

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: P324160

Luminaire Tested: **GAN-SA6B-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324160
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-SA6B-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 25338 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

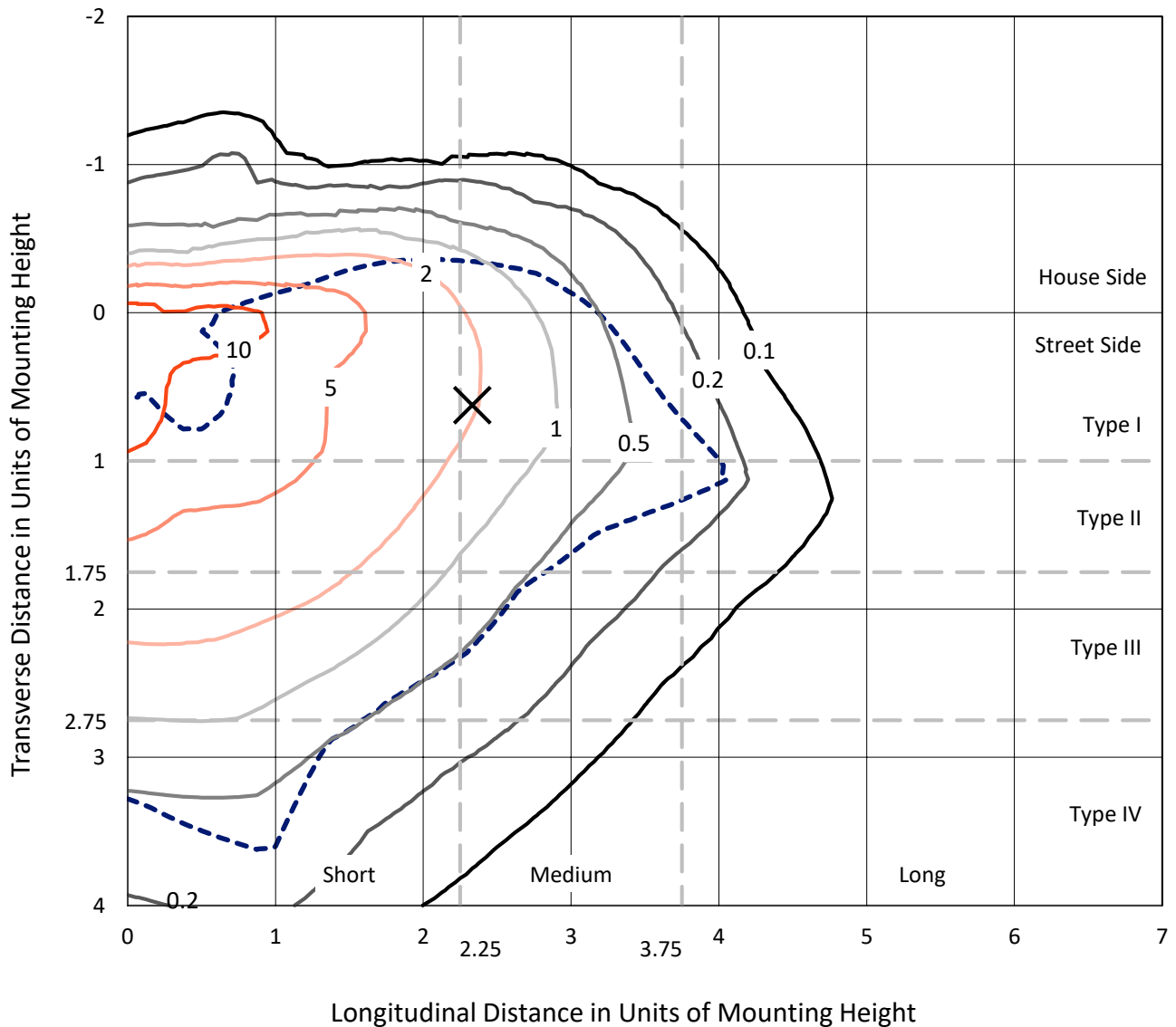
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

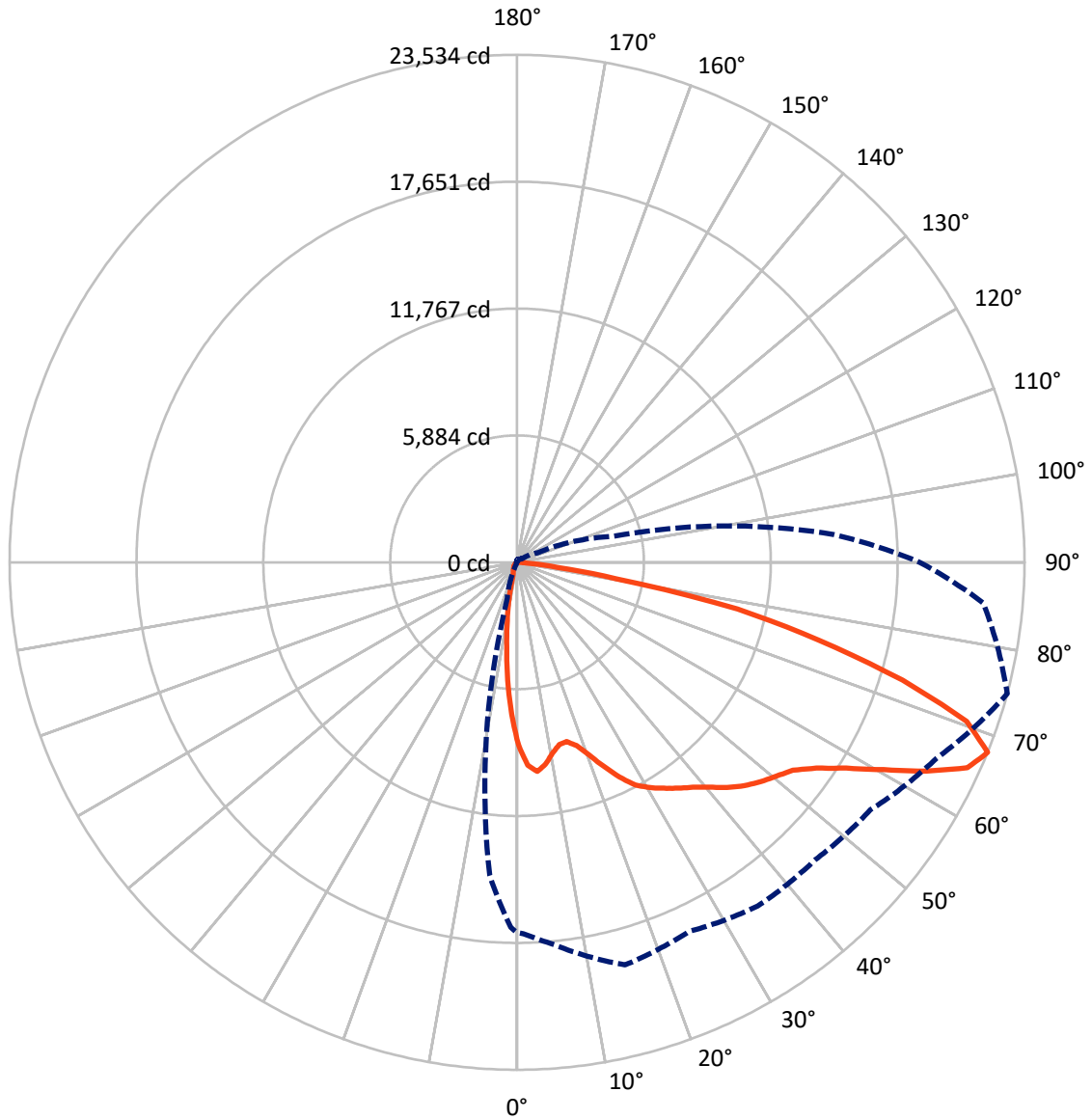
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.6 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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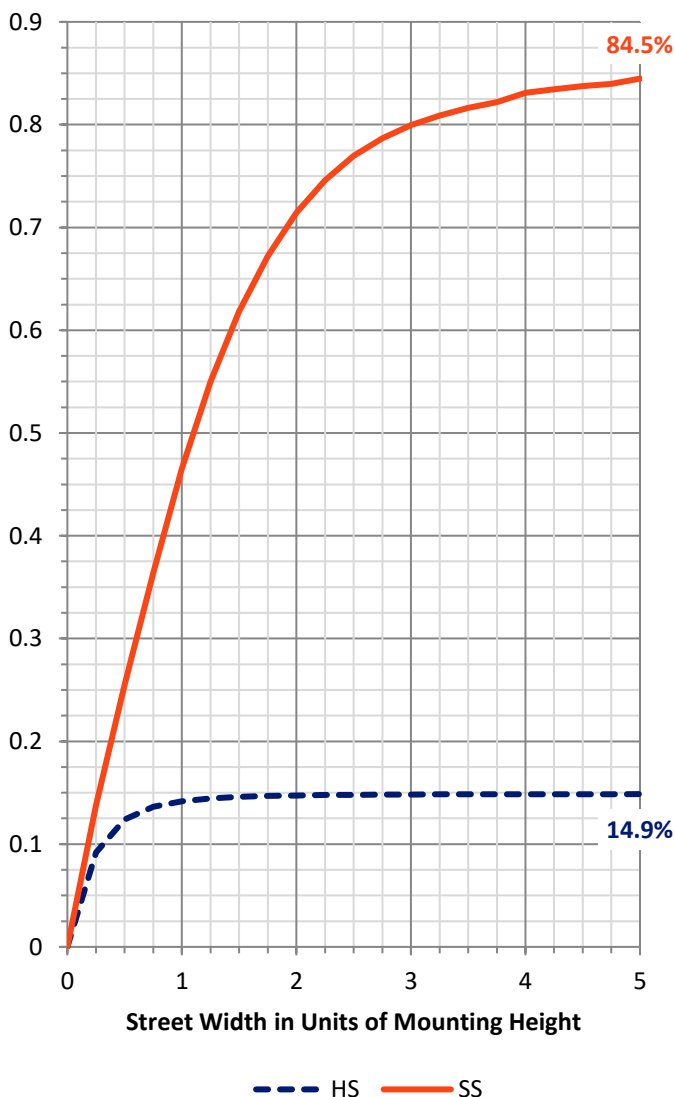
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3802.2	0.0	3802.2
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	21535.8	0.0	21535.8
	% Fixture	85.0	0.0	85.0
Total	Lumens	25338.0	0.0	25338.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.8	2.5
10°-20°	1269.6	5.0
20°-30°	1796.1	7.1
30°-40°	2640.8	10.4
40°-50°	3795.8	15.0
50°-60°	5343.4	21.1
60°-70°	6240.7	24.6
70°-80°	3183.8	12.6
80°-90°	422.9	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°	25338.0	100.0
0°-180°	25338.0	100.0

Coefficient of Utilization

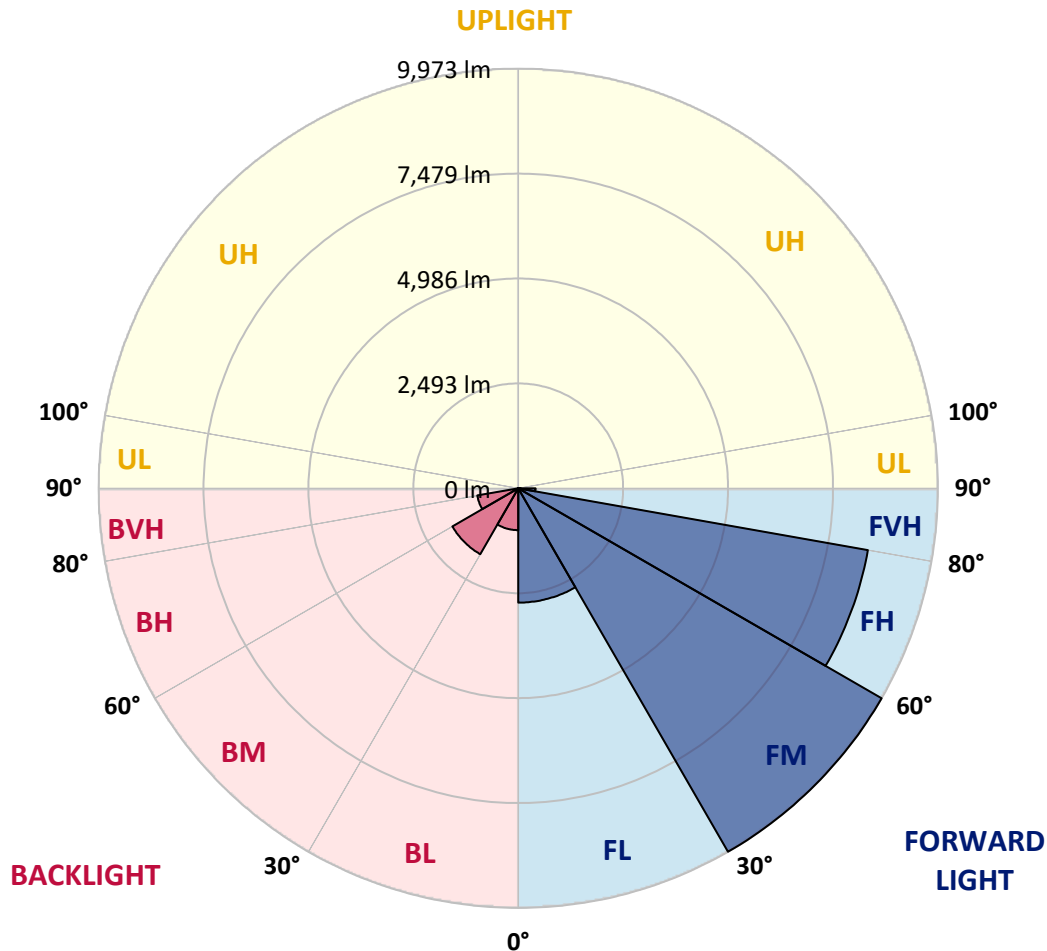


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2716.2	10.7			
FM (30°-60°)	9972.6	39.4			
FH (60°-80°)	8436.8	33.3			G4/12000
FVH (80°-90°)	410.1	1.6			G3/500
BL (0°-30°)	994.3	3.9	B2/1000		
BM (30°-60°)	1807.5	7.1	B2/2500		
BH (60°-80°)	987.6	3.9	B2/1000		G2/1000
BVH (80°-90°)	12.8	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-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5
2.5°	9214.6	9229.0	9303.5	9476.3	9664.7	9679.2	9806.4	9675.6	9631.1	9419.9	9201.4
5°	9284.3	9339.5	9595.1	10102.9	10543.4	10685.0	10785.8	10529.0	10258.9	9742.8	9191.8
7.5°	8723.7	8816.1	9218.2	10171.3	10958.7	11306.7	11372.8	10970.7	10309.3	9459.5	8631.3
10°	8005.9	8111.6	8596.5	9768.0	10849.4	11446.0	11537.2	11010.3	10059.6	9001.0	8025.2
12.5°	7425.0	7548.6	8044.4	9314.3	10473.7	11133.9	11313.9	10877.0	9843.6	8675.7	7611.0
15°	7157.3	7299.0	7819.9	9021.4	10057.2	10577.0	10725.8	10537.4	9723.6	8624.1	7515.0
17.5°	7311.0	7464.6	8002.3	9046.6	9665.9	9888.0	10008.0	10084.9	9723.6	8935.0	7795.9
20°	7941.1	8106.8	8675.7	9302.3	9341.9	9259.0	9387.5	9657.5	9836.4	9525.5	8470.5
22.5°	8812.5	9007.0	9649.1	9740.4	9183.4	8870.2	8887.0	9310.7	10041.6	10274.5	9406.7
25°	9874.8	10112.5	10765.4	10393.3	9249.4	8638.5	8632.5	9025.0	10242.1	11024.7	10449.7
27.5°	10929.9	11191.5	11765.3	11190.3	9521.9	8596.5	8584.5	8938.6	10437.7	11692.0	11588.8
30°	11814.5	12068.9	12563.5	11767.7	9816.0	8694.9	8637.3	9031.0	10554.2	12125.3	12419.4
32.5°	12534.6	12738.7	13138.4	12165.0	10130.5	8885.8	8760.9	9278.3	10752.2	12491.4	13182.8
35°	13326.8	13541.7	13701.3	12543.0	10483.3	9160.6	8981.8	9670.8	11057.1	12863.5	14019.4
37.5°	14230.7	14444.3	14425.1	12888.7	10931.1	9615.5	9501.5	10292.5	11531.2	13232.0	14953.2
40°	15115.3	15333.7	15177.7	13266.8	11456.8	10365.7	10281.7	11226.3	12166.2	13703.7	16047.9
42.5°	15943.5	16179.9	15846.3	13624.5	12083.3	11311.5	11455.6	12429.0	12960.7	14284.7	16991.3
45°	16610.8	16852.1	16406.8	13972.6	12743.5	12459.0	12892.3	13761.3	13916.2	14775.6	17628.7
47.5°	17095.8	17323.8	16795.7	14320.7	13588.5	13862.2	14617.2	15158.5	14779.2	15201.7	18081.2
50°	17405.4	17583.1	16909.7	14756.4	14697.6	15499.4	16414.0	16678.1	15591.8	15585.8	18630.9
52.5°	17602.3	17682.7	16993.7	15211.3	15854.7	17281.8	18173.6	18256.4	16428.4	16008.3	19371.5
55°	18280.4	18345.3	17589.1	15762.2	16811.3	18843.4	19765.2	19688.4	17375.4	16835.3	20245.3
57.5°	19437.5	19505.9	18819.4	16554.4	17585.5	19808.4	20918.7	21056.7	18485.7	17997.2	21181.5
60°	20018.5	20145.7	19900.8	17557.9	18335.7	20425.4	21704.9	22145.4	19873.2	19528.7	22089.0
62.5°	19491.5	19676.4	20031.7	18670.5	19081.0	20765.0	21949.7	22535.5	21294.4	21313.6	22648.3
65°	18440.1	18587.7	19190.3	19280.3	19513.1	20723.0	21344.8	21990.5	22164.6	22953.2	22618.3
67.5°	17170.2	17225.4	17736.7	19328.3	18886.6	19460.3	19527.5	20005.3	21476.8	23534.1	21709.7
70°	15342.1	15372.1	15818.6	17721.1	16230.3	16356.4	16256.8	16354.0	18464.1	22119.0	19415.9
72.5°	12347.4	12423.0	13058.0	14716.8	11824.1	11460.4	12243.0	12199.8	14219.9	18687.3	14420.3
75°	9091.0	9221.8	10180.9	11854.1	8298.8	7506.6	8078.0	8230.4	10108.9	14455.1	9017.8
77.5°	6365.1	6462.4	7391.4	8714.1	6006.3	5367.7	5161.3	5342.5	6672.4	10456.9	4543.1
80°	3666.9	3702.9	4295.8	5031.6	4047.4	4630.7	4195.0	4319.8	3998.2	4652.3	1954.1
82.5°	2399.4	2405.4	2637.0	2994.7	2520.6	2928.7	2167.7	2771.5	2459.4	1868.9	636.2
85°	1296.3	1303.5	1529.2	2125.7	1427.1	806.6	474.1	973.4	1520.8	428.5	174.0
87.5°	142.8	130.8	460.9	773.0	396.1	73.2	25.2	109.2	243.7	27.6	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°	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5
2.5°	9089.8	8990.2	8741.7	8478.9	8267.6	8069.6	7870.3	7626.7	7438.2	7399.8	7337.4
5°	8895.4	8579.7	8058.8	7535.4	7114.1	6582.4	6245.1	5982.3	5725.4	5709.8	5658.2
7.5°	8216.0	7800.7	7067.3	6343.5	5750.6	5244.1	4732.8	4390.7	4121.8	4027.0	3970.6
10°	7563.0	7096.1	6180.3	5354.5	4825.2	4377.5	4017.4	3659.7	3335.6	3112.4	3011.5
12.5°	7106.9	6590.8	5581.4	4869.6	4490.3	4065.4	3626.1	3179.6	2806.3	2537.4	2373.0
15°	6930.5	6379.6	5380.9	4677.5	4209.4	3671.7	3110.0	2599.8	2185.7	1942.1	1794.4
17.5°	7140.5	6499.6	5365.3	4443.5	3789.3	3120.8	2500.2	1897.7	1507.6	1322.7	1227.9
20°	7673.5	6881.3	5359.3	4156.6	3290.0	2467.8	1693.6	1248.3	1011.8	908.6	864.2
22.5°	8427.2	7368.6	5407.3	3873.3	2770.3	1763.2	1169.1	917.0	795.8	740.6	715.4
25°	9397.1	8052.8	5542.9	3616.5	2281.8	1315.5	911.0	768.2	683.0	639.8	621.8
27.5°	10430.5	8840.1	5754.2	3393.2	1884.5	1049.1	780.2	657.8	596.5	566.5	549.7
30°	11282.7	9752.4	5967.9	3144.8	1596.4	914.6	714.2	600.1	529.3	510.1	494.5
32.5°	12028.1	10442.5	6119.1	2920.3	1407.9	812.6	645.8	536.5	488.5	451.3	434.5
35°	12799.9	11017.5	6114.3	2763.1	1278.3	735.8	588.1	480.1	422.5	379.3	366.1
37.5°	13635.3	11666.8	6009.9	2628.6	1221.9	674.6	555.7	450.1	392.5	349.3	332.5
40°	14613.6	12348.6	5903.0	2502.6	1206.3	625.4	532.9	426.1	364.9	322.9	306.1
42.5°	15566.6	12963.2	5809.4	2409.0	1139.1	624.2	512.5	408.1	343.3	302.5	283.3
45°	16328.8	13535.7	5791.4	2352.6	1068.3	645.8	501.7	396.1	326.5	285.7	267.7
47.5°	16962.5	14157.4	5906.6	2313.0	1001.0	589.3	528.1	387.7	310.9	271.3	250.9
50°	17716.3	14920.8	6177.9	2248.1	930.2	530.5	604.9	390.1	297.7	256.9	235.3
52.5°	18767.8	15977.1	6576.4	2138.9	833.0	476.5	595.3	392.5	283.3	241.3	219.7
55°	19946.4	17296.2	7004.9	1957.7	697.4	405.7	510.1	375.7	255.7	224.5	204.0
57.5°	21185.1	18492.9	7259.4	1741.6	554.5	350.5	408.1	342.1	225.7	201.6	188.4
60°	21379.6	18947.8	7142.9	1476.4	440.5	304.9	302.5	348.1	201.6	177.6	168.0
62.5°	20895.9	18376.5	6580.0	1239.9	368.5	267.7	248.5	303.7	182.4	158.4	148.8
65°	19965.7	16831.7	5667.8	1117.5	342.1	229.3	206.5	213.7	159.6	138.0	129.6
67.5°	18671.7	14769.6	4653.5	1047.9	338.5	196.8	176.4	162.0	138.0	120.0	112.8
70°	16026.3	12304.2	3712.5	1009.4	328.9	165.6	148.8	132.0	115.2	102.0	96.0
72.5°	11795.3	8718.9	2887.9	967.4	331.3	132.0	129.6	109.2	92.4	79.2	76.8
75°	6815.3	4981.2	1894.1	783.8	315.7	102.0	108.0	76.8	64.8	55.2	55.2
77.5°	3632.1	3037.9	721.4	326.5	115.2	64.8	61.2	45.6	40.8	33.6	32.4
80°	1583.2	1337.1	217.3	91.2	63.6	34.8	22.8	20.4	18.0	14.4	13.2
82.5°	560.5	483.7	70.8	44.4	27.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	127.2	91.2	0.0	10.8	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°	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5
2.5°	7210.2	7183.7	7027.7	7033.7	7061.3	7100.9	7007.3	7050.5	7166.9	7278.6	7320.6
5°	5575.4	5581.4	5486.5	5545.3	5598.2	5634.2	5482.9	5485.3	5577.8	5703.8	5769.8
7.5°	3928.6	3919.0	3923.8	4064.2	4163.8	4091.8	4148.2	3952.6	3964.6	4054.6	3987.4
10°	2920.3	2788.3	2713.9	2819.5	2928.7	2889.1	2791.9	2728.3	2772.7	2872.3	2865.1
12.5°	2295.0	2105.3	1993.7	1918.1	2008.1	1933.7	1931.3	1876.1	1816.0	1826.8	1986.5
15°	1726.0	1588.0	1456.0	1334.7	1332.3	1307.1	1178.7	1034.7	1022.6	1029.9	1112.7
17.5°	1187.1	1140.3	1086.3	981.8	954.2	848.6	723.8	666.2	637.4	650.6	678.2
20°	834.2	816.2	822.2	765.8	726.2	625.4	552.1	529.3	524.5	537.7	550.9
22.5°	691.4	659.0	655.4	630.2	590.5	517.3	477.7	464.5	458.5	470.5	480.1
25°	604.9	572.5	559.3	543.7	501.7	451.3	427.3	415.3	409.3	416.5	422.5
27.5°	532.9	502.9	490.9	480.1	439.3	403.3	384.1	373.3	368.5	370.9	376.9
30°	478.9	452.5	436.9	423.7	388.9	363.7	346.9	336.1	331.3	331.3	337.3
32.5°	422.5	408.1	393.7	376.9	344.5	327.7	310.9	298.9	294.1	295.3	300.1
35°	351.7	346.9	350.5	334.9	307.3	292.9	276.1	262.9	259.3	260.5	265.3
37.5°	312.1	290.5	303.7	295.3	279.7	260.5	238.9	226.9	220.9	224.5	226.9
40°	286.9	260.5	250.9	259.3	256.9	225.7	206.5	194.4	189.6	190.8	193.2
42.5°	265.3	234.1	212.5	211.3	225.7	196.8	176.4	165.6	159.6	159.6	162.0
45°	244.9	211.3	184.8	164.4	189.6	166.8	147.6	138.0	130.8	130.8	132.0
47.5°	229.3	192.0	160.8	134.4	142.8	136.8	121.2	111.6	104.4	104.4	105.6
50°	214.9	172.8	139.2	112.8	106.8	112.8	98.4	87.6	82.8	81.6	84.0
52.5°	199.2	153.6	118.8	96.0	84.0	85.2	76.8	69.6	63.6	63.6	66.0
55°	183.6	138.0	103.2	81.6	69.6	63.6	61.2	56.4	51.6	51.6	54.0
57.5°	168.0	121.2	87.6	67.2	55.2	50.4	50.4	46.8	43.2	43.2	45.6
60°	153.6	104.4	72.0	55.2	43.2	42.0	43.2	39.6	37.2	37.2	39.6
62.5°	136.8	88.8	58.8	45.6	34.8	33.6	37.2	34.8	32.4	32.4	34.8
65°	116.4	75.6	46.8	34.8	26.4	26.4	31.2	28.8	26.4	26.4	28.8
67.5°	98.4	63.6	36.0	25.2	19.2	20.4	26.4	24.0	22.8	22.8	25.2
70°	81.6	49.2	25.2	15.6	10.8	15.6	20.4	20.4	20.4	20.4	22.8
72.5°	61.2	33.6	14.4	6.0	4.8	10.8	16.8	19.2	18.0	18.0	21.6
75°	39.6	19.2	4.8	0.0	0.0	6.0	13.2	15.6	15.6	14.4	18.0
77.5°	22.8	6.0	0.0	0.0	0.0	0.0	8.4	7.2	6.0	4.8	8.4
80°	6.0	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: P324160
 CATALOG NUMBER: GAN-SA6B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5	8500.5
2.5°	7489.8	7631.5	7830.7	8042.0	8367.2	8625.3	8878.6	9095.8	9179.8	9214.6
5°	5928.2	6135.9	6427.6	6802.1	7389.0	7917.1	8452.5	8991.4	9225.4	9284.3
7.5°	4253.8	4519.1	4890.0	5359.3	6047.1	6731.2	7479.0	8270.0	8632.5	8723.7
10°	3148.4	3472.4	3897.3	4391.9	5048.4	5751.8	6566.8	7470.6	7884.7	8005.9
12.5°	2233.7	2671.8	3240.8	3842.1	4411.1	5038.8	5863.4	6859.7	7294.2	7425.0
15°	1311.9	1735.6	2409.0	3214.4	3943.0	4579.1	5416.9	6546.4	7025.3	7157.3
17.5°	752.6	963.8	1472.8	2370.6	3359.6	4240.6	5276.5	6624.4	7188.5	7311.0
20°	574.9	642.2	848.6	1526.8	2677.9	3908.1	5276.5	7066.1	7761.1	7941.1
22.5°	502.9	552.1	636.2	911.0	1970.9	3551.7	5337.7	7704.7	8613.3	8812.5
25°	446.5	490.9	562.9	685.4	1344.3	3128.0	5482.9	8488.5	9616.7	9874.8
27.5°	399.7	441.7	506.5	600.1	919.4	2616.6	5678.6	9407.9	10723.4	10929.9
30°	357.7	397.3	456.1	522.1	709.4	2036.9	5845.4	10274.5	11592.4	11814.5
32.5°	318.1	354.1	406.9	456.1	580.9	1506.4	5863.4	10961.1	12313.8	12534.6
35°	280.9	313.3	361.3	399.7	481.3	1189.5	5583.8	11556.4	13035.2	13326.8
37.5°	244.9	276.1	318.1	346.9	423.7	969.8	5156.5	12220.2	13960.6	14230.7
40°	211.3	238.9	282.1	301.3	400.9	745.4	4691.9	12916.3	14868.0	15115.3
42.5°	180.0	206.5	248.5	285.7	351.7	556.9	4190.2	13569.3	15684.2	15943.5
45°	150.0	177.6	219.7	302.5	291.7	416.5	3653.7	14002.6	16328.8	16610.8
47.5°	121.2	152.4	210.1	288.1	232.9	306.1	3228.8	14413.1	16817.3	17095.8
50°	97.2	128.4	236.5	256.9	190.8	234.1	3051.1	14780.4	17137.8	17405.4
52.5°	79.2	108.0	223.3	196.8	159.6	193.2	3147.2	15375.7	17434.2	17602.3
55°	66.0	85.2	134.4	136.8	135.6	164.4	3266.0	16230.3	18201.2	18280.4
57.5°	57.6	68.4	93.6	105.6	114.0	146.4	3268.4	17457.0	19388.3	19437.5
60°	49.2	60.0	78.0	85.2	98.4	130.8	3149.6	17885.5	19855.2	20018.5
62.5°	43.2	52.8	64.8	70.8	82.8	117.6	2871.1	17265.0	19214.3	19491.5
65°	38.4	48.0	54.0	60.0	73.2	105.6	2412.6	16023.9	18150.8	18440.1
67.5°	33.6	42.0	48.0	54.0	66.0	93.6	1776.4	14582.3	16930.1	17170.2
70°	30.0	37.2	43.2	48.0	57.6	79.2	1077.9	12373.8	15242.5	15342.1
72.5°	28.8	33.6	39.6	43.2	50.4	69.6	546.1	9093.4	12185.4	12347.4
75°	25.2	30.0	36.0	38.4	44.4	60.0	222.1	5972.7	8830.5	9091.0
77.5°	20.4	27.6	32.4	34.8	38.4	49.2	112.8	3816.9	6197.1	6365.1
80°	7.2	20.4	27.6	28.8	32.4	36.0	74.4	2089.7	3594.9	3666.9
82.5°	0.0	13.2	21.6	20.4	22.8	27.6	48.0	993.8	2373.0	2399.4
85°	0.0	6.0	16.8	13.2	9.6	19.2	16.8	217.3	1244.7	1296.3
87.5°	0.0	0.0	1.2	6.0	4.8	7.2	2.4	1.2	112.8	142.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)