

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: P324642

Luminaire Tested: **GAN-SA8B-830-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8B-830-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26978 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G4

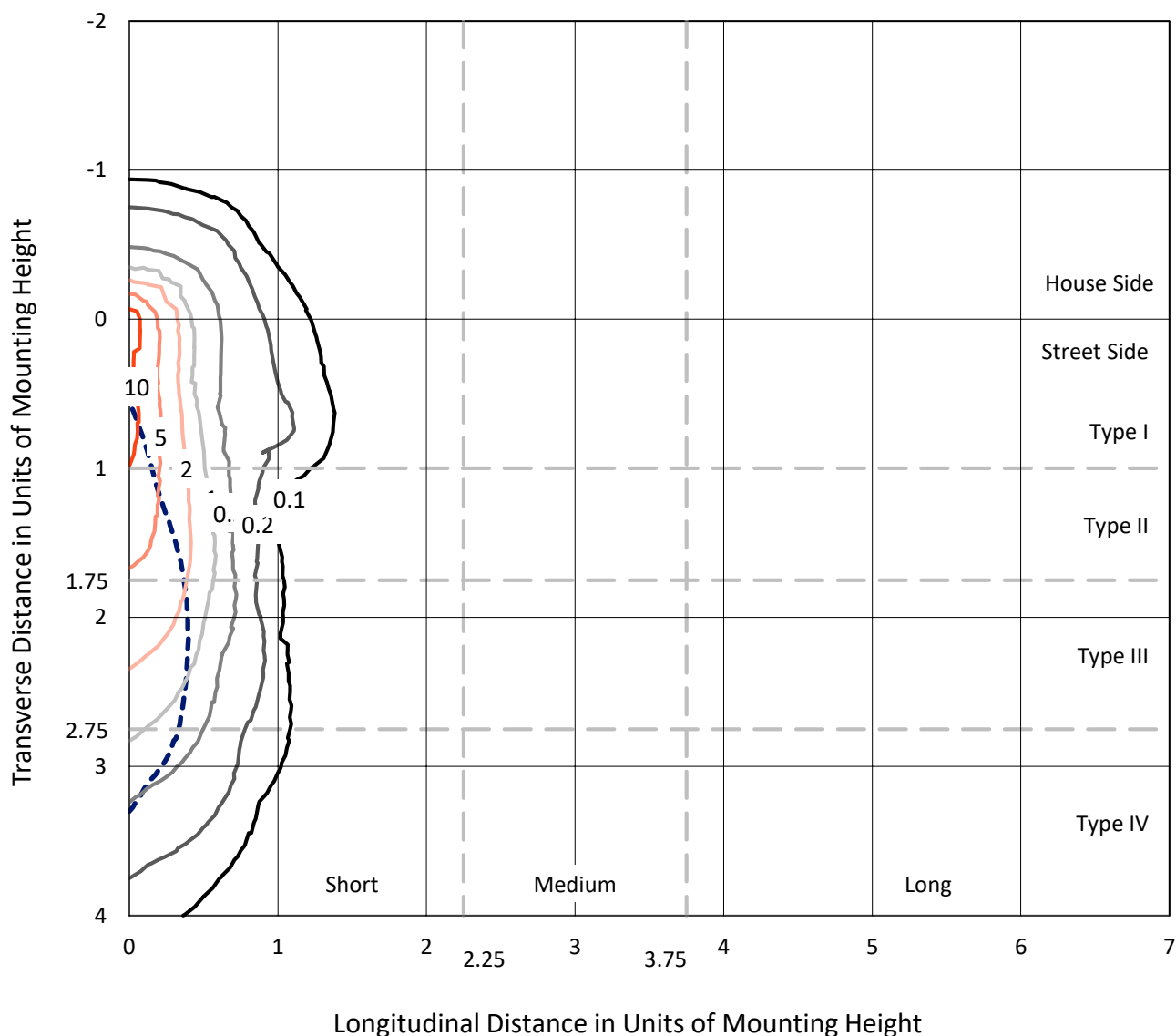
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

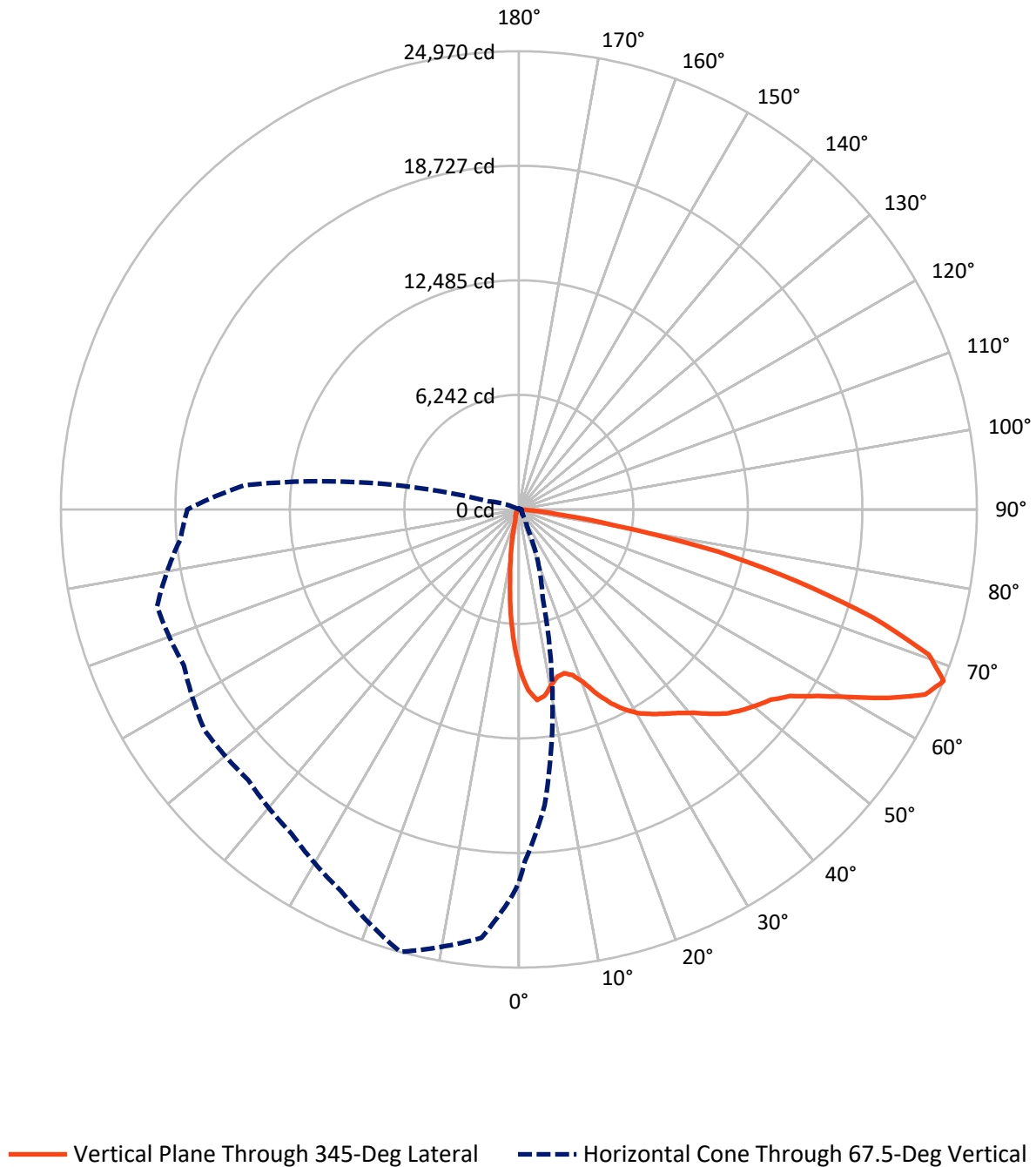
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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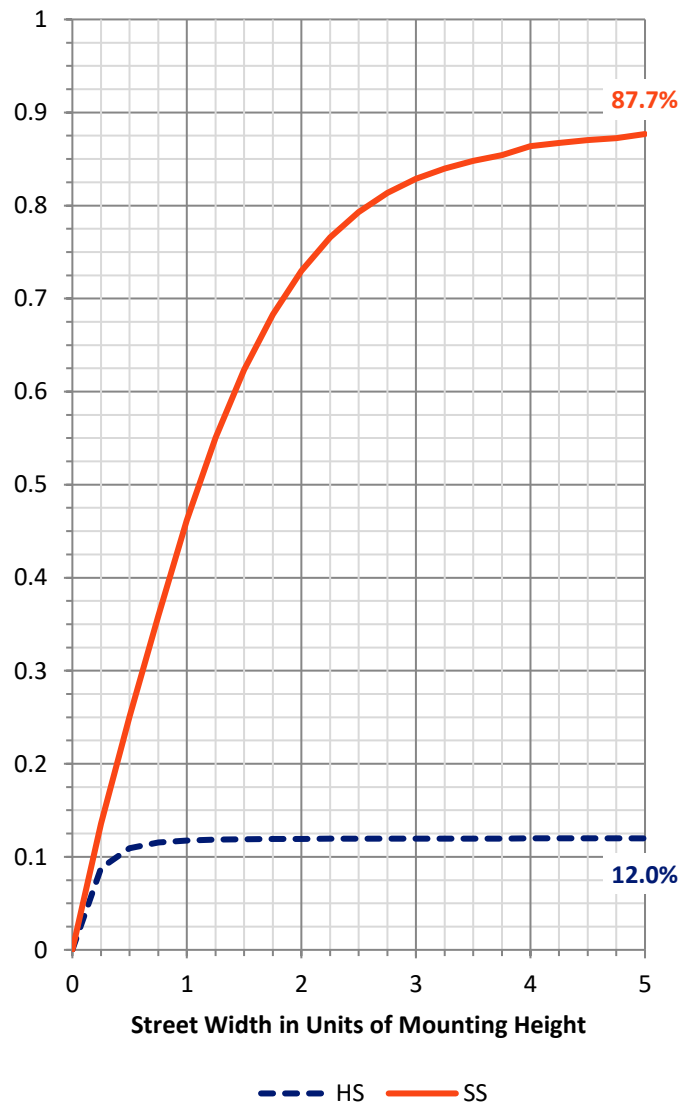
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3265.2	0.0	3265.2
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	23712.8	0.0	23712.8
	% Fixture	87.9	0.0	87.9
Total	Lumens	26978.0	0.0	26978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.5	2.5
10°-20°	1342.5	5.0
20°-30°	1906.4	7.1
30°-40°	2815.9	10.4
40°-50°	4061.1	15.1
50°-60°	5700.9	21.1
60°-70°	6645.6	24.6
70°-80°	3397.4	12.6
80°-90°	433.9	1.6
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°	26978.0	100.0
0°-180°	26978.0	100.0

Coefficient of Utilization



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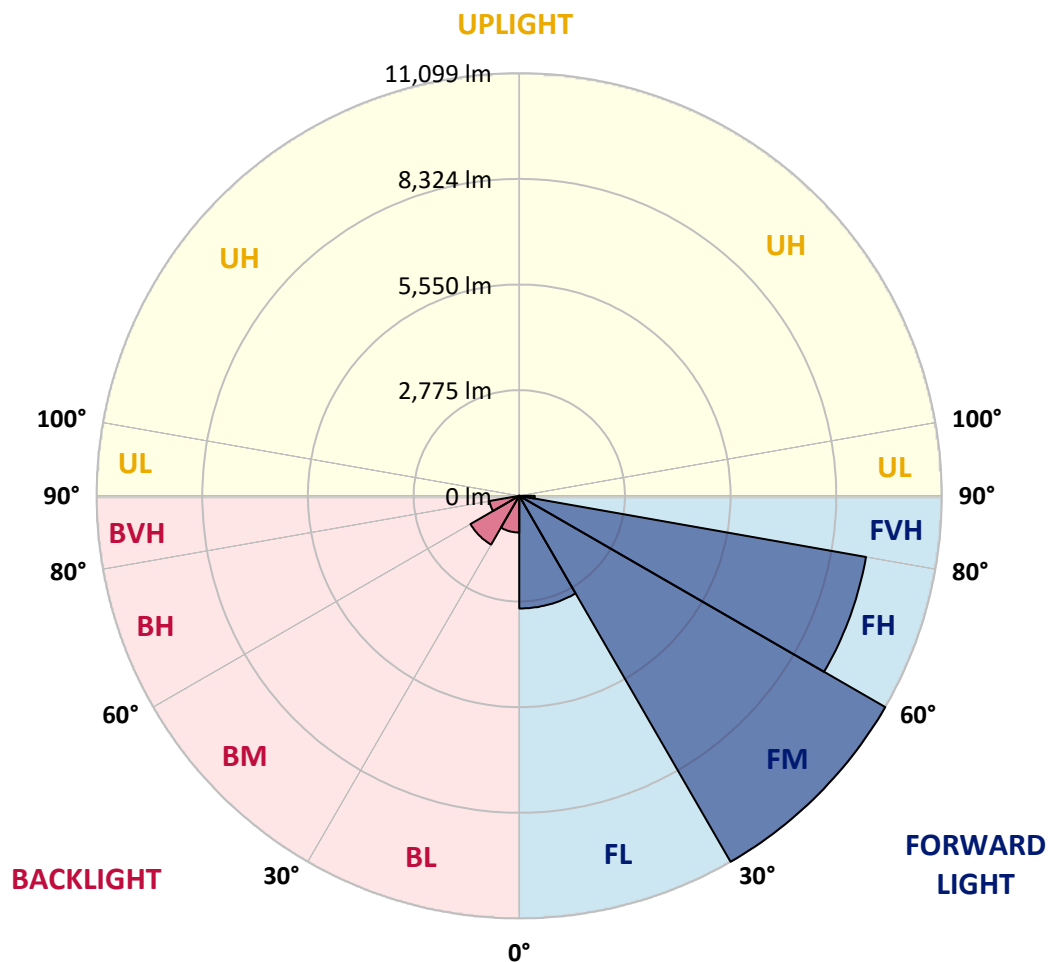
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2959.0	11.0			
FM	(30°-60°)	11099.2	41.1			
FH	(60°-80°)	9247.1	34.3			G4/12000
FVH	(80°-90°)	407.5	1.5			G3/500
BL	(0°-30°)	964.4	3.6	B2/1000		
BM	(30°-60°)	1478.6	5.5	B2/2500		
BH	(60°-80°)	795.8	2.9	B2/1000		G2/1000
BVH	(80°-90°)	26.4	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0
2.5°	9622.6	9548.5	9466.7	9199.6	8951.6	8667.9	8436.6	8275.5	8073.6	7811.6	7745.1
5°	9553.6	9474.4	9217.5	8623.2	8103.0	7596.9	7108.6	6822.4	6467.1	6106.6	6017.2
7.5°	8859.6	8776.5	8405.9	7591.8	6891.4	6160.3	5526.4	5134.0	4732.7	4403.0	4227.9
10°	8137.5	8046.8	7630.1	6642.1	5779.4	5118.7	4653.5	4279.0	3899.4	3546.7	3265.5
12.5°	7640.3	7521.5	7069.0	5949.4	5197.9	4749.3	4314.8	3866.2	3352.4	2974.1	2664.8
15°	7432.0	7296.5	6818.5	5682.3	4992.2	4465.6	3899.4	3348.6	2746.6	2313.3	2029.6
17.5°	7593.0	7416.7	6904.2	5664.4	4734.0	4017.0	3301.3	2654.6	2001.5	1563.1	1361.1
20°	8140.1	7908.7	7258.2	5659.3	4420.9	3484.0	2576.6	1845.5	1319.0	1060.8	954.7
22.5°	9001.5	8696.0	7766.9	5700.2	4097.5	2924.2	1860.9	1253.8	990.5	856.3	793.7
25°	10041.8	9687.8	8499.2	5844.6	3813.8	2379.8	1352.2	990.5	835.9	737.4	685.0
27.5°	11031.1	10743.5	9424.5	6053.0	3593.9	1940.1	1097.9	839.7	714.4	649.3	607.1
30°	12019.0	11657.3	10374.1	6300.9	3329.4	1642.3	964.9	765.6	640.3	571.3	544.5
32.5°	12737.3	12436.9	11118.0	6479.8	3046.9	1448.1	862.7	700.4	598.1	527.8	488.2
35°	13582.1	13242.1	11755.7	6519.5	2865.4	1325.4	775.8	630.1	518.9	456.3	414.1
37.5°	14494.6	14071.6	12491.9	6432.5	2723.6	1265.3	710.6	598.1	484.4	420.5	375.8
40°	15504.3	15026.3	13198.7	6307.3	2584.3	1244.8	660.8	573.9	457.6	392.4	346.4
42.5°	16567.7	16004.0	13810.9	6175.7	2496.1	1174.5	655.7	549.6	437.1	366.8	320.8
45°	17461.0	16889.7	14439.7	6132.2	2433.5	1097.9	677.4	533.0	423.0	346.4	301.6
47.5°	18172.9	17632.3	15083.8	6229.3	2397.7	1027.6	617.3	554.7	415.4	328.5	285.0
50°	19022.8	18410.6	15991.3	6519.5	2345.3	957.3	558.5	635.2	415.4	317.0	271.0
52.5°	20088.8	19483.0	17003.5	6969.3	2240.5	860.1	502.3	636.5	419.2	301.6	253.1
55°	21429.5	20989.8	18449.0	7462.7	2073.0	717.0	434.5	547.0	403.9	273.5	236.4
57.5°	22715.2	22356.1	19766.7	7800.1	1849.4	559.8	378.3	440.9	369.4	240.3	210.9
59°	23066.7	22674.3	20249.8	7815.4	1681.9	488.2	350.2	364.3	361.7	224.9	195.5
60°	23066.7	22650.0	20389.1	7733.6	1560.5	448.6	332.3	324.6	377.0	214.7	186.6
62.5°	22648.7	22063.4	19936.7	7180.2	1273.0	382.1	290.1	268.4	338.7	193.0	164.9
65°	21779.7	20927.2	18395.3	6179.5	1134.9	350.2	250.5	219.8	235.2	170.0	144.4
67.5°	20330.3	19174.9	16172.7	4992.2	1080.0	341.2	216.0	186.6	177.7	145.7	126.5
70°	17778.0	16496.1	13474.7	3925.0	1032.7	337.4	181.5	157.2	143.1	122.7	107.4
72.5°	12939.2	11602.4	9566.4	3068.7	1004.6	345.1	145.7	131.6	117.6	95.9	83.1
75°	7401.3	6525.8	5376.9	2027.0	856.3	329.7	112.5	109.9	84.4	69.0	57.5
77.5°	3824.0	3707.7	3222.0	778.3	410.3	144.4	74.1	63.9	49.8	42.2	34.5
80°	1650.0	1632.1	1412.3	224.9	108.6	80.5	42.2	26.8	23.0	17.9	14.1
82.5°	570.0	570.0	502.3	75.4	48.6	39.6	5.1	0.0	0.0	0.0	0.0
85°	115.0	129.1	90.7	0.0	16.6	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0
2.5°	7664.6	7510.0	7499.7	7402.6	7281.2	7226.2	7194.3	7250.5	7319.5	7327.2	7430.7
5°	5949.4	5787.1	5854.9	5682.3	5716.8	5682.3	5626.1	5636.3	5667.0	5571.1	5690.0
7.5°	4178.0	4055.3	4133.3	4087.3	4148.6	4172.9	4138.4	4087.3	3936.5	3918.6	4022.1
10°	3149.2	3009.9	2926.8	2839.9	2859.1	2898.7	2885.9	2848.8	2753.0	2758.1	2857.8
12.5°	2530.6	2374.7	2209.8	1996.4	1943.9	1973.3	1943.9	1922.2	1830.2	1837.9	1926.1
15°	1919.7	1791.9	1619.3	1448.1	1354.8	1363.7	1281.9	1224.4	1166.9	1097.9	1151.5
17.5°	1296.0	1218.0	1166.9	1115.8	1004.6	979.0	875.5	764.3	720.8	688.9	711.9
20°	917.7	875.5	855.0	852.5	788.6	756.6	655.7	586.6	564.9	558.5	572.6
22.5°	766.8	736.2	706.8	690.2	658.2	621.1	544.5	510.0	494.6	486.9	497.2
25°	667.2	644.1	613.5	585.4	572.6	533.0	478.0	452.4	442.2	434.5	439.7
27.5°	593.0	572.6	536.8	518.9	508.7	474.2	426.9	406.4	397.5	394.9	393.6
30°	534.2	515.1	481.8	461.4	443.5	412.8	384.7	364.3	355.3	352.7	350.2
32.5°	475.4	460.1	438.4	417.9	398.8	370.6	346.4	329.7	315.7	313.1	311.8
35°	401.3	386.0	374.5	373.2	355.3	328.5	310.6	288.8	277.3	273.5	274.8
37.5°	356.6	336.1	310.6	319.5	314.4	295.2	271.0	249.2	237.7	235.2	235.2
40°	328.5	306.7	277.3	262.0	277.3	273.5	235.2	213.4	201.9	200.7	198.1
42.5°	301.6	279.9	246.7	221.1	228.8	240.3	203.2	182.8	171.3	168.7	164.9
45°	282.5	259.4	222.4	193.0	177.7	201.9	173.8	148.3	141.9	136.8	134.2
47.5°	264.6	242.8	200.7	167.4	141.9	145.7	139.3	121.4	113.7	108.6	107.4
50°	249.2	226.2	181.5	143.1	117.6	107.4	112.5	95.9	89.5	84.4	81.8
52.5°	231.3	209.6	161.0	124.0	98.4	84.4	85.6	75.4	69.0	65.2	63.9
55°	217.3	195.5	144.4	108.6	86.9	69.0	61.3	58.8	55.0	52.4	51.1
57.5°	198.1	177.7	127.8	92.0	74.1	56.2	47.3	47.3	46.0	43.5	42.2
59°	186.6	168.7	117.6	83.1	67.7	48.6	42.2	43.5	42.2	39.6	38.3
60°	177.7	161.0	109.9	76.7	63.9	44.7	38.3	40.9	39.6	37.1	35.8
62.5°	157.2	145.7	94.6	63.9	56.2	35.8	32.0	34.5	34.5	33.2	32.0
65°	138.0	125.3	80.5	53.7	52.4	30.7	25.6	30.7	32.0	29.4	26.8
67.5°	120.1	107.4	70.3	43.5	48.6	24.3	19.2	25.6	34.5	26.8	24.3
70°	102.2	89.5	55.0	34.5	51.1	16.6	15.3	23.0	40.9	29.4	23.0
72.5°	79.2	69.0	38.3	25.6	55.0	11.5	11.5	19.2	46.0	32.0	21.7
75°	55.0	44.7	23.0	15.3	44.7	7.7	7.7	17.9	43.5	29.4	20.4
77.5°	32.0	24.3	7.7	1.3	23.0	0.0	1.3	12.8	30.7	17.9	8.9
80°	11.5	5.1	0.0	0.0	14.1	0.0	0.0	0.0	2.6	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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0
2.5°	7457.6	7630.1	7784.7	8018.6	8296.0	8615.5	8890.3	9185.5	9462.9	9577.9	9657.1
5°	5714.3	5927.7	6176.9	6520.7	6978.3	7541.9	8069.8	8666.6	9308.2	9629.0	9930.6
7.5°	4040.0	4257.3	4566.6	4932.1	5485.5	6156.5	6846.6	7671.0	8540.1	9047.5	9547.2
10°	2905.1	3172.2	3461.0	3960.7	4523.1	5159.6	5870.2	6790.4	7759.2	8321.5	8923.5
12.5°	1977.2	2281.4	2718.5	3278.3	3939.0	4562.7	5180.0	6058.1	7182.8	7740.0	8385.4
15°	1186.1	1354.8	1817.4	2465.4	3275.7	4052.8	4728.9	5609.5	6808.3	7490.8	8161.8
17.5°	731.1	809.0	1060.8	1592.5	2443.7	3426.5	4353.1	5457.4	6862.0	7692.7	8411.0
20°	582.8	613.5	694.0	940.7	1619.3	2736.4	3930.1	5426.7	7300.4	8322.8	9093.5
22.5°	506.1	535.5	589.2	683.8	1018.6	2048.8	3528.8	5454.8	7929.2	9267.3	10167.1
25°	446.0	471.6	522.7	600.7	746.4	1442.9	3099.3	5580.1	8748.4	10439.3	11395.3
27.5°	398.8	420.5	467.8	539.3	640.3	1007.1	2612.4	5732.2	9719.7	11638.1	12581.4
30°	355.3	374.5	416.7	483.1	556.0	774.5	2078.1	5835.7	10692.4	12581.4	13428.7
32.5°	318.2	332.3	370.6	426.9	483.1	617.3	1579.7	5819.1	11414.5	13366.1	14038.4
35°	279.9	294.0	327.2	375.8	420.5	510.0	1242.3	5508.5	12043.3	14180.2	14736.2
37.5°	237.7	255.6	287.6	331.0	361.7	448.6	1004.6	5134.0	12681.0	15110.7	15514.5
40°	201.9	219.8	247.9	295.2	314.4	425.6	772.0	4677.7	13398.0	16151.0	16368.3
42.5°	167.4	184.0	213.4	254.3	296.5	366.8	571.3	4156.3	14086.9	17040.6	17146.6
45°	135.5	152.1	182.8	223.7	317.0	304.2	442.2	3597.8	14642.9	17780.6	17815.1
47.5°	107.4	122.7	154.6	210.9	295.2	242.8	315.7	3159.4	15109.4	18358.2	18267.5
50°	83.1	95.9	129.1	241.6	258.2	200.7	239.0	3013.7	15527.3	18716.1	18480.9
52.5°	65.2	76.7	106.1	226.2	200.7	166.1	200.7	3150.5	16099.9	19012.6	18601.1
55°	52.4	63.9	83.1	129.1	136.8	140.6	171.3	3278.3	17087.8	19707.9	19310.4
57.5°	43.5	55.0	67.7	90.7	103.5	118.9	152.1	3292.3	18252.2	20863.3	20487.5
59°	39.6	49.8	61.3	80.5	90.7	108.6	143.1	3215.6	18662.4	21283.8	21095.9
60°	37.1	47.3	57.5	74.1	84.4	102.2	138.0	3142.8	18680.3	21268.4	21355.3
62.5°	32.0	42.2	51.1	62.6	71.6	86.9	124.0	2873.1	17923.7	20571.9	21199.4
65°	28.1	37.1	46.0	53.7	61.3	78.0	112.5	2381.1	16631.6	19448.4	20132.2
67.5°	25.6	32.0	42.2	47.3	55.0	69.0	99.7	1697.3	15017.4	18074.5	18518.0
70°	23.0	30.7	38.3	43.5	49.8	60.1	85.6	975.2	12681.0	16062.8	16378.5
72.5°	21.7	29.4	34.5	40.9	44.7	53.7	78.0	458.8	9285.2	12867.6	13692.0
75°	19.2	26.8	32.0	38.3	42.2	48.6	66.5	219.8	6175.7	9312.0	10248.9
77.5°	11.5	21.7	29.4	34.5	37.1	42.2	55.0	126.5	3941.6	6445.3	7591.8
80°	0.0	7.7	21.7	29.4	32.0	35.8	42.2	99.7	2108.8	3682.1	4419.6
82.5°	0.0	0.0	15.3	23.0	21.7	24.3	32.0	62.6	950.9	2406.6	2712.1
85°	0.0	0.0	5.1	17.9	15.3	11.5	21.7	21.7	208.3	1218.0	1519.6
87.5°	0.0	0.0	0.0	1.3	7.7	5.1	8.9	2.6	1.3	90.7	368.1
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: P324642

CATALOG NUMBER: GAN-SA8B-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0	8788.0
2.5°	9934.5	10029.0	10188.8	10264.2	10227.1	10069.9	9882.1	9690.4	9577.9	9622.6
5°	10545.4	11032.3	11313.5	11406.8	11250.9	10898.1	10436.7	9828.4	9612.4	9553.6
7.5°	10545.4	11461.8	12042.0	12144.3	11796.6	11105.2	10239.9	9290.3	8974.6	8859.6
10°	10174.7	11422.1	12231.2	12393.5	11907.8	10873.8	9714.6	8630.8	8256.4	8137.5
12.5°	9756.8	11100.1	11952.5	12176.2	11777.4	10643.8	9350.4	8184.8	7743.8	7640.3
15°	9499.9	10703.9	11409.4	11571.7	11403.0	10509.6	9263.5	8050.6	7531.7	7432.0
17.5°	9591.9	10397.1	10651.5	10746.0	10859.8	10462.3	9499.9	8344.5	7687.6	7593.0
20°	9938.3	10073.8	9942.1	10061.0	10367.7	10508.3	10063.6	9055.2	8266.6	8140.1
22.5°	10526.2	9906.3	9537.0	9584.3	9957.5	10660.4	10925.0	10069.9	9160.0	9001.5
25°	11211.3	10041.8	9312.0	9269.9	9653.3	10861.1	11712.3	11174.2	10216.9	10041.8
27.5°	12072.7	10346.0	9266.0	9223.9	9547.2	11048.9	12366.6	12265.7	11330.1	11031.1
30°	12737.3	10645.1	9402.8	9305.7	9653.3	11179.3	12891.9	13192.3	12217.1	12019.0
32.5°	13214.0	10997.8	9625.2	9484.6	9952.4	11404.2	13297.1	14040.9	13037.6	12737.3
35°	13577.0	11381.2	9984.3	9753.0	10363.9	11745.5	13676.7	14944.5	13910.6	13582.1
37.5°	13916.9	11919.3	10545.4	10269.3	11009.3	12295.1	14078.0	15969.5	14887.0	14494.6
40°	14391.1	12529.0	11410.6	11165.3	12094.4	13044.0	14579.0	17038.0	15997.6	15504.3
42.5°	14865.3	13183.3	12296.3	12362.8	13447.9	13954.0	15225.7	18167.8	17094.2	16567.7
45°	15298.5	13858.2	13557.8	13864.5	14704.2	14952.2	15868.6	18820.9	17969.7	17461.0
47.5°	15684.5	14701.7	14811.6	15628.3	16133.1	15855.8	16349.1	19384.5	18621.5	18172.9
50°	16133.1	15793.2	16464.1	17619.5	17778.0	16673.7	16786.2	20051.7	19383.3	19022.8
52.5°	16623.9	16943.4	18294.3	19313.0	19261.8	17562.0	17225.9	20799.4	20427.4	20088.8
55°	17181.1	17872.6	19906.0	20897.8	20854.3	18553.8	17954.4	21723.4	21736.2	21429.5
57.5°	18008.1	18672.7	21000.0	22179.7	22252.5	19698.9	19189.0	22758.7	22919.7	22715.2
59°	18601.1	19191.6	21433.3	22715.2	23011.7	20584.7	20091.3	23359.3	23253.3	23066.7
60°	19040.7	19521.3	21648.0	22995.1	23452.6	21185.3	20757.2	23712.1	23292.9	23066.7
62.5°	20128.4	20239.6	22035.3	23312.1	23960.0	22519.7	22630.8	24312.8	23018.1	22648.7
65°	20635.8	20693.3	22030.2	22744.6	23469.3	23558.7	24330.7	24330.7	22347.1	21779.7
67.5°	20423.6	20146.3	20937.4	20863.3	21586.7	22941.4	24969.7	23438.6	21063.9	20330.3
70°	18698.2	17631.0	17279.6	17311.5	17864.9	19954.6	23704.4	20813.4	18635.6	17778.0
72.5°	15558.0	12998.0	12130.2	13120.7	13265.1	15335.6	20201.2	15674.3	13743.1	12939.2
75°	12513.6	9162.5	7751.5	8797.0	9042.4	11222.8	15627.0	9761.9	8027.6	7401.3
77.5°	8990.0	6577.0	5562.2	5489.3	5806.3	7117.6	11088.6	4912.9	4097.5	3824.0
80°	5107.2	4328.8	4661.1	4397.9	4557.6	4450.3	5268.2	2154.8	1765.0	1650.0
82.5°	3082.7	2558.7	2770.9	2306.9	2919.1	2542.1	2029.6	690.2	599.4	570.0
85°	2005.3	1398.2	728.5	488.2	1005.8	1624.4	453.7	187.9	144.4	115.0
87.5°	691.4	356.6	35.8	15.3	107.4	302.9	16.6	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

(END OF REPORT)