

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: P324572

Luminaire Tested: **GAN-SA8C-760-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324572
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-SA8C-760-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 1050mA 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: 42020 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

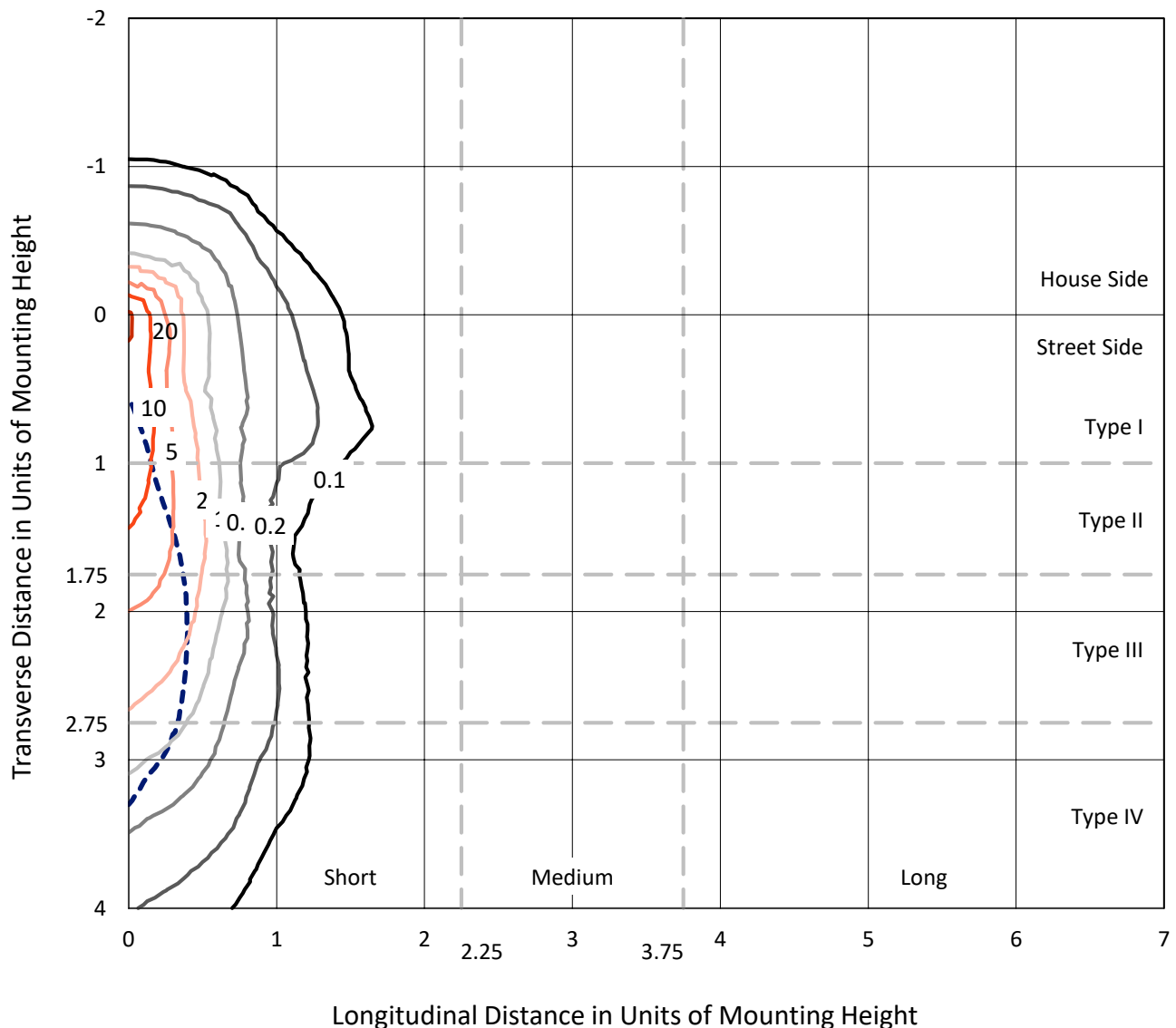
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

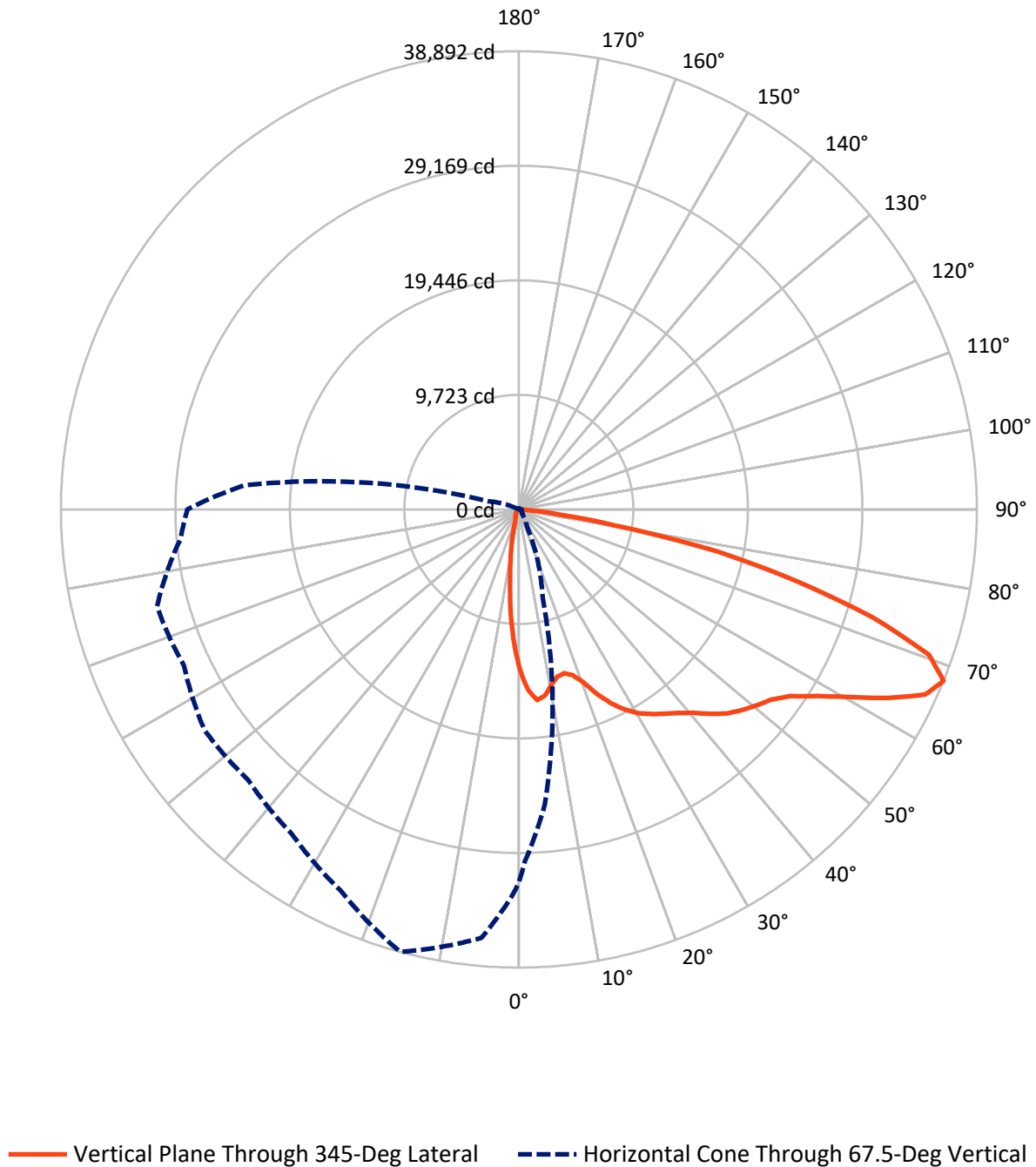
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.9 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	5085.8	0.0	5085.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	36934.2	0.0	36934.2
	% Fixture	87.9	0.0	87.9
Total	Lumens	42020.0	0.0	42020.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.5	2.5
10°-20°	2091.1	5.0
20°-30°	2969.3	7.1
30°-40°	4385.9	10.4
40°-50°	6325.4	15.1
50°-60°	8879.5	21.1
60°-70°	10350.9	24.6
70°-80°	5291.6	12.6
80°-90°	675.8	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°	42020.0	100.0
0°-180°	42020.0	100.0

Coefficient of Utilization



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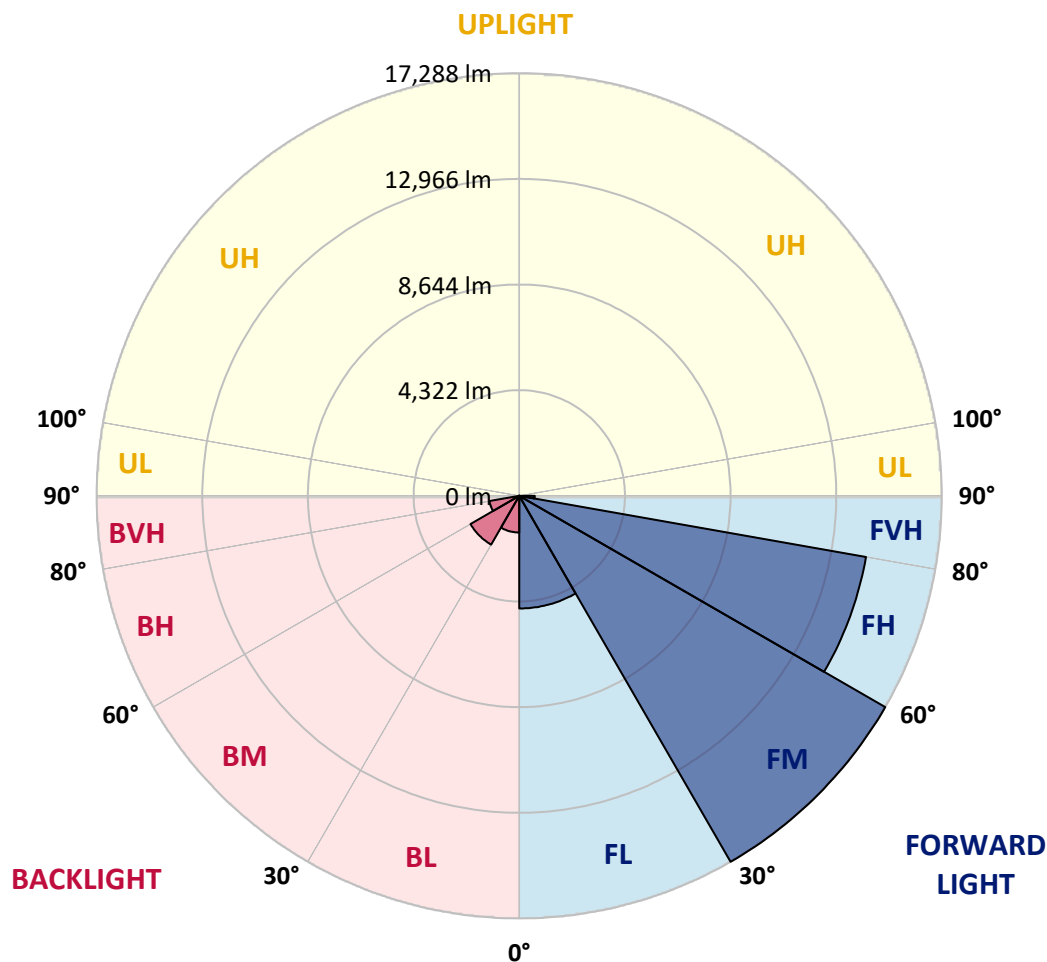
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4608.8	11.0			
FM	(30°-60°)	17287.7	41.1			
FH	(60°-80°)	14403.0	34.3			G5
FVH	(80°-90°)	634.7	1.5			G4/750
BL	(0°-30°)	1502.2	3.6	B3/2500		
BM	(30°-60°)	2303.0	5.5	B2/2500		
BH	(60°-80°)	1239.6	2.9	B3/2500		G3/2500
BVH	(80°-90°)	41.1	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-G5

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9
2.5°	14987.9	14872.4	14745.0	14328.9	13942.7	13500.8	13140.5	12889.7	12575.1	12167.1	12063.5
5°	14880.4	14756.9	14356.8	13431.1	12620.9	11832.6	11072.2	10626.3	10072.9	9511.5	9372.1
7.5°	13799.4	13670.0	13092.7	11824.7	10733.8	9595.1	8607.7	7996.6	7371.5	6857.9	6585.2
10°	12674.7	12533.3	11884.4	10345.6	9001.9	7972.7	7248.1	6664.8	6073.6	5524.1	5086.2
12.5°	11900.3	11715.2	11010.5	9266.6	8096.1	7397.4	6720.5	6021.8	5221.6	4632.3	4150.6
15°	11575.8	11364.8	10620.3	8850.6	7775.6	6955.4	6073.6	5215.6	4278.0	3603.1	3161.2
17.5°	11826.6	11551.9	10753.7	8822.7	7373.5	6256.7	5141.9	4134.6	3117.4	2434.6	2120.1
20°	12678.7	12318.3	11305.1	8814.7	6885.8	5426.6	4013.2	2874.5	2054.4	1652.3	1487.0
22.5°	14020.4	13544.6	12097.4	8878.4	6382.1	4554.7	2898.4	1952.9	1542.8	1333.8	1236.2
25°	15640.8	15089.4	13238.0	9103.4	5940.2	3706.7	2106.1	1542.8	1301.9	1148.6	1067.0
27.5°	17181.6	16733.7	14679.3	9427.9	5597.8	3021.9	1710.0	1307.9	1112.8	1011.3	945.6
30°	18720.4	18157.0	16158.4	9814.1	5185.7	2558.0	1503.0	1192.4	997.3	889.8	848.0
32.5°	19839.1	19371.3	17317.0	10092.8	4745.8	2255.4	1343.7	1090.9	931.6	822.2	760.4
35°	21155.0	20625.5	18310.3	10154.5	4463.1	2064.3	1208.3	981.4	808.2	710.7	645.0
37.5°	22576.3	21917.4	19456.9	10019.1	4242.1	1970.8	1106.8	931.6	754.5	654.9	585.3
40°	24149.0	23404.5	20557.8	9824.0	4025.2	1938.9	1029.2	893.8	712.7	611.1	539.5
42.5°	25805.2	24927.3	21511.3	9619.0	3887.8	1829.4	1021.2	856.0	680.8	571.3	499.7
45°	27196.7	26306.9	22490.7	9551.3	3790.3	1710.0	1055.1	830.1	658.9	539.5	469.8
47.5°	28305.5	27463.5	23494.0	9702.6	3734.5	1600.5	961.5	864.0	647.0	511.6	443.9
50°	29629.3	28675.8	24907.4	10154.5	3652.9	1491.0	869.9	989.4	647.0	493.7	422.0
52.5°	31289.6	30346.0	26484.0	10855.2	3489.7	1339.7	782.3	991.4	652.9	469.8	394.2
55°	33377.8	32693.0	28735.5	11623.6	3228.9	1116.8	676.8	852.0	629.1	426.0	368.3
57.5°	35380.4	34821.0	30787.9	12149.1	2880.5	871.9	589.2	686.8	575.3	374.2	328.5
59°	35927.8	35316.7	31540.4	12173.0	2619.7	760.4	545.4	567.3	563.4	350.4	304.6
60°	35927.8	35278.9	31757.4	12045.6	2430.6	698.7	517.6	505.6	587.3	334.4	290.6
62.5°	35276.9	34365.2	31052.7	11183.7	1982.7	595.2	451.9	418.0	527.5	300.6	256.8
65°	33923.2	32595.4	28651.9	9625.0	1767.7	545.4	390.2	342.4	366.3	264.8	224.9
67.5°	31665.8	29866.2	25190.1	7775.6	1682.1	531.5	336.4	290.6	276.7	226.9	197.1
70°	27690.4	25693.7	20987.8	6113.4	1608.5	525.5	282.7	244.9	223.0	191.1	167.2
72.5°	20153.7	18071.4	14900.3	4779.6	1564.7	537.5	226.9	205.0	183.1	149.3	129.4
75°	11528.0	10164.4	8374.8	3157.2	1333.8	513.6	175.2	171.2	131.4	107.5	89.6
77.5°	5956.1	5775.0	5018.5	1212.3	639.0	224.9	115.5	99.5	77.6	65.7	53.7
80°	2570.0	2542.1	2199.7	350.4	169.2	125.4	65.7	41.8	35.8	27.9	21.9
82.5°	887.8	887.8	782.3	117.5	75.6	61.7	8.0	0.0	0.0	0.0	0.0
85°	179.2	201.1	141.3	0.0	25.9	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°	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9
2.5°	11938.1	11697.3	11681.3	11530.0	11340.9	11255.3	11205.6	11293.1	11400.6	11412.6	11573.8
5°	9266.6	9013.8	9119.3	8850.6	8904.3	8850.6	8763.0	8778.9	8826.7	8677.4	8862.5
7.5°	6507.5	6316.4	6437.9	6366.2	6461.8	6499.6	6445.8	6366.2	6131.3	6103.4	6264.7
10°	4905.0	4688.1	4558.7	4423.3	4453.2	4514.9	4495.0	4437.2	4287.9	4295.9	4451.2
12.5°	3941.6	3698.7	3441.9	3109.4	3027.8	3073.6	3027.8	2994.0	2850.7	2862.6	3000.0
15°	2990.0	2790.9	2522.2	2255.4	2110.1	2124.1	1996.7	1907.1	1817.5	1710.0	1793.6
17.5°	2018.6	1897.1	1817.5	1737.9	1564.7	1524.9	1363.6	1190.4	1122.7	1073.0	1108.8
20°	1429.3	1363.6	1331.8	1327.8	1228.3	1178.5	1021.2	913.7	879.9	869.9	891.8
22.5°	1194.4	1146.6	1100.8	1075.0	1025.2	967.5	848.0	794.3	770.4	758.5	774.4
25°	1039.1	1003.3	955.5	911.7	891.8	830.1	744.5	704.7	688.8	676.8	684.8
27.5°	923.7	891.8	836.1	808.2	792.3	738.5	664.9	633.0	619.1	615.1	613.1
30°	832.1	802.2	750.5	718.6	690.8	643.0	599.2	567.3	553.4	549.4	545.4
32.5°	740.5	716.6	682.8	651.0	621.1	577.3	539.5	513.6	491.7	487.7	485.7
35°	625.1	601.2	583.3	581.3	553.4	511.6	483.7	449.9	432.0	426.0	428.0
37.5°	555.4	523.5	483.7	497.7	489.7	459.8	422.0	388.2	370.3	366.3	366.3
40°	511.6	477.8	432.0	408.1	432.0	426.0	366.3	332.4	314.5	312.5	308.6
42.5°	469.8	436.0	384.2	344.4	356.3	374.2	316.5	284.7	266.8	262.8	256.8
45°	439.9	404.1	346.4	300.6	276.7	314.5	270.7	230.9	221.0	213.0	209.0
47.5°	412.1	378.2	312.5	260.8	221.0	226.9	217.0	189.1	177.2	169.2	167.2
50°	388.2	352.4	282.7	223.0	183.1	167.2	175.2	149.3	139.3	131.4	127.4
52.5°	360.3	326.5	250.8	193.1	153.3	131.4	133.4	117.5	107.5	101.5	99.5
55°	338.4	304.6	224.9	169.2	135.4	107.5	95.6	91.6	85.6	81.6	79.6
57.5°	308.6	276.7	199.1	143.3	115.5	87.6	73.7	73.7	71.7	67.7	65.7
59°	290.6	262.8	183.1	129.4	105.5	75.6	65.7	67.7	65.7	61.7	59.7
60°	276.7	250.8	171.2	119.4	99.5	69.7	59.7	63.7	61.7	57.7	55.7
62.5°	244.9	226.9	147.3	99.5	87.6	55.7	49.8	53.7	53.7	51.8	49.8
65°	215.0	195.1	125.4	83.6	81.6	47.8	39.8	47.8	49.8	45.8	41.8
67.5°	187.1	167.2	109.5	67.7	75.6	37.8	29.9	39.8	53.7	41.8	37.8
70°	159.3	139.3	85.6	53.7	79.6	25.9	23.9	35.8	63.7	45.8	35.8
72.5°	123.4	107.5	59.7	39.8	85.6	17.9	17.9	29.9	71.7	49.8	33.8
75°	85.6	69.7	35.8	23.9	69.7	11.9	11.9	27.9	67.7	45.8	31.9
77.5°	49.8	37.8	11.9	2.0	35.8	0.0	2.0	19.9	47.8	27.9	13.9
80°	17.9	8.0	0.0	0.0	21.9	0.0	0.0	0.0	4.0	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9
2.5°	11615.6	11884.4	12125.3	12489.5	12921.5	13419.2	13847.2	14307.0	14739.0	14918.2	15041.6
5°	8900.3	9232.8	9621.0	10156.5	10869.1	11747.0	12569.2	13498.8	14498.1	14997.8	15467.6
7.5°	6292.5	6631.0	7112.7	7682.0	8544.0	9589.1	10664.1	11948.1	13301.7	14092.0	14870.4
10°	4524.8	4940.9	5390.8	6169.1	7045.0	8036.4	9143.2	10576.5	12085.4	12961.3	13898.9
12.5°	3079.6	3553.4	4234.2	5106.1	6135.3	7106.7	8068.2	9435.8	11187.6	12055.6	13060.9
15°	1847.4	2110.1	2830.8	3840.0	5102.1	6312.5	7365.5	8737.1	10604.4	11667.4	12712.5
17.5°	1138.7	1260.1	1652.3	2480.4	3806.2	5337.0	6780.3	8500.2	10688.0	11981.9	13100.7
20°	907.8	955.5	1080.9	1465.1	2522.2	4262.1	6121.4	8452.4	11370.8	12963.3	14163.7
22.5°	788.3	834.1	917.7	1065.0	1586.6	3191.1	5496.3	8496.2	12350.2	14434.4	15835.9
25°	694.7	734.6	814.2	935.6	1162.6	2247.5	4827.4	8691.3	13626.2	16259.9	17748.9
27.5°	621.1	654.9	728.6	840.1	997.3	1568.7	4069.0	8928.2	15139.1	18127.2	19596.3
30°	553.4	583.3	649.0	752.5	865.9	1206.4	3236.9	9089.5	16654.1	19596.3	20916.1
32.5°	495.7	517.6	577.3	664.9	752.5	961.5	2460.5	9063.6	17778.8	20818.6	21865.7
35°	436.0	457.9	509.6	585.3	654.9	794.3	1934.9	8579.8	18758.2	22086.6	22952.6
37.5°	370.3	398.1	447.9	515.6	563.4	698.7	1564.7	7996.6	19751.6	23535.8	24164.9
40°	314.5	342.4	386.2	459.8	489.7	662.9	1202.4	7285.9	20868.3	25156.3	25494.7
42.5°	260.8	286.7	332.4	396.1	461.8	571.3	889.8	6473.7	21941.3	26541.8	26707.0
45°	211.0	236.9	284.7	348.4	493.7	473.8	688.8	5603.8	22807.3	27694.4	27748.1
47.5°	167.2	191.1	240.9	328.5	459.8	378.2	491.7	4921.0	23533.9	28594.2	28452.8
50°	129.4	149.3	201.1	376.2	402.1	312.5	372.3	4694.0	24184.8	29151.6	28785.3
52.5°	101.5	119.4	165.2	352.4	312.5	258.8	312.5	4907.0	25076.6	29613.4	28972.4
55°	81.6	99.5	129.4	201.1	213.0	219.0	266.8	5106.1	26615.4	30696.3	30077.2
57.5°	67.7	85.6	105.5	141.3	161.2	185.1	236.9	5128.0	28428.9	32495.9	31910.7
59°	61.7	77.6	95.6	125.4	141.3	169.2	223.0	5008.6	29068.0	33150.8	32858.2
60°	57.7	73.7	89.6	115.5	131.4	159.3	215.0	4895.1	29095.8	33127.0	33262.3
62.5°	49.8	65.7	79.6	97.5	111.5	135.4	193.1	4475.1	27917.3	32042.0	33019.5
65°	43.8	57.7	71.7	83.6	95.6	121.4	175.2	3708.6	25904.8	30292.2	31357.2
67.5°	39.8	49.8	65.7	73.7	85.6	107.5	155.3	2643.6	23390.5	28152.2	28843.0
70°	35.8	47.8	59.7	67.7	77.6	93.6	133.4	1518.9	19751.6	25018.9	25510.6
72.5°	33.8	45.8	53.7	63.7	69.7	83.6	121.4	714.7	14462.3	20042.2	21326.2
75°	29.9	41.8	49.8	59.7	65.7	75.6	103.5	342.4	9619.0	14504.1	15963.3
77.5°	17.9	33.8	45.8	53.7	57.7	65.7	85.6	197.1	6139.3	10039.0	11824.7
80°	0.0	11.9	33.8	45.8	49.8	55.7	65.7	155.3	3284.6	5735.2	6883.8
82.5°	0.0	0.0	23.9	35.8	33.8	37.8	49.8	97.5	1481.1	3748.5	4224.2
85°	0.0	0.0	8.0	27.9	23.9	17.9	33.8	33.8	324.5	1897.1	2366.9
87.5°	0.0	0.0	0.0	2.0	11.9	8.0	13.9	4.0	2.0	141.3	573.3
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: P324572

CATALOG NUMBER: GAN-SA8C-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9	13687.9
2.5°	15473.6	15620.9	15869.7	15987.2	15929.4	15684.6	15392.0	15093.4	14918.2	14987.9
5°	16425.1	17183.6	17621.5	17766.8	17524.0	16974.6	16255.9	15308.4	14971.9	14880.4
7.5°	16425.1	17852.4	18756.2	18915.5	18374.0	17297.0	15949.4	14470.3	13978.6	13799.4
10°	15847.8	17790.7	19050.8	19303.7	18547.2	16936.7	15131.2	13443.1	12859.8	12674.7
12.5°	15196.9	17289.1	18616.9	18965.2	18344.1	16578.4	14563.8	12748.3	12061.5	11900.3
15°	14796.7	16672.0	17770.8	18023.6	17760.9	16369.4	14428.5	12539.3	11731.1	11575.8
17.5°	14940.1	16194.2	16590.4	16737.7	16914.8	16295.7	14796.7	12997.2	11974.0	11826.6
20°	15479.6	15690.6	15485.5	15670.7	16148.4	16367.4	15674.6	14104.0	12875.7	12678.7
22.5°	16395.3	15429.8	14854.5	14928.1	15509.4	16604.3	17016.4	15684.6	14267.2	14020.4
25°	17462.3	15640.8	14504.1	14438.4	15035.6	16916.8	18242.6	17404.5	15913.5	15640.8
27.5°	18804.0	16114.6	14432.5	14366.8	14870.4	17209.5	19261.8	19104.6	17647.4	17181.6
30°	19839.1	16580.4	14645.5	14494.2	15035.6	17412.5	20080.0	20547.8	19028.9	18720.4
32.5°	20581.7	17129.8	14991.8	14772.9	15501.4	17762.9	20711.1	21869.6	20307.0	19839.1
35°	21147.0	17727.0	15551.2	15190.9	16142.4	18294.4	21302.3	23277.1	21666.6	21155.0
37.5°	21676.5	18565.1	16425.1	15995.1	17147.7	19150.4	21927.4	24873.6	23187.5	22576.3
40°	22415.1	19514.7	17772.8	17390.6	18837.8	20316.9	22707.7	26537.8	24917.4	24149.0
42.5°	23153.6	20533.9	19152.4	19255.9	20946.0	21734.3	23715.0	28297.6	26625.4	25805.2
45°	23828.5	21585.0	21117.2	21594.9	22902.8	23289.0	24716.3	29314.8	27989.0	27196.7
47.5°	24429.7	22898.8	23070.0	24342.1	25128.4	24696.4	25464.8	30192.7	29004.3	28305.5
50°	25128.4	24598.9	25644.0	27443.6	27690.4	25970.5	26145.6	31231.8	30190.7	29629.3
52.5°	25892.8	26390.5	28494.6	30081.2	30001.6	27354.0	26830.4	32396.4	31817.1	31289.6
55°	26760.8	27837.7	31004.9	32549.7	32482.0	28898.7	27965.1	33835.6	33855.5	33377.8
57.5°	28048.7	29083.9	32708.9	34546.3	34659.8	30682.4	29888.1	35448.1	35698.9	35380.4
59°	28972.4	29892.1	33383.8	35380.4	35842.2	32061.9	31293.5	36383.7	36218.5	35927.8
60°	29657.2	30405.7	33718.2	35816.4	36529.0	32997.6	32330.7	36933.1	36280.2	35927.8
62.5°	31351.3	31524.5	34321.4	36310.1	37319.3	35075.8	35249.0	37868.8	35852.2	35276.9
65°	32141.6	32231.2	34313.4	35426.2	36554.9	36694.3	37896.6	37896.6	34807.1	33923.2
67.5°	31811.1	31379.1	32611.4	32495.9	33622.6	35732.8	38892.0	36507.1	32808.4	31665.8
70°	29123.7	27461.5	26914.0	26963.8	27825.8	31080.5	36921.2	32418.3	29026.2	27690.4
72.5°	24232.6	20245.2	18893.6	20436.4	20661.3	23886.2	31464.7	24413.7	21405.8	20153.7
75°	19490.8	14271.2	12073.5	13701.9	14084.1	17480.2	24340.1	15204.8	12503.5	11528.0
77.5°	14002.5	10244.1	8663.5	8550.0	9043.7	11086.1	17271.2	7652.2	6382.1	5956.1
80°	7954.8	6742.4	7260.0	6849.9	7098.8	6931.6	8205.6	3356.3	2749.1	2570.0
82.5°	4801.5	3985.3	4315.8	3593.2	4546.7	3959.5	3161.2	1075.0	933.6	887.8
85°	3123.4	2177.8	1134.7	760.4	1566.7	2530.2	706.7	292.6	224.9	179.2
87.5°	1077.0	555.4	55.7	23.9	167.2	471.8	25.9	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)