9	10902.0	11107.7	13642.8	19508.5	12170.4
77.5°	8590.4	8721.6	9975.4	11760.5	8106.0	7244.2	6965.6	7210.2	9005.1	14112.6	6131.3
80°	4948.8	4997.4	5797.6	6790.6	5462.3	6249.6	5661.6	5830.0	5395.9	6278.8	2637.2
82.5°	3238.2	3246.3	3558.9	4041.7	3401.8	3952.6	2925.5	3740.4	3319.2	2522.2	858.6
85°	1749.5	1759.2	2063.8	2868.9	1926.1	1088.6	639.9	1313.7	2052.4	578.3	234.9
87.5°	192.8	176.6	622.0	1043.2	534.6	98.8	34.0	147.4	328.8	37.3	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°	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2
2.5°	12267.5	12133.1	11797.8	11443.0	11157.9	10890.6	10621.7	10292.9	10038.6	9986.7	9902.5
5°	12005.1	11579.1	10876.0	10169.8	9601.2	8883.6	8428.4	8073.6	7727.0	7705.9	7636.2
7.5°	11088.3	10527.8	9538.0	8561.2	7761.0	7077.4	6387.3	5925.6	5562.8	5434.8	5358.6
10°	10207.0	9576.9	8340.9	7226.4	6512.0	5907.8	5421.8	4939.1	4501.7	4200.4	4064.3
12.5°	9591.5	8894.9	7532.6	6572.0	6060.1	5486.6	4893.7	4291.1	3787.3	3424.5	3202.6
15°	9353.3	8609.8	7262.0	6312.8	5681.0	4955.3	4197.2	3508.7	2949.8	2621.0	2421.8
17.5°	9636.8	8771.8	7241.0	5996.9	5114.0	4211.8	3374.3	2561.1	2034.6	1785.1	1657.2
20°	10356.1	9286.9	7232.9	5609.7	4440.2	3330.5	2285.7	1684.7	1365.6	1226.3	1166.3
22.5°	11373.4	9944.6	7297.7	5227.4	3738.7	2379.6	1577.8	1237.6	1074.0	999.5	965.5
25°	12682.2	10867.9	7480.7	4880.8	3079.4	1775.4	1229.5	1036.7	921.7	863.4	839.1
27.5°	14077.0	11930.6	7765.8	4579.5	2543.3	1415.8	1052.9	887.7	805.1	764.6	741.9
30°	15227.1	13161.7	8054.2	4244.2	2154.5	1234.4	963.8	810.0	714.4	688.5	667.4
32.5°	16233.1	14093.2	8258.3	3941.2	1900.1	1096.7	871.5	724.1	659.3	609.1	586.4
35°	17274.7	14869.1	8251.8	3729.0	1725.2	993.0	793.8	648.0	570.2	511.9	494.1
37.5°	18402.1	15745.5	8110.9	3547.6	1649.1	910.4	750.0	607.5	529.7	471.4	448.7
40°	19722.4	16665.6	7966.7	3377.5	1628.0	844.0	719.2	575.1	492.5	435.8	413.1
42.5°	21008.6	17495.0	7840.3	3251.2	1537.3	842.4	691.7	550.8	463.3	408.2	382.3
45°	22037.2	18267.7	7816.0	3175.0	1441.7	871.5	677.1	534.6	440.6	385.5	361.2
47.5°	22892.5	19106.8	7971.6	3121.6	1351.0	795.4	712.8	523.2	419.6	366.1	338.6
50°	23909.8	20137.0	8337.7	3034.1	1255.4	716.0	816.4	526.5	401.7	346.7	317.5
52.5°	25328.8	21562.6	8875.5	2886.7	1124.2	643.1	803.5	529.7	382.3	325.6	296.4
55°	26919.6	23342.8	9453.8	2642.1	941.2	547.5	688.5	507.0	345.0	302.9	275.4
57.5°	28591.3	24957.9	9797.2	2350.5	748.4	473.0	550.8	461.7	304.5	272.1	254.3
60°	28853.8	25571.8	9640.1	1992.5	594.5	411.5	408.2	469.8	272.1	239.7	226.8
62.5°	28200.9	24800.8	8880.3	1673.4	497.3	361.2	335.3	409.8	246.2	213.8	200.9
65°	26945.5	22715.9	7649.2	1508.1	461.7	309.4	278.6	288.3	215.4	186.3	174.9
67.5°	25199.3	19932.9	6280.4	1414.2	456.8	265.7	238.1	218.7	186.3	162.0	152.3
70°	21629.0	16605.7	5010.4	1362.3	443.9	223.5	200.9	178.2	155.5	137.7	129.6
72.5°	15918.8	11767.0	3897.5	1305.6	447.1	178.2	174.9	147.4	124.7	106.9	103.7
75°	9197.8	6722.6	2556.2	1057.8	426.0	137.7	145.8	103.7	87.5	74.5	74.5
77.5°	4901.8	4100.0	973.6	440.6	155.5	87.5	82.6	61.6	55.1	45.4	43.7
80°	2136.7	1804.6	293.2	123.1	85.9	47.0	30.8	27.5	24.3	19.4	17.8
82.5°	756.5	652.8	95.6	59.9	37.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	171.7	123.1	0.0	14.6	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°	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2
2.5°	9730.8	9695.1	9484.5	9492.6	9529.9	9583.4	9457.0	9515.3	9672.5	9823.1	9879.8
5°	7524.5	7532.6	7404.6	7484.0	7555.2	7603.8	7399.7	7403.0	7527.7	7697.8	7786.9
7.5°	5302.0	5289.0	5295.5	5485.0	5619.5	5522.3	5598.4	5334.3	5350.5	5472.0	5381.3
10°	3941.2	3763.0	3662.6	3805.2	3952.6	3899.1	3767.9	3682.0	3742.0	3876.4	3866.7
12.5°	3097.3	2841.3	2690.7	2588.6	2710.1	2609.7	2606.4	2531.9	2450.9	2465.5	2680.9
15°	2329.4	2143.1	1964.9	1801.3	1798.1	1764.1	1590.7	1396.4	1380.2	1389.9	1501.7
17.5°	1602.1	1538.9	1466.0	1325.1	1287.8	1145.3	976.8	899.0	860.2	878.0	915.2
20°	1125.8	1101.5	1109.6	1033.5	980.0	844.0	745.2	714.4	707.9	725.7	743.5
22.5°	933.1	889.3	884.5	850.5	797.0	698.2	644.7	626.9	618.8	635.0	648.0
25°	816.4	772.7	754.9	733.8	677.1	609.1	576.7	560.5	552.4	562.1	570.2
27.5°	719.2	678.7	662.5	648.0	592.9	544.3	518.4	503.8	497.3	500.6	508.7
30°	646.3	610.7	589.6	571.8	524.8	490.8	468.2	453.6	447.1	447.1	455.2
32.5°	570.2	550.8	531.3	508.7	464.9	442.2	419.6	403.4	396.9	398.5	405.0
35°	474.6	468.2	473.0	452.0	414.7	395.3	372.6	354.8	349.9	351.5	358.0
37.5°	421.2	392.0	409.8	398.5	377.4	351.5	322.4	306.2	298.1	302.9	306.2
40°	387.2	351.5	338.6	349.9	346.7	304.5	278.6	262.4	255.9	257.6	260.8
42.5°	358.0	315.9	286.7	285.1	304.5	265.7	238.1	223.5	215.4	215.4	218.7
45°	330.5	285.1	249.5	221.9	255.9	225.2	199.2	186.3	176.6	176.6	178.2
47.5°	309.4	259.2	217.1	181.4	192.8	184.7	163.6	150.7	140.9	140.9	142.6
50°	290.0	233.3	187.9	152.3	144.2	152.3	132.8	118.3	111.8	110.2	113.4
52.5°	268.9	207.3	160.4	129.6	113.4	115.0	103.7	94.0	85.9	85.9	89.1
55°	247.8	186.3	139.3	110.2	94.0	85.9	82.6	76.1	69.7	69.7	72.9
57.5°	226.8	163.6	118.3	90.7	74.5	68.0	68.0	63.2	58.3	58.3	61.6
60°	207.3	140.9	97.2	74.5	58.3	56.7	58.3	53.5	50.2	50.2	53.5
62.5°	184.7	119.9	79.4	61.6	47.0	45.4	50.2	47.0	43.7	43.7	47.0
65°	157.1	102.1	63.2	47.0	35.6	35.6	42.1	38.9	35.6	35.6	38.9
67.5°	132.8	85.9	48.6	34.0	25.9	27.5	35.6	32.4	30.8	30.8	34.0
70°	110.2	66.4	34.0	21.1	14.6	21.1	27.5	27.5	27.5	27.5	30.8
72.5°	82.6	45.4	19.4	8.1	6.5	14.6	22.7	25.9	24.3	24.3	29.2
75°	53.5	25.9	6.5	0.0	0.0	8.1	17.8	21.1	21.1	19.4	24.3
77.5°	30.8	8.1	0.0	0.0	0.0	0.0	11.3	9.7	8.1	6.5	11.3
80°	8.1	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



REPORT NUMBER: P324154
 CATALOG NUMBER: GAN-SAOA-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2	11472.2
2.5°	10108.2	10299.4	10568.3	10853.4	11292.4	11640.6	11982.4	12275.6	12389.0	12436.0
5°	8000.7	8281.0	8674.6	9180.0	9972.1	10684.9	11407.4	12134.7	12450.6	12530.0
7.5°	5740.9	6098.9	6599.5	7232.9	8161.1	9084.4	10093.6	11161.2	11650.4	11773.5
10°	4249.0	4686.4	5259.8	5927.2	6813.3	7762.6	8862.5	10082.3	10641.2	10804.8
12.5°	3014.6	3605.9	4373.7	5185.3	5953.2	6800.4	7913.2	9257.8	9844.2	10020.7
15°	1770.6	2342.4	3251.2	4338.1	5321.4	6179.9	7310.6	8835.0	9481.3	9659.5
17.5°	1015.7	1300.8	1987.6	3199.3	4534.1	5723.1	7121.1	8940.3	9701.6	9866.8
20°	775.9	866.6	1145.3	2060.5	3614.0	5274.4	7121.1	9536.4	10474.3	10717.3
22.5°	678.7	745.2	858.6	1229.5	2659.9	4793.3	7203.7	10398.2	11624.4	11893.3
25°	602.6	662.5	759.7	925.0	1814.3	4221.5	7399.7	11456.0	12978.7	13327.0
27.5°	539.4	596.1	683.6	810.0	1240.8	3531.4	7663.8	12696.8	14472.2	14750.9
30°	482.7	536.2	615.6	704.7	957.4	2749.0	7888.9	13866.4	15645.1	15944.7
32.5°	429.3	477.9	549.1	615.6	784.0	2033.0	7913.2	14793.0	16618.6	16916.7
35°	379.1	422.8	487.6	539.4	649.6	1605.3	7535.8	15596.5	17592.2	17985.8
37.5°	330.5	372.6	429.3	468.2	571.8	1308.9	6959.1	16492.3	18841.1	19205.6
40°	285.1	322.4	380.7	406.6	541.0	1006.0	6332.2	17431.8	20065.8	20399.5
42.5°	243.0	278.6	335.3	385.5	474.6	751.6	5655.1	18313.0	21167.3	21517.2
45°	202.5	239.7	296.4	408.2	393.6	562.1	4931.0	18897.8	22037.2	22417.9
47.5°	163.6	205.7	283.5	388.8	314.3	413.1	4357.5	19451.8	22696.5	23072.3
50°	131.2	173.3	319.1	346.7	257.6	315.9	4117.8	19947.5	23129.0	23490.3
52.5°	106.9	145.8	301.3	265.7	215.4	260.8	4247.4	20751.0	23529.1	23755.9
55°	89.1	115.0	181.4	184.7	183.0	221.9	4407.8	21904.4	24564.3	24671.2
57.5°	77.8	92.3	126.4	142.6	153.9	197.6	4411.0	23559.9	26166.3	26232.8
60°	66.4	81.0	105.3	115.0	132.8	176.6	4250.6	24138.2	26796.5	27016.8
62.5°	58.3	71.3	87.5	95.6	111.8	158.8	3874.8	23300.7	25931.5	26305.7
65°	51.8	64.8	72.9	81.0	98.8	142.6	3256.0	21625.7	24496.2	24886.6
67.5°	45.4	56.7	64.8	72.9	89.1	126.4	2397.5	19680.2	22848.8	23172.8
70°	40.5	50.2	58.3	64.8	77.8	106.9	1454.7	16699.6	20571.2	20705.6
72.5°	38.9	45.4	53.5	58.3	68.0	94.0	737.1	12272.4	16445.3	16664.0
75°	34.0	40.5	48.6	51.8	59.9	81.0	299.7	8060.7	11917.6	12269.2
77.5°	27.5	37.3	43.7	47.0	51.8	66.4	152.3	5151.3	8363.6	8590.4
80°	9.7	27.5	37.3	38.9	43.7	48.6	100.4	2820.3	4851.6	4948.8
82.5°	0.0	17.8	29.2	27.5	30.8	37.3	64.8	1341.3	3202.6	3238.2
85°	0.0	8.1	22.7	17.8	13.0	25.9	22.7	293.2	1679.8	1749.5
87.5°	0.0	0.0	1.6	8.1	6.5	9.7	3.2	1.6	152.3	192.8
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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