

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: P383506

Luminaire Tested: **GAN-SA8A-735-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383506
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-SA8A-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 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: 25793.6 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

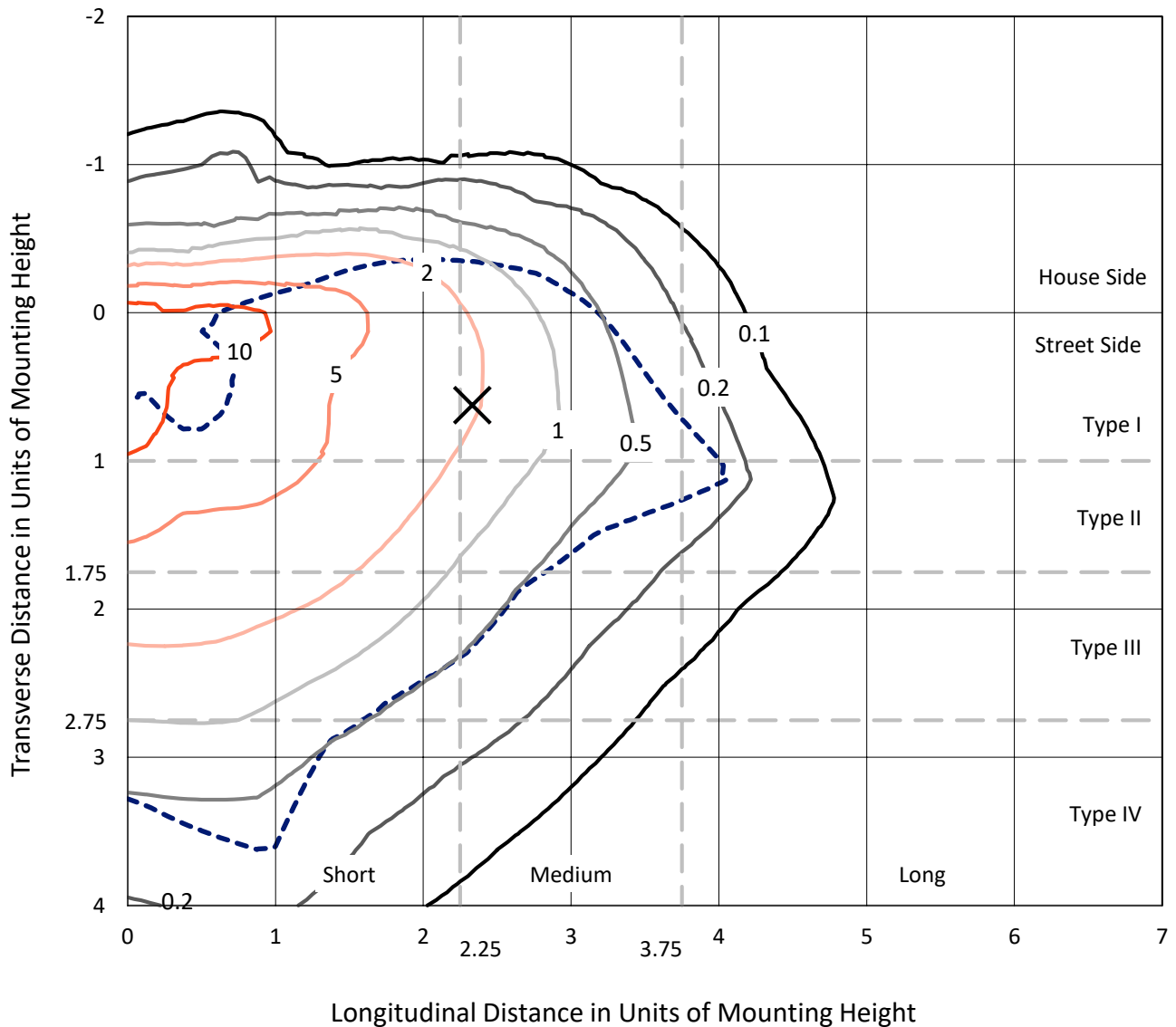
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383506
 CATALOG NUMBER: GAN-SA8A-735-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

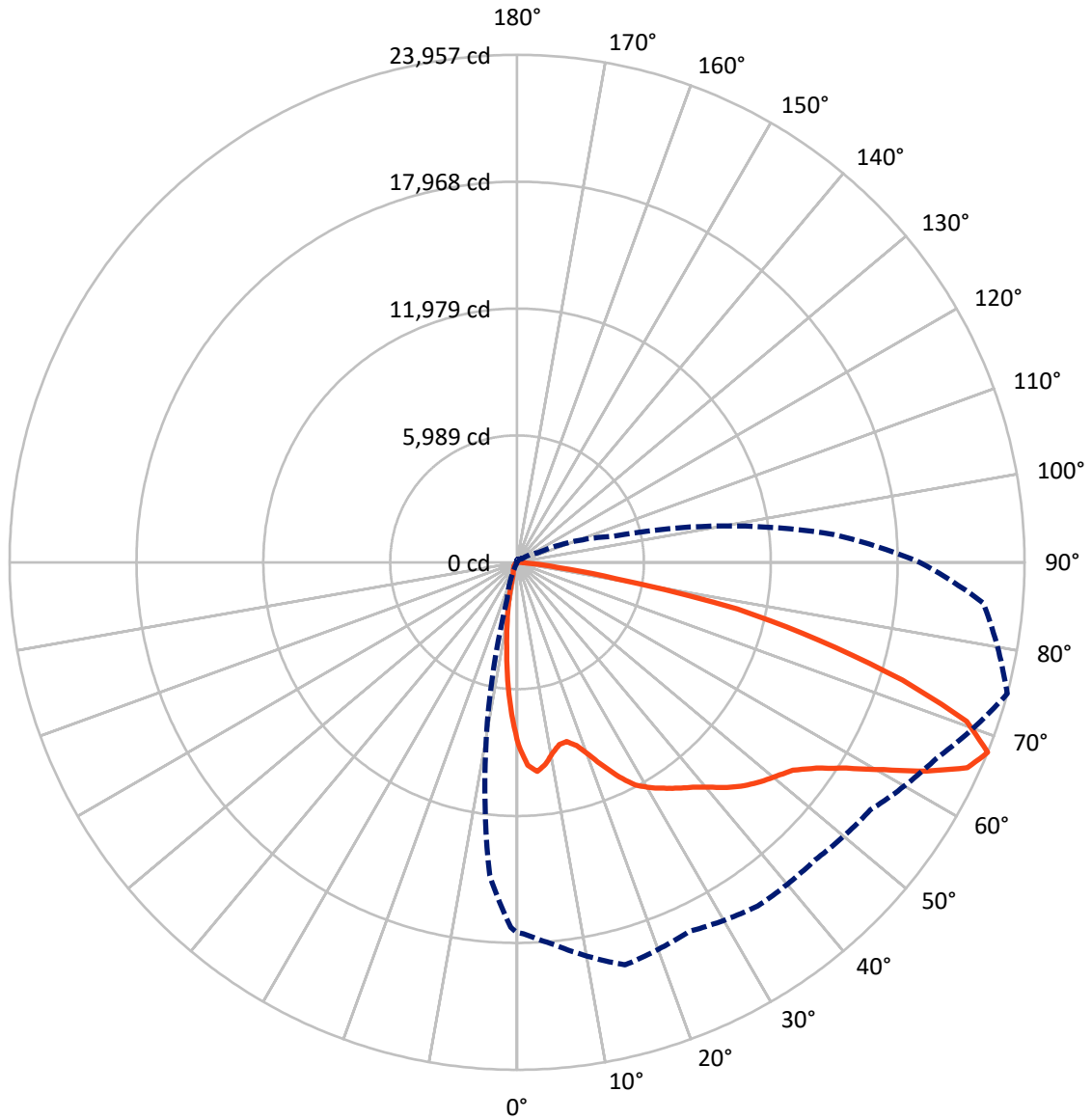
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P383506
CATALOG NUMBER: GAN-SA8A-735-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P383506
 CATALOG NUMBER: GAN-SA8A-735-U-SLL-HSS

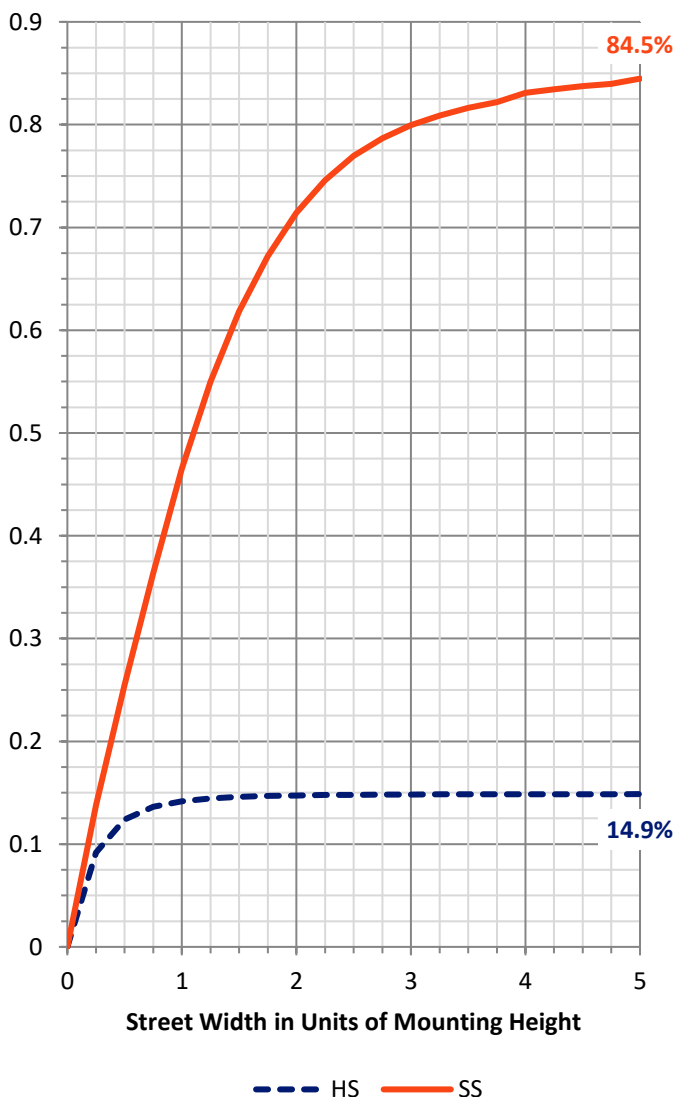
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3870.6	0.0	3870.6
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	21923.0	0.0	21923.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	25793.6	0.0	25793.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.4	2.5
10°-20°	1292.4	5.0
20°-30°	1828.4	7.1
30°-40°	2688.3	10.4
40°-50°	3864.0	15.0
50°-60°	5439.5	21.1
60°-70°	6352.9	24.6
70°-80°	3241.0	12.6
80°-90°	430.5	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°	25793.6	100.0
0°-180°	25793.6	100.0

Coefficient of Utilization

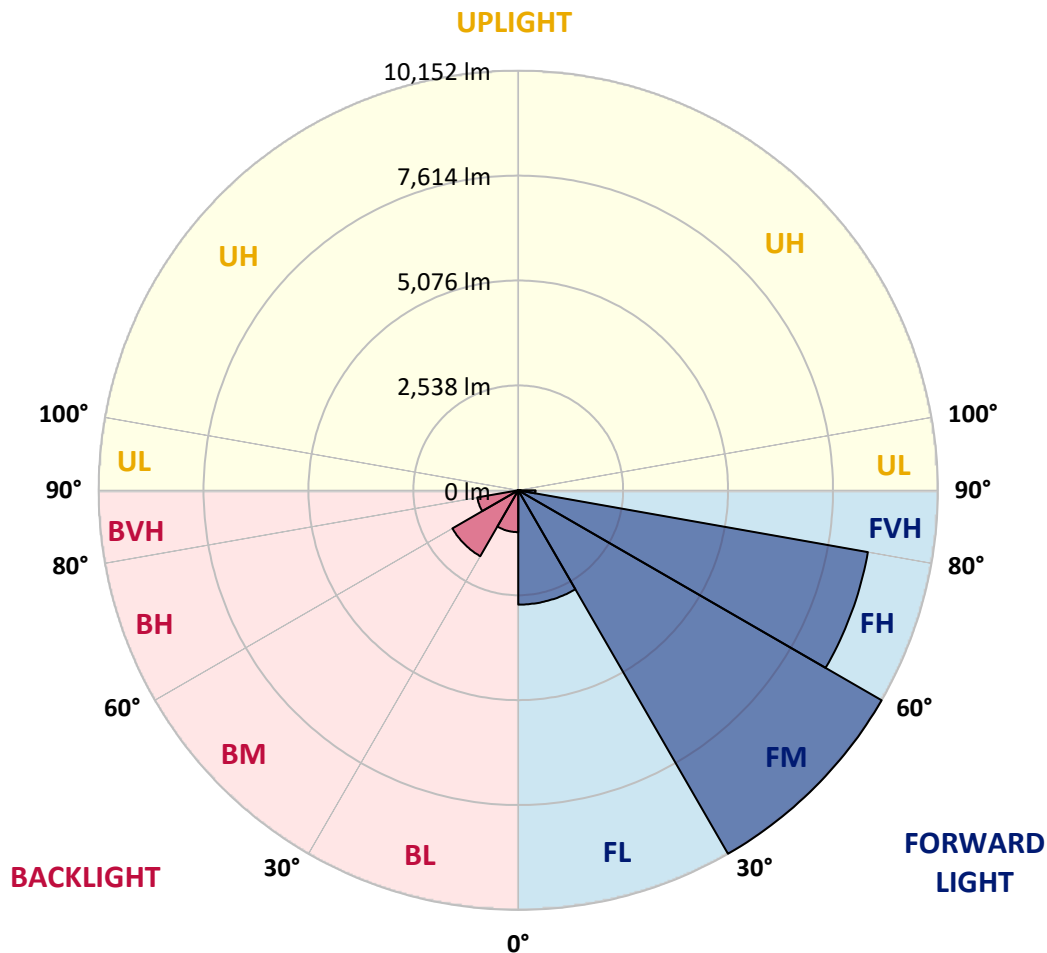


REPORT NUMBER: P383506
 CATALOG NUMBER: GAN-SA8A-735-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2765.1	10.7			
FM (30°-60°)	10151.9	39.4			
FH (60°-80°)	8588.5	33.3			G4/12000
FVH (80°-90°)	417.5	1.6			G3/500
BL (0°-30°)	1012.2	3.9	B3/2500		
BM (30°-60°)	1840.0	7.1	B2/2500		
BH (60°-80°)	1005.4	3.9	B3/2500		G3/2500
BVH (80°-90°)	13.1	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





REPORT NUMBER: P383506
 CATALOG NUMBER: GAN-SA8A-735-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3
2.5°	9380.3	9395.0	9470.8	9646.7	9838.5	9853.2	9982.7	9849.5	9804.4	9589.3	9366.9
5°	9451.2	9507.4	9767.6	10284.6	10732.9	10877.1	10979.8	10718.3	10443.4	9918.0	9357.1
7.5°	8880.6	8974.7	9384.0	10354.2	11155.7	11510.1	11577.3	11168.0	10494.7	9629.6	8786.5
10°	8149.9	8257.4	8751.1	9943.6	11044.5	11651.8	11744.7	11208.3	10240.5	9162.8	8169.5
12.5°	7558.5	7684.3	8189.0	9481.8	10662.1	11334.1	11517.4	11072.7	10020.6	8831.7	7747.9
15°	7286.0	7430.2	7960.5	9183.6	10238.1	10767.2	10918.7	10726.9	9898.4	8779.2	7650.1
17.5°	7442.4	7598.8	8146.2	9209.3	9839.8	10065.8	10188.0	10266.2	9898.4	9095.6	7936.0
20°	8084.0	8252.6	8831.7	9469.6	9509.9	9425.6	9556.3	9831.2	10013.3	9696.8	8622.8
22.5°	8971.0	9168.9	9822.6	9915.5	9348.5	9029.7	9046.7	9478.1	10222.2	10459.2	9575.8
25°	10052.3	10294.3	10959.0	10580.2	9415.8	8793.8	8787.8	9187.3	10426.3	11222.9	10637.6
27.5°	11126.4	11392.7	11976.8	11391.5	9693.1	8751.1	8738.8	9099.3	10625.4	11902.3	11797.2
30°	12026.9	12286.0	12789.4	11979.2	9992.5	8851.3	8792.6	9193.4	10743.9	12343.4	12642.8
32.5°	12760.1	12967.8	13374.6	12383.7	10312.6	9045.5	8918.5	9445.1	10945.6	12716.1	13419.9
35°	13566.5	13785.2	13947.7	12768.6	10671.9	9325.4	9143.3	9844.7	11255.9	13094.9	14271.5
37.5°	14486.6	14704.0	14684.5	13120.5	11127.6	9788.4	9672.4	10477.6	11738.5	13470.0	15222.1
40°	15387.1	15609.5	15450.6	13505.4	11662.8	10552.1	10466.6	11428.2	12384.9	13950.1	16336.5
42.5°	16230.2	16470.9	16131.2	13869.5	12300.6	11515.0	11661.6	12652.6	13193.8	14541.6	17296.9
45°	16909.5	17155.1	16701.8	14223.9	12972.6	12683.0	13124.2	14008.8	14166.4	15041.3	17945.7
47.5°	17403.2	17635.3	17097.7	14578.2	13832.8	14111.5	14880.0	15431.1	15045.0	15475.1	18406.4
50°	17718.4	17899.2	17213.8	15021.8	14961.9	15778.1	16709.2	16977.9	15872.2	15866.0	18965.9
52.5°	17918.8	18000.7	17299.3	15484.8	16139.7	17592.6	18500.4	18584.7	16723.8	16296.1	19719.8
55°	18609.2	18675.1	17905.4	16045.6	17113.6	19182.2	20120.6	20042.4	17687.9	17138.1	20609.4
57.5°	19787.0	19856.7	19157.7	16852.1	17901.7	20164.6	21294.8	21435.4	18818.1	18320.8	21562.4
60°	20378.4	20507.9	20258.6	17873.6	18665.3	20792.6	22095.2	22543.6	20230.6	19879.9	22486.2
62.5°	19842.1	20030.2	20391.9	19006.3	19424.2	21138.4	22344.5	22940.7	21677.3	21696.9	23055.5
65°	18771.7	18922.0	19535.3	19627.0	19864.0	21095.6	21728.6	22385.9	22563.1	23365.9	23025.0
67.5°	17478.9	17535.2	18055.6	19675.9	19226.2	19810.3	19878.7	20365.0	21863.0	23957.3	22100.0
70°	15618.0	15648.5	16103.1	18039.8	16522.2	16650.5	16549.0	16648.1	18796.1	22516.7	19765.0
72.5°	12569.5	12646.4	13292.8	14981.4	12036.7	11666.4	12463.1	12419.1	14475.6	19023.4	14679.6
75°	9254.5	9387.7	10363.9	12067.3	8448.0	7641.6	8223.2	8378.4	10290.6	14715.0	9179.9
77.5°	6479.6	6578.6	7524.3	8870.8	6114.3	5464.2	5254.0	5438.6	6792.4	10645.0	4624.8
80°	3732.8	3769.5	4373.1	5122.1	4120.1	4714.0	4270.5	4397.6	4070.0	4736.0	1989.2
82.5°	2442.5	2448.7	2684.4	3048.6	2565.9	2981.4	2206.7	2821.3	2503.6	1902.5	647.6
85°	1319.6	1327.0	1556.7	2164.0	1452.8	821.1	482.6	991.0	1548.1	436.2	177.2
87.5°	145.4	133.2	469.2	786.9	403.2	74.5	25.6	111.2	248.1	28.1	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



REPORT NUMBER: P383506
 CATALOG NUMBER: GAN-SA8A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3
2.5°	9253.2	9151.8	8898.9	8631.3	8416.3	8214.7	8011.9	7763.8	7572.0	7532.9	7469.3
5°	9055.3	8734.0	8203.7	7670.9	7242.0	6700.8	6357.4	6089.8	5828.3	5812.5	5759.9
7.5°	8363.7	7941.0	7194.4	6457.6	5854.0	5338.3	4817.9	4469.7	4195.9	4099.4	4042.0
10°	7699.1	7223.7	6291.4	5450.8	4912.0	4456.2	4089.6	3725.5	3395.6	3168.3	3065.7
12.5°	7234.7	6709.3	5681.7	4957.1	4571.0	4138.5	3691.3	3236.8	2856.8	2583.1	2415.7
15°	7055.1	6494.3	5477.7	4761.6	4285.1	3737.7	3165.9	2646.6	2225.0	1977.0	1826.7
17.5°	7269.0	6616.4	5461.8	4523.4	3857.4	3176.9	2545.2	1931.8	1534.6	1346.6	1250.0
20°	7811.5	7005.1	5455.7	4231.4	3349.2	2512.2	1724.1	1270.7	1030.0	924.9	879.8
22.5°	8578.8	7501.1	5504.5	3943.0	2820.1	1794.9	1190.1	933.5	810.1	753.9	728.3
25°	9566.1	8197.5	5642.7	3681.5	2322.8	1339.2	927.4	782.0	695.2	651.2	632.9
27.5°	10618.1	8999.1	5857.7	3454.3	1918.3	1067.9	794.2	669.6	607.3	576.7	559.6
30°	11485.6	9927.7	6075.2	3201.4	1625.1	931.1	727.0	610.9	538.8	519.3	503.4
32.5°	12244.4	10630.4	6229.1	2972.8	1433.3	827.2	657.4	546.2	497.3	459.4	442.3
35°	13030.1	11215.6	6224.2	2812.7	1301.3	749.0	598.7	488.8	430.1	386.1	372.7
37.5°	13880.5	11876.6	6117.9	2675.9	1243.9	686.7	565.7	458.2	399.5	355.6	338.4
40°	14876.3	12570.7	6009.2	2547.6	1228.0	636.6	542.5	433.7	371.4	328.6	311.6
42.5°	15846.5	13196.2	5913.8	2452.3	1159.6	635.4	521.8	415.5	349.4	307.9	288.4
45°	16622.3	13779.1	5895.6	2394.9	1087.5	657.4	510.8	403.2	332.4	290.8	272.5
47.5°	17267.5	14412.0	6012.9	2354.6	1019.0	599.9	537.6	394.7	316.4	276.1	255.3
50°	18034.9	15189.2	6289.0	2288.5	946.9	540.1	615.8	397.1	303.0	261.5	239.5
52.5°	19105.2	16264.4	6694.7	2177.4	848.0	485.1	606.1	399.5	288.4	245.6	223.6
55°	20305.1	17607.2	7130.9	1992.9	709.9	413.0	519.3	382.5	260.3	228.5	207.7
57.5°	21566.1	18825.5	7389.9	1772.9	564.5	356.8	415.5	348.2	229.7	205.3	191.8
60°	21764.0	19288.5	7271.4	1502.9	448.4	310.4	307.9	354.4	205.3	180.8	171.0
62.5°	21271.6	18706.9	6698.3	1262.2	375.1	272.5	252.9	309.2	185.8	161.3	151.5
65°	20324.7	17134.3	5769.7	1137.6	348.2	233.4	210.2	217.5	162.6	140.5	132.0
67.5°	19007.5	15035.2	4737.2	1066.7	344.6	200.4	179.6	165.0	140.5	122.2	114.9
70°	16314.5	12525.4	3779.3	1027.6	334.8	168.6	151.5	134.4	117.3	103.9	97.7
72.5°	12007.4	8875.7	2939.9	984.8	337.2	134.4	132.0	111.2	94.1	80.7	78.2
75°	6937.8	5070.8	1928.1	797.9	321.4	103.9	109.9	78.2	66.0	56.2	56.2
77.5°	3697.4	3092.6	734.3	332.4	117.3	66.0	62.3	46.4	41.5	34.2	33.0
80°	1611.7	1361.2	221.1	92.9	64.7	35.4	23.2	20.8	18.4	14.6	13.4
82.5°	570.6	492.4	72.1	45.2	28.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	129.5	92.9	0.0	11.0	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: P383506
 CATALOG NUMBER: GAN-SA8A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3
2.5°	7339.8	7312.9	7154.1	7160.2	7188.3	7228.6	7133.3	7177.3	7295.8	7409.4	7452.2
5°	5675.6	5681.7	5585.2	5645.1	5698.8	5735.4	5581.6	5584.0	5678.1	5806.3	5873.6
7.5°	3999.2	3989.4	3994.3	4137.3	4238.7	4165.4	4222.8	4023.6	4035.8	4127.5	4059.0
10°	2972.8	2838.4	2762.7	2870.2	2981.4	2941.1	2842.1	2777.3	2822.5	2923.9	2916.6
12.5°	2336.2	2143.2	2029.6	1952.5	2044.2	1968.5	1966.0	1909.8	1848.7	1859.6	2022.2
15°	1757.1	1616.5	1482.1	1358.8	1356.2	1330.6	1199.9	1053.3	1041.0	1048.4	1132.7
17.5°	1208.4	1160.8	1105.8	999.5	971.4	863.8	736.8	678.2	648.8	662.2	690.4
20°	849.2	830.8	837.0	779.5	739.3	636.6	562.1	538.8	534.0	547.4	560.9
22.5°	703.8	670.8	667.2	641.5	601.1	526.6	486.3	472.9	466.8	479.0	488.8
25°	615.8	582.9	569.4	553.5	510.8	459.4	435.0	422.7	416.7	423.9	430.1
27.5°	542.5	512.0	499.8	488.8	447.2	410.5	391.0	380.0	375.1	377.6	383.7
30°	487.6	460.7	444.7	431.3	395.9	370.2	353.1	342.2	337.2	337.2	343.4
32.5°	430.1	415.5	400.8	383.7	350.6	333.6	316.4	304.2	299.4	300.6	305.5
35°	358.0	353.1	356.8	340.9	312.8	298.1	281.0	267.6	263.9	265.1	270.1
37.5°	317.7	295.7	309.2	300.6	284.7	265.1	243.1	230.9	224.8	228.5	230.9
40°	292.0	265.1	255.3	263.9	261.5	229.7	210.2	198.0	193.0	194.3	196.7
42.5°	270.1	238.3	216.3	215.1	229.7	200.4	179.6	168.6	162.6	162.6	165.0
45°	249.3	215.1	188.2	167.4	193.0	169.8	150.3	140.5	133.2	133.2	134.4
47.5°	233.4	195.5	163.8	136.8	145.4	139.3	123.4	113.6	106.3	106.3	107.5
50°	218.7	176.0	141.8	114.9	108.7	114.9	100.2	89.2	84.3	83.1	85.5
52.5°	202.8	156.4	121.0	97.7	85.5	86.7	78.2	70.9	64.7	64.7	67.2
55°	187.0	140.5	105.1	83.1	70.9	64.7	62.3	57.4	52.5	52.5	55.0
57.5°	171.0	123.4	89.2	68.5	56.2	51.3	51.3	47.7	44.0	44.0	46.4
60°	156.4	106.3	73.3	56.2	44.0	42.8	44.0	40.3	37.9	37.9	40.3
62.5°	139.3	90.5	59.9	46.4	35.4	34.2	37.9	35.4	33.0	33.0	35.4
65°	118.5	76.9	47.7	35.4	26.9	26.9	31.8	29.3	26.9	26.9	29.3
67.5°	100.2	64.7	36.6	25.6	19.6	20.8	26.9	24.4	23.2	23.2	25.6
70°	83.1	50.1	25.6	15.9	11.0	15.9	20.8	20.8	20.8	20.8	23.2
72.5°	62.3	34.2	14.6	6.1	4.8	11.0	17.1	19.6	18.4	18.4	22.0
75°	40.3	19.6	4.8	0.0	0.0	6.1	13.4	15.9	15.9	14.6	18.4
77.5°	23.2	6.1	0.0	0.0	0.0	0.0	8.6	7.4	6.1	4.8	8.6
80°	6.1	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: P383506
 CATALOG NUMBER: GAN-SA8A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3	8653.3
2.5°	7624.5	7768.6	7971.5	8186.5	8517.7	8780.4	9038.2	9259.4	9344.9	9380.3
5°	6034.8	6246.2	6543.1	6924.4	7521.9	8059.5	8604.4	9153.1	9391.3	9451.2
7.5°	4330.3	4600.4	4977.9	5455.7	6155.9	6852.3	7613.5	8418.7	8787.8	8880.6
10°	3205.0	3534.9	3967.5	4470.9	5139.2	5855.2	6684.9	7605.0	8026.5	8149.9
12.5°	2273.9	2719.9	3299.1	3911.2	4490.4	5129.5	5968.9	6983.0	7425.4	7558.5
15°	1335.5	1766.9	2452.3	3272.2	4013.9	4661.5	5514.3	6664.1	7151.7	7286.0
17.5°	766.1	981.2	1499.2	2413.2	3420.0	4316.9	5371.4	6743.6	7317.8	7442.4
20°	585.3	653.7	863.8	1554.2	2726.0	3978.5	5371.4	7193.2	7900.6	8084.0
22.5°	512.0	562.1	647.6	927.4	2006.3	3615.5	5433.7	7843.3	8768.2	8971.0
25°	454.5	499.8	573.1	697.7	1368.5	3184.2	5581.6	8641.1	9789.6	10052.3
27.5°	406.9	449.7	515.6	610.9	935.9	2663.7	5780.7	9577.1	10916.2	11126.4
30°	364.1	404.5	464.3	531.5	722.1	2073.5	5950.5	10459.2	11800.8	12026.9
32.5°	323.8	360.4	414.3	464.3	591.3	1533.4	5968.9	11158.2	12535.2	12760.1
35°	285.9	318.9	367.8	406.9	490.0	1210.9	5684.1	11764.2	13269.5	13566.5
37.5°	249.3	281.0	323.8	353.1	431.3	987.3	5249.2	12439.9	14211.6	14486.6
40°	215.1	243.1	287.1	306.7	408.1	758.7	4776.3	13148.6	15135.3	15387.1
42.5°	183.2	210.2	252.9	290.8	358.0	566.9	4265.6	13813.3	15966.3	16230.2
45°	152.8	180.8	223.6	307.9	296.9	423.9	3719.4	14254.4	16622.3	16909.5
47.5°	123.4	155.2	213.8	293.3	237.1	311.6	3286.9	14672.2	17119.7	17403.2
50°	98.9	130.7	240.7	261.5	194.3	238.3	3106.0	15046.2	17445.9	17718.4
52.5°	80.7	109.9	227.3	200.4	162.6	196.7	3203.8	15652.2	17747.8	17918.8
55°	67.2	86.7	136.8	139.3	138.1	167.4	3324.7	16522.2	18528.5	18609.2
57.5°	58.7	69.7	95.3	107.5	116.1	149.0	3327.2	17770.9	19737.0	19787.0
60°	50.1	61.1	79.5	86.7	100.2	133.2	3206.2	18207.2	20212.3	20378.4
62.5°	44.0	53.8	66.0	72.1	84.3	119.7	2922.7	17575.4	19559.8	19842.1
65°	39.1	48.9	55.0	61.1	74.5	107.5	2455.9	16312.1	18477.2	18771.7
67.5°	34.2	42.8	48.9	55.0	67.2	95.3	1808.4	14844.6	17234.6	17478.9
70°	30.6	37.9	44.0	48.9	58.7	80.7	1097.3	12596.3	15516.6	15618.0
72.5°	29.3	34.2	40.3	44.0	51.3	70.9	555.9	9256.9	12404.5	12569.5
75°	25.6	30.6	36.6	39.1	45.2	61.1	226.1	6080.0	8989.3	9254.5
77.5°	20.8	28.1	33.0	35.4	39.1	50.1	114.9	3885.6	6308.5	6479.6
80°	7.4	20.8	28.1	29.3	33.0	36.6	75.7	2127.3	3659.5	3732.8
82.5°	0.0	13.4	22.0	20.8	23.2	28.1	48.9	1011.8	2415.7	2442.5
85°	0.0	6.1	17.1	13.4	9.8	19.6	17.1	221.1	1267.1	1319.6
87.5°	0.0	0.0	1.2	6.1	4.8	7.4	2.4	1.2	114.9	145.4
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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