

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: P324199

Luminaire Tested: **GAN-SA5B-750-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324199
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-SA5B-750-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5000K, 800mA 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: 21175 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

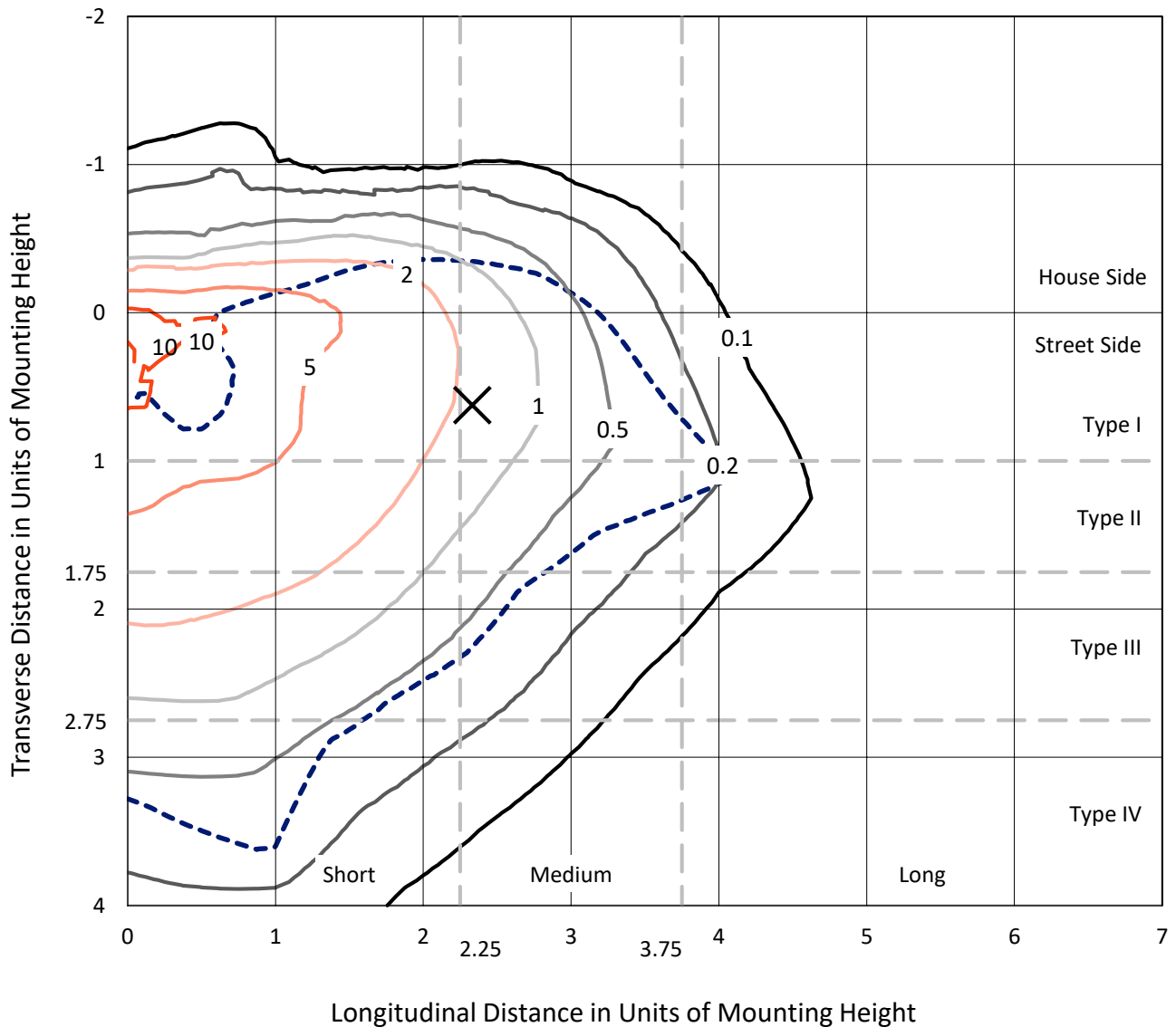
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

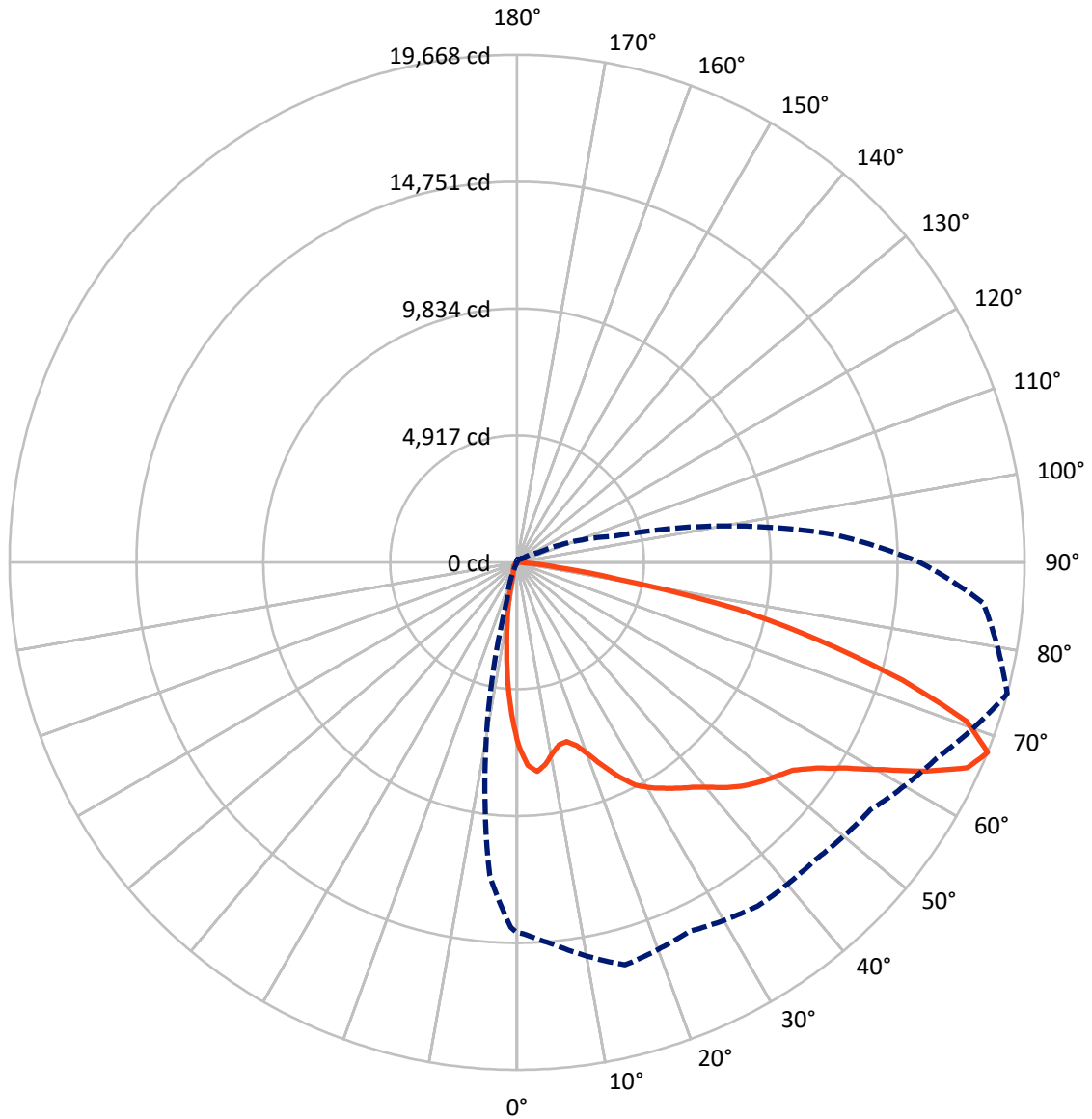
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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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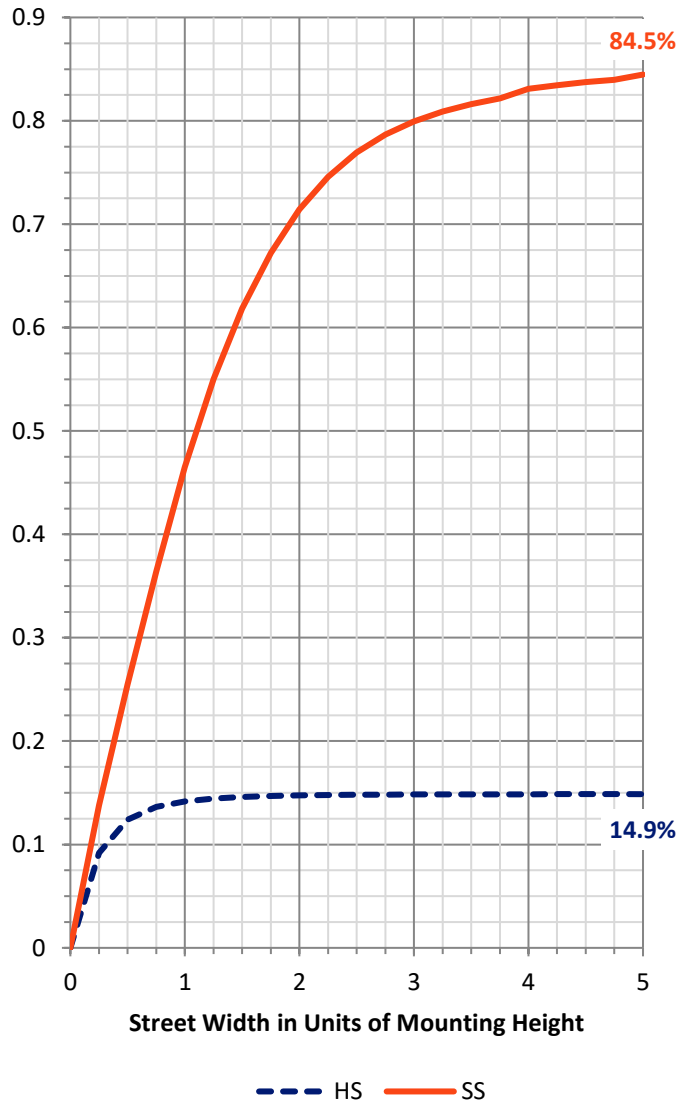
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3177.5	0.0	3177.5
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	17997.5	0.0	17997.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	21175.0	0.0	21175.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.9	2.5
10°-20°	1061.0	5.0
20°-30°	1501.0	7.1
30°-40°	2207.0	10.4
40°-50°	3172.1	15.0
50°-60°	4465.5	21.1
60°-70°	5215.3	24.6
70°-80°	2660.7	12.6
80°-90°	353.5	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°	21175.0	100.0
0°-180°	21175.0	100.0

Coefficient of Utilization

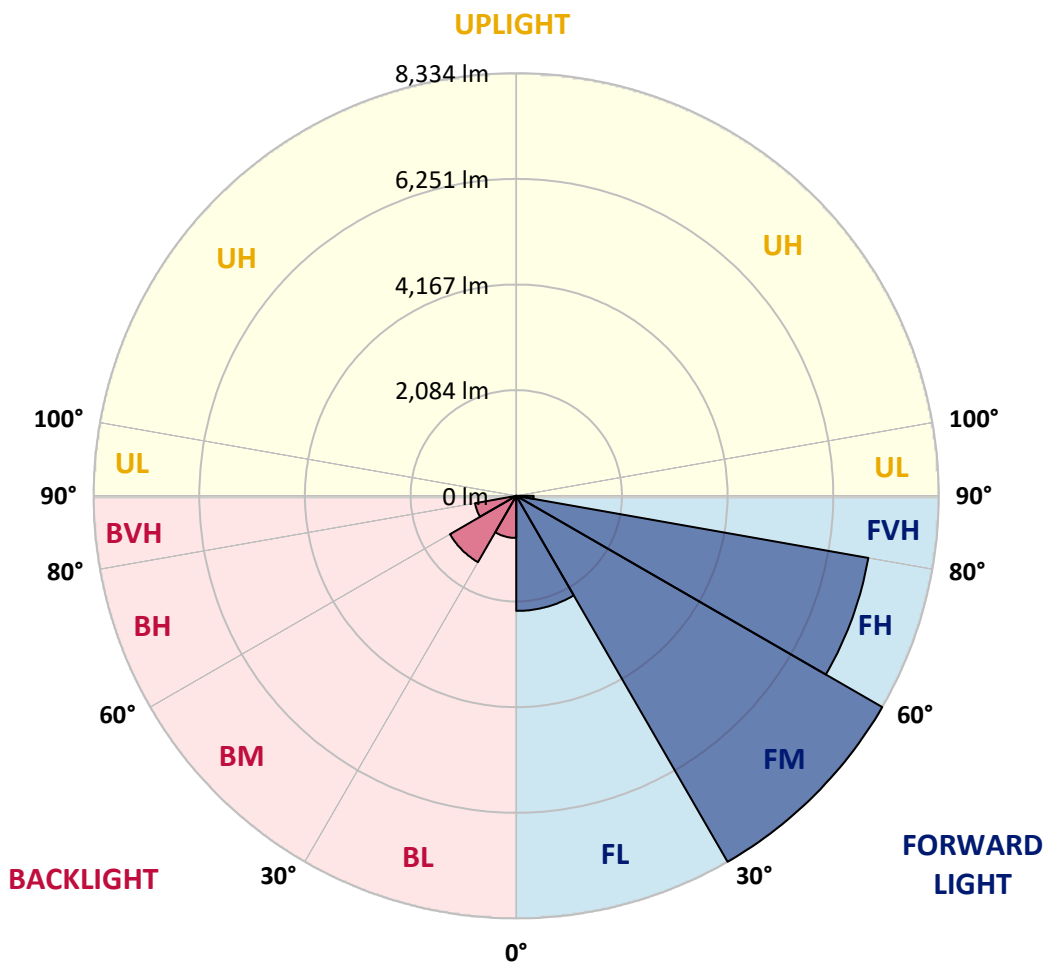


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2270.0	10.7			
FM (30°-60°)	8334.1	39.4			
FH (60°-80°)	7050.7	33.3			G3/7500
FVH (80°-90°)	342.7	1.6			G3/500
BL (0°-30°)	831.0	3.9	B2/1000		
BM (30°-60°)	1510.5	7.1	B2/2500		
BH (60°-80°)	825.4	3.9	B2/1000		G2/1000
BVH (80°-90°)	10.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9
2.5°	7700.7	7712.7	7774.9	7919.4	8076.8	8088.9	8195.2	8085.9	8048.8	7872.2	7689.7
5°	7758.9	7805.0	8018.7	8443.0	8811.1	8929.5	9013.7	8799.1	8573.4	8142.0	7681.6
7.5°	7290.4	7367.7	7703.7	8500.1	9158.2	9449.1	9504.2	9168.2	8615.5	7905.3	7213.2
10°	6690.6	6778.9	7184.1	8163.1	9066.9	9565.4	9641.7	9201.3	8406.9	7522.1	6706.6
12.5°	6205.1	6308.4	6722.7	7783.9	8752.9	9304.6	9455.1	9090.0	8226.3	7250.3	6360.6
15°	5981.4	6099.8	6535.1	7539.2	8404.9	8839.2	8963.6	8806.1	8126.0	7207.2	6280.3
17.5°	6109.8	6238.2	6687.6	7560.3	8077.8	8263.4	8363.7	8427.9	8126.0	7467.0	6515.0
20°	6636.4	6774.8	7250.3	7773.9	7807.0	7737.8	7845.1	8070.8	8220.3	7960.5	7078.8
22.5°	7364.7	7527.2	8063.8	8140.0	7674.6	7412.8	7426.8	7780.9	8391.8	8586.4	7861.2
25°	8252.4	8451.0	8996.7	8685.7	7729.8	7219.2	7214.2	7542.2	8559.3	9213.3	8732.9
27.5°	9134.1	9352.8	9832.2	9351.8	7957.5	7184.1	7174.1	7470.0	8722.8	9771.1	9684.8
30°	9873.4	10086.0	10499.3	9834.2	8203.2	7266.4	7218.2	7547.2	8820.1	10133.2	10378.9
32.5°	10475.2	10645.7	10979.8	10166.3	8466.0	7425.8	7321.5	7753.8	8985.6	10439.1	11016.9
35°	11137.3	11316.8	11450.2	10482.2	8760.9	7655.5	7506.1	8081.9	9240.4	10750.1	11716.0
37.5°	11892.6	12071.1	12055.1	10771.1	9135.1	8035.7	7940.4	8601.5	9636.6	11058.0	12496.4
40°	12631.9	12814.4	12684.0	11087.1	9574.4	8662.6	8592.4	9381.9	10167.3	11452.2	13411.3
42.5°	13324.0	13521.6	13242.7	11386.0	10098.1	9453.1	9573.4	10386.9	10831.3	11937.7	14199.7
45°	13881.7	14083.3	13711.2	11676.9	10649.8	10412.0	10774.1	11500.4	11629.8	12348.0	14732.3
47.5°	14286.9	14477.5	14036.2	11967.8	11355.9	11584.6	12215.6	12668.0	12351.0	12704.1	15110.5
50°	14545.7	14694.2	14131.5	12331.9	12282.8	12952.8	13717.2	13937.9	13030.1	13025.1	15569.9
52.5°	14710.2	14777.5	14201.7	12712.1	13249.8	14442.4	15187.7	15256.9	13729.2	13378.1	16188.8
55°	15277.0	15331.2	14699.2	13172.5	14049.2	15747.4	16517.8	16453.6	14520.7	14069.3	16919.0
57.5°	16244.0	16301.1	15727.4	13834.6	14696.2	16553.9	17481.8	17597.1	15448.5	15040.3	17701.4
60°	16729.5	16835.8	16631.2	14673.1	15323.1	17069.5	18138.8	18506.9	16608.1	16320.2	18459.8
62.5°	16289.1	16443.6	16740.5	15603.0	15946.0	17353.4	18343.4	18832.9	17795.7	17811.8	18927.2
65°	15410.4	15533.8	16037.3	16112.6	16307.2	17318.3	17837.9	18377.5	18523.0	19182.0	18902.1
67.5°	14349.1	14395.3	14822.6	16152.7	15783.5	16263.0	16319.2	16718.4	17948.2	19667.5	18142.8
70°	12821.4	12846.5	13219.7	14809.6	13563.7	13669.0	13585.8	13667.0	15430.5	18484.9	16225.9
72.5°	10318.7	10381.9	10912.6	12298.8	9881.4	9577.5	10231.5	10195.4	11883.6	15617.0	12051.1
75°	7597.4	7706.7	8508.2	9906.5	6935.3	6273.3	6750.8	6878.2	8448.0	12080.2	7536.2
77.5°	5319.4	5400.6	6177.0	7282.4	5019.4	4485.8	4313.3	4464.7	5576.2	8738.9	3796.7
80°	3064.4	3094.5	3590.0	4204.9	3382.4	3869.9	3505.8	3610.1	3341.3	3888.0	1633.0
82.5°	2005.2	2010.2	2203.8	2502.7	2106.5	2447.5	1811.6	2316.1	2055.3	1561.8	531.6
85°	1083.3	1089.4	1277.9	1776.5	1192.7	674.1	396.2	813.5	1270.9	358.1	145.4
87.5°	119.4	109.3	385.2	646.0	331.0	61.2	21.1	91.3	203.6	23.1	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°	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9
2.5°	7596.4	7513.1	7305.5	7085.8	6909.3	6743.7	6577.2	6373.6	6216.1	6184.0	6131.9
5°	7433.9	7170.1	6734.7	6297.4	5945.3	5500.9	5219.1	4999.4	4784.7	4771.7	4728.5
7.5°	6866.1	6519.1	5906.2	5301.3	4805.8	4382.5	3955.2	3669.3	3444.6	3365.4	3318.2
10°	6320.4	5930.2	5164.9	4474.8	4032.4	3658.3	3357.3	3058.4	2787.6	2601.0	2516.7
12.5°	5939.3	5507.9	4664.3	4069.5	3752.5	3397.5	3030.3	2657.2	2345.2	2120.5	1983.1
15°	5791.8	5331.4	4496.8	3909.0	3517.8	3068.4	2599.0	2172.7	1826.6	1623.0	1499.6
17.5°	5967.4	5431.7	4483.8	3713.4	3166.7	2608.0	2089.4	1585.9	1259.9	1105.4	1026.2
20°	6412.7	5750.7	4478.8	3473.7	2749.5	2062.3	1415.4	1043.2	845.6	759.3	722.2
22.5°	7042.7	6157.9	4518.9	3237.0	2315.1	1473.5	977.0	766.4	665.0	618.9	597.8
25°	7853.2	6729.7	4632.2	3022.3	1906.9	1099.4	761.3	642.0	570.8	534.6	519.6
27.5°	8716.8	7387.7	4808.8	2835.7	1574.8	876.7	652.0	549.7	498.5	473.5	459.4
30°	9429.0	8150.1	4987.3	2628.1	1334.1	764.4	596.8	501.5	442.4	426.3	413.3
32.5°	10051.9	8726.8	5113.7	2440.5	1176.6	679.1	539.7	448.4	408.3	377.2	363.1
35°	10696.9	9207.3	5109.7	2309.1	1068.3	614.9	491.5	401.2	353.1	317.0	305.9
37.5°	11395.0	9750.0	5022.4	2196.8	1021.1	563.7	464.4	376.2	328.0	291.9	277.9
40°	12212.6	10319.7	4933.2	2091.4	1008.1	522.6	445.4	356.1	304.9	269.8	255.8
42.5°	13009.0	10833.3	4854.9	2013.2	951.9	521.6	428.3	341.0	286.9	252.8	236.7
45°	13646.0	11311.8	4839.9	1966.0	892.7	539.7	419.3	331.0	272.8	238.7	223.7
47.5°	14175.6	11831.4	4936.2	1932.9	836.6	492.5	441.4	324.0	259.8	226.7	209.6
50°	14805.5	12469.4	5162.9	1878.8	777.4	443.4	505.6	326.0	248.8	214.7	196.6
52.5°	15684.2	13352.1	5495.9	1787.5	696.1	398.2	497.5	328.0	236.7	201.6	183.6
55°	16669.3	14454.5	5854.0	1636.0	582.8	339.0	426.3	314.0	213.7	187.6	170.5
57.5°	17704.5	15454.5	6066.7	1455.5	463.4	292.9	341.0	285.9	188.6	168.5	157.5
60°	17867.0	15834.7	5969.4	1233.8	368.1	254.8	252.8	290.9	168.5	148.5	140.4
62.5°	17462.7	15357.2	5498.9	1036.2	307.9	223.7	207.6	253.8	152.5	132.4	124.4
65°	16685.3	14066.3	4736.6	933.9	285.9	191.6	172.5	178.5	133.4	115.4	108.3
67.5°	15604.0	12343.0	3889.0	875.7	282.9	164.5	147.5	135.4	115.4	100.3	94.3
70°	13393.2	10282.6	3102.5	843.6	274.8	138.4	124.4	110.3	96.3	85.3	80.2
72.5°	9857.3	7286.4	2413.4	808.5	276.9	110.3	108.3	91.3	77.2	66.2	64.2
75°	5695.5	4162.8	1582.9	655.0	263.8	85.3	90.3	64.2	54.2	46.1	46.1
77.5°	3035.3	2538.8	602.9	272.8	96.3	54.2	51.2	38.1	34.1	28.1	27.1
80°	1323.1	1117.4	181.6	76.2	53.2	29.1	19.1	17.1	15.0	12.0	11.0
82.5°	468.4	404.2	59.2	37.1	23.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	106.3	76.2	0.0	9.0	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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9
2.5°	6025.5	6003.5	5873.1	5878.1	5901.2	5934.3	5856.0	5892.1	5989.4	6082.7	6117.8
5°	4659.3	4664.3	4585.1	4634.3	4678.4	4708.5	4582.1	4584.1	4661.3	4766.7	4821.8
7.5°	3283.1	3275.1	3279.1	3396.4	3479.7	3419.5	3466.7	3303.2	3313.2	3388.4	3332.2
10°	2440.5	2330.2	2268.0	2356.2	2447.5	2414.4	2333.2	2280.0	2317.1	2400.4	2394.4
12.5°	1917.9	1759.4	1666.1	1602.9	1678.2	1616.0	1614.0	1567.8	1517.7	1526.7	1660.1
15°	1442.4	1327.1	1216.7	1115.4	1113.4	1092.4	985.0	864.7	854.6	860.6	929.9
17.5°	992.1	952.9	907.8	820.5	797.5	709.2	604.9	556.7	532.6	543.7	566.7
20°	697.1	682.1	687.1	640.0	606.9	522.6	461.4	442.4	438.3	449.4	460.4
22.5°	577.8	550.7	547.7	526.6	493.5	432.3	399.2	388.2	383.2	393.2	401.2
25°	505.6	478.5	467.4	454.4	419.3	377.2	357.1	347.1	342.1	348.1	353.1
27.5°	445.4	420.3	410.3	401.2	367.1	337.0	321.0	312.0	307.9	310.0	315.0
30°	400.2	378.2	365.1	354.1	325.0	303.9	289.9	280.9	276.9	276.9	281.9
32.5°	353.1	341.0	329.0	315.0	287.9	273.8	259.8	249.8	245.8	246.8	250.8
35°	293.9	289.9	292.9	279.9	256.8	244.8	230.7	219.7	216.7	217.7	221.7
37.5°	260.8	242.7	253.8	246.8	233.7	217.7	199.6	189.6	184.6	187.6	189.6
40°	239.7	217.7	209.6	216.7	214.7	188.6	172.5	162.5	158.5	159.5	161.5
42.5°	221.7	195.6	177.5	176.5	188.6	164.5	147.5	138.4	133.4	133.4	135.4
45°	204.6	176.5	154.5	137.4	158.5	139.4	123.4	115.4	109.3	109.3	110.3
47.5°	191.6	160.5	134.4	112.3	119.4	114.4	101.3	93.3	87.3	87.3	88.3
50°	179.6	144.4	116.4	94.3	89.3	94.3	82.3	73.2	69.2	68.2	70.2
52.5°	166.5	128.4	99.3	80.2	70.2	71.2	64.2	58.2	53.2	53.2	55.2
55°	153.5	115.4	86.3	68.2	58.2	53.2	51.2	47.1	43.1	43.1	45.1
57.5°	140.4	101.3	73.2	56.2	46.1	42.1	42.1	39.1	36.1	36.1	38.1
60°	128.4	87.3	60.2	46.1	36.1	35.1	36.1	33.1	31.1	31.1	33.1
62.5°	114.4	74.2	49.2	38.1	29.1	28.1	31.1	29.1	27.1	27.1	29.1
65°	97.3	63.2	39.1	29.1	22.1	22.1	26.1	24.1	22.1	22.1	24.1
67.5°	82.3	53.2	30.1	21.1	16.0	17.1	22.1	20.1	19.1	19.1	21.1
70°	68.2	41.1	21.1	13.0	9.0	13.0	17.1	17.1	17.1	17.1	19.1
72.5°	51.2	28.1	12.0	5.0	4.0	9.0	14.0	16.0	15.0	15.0	18.1
75°	33.1	16.0	4.0	0.0	0.0	5.0	11.0	13.0	13.0	12.0	15.0
77.5°	19.1	5.0	0.0	0.0	0.0	0.0	7.0	6.0	5.0	4.0	7.0
80°	5.0	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: P324199
 CATALOG NUMBER: GAN-SA5B-750-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9	7103.9
2.5°	6259.3	6377.6	6544.1	6720.7	6992.5	7208.2	7419.8	7601.4	7671.6	7700.7
5°	4954.2	5127.8	5371.5	5684.5	6175.0	6616.4	7063.7	7514.1	7709.7	7758.9
7.5°	3554.9	3776.6	4086.6	4478.8	5053.5	5625.3	6250.2	6911.3	7214.2	7290.4
10°	2631.1	2901.9	3257.0	3670.3	4219.0	4806.8	5487.9	6243.2	6589.3	6690.6
12.5°	1866.7	2232.9	2708.3	3210.9	3686.3	4211.0	4900.1	5732.6	6095.7	6205.1
15°	1096.4	1450.5	2013.2	2686.3	3295.1	3826.8	4526.9	5470.8	5871.1	5981.4
17.5°	628.9	805.5	1230.8	1981.1	2807.6	3543.9	4409.6	5536.0	6007.5	6109.8
20°	480.5	536.7	709.2	1275.9	2237.9	3266.0	4409.6	5905.2	6485.9	6636.4
22.5°	420.3	461.4	531.6	761.3	1647.1	2968.1	4460.7	6438.8	7198.1	7364.7
25°	373.1	410.3	470.4	572.8	1123.5	2614.0	4582.1	7093.8	8036.7	8252.4
27.5°	334.0	369.1	423.3	501.5	768.4	2186.7	4745.6	7862.2	8961.6	9134.1
30°	298.9	332.0	381.2	436.3	592.8	1702.2	4885.0	8586.4	9687.8	9873.4
32.5°	265.8	295.9	340.0	381.2	485.5	1258.9	4900.1	9160.2	10290.7	10475.2
35°	234.7	261.8	301.9	334.0	402.2	994.1	4666.4	9657.7	10893.5	11137.3
37.5°	204.6	230.7	265.8	289.9	354.1	810.5	4309.3	10212.4	11666.9	11892.6
40°	176.5	199.6	235.7	251.8	335.0	622.9	3921.1	10794.2	12425.2	12631.9
42.5°	150.5	172.5	207.6	238.7	293.9	465.4	3501.8	11339.9	13107.3	13324.0
45°	125.4	148.5	183.6	252.8	243.7	348.1	3053.4	11702.0	13646.0	13881.7
47.5°	101.3	127.4	175.5	240.7	194.6	255.8	2698.3	12045.0	14054.2	14286.9
50°	81.2	107.3	197.6	214.7	159.5	195.6	2549.8	12352.0	14322.1	14545.7
52.5°	66.2	90.3	186.6	164.5	133.4	161.5	2630.1	12849.5	14569.8	14710.2
55°	55.2	71.2	112.3	114.4	113.3	137.4	2729.4	13563.7	15210.8	15277.0
57.5°	48.1	57.2	78.2	88.3	95.3	122.4	2731.4	14588.9	16202.8	16244.0
60°	41.1	50.2	65.2	71.2	82.3	109.3	2632.1	14947.0	16593.0	16729.5
62.5°	36.1	44.1	54.2	59.2	69.2	98.3	2399.4	14428.4	16057.4	16289.1
65°	32.1	40.1	45.1	50.2	61.2	88.3	2016.2	13391.2	15168.7	15410.4
67.5°	28.1	35.1	40.1	45.1	55.2	78.2	1484.6	12186.5	14148.5	14349.1
70°	25.1	31.1	36.1	40.1	48.1	66.2	900.8	10340.8	12738.2	12821.4
72.5°	24.1	28.1	33.1	36.1	42.1	58.2	456.4	7599.4	10183.3	10318.7
75°	21.1	25.1	30.1	32.1	37.1	50.2	185.6	4991.4	7379.7	7597.4
77.5°	17.1	23.1	27.1	29.1	32.1	41.1	94.3	3189.8	5178.9	5319.4
80°	6.0	17.1	23.1	24.1	27.1	30.1	62.2	1746.4	3004.2	3064.4
82.5°	0.0	11.0	18.1	17.1	19.1	23.1	40.1	830.6	1983.1	2005.2
85°	0.0	5.0	14.0	11.0	8.0	16.0	14.0	181.6	1040.2	1083.3
87.5°	0.0	0.0	1.0	5.0	4.0	6.0	2.0	1.0	94.3	119.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)