

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: P324174

Luminaire Tested: **GAN-SA0C-740-U-SLL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324174  
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-SA0C-740-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 1050mA 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: 51902 lumens  
Efficiency: N/A  
Efficacy: 93.0 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

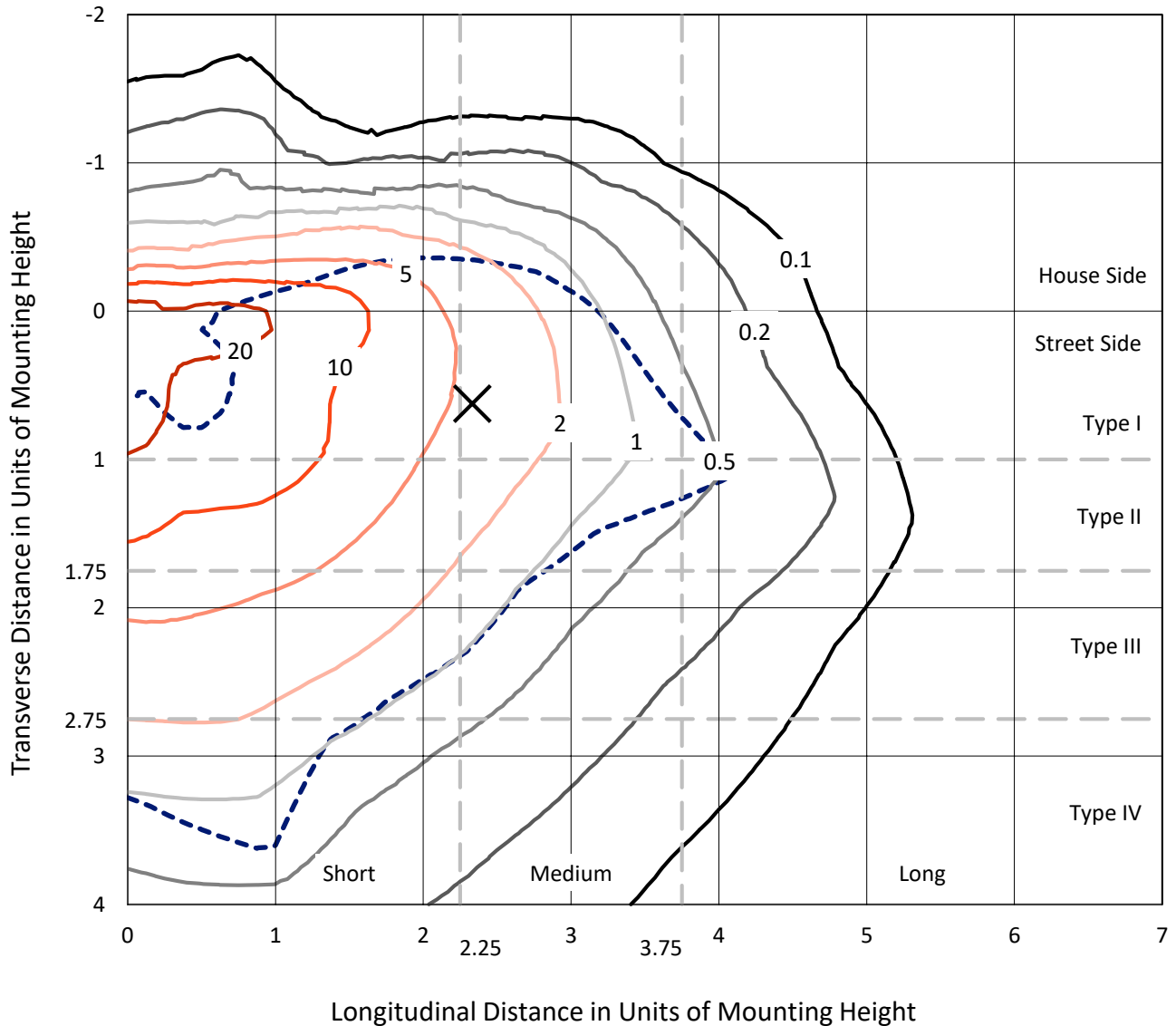
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

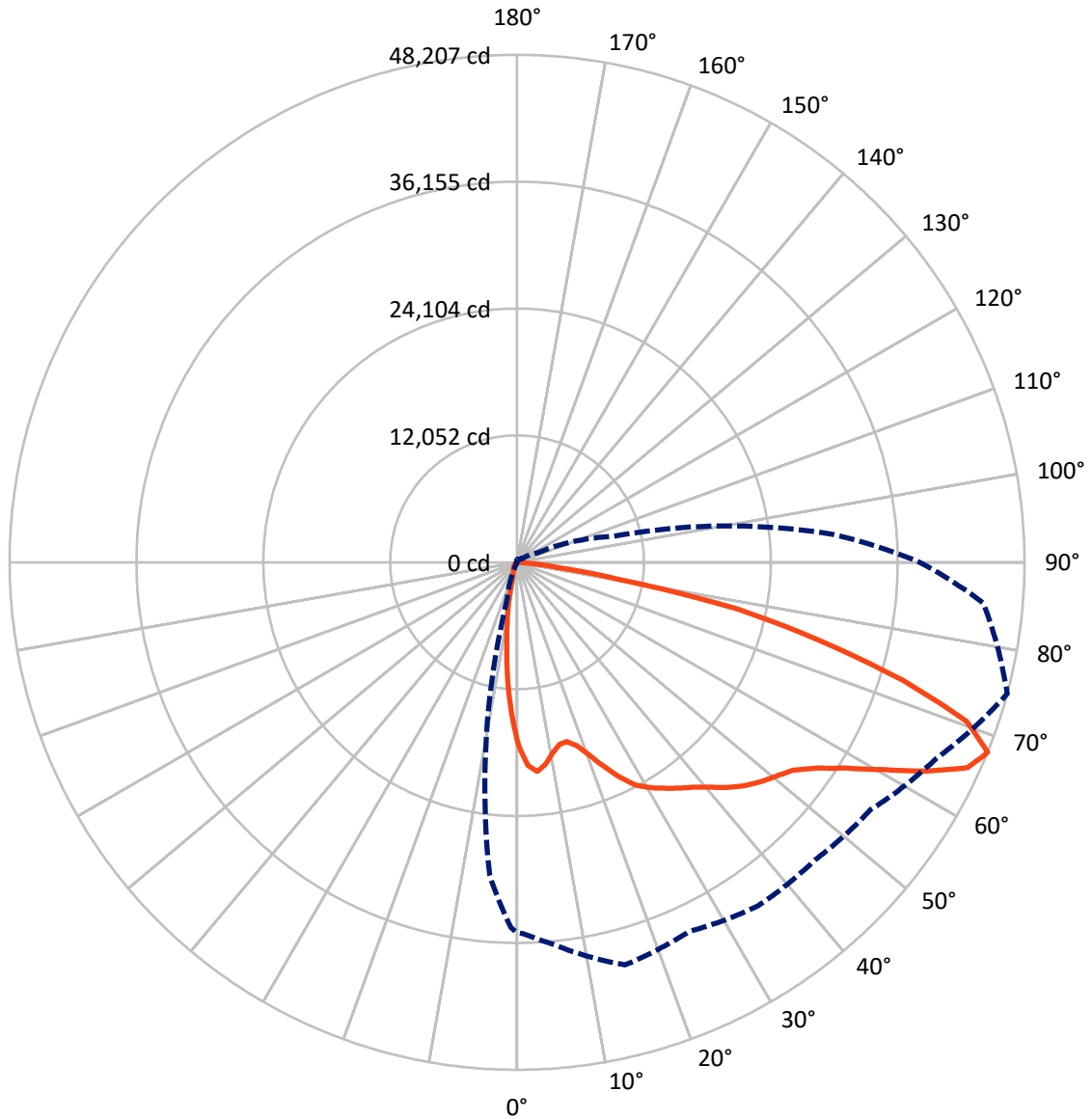
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 36.1 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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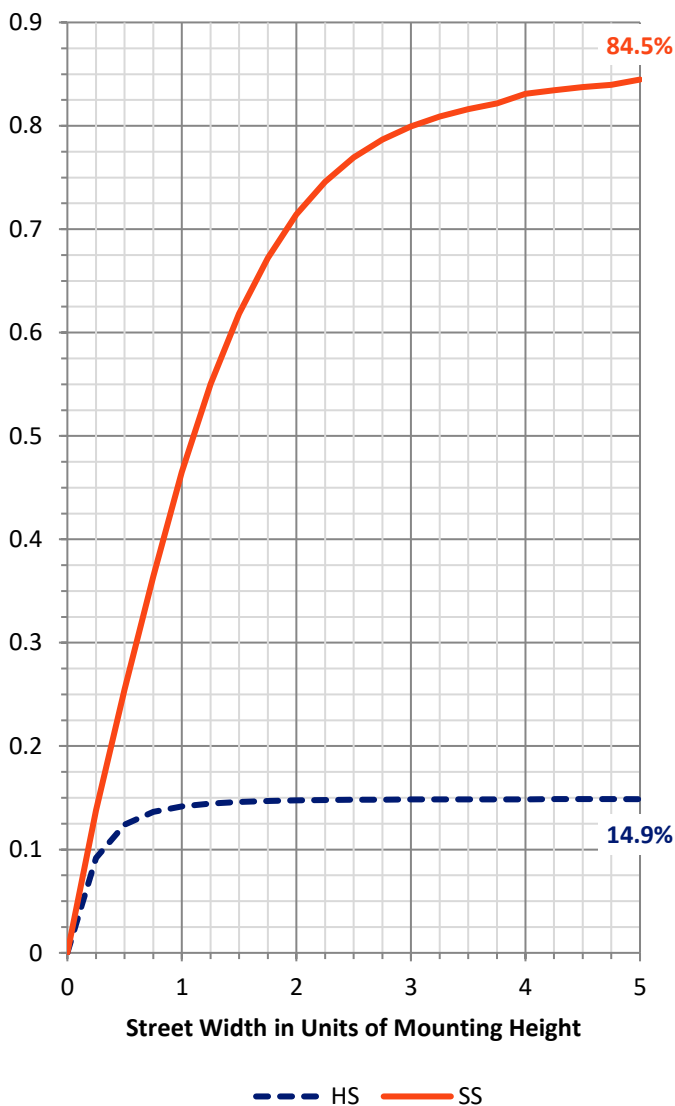
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7788.4	0.0	7788.4
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	44113.6	0.0	44113.6
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	51902.0	0.0	51902.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1320.8	2.5
10°-20°	2600.7	5.0
20°-30°	3679.2	7.1
30°-40°	5409.5	10.4
40°-50°	7775.2	15.0
50°-60°	10945.4	21.1
60°-70°	12783.3	24.6
70°-80°	6521.6	12.6
80°-90°	866.3	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°	51902.0	100.0
0°-180°	51902.0	100.0

**Coefficient of Utilization**

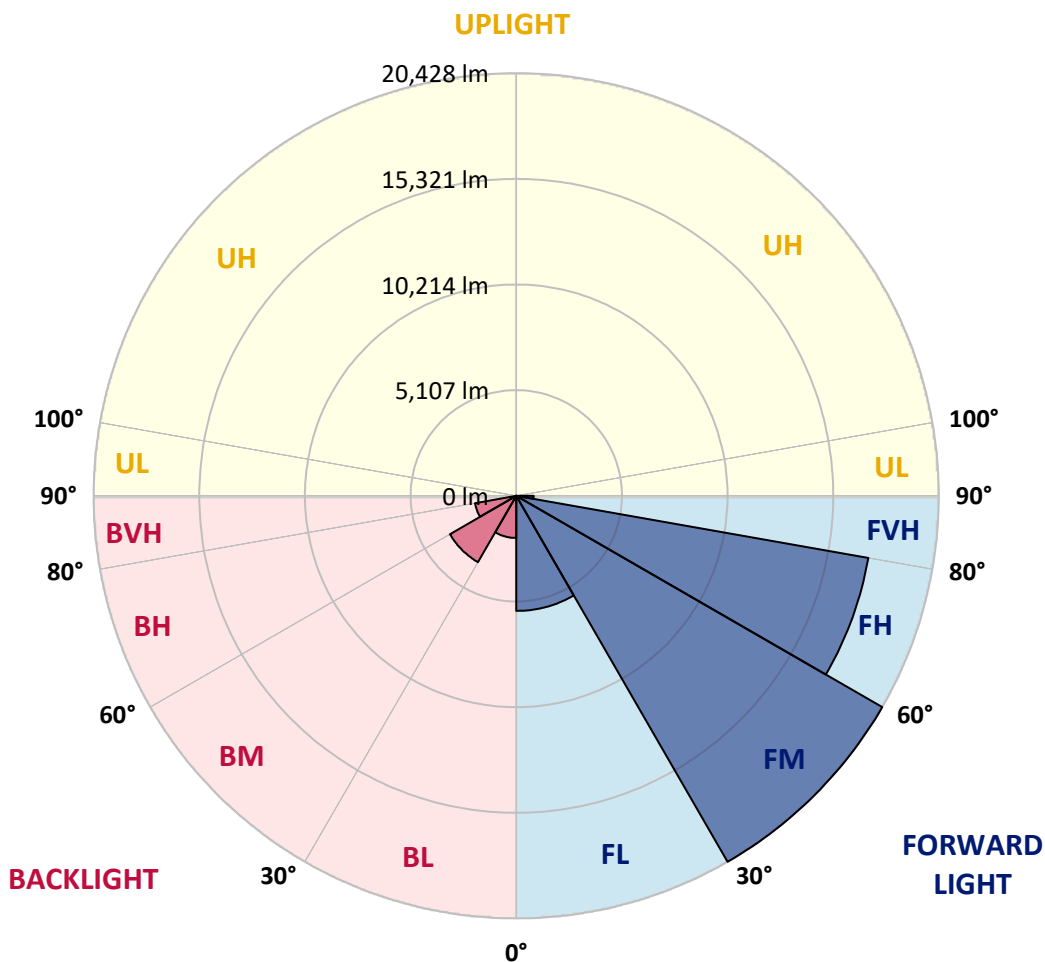


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5563.9	10.7			
FM (30°-60°)	20427.7	39.4			
FH (60°-80°)	17281.9	33.3			G5
FVH (80°-90°)	840.1	1.6			G5
BL (0°-30°)	2036.8	3.9	B3/2500		
BM (30°-60°)	3702.4	7.1	B3/5000		
BH (60°-80°)	2023.0	3.9	B3/2500		G3/2500
BVH (80°-90°)	26.3	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2
2.5°	18875.1	18904.6	19057.1	19411.1	19797.1	19826.6	20087.3	19819.3	19728.3	19295.6	18848.1
5°	19017.7	19130.8	19654.5	20694.5	21596.9	21887.0	22093.5	21567.4	21014.2	19956.9	18828.4
7.5°	17869.5	18058.9	18882.5	20834.7	22447.6	23160.6	23295.8	22472.2	21117.4	19376.7	17680.2
10°	16399.3	16615.6	17608.9	20008.6	22223.8	23445.8	23632.6	22553.3	20606.0	18437.5	16438.6
12.5°	15209.3	15462.5	16477.9	19079.2	21454.3	22806.5	23175.3	22280.4	20163.5	17771.2	15590.4
15°	14661.0	14951.1	16018.2	18479.3	20601.1	21665.7	21970.6	21584.6	19917.6	17665.5	15393.7
17.5°	14975.7	15290.4	16391.9	18530.9	19799.6	20254.4	20500.3	20657.7	19917.6	18302.3	15969.0
20°	16266.5	16605.8	17771.2	19054.6	19135.8	18966.1	19229.2	19782.4	20148.7	19511.9	17350.8
22.5°	18051.5	18449.8	19765.2	19952.0	18811.2	18169.5	18203.9	19071.8	20569.2	21046.1	19268.5
25°	20227.4	20714.2	22051.7	21289.5	18946.4	17695.0	17682.7	18486.7	20979.7	22582.8	21405.1
27.5°	22388.6	22924.6	24099.8	22922.1	19504.6	17608.9	17584.3	18309.6	21380.5	23949.8	23738.4
30°	24200.6	24721.8	25734.8	24104.7	20106.9	17810.5	17692.5	18499.0	21619.0	24837.4	25439.8
32.5°	25675.8	26093.8	26912.5	24918.5	20751.1	18201.5	17945.8	19005.4	22024.7	25587.3	27003.5
35°	27298.5	27738.6	28065.6	25693.0	21473.9	18764.5	18398.2	19809.4	22649.2	26349.5	28717.2
37.5°	29149.9	29587.5	29548.2	26401.1	22391.0	19696.3	19462.8	21083.0	23620.4	27104.3	30630.0
40°	30961.9	31409.4	31089.8	27175.6	23467.9	21233.0	21060.9	22995.9	24921.0	28070.5	32872.3
42.5°	32658.4	33142.7	32459.2	27908.3	24751.3	23170.4	23465.5	25459.4	26548.6	29260.5	34804.8
45°	34025.4	34519.6	33607.4	28621.3	26103.6	25520.9	26408.5	28188.5	28505.7	30266.1	36110.3
47.5°	35018.7	35485.8	34404.0	29334.3	27834.5	28395.1	29941.6	31050.4	30273.5	31138.9	37037.3
50°	35653.0	36016.9	34637.6	30226.8	30106.3	31748.7	33622.2	34163.1	31938.0	31925.7	38163.3
52.5°	36056.3	36221.0	34809.7	31158.6	32476.4	35399.8	37226.6	37396.2	33651.7	32791.2	39680.3
55°	37445.4	37578.2	36029.2	32287.1	34436.0	38598.5	40486.8	40329.4	35591.6	34485.2	41470.2
57.5°	39815.5	39955.7	38549.3	33909.8	36021.8	40575.3	42849.5	43132.3	37865.8	36865.2	43388.0
60°	41005.5	41266.2	40764.6	35965.3	37558.5	41839.0	44460.0	45362.3	40708.0	40002.4	45246.7
62.5°	39926.2	40304.8	41032.6	38244.5	39085.3	42534.8	44961.5	46161.4	43619.1	43658.4	46392.5
65°	37772.4	38074.8	39309.1	39493.5	39970.4	42448.8	43722.4	45045.1	45401.6	47017.0	46331.0
67.5°	35171.1	35284.2	36331.6	39591.8	38687.0	39862.3	39999.9	40978.5	43992.8	48207.0	44469.8
70°	31426.6	31488.1	32402.7	36299.7	33246.0	33504.2	33300.1	33499.2	37821.6	45308.2	39771.3
72.5°	25292.2	25447.1	26747.8	30145.6	24220.3	23475.3	25078.3	24989.8	29127.8	38278.9	29538.3
75°	18621.9	18889.9	20854.4	24281.7	16999.2	15376.5	16546.8	16859.0	20706.8	29609.6	18471.9
77.5°	13038.3	13237.4	15140.4	17849.9	12303.1	10995.1	10572.2	10943.5	13667.7	21419.8	9306.0
80°	7511.2	7585.0	8799.5	10306.7	8290.6	9485.5	8593.0	8848.7	8189.8	9529.8	4002.7
82.5°	4914.9	4927.2	5401.7	6134.4	5163.2	5999.1	4440.3	5677.0	5037.8	3828.1	1303.1
85°	2655.4	2670.1	3132.3	4354.3	2923.3	1652.2	971.2	1994.0	3115.1	877.7	356.5
87.5°	292.6	268.0	944.1	1583.4	811.4	150.0	51.6	223.7	499.1	56.5	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°	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2
2.5°	18619.4	18415.4	17906.4	17368.0	16935.3	16529.6	16121.4	15622.3	15236.3	15157.6	15029.8
5°	18221.1	17574.5	16507.4	15435.5	14572.5	13483.3	12792.4	12254.0	11727.8	11695.8	11590.1
7.5°	16829.5	15978.8	14476.6	12994.0	11779.4	10741.9	9694.5	8993.8	8443.0	8248.8	8133.2
10°	15492.0	14535.6	12659.6	10968.1	9883.8	8966.7	8229.1	7496.5	6832.6	6375.3	6168.8
12.5°	14557.7	13500.5	11432.8	9974.8	9197.8	8327.5	7427.6	6513.0	5748.3	5197.6	4860.8
15°	14196.3	13067.8	11022.2	9581.4	8622.5	7521.0	6370.4	5325.5	4477.2	3978.1	3675.7
17.5°	14626.6	13313.6	10990.2	9102.0	7762.0	6392.5	5121.4	3887.1	3088.1	2709.4	2515.2
20°	15718.2	14095.5	10977.9	8514.3	6739.2	5055.0	3469.2	2557.0	2072.7	1861.2	1770.2
22.5°	17262.3	15093.7	11076.3	7934.1	5674.6	3611.8	2394.7	1878.4	1630.1	1517.0	1465.4
25°	19248.9	16495.2	11354.1	7407.9	4673.9	2694.7	1866.1	1573.5	1399.0	1310.5	1273.6
27.5°	21365.8	18108.0	11786.8	6950.6	3860.1	2148.9	1598.1	1347.3	1222.0	1160.5	1126.1
30°	23111.4	19976.6	12224.5	6441.7	3270.0	1873.5	1462.9	1229.3	1084.3	1044.9	1013.0
32.5°	24638.2	21390.3	12534.3	5981.9	2884.0	1664.5	1322.8	1099.0	1000.7	924.5	890.0
35°	26219.2	22568.0	12524.4	5659.8	2618.5	1507.2	1204.7	983.5	865.4	776.9	749.9
37.5°	27930.4	23898.2	12310.5	5384.5	2502.9	1381.8	1138.4	922.0	804.0	715.5	681.0
40°	29934.2	25294.7	12091.7	5126.3	2471.0	1281.0	1091.6	872.8	747.4	661.4	627.0
42.5°	31886.4	26553.5	11899.9	4934.5	2333.3	1278.5	1049.8	835.9	703.2	619.6	580.2
45°	33447.6	27726.3	11863.0	4819.0	2188.2	1322.8	1027.7	811.4	668.8	585.2	548.3
47.5°	34745.8	28999.9	12099.1	4737.8	2050.5	1207.2	1081.8	794.1	636.8	555.7	513.9
50°	36289.8	30563.6	12654.7	4605.1	1905.5	1086.7	1239.2	799.1	609.7	526.2	481.9
52.5°	38443.6	32727.2	13471.0	4381.3	1706.3	976.1	1219.5	804.0	580.2	494.2	449.9
55°	40858.0	35429.3	14348.7	4010.1	1428.5	831.0	1044.9	769.6	523.7	459.8	418.0
57.5°	43395.4	37880.6	14870.0	3567.5	1135.9	717.9	835.9	700.7	462.2	413.1	386.0
60°	43793.7	38812.4	14631.5	3024.2	902.3	624.5	619.6	713.0	413.1	363.9	344.2
62.5°	42802.8	37642.1	13478.4	2539.8	754.8	548.3	508.9	622.0	373.7	324.5	304.9
65°	40897.4	34477.8	11609.8	2289.0	700.7	469.6	422.9	437.6	327.0	282.7	265.5
67.5°	38246.9	30253.8	9532.2	2146.4	693.3	403.2	361.4	331.9	282.7	245.9	231.1
70°	32828.0	25203.7	7604.6	2067.7	673.7	339.3	304.9	270.5	236.0	209.0	196.7
72.5°	24161.3	17859.7	5915.5	1981.7	678.6	270.5	265.5	223.7	189.3	162.3	157.4
75°	13960.3	10203.4	3879.8	1605.5	646.6	209.0	221.3	157.4	132.8	113.1	113.1
77.5°	7439.9	6222.9	1477.7	668.8	236.0	132.8	125.4	93.4	83.6	68.8	66.4
80°	3243.0	2738.9	445.0	186.9	130.3	71.3	46.7	41.8	36.9	29.5	27.0
82.5°	1148.2	990.8	145.1	91.0	56.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	260.6	186.9	0.0	22.1	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°	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2
2.5°	14769.2	14715.1	14395.5	14407.8	14464.3	14545.4	14353.7	14442.2	14680.7	14909.3	14995.4
5°	11420.5	11432.8	11238.5	11359.0	11467.2	11541.0	11231.2	11236.1	11425.4	11683.6	11818.8
7.5°	8047.2	8027.5	8037.4	8325.0	8529.1	8381.6	8497.1	8096.4	8121.0	8305.4	8167.7
10°	5981.9	5711.5	5559.0	5775.4	5999.1	5918.0	5718.8	5588.5	5679.5	5883.6	5868.8
12.5°	4701.0	4312.5	4083.8	3928.9	4113.3	3960.9	3956.0	3842.9	3720.0	3742.1	4069.1
15°	3535.6	3252.8	2982.4	2734.0	2729.1	2677.5	2414.4	2119.4	2094.8	2109.5	2279.2
17.5°	2431.6	2335.7	2225.1	2011.2	1954.6	1738.3	1482.6	1364.6	1305.5	1332.6	1389.1
20°	1708.8	1671.9	1684.2	1568.6	1487.5	1281.0	1131.0	1084.3	1074.4	1101.5	1128.5
22.5°	1416.2	1349.8	1342.4	1290.8	1209.7	1059.7	978.5	951.5	939.2	963.8	983.5
25°	1239.2	1172.8	1145.7	1113.8	1027.7	924.5	875.3	850.7	838.4	853.2	865.4
27.5°	1091.6	1030.2	1005.6	983.5	899.9	826.1	786.8	764.6	754.8	759.7	772.0
30°	981.0	926.9	895.0	867.9	796.6	745.0	710.6	688.4	678.6	678.6	690.9
32.5°	865.4	835.9	806.4	772.0	705.6	671.2	636.8	612.2	602.4	604.8	614.7
35°	720.4	710.6	717.9	686.0	629.4	599.9	565.5	538.4	531.1	533.5	543.4
37.5°	639.3	595.0	622.0	604.8	572.9	533.5	489.3	464.7	452.4	459.8	464.7
40°	587.6	533.5	513.9	531.1	526.2	462.2	422.9	398.3	388.5	390.9	395.8
42.5°	543.4	479.4	435.2	432.7	462.2	403.2	361.4	339.3	327.0	327.0	331.9
45°	501.6	432.7	378.6	336.8	388.5	341.8	302.4	282.7	268.0	268.0	270.5
47.5°	469.6	393.4	329.5	275.4	292.6	280.3	248.3	228.7	213.9	213.9	216.4
50°	440.1	354.0	285.2	231.1	218.8	231.1	201.6	179.5	169.6	167.2	172.1
52.5°	408.1	314.7	243.4	196.7	172.1	174.6	157.4	142.6	130.3	130.3	135.2
55°	376.2	282.7	211.4	167.2	142.6	130.3	125.4	115.6	105.7	105.7	110.6
57.5°	344.2	248.3	179.5	137.7	113.1	103.3	103.3	95.9	88.5	88.5	93.4
60°	314.7	213.9	147.5	113.1	88.5	86.1	88.5	81.1	76.2	76.2	81.1
62.5°	280.3	181.9	120.5	93.4	71.3	68.8	76.2	71.3	66.4	66.4	71.3
65°	238.5	154.9	95.9	71.3	54.1	54.1	63.9	59.0	54.1	54.1	59.0
67.5°	201.6	130.3	73.8	51.6	39.3	41.8	54.1	49.2	46.7	46.7	51.6
70°	167.2	100.8	51.6	32.0	22.1	32.0	41.8	41.8	41.8	41.8	46.7
72.5°	125.4	68.8	29.5	12.3	9.8	22.1	34.4	39.3	36.9	36.9	44.3
75°	81.1	39.3	9.8	0.0	0.0	12.3	27.0	32.0	32.0	29.5	36.9
77.5°	46.7	12.3	0.0	0.0	0.0	0.0	17.2	14.8	12.3	9.8	17.2
80°	12.3	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: P324174

CATALOG NUMBER: GAN-SAOC-740-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2	17412.2
2.5°	15342.0	15632.2	16040.3	16473.0	17139.3	17667.9	18186.7	18631.7	18803.8	18875.1
5°	12143.3	12568.7	13166.1	13933.2	15135.5	16217.3	17313.9	18417.8	18897.3	19017.7
7.5°	8713.5	9256.9	10016.6	10977.9	12386.7	13788.2	15319.9	16940.2	17682.7	17869.5
10°	6449.1	7112.9	7983.3	8996.2	10341.1	11781.9	13451.3	15302.7	16150.9	16399.3
12.5°	4575.6	5473.0	6638.4	7870.2	9035.6	10321.5	12010.6	14051.2	14941.3	15209.3
15°	2687.3	3555.2	4934.5	6584.3	8076.7	9379.8	11095.9	13409.5	14390.5	14661.0
17.5°	1541.6	1974.3	3016.8	4855.9	6881.8	8686.4	10808.3	13569.3	14724.9	14975.7
20°	1177.7	1315.4	1738.3	3127.4	5485.3	8005.4	10808.3	14474.1	15897.7	16266.5
22.5°	1030.2	1131.0	1303.1	1866.1	4037.1	7275.2	10933.7	15782.1	17643.3	18051.5
25°	914.6	1005.6	1153.1	1403.9	2753.7	6407.3	11231.2	17387.6	19698.8	20227.4
27.5°	818.7	904.8	1037.6	1229.3	1883.3	5359.9	11631.9	19271.0	21965.7	22388.6
30°	732.7	813.8	934.3	1069.5	1453.1	4172.3	11973.7	21046.1	23745.7	24200.6
32.5°	651.5	725.3	833.5	934.3	1190.0	3085.6	12010.6	22452.5	25223.4	25675.8
35°	575.3	641.7	740.1	818.7	985.9	2436.5	11437.7	23672.0	26701.1	27298.5
37.5°	501.6	565.5	651.5	710.6	867.9	1986.6	10562.4	25031.6	28596.7	29149.9
40°	432.7	489.3	577.8	617.1	821.2	1526.8	9610.9	26457.6	30455.4	30961.9
42.5°	368.8	422.9	508.9	585.2	720.4	1140.8	8583.2	27795.2	32127.3	32658.4
45°	307.3	363.9	449.9	619.6	597.5	853.2	7484.2	28682.7	33447.6	34025.4
47.5°	248.3	312.2	430.3	590.1	477.0	627.0	6613.8	29523.6	34448.3	35018.7
50°	199.2	263.1	484.4	526.2	390.9	479.4	6249.9	30275.9	35104.8	35653.0
52.5°	162.3	221.3	457.3	403.2	327.0	395.8	6446.6	31495.4	35712.0	36056.3
55°	135.2	174.6	275.4	280.3	277.8	336.8	6690.0	33246.0	37283.1	37445.4
57.5°	118.0	140.1	191.8	216.4	233.6	300.0	6694.9	35758.8	39714.7	39815.5
60°	100.8	122.9	159.8	174.6	201.6	268.0	6451.5	36636.5	40671.2	41005.5
62.5°	88.5	108.2	132.8	145.1	169.6	240.9	5881.1	35365.4	39358.2	39926.2
65°	78.7	98.3	110.6	122.9	150.0	216.4	4941.9	32823.1	37179.9	37772.4
67.5°	68.8	86.1	98.3	110.6	135.2	191.8	3638.8	29870.3	34679.4	35171.1
70°	61.5	76.2	88.5	98.3	118.0	162.3	2207.9	25346.3	31222.5	31426.6
72.5°	59.0	68.8	81.1	88.5	103.3	142.6	1118.7	18626.8	24960.3	25292.2
75°	51.6	61.5	73.8	78.7	91.0	122.9	454.9	12234.3	18088.4	18621.9
77.5°	41.8	56.5	66.4	71.3	78.7	100.8	231.1	7818.5	12694.1	13038.3
80°	14.8	41.8	56.5	59.0	66.4	73.8	152.4	4280.5	7363.7	7511.2
82.5°	0.0	27.0	44.3	41.8	46.7	56.5	98.3	2035.8	4860.8	4914.9
85°	0.0	12.3	34.4	27.0	19.7	39.3	34.4	445.0	2549.6	2655.4
87.5°	0.0	0.0	2.5	12.3	9.8	14.8	4.9	2.5	231.1	292.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)