

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: P324119

Luminaire Tested: **GAN-SA5B-730-U-SLL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324119  
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-SA5B-730-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 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: 19284 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

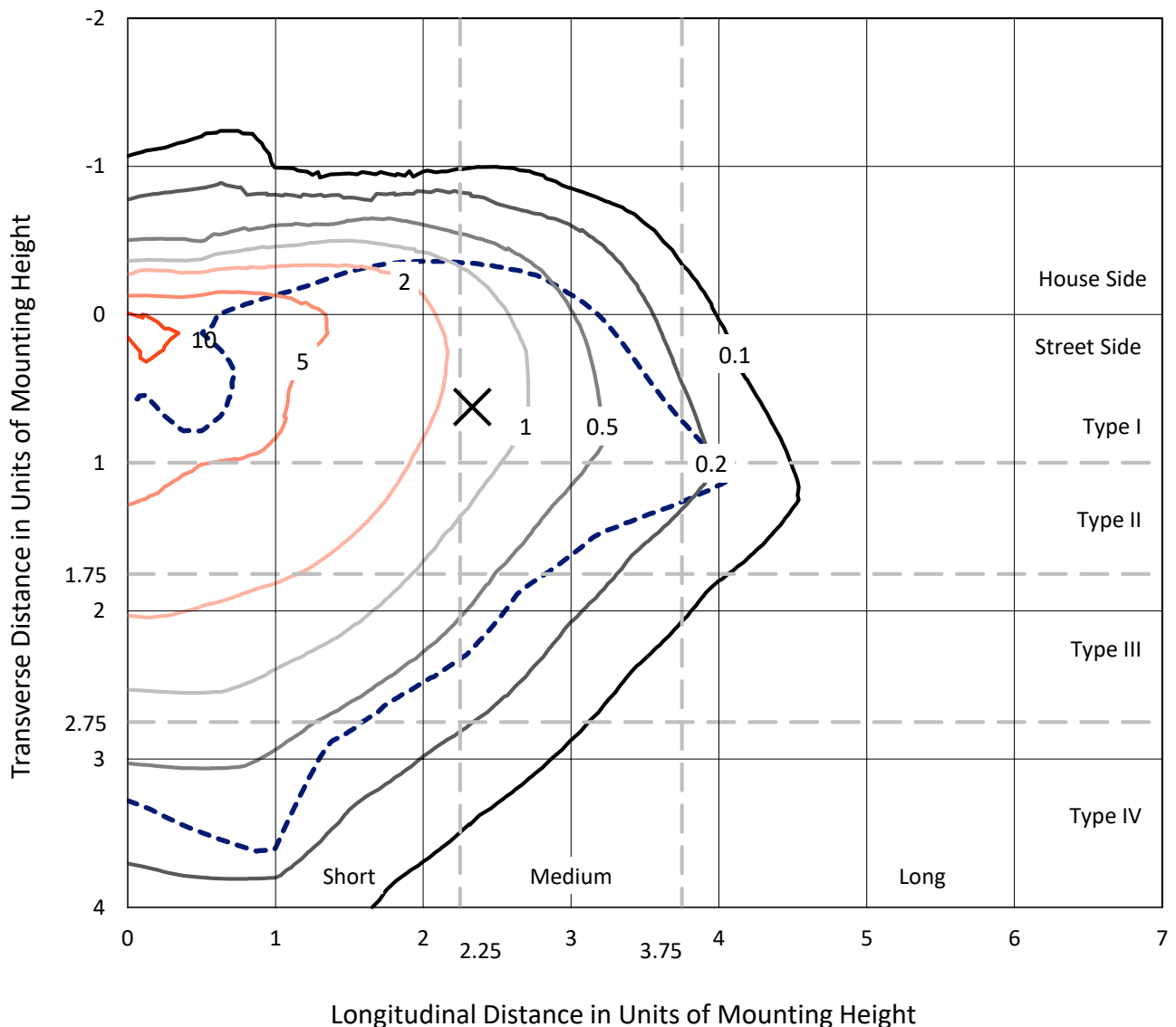
Input Watts (W): 210  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

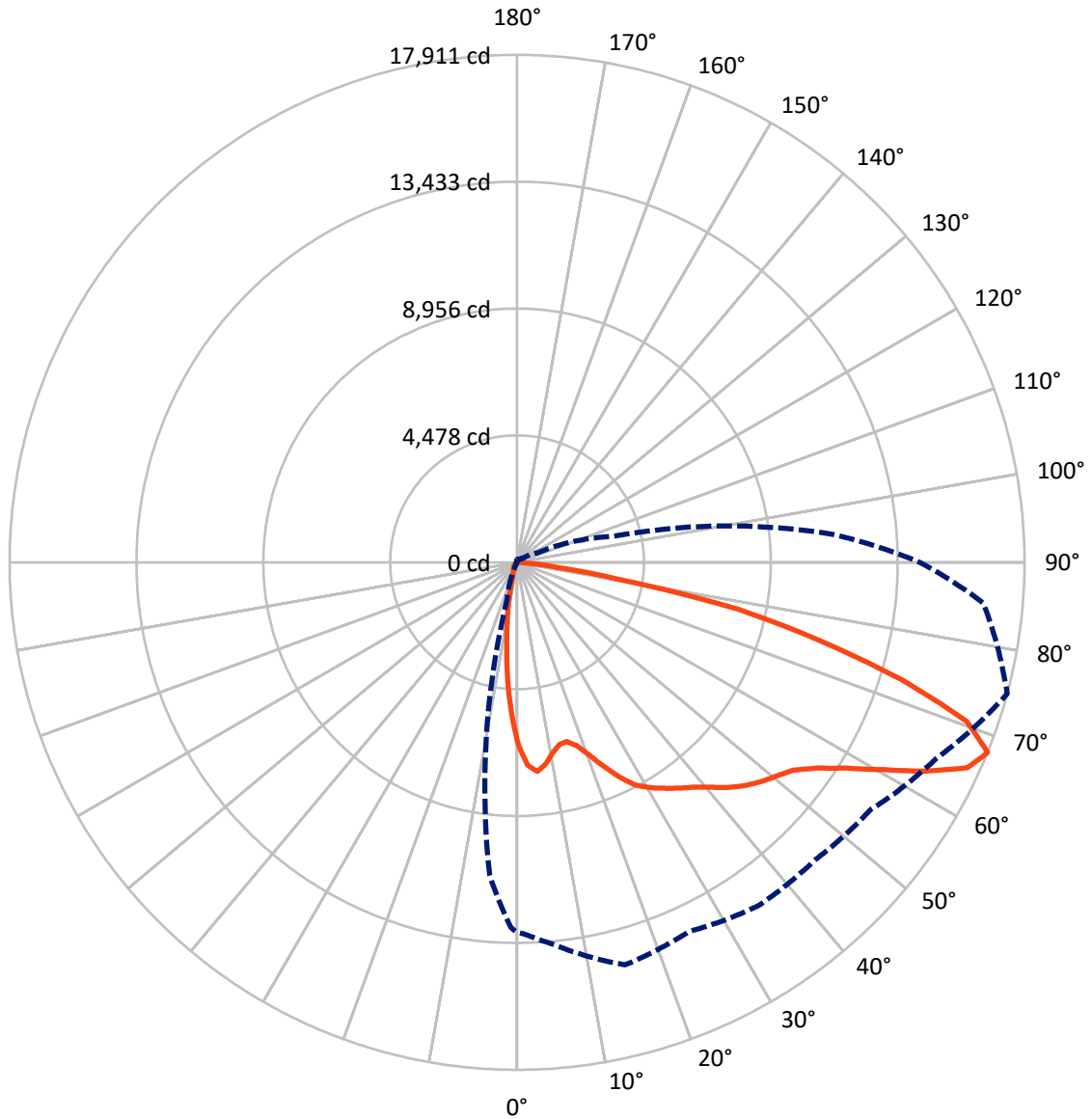
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 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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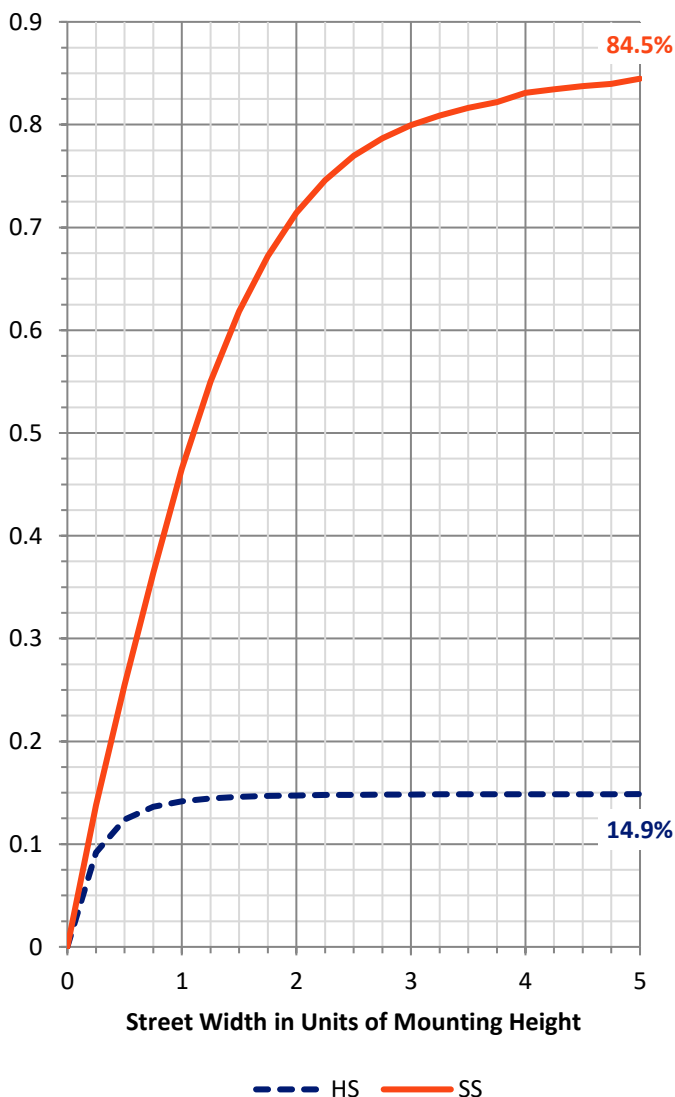
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2893.8	0.0	2893.8
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	16390.2	0.0	16390.2
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	19284.0	0.0	19284.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	490.7	2.5
10°-20°	966.3	5.0
20°-30°	1367.0	7.1
30°-40°	2009.9	10.4
40°-50°	2888.8	15.0
50°-60°	4066.7	21.1
60°-70°	4749.6	24.6
70°-80°	2423.1	12.6
80°-90°	321.9	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°	19284.0	100.0
0°-180°	19284.0	100.0

**Coefficient of Utilization**

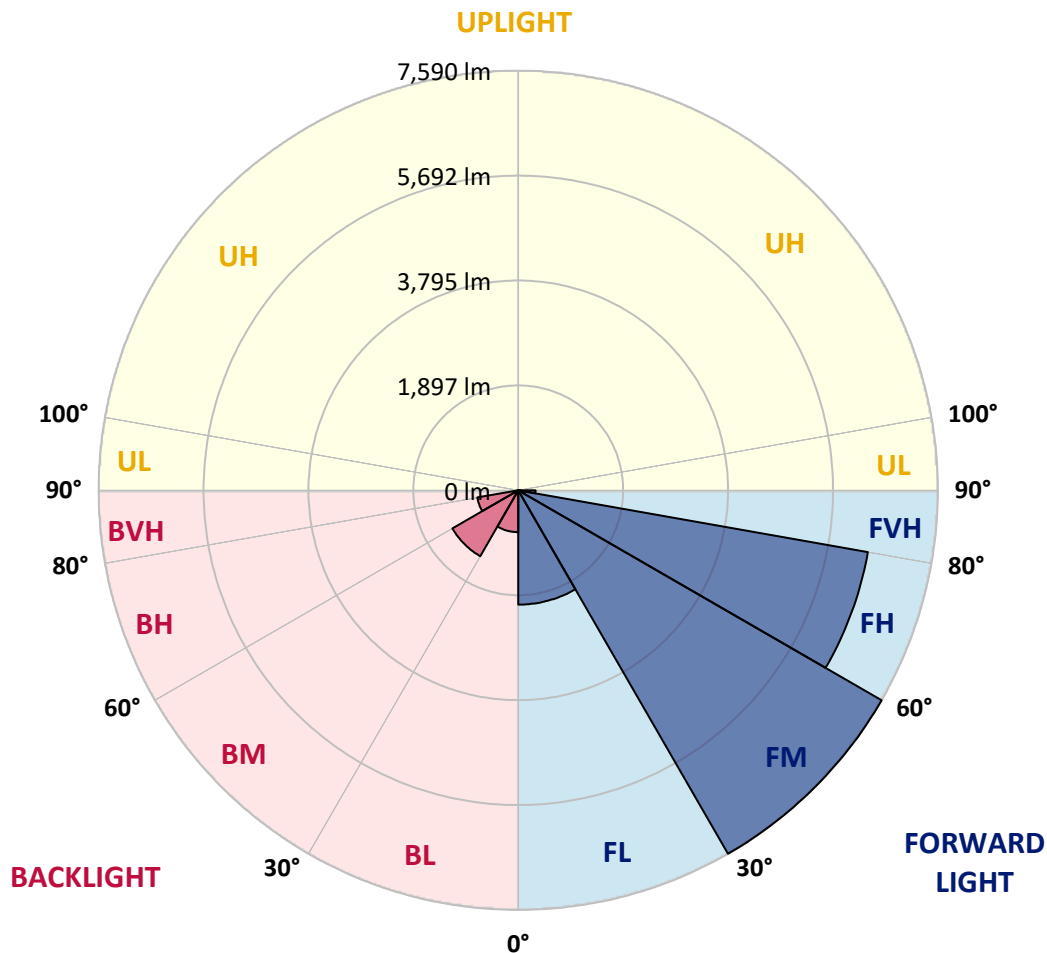


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2067.2	10.7			
FM (30°-60°)	7589.8	39.4			
FH (60°-80°)	6421.0	33.3			G3/7500
FVH (80°-90°)	312.1	1.6			G3/500
BL (0°-30°)	756.8	3.9	B2/1000		
BM (30°-60°)	1375.6	7.1	B2/2500		
BH (60°-80°)	751.6	3.9	B2/1000		G2/1000
BVH (80°-90°)	9.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5
2.5°	7013.0	7024.0	7080.6	7212.1	7355.6	7366.5	7463.3	7363.8	7330.0	7169.2	7002.9
5°	7066.0	7108.0	7302.6	7689.0	8024.2	8132.0	8208.8	8013.3	7807.7	7414.9	6995.6
7.5°	6639.4	6709.7	7015.7	7741.1	8340.3	8605.2	8655.5	8349.4	7846.1	7199.3	6569.0
10°	6093.1	6173.5	6542.5	7434.1	8257.2	8711.2	8780.6	8379.6	7656.1	6850.4	6107.7
12.5°	5651.0	5745.0	6122.3	7088.8	7971.3	8473.7	8610.7	8278.2	7491.7	6602.8	5792.5
15°	5447.2	5555.0	5951.5	6865.9	7654.3	8049.8	8163.1	8019.7	7400.3	6563.5	5719.5
17.5°	5564.2	5681.1	6090.3	6885.1	7356.5	7525.5	7616.8	7675.3	7400.3	6800.1	5933.2
20°	6043.8	6169.8	6602.8	7079.7	7109.8	7046.8	7144.5	7350.1	7486.2	7249.6	6446.6
22.5°	6707.0	6855.0	7343.7	7413.1	6989.2	6750.8	6763.6	7086.1	7642.4	7819.6	7159.1
25°	7515.4	7696.3	8193.2	7910.1	7039.5	6574.5	6569.9	6868.7	7794.9	8390.6	7953.0
27.5°	8318.4	8517.5	8954.2	8516.6	7246.8	6542.5	6533.4	6802.9	7943.9	8898.5	8819.9
30°	8991.6	9185.3	9561.7	8956.0	7470.7	6617.4	6573.6	6873.2	8032.5	9228.2	9452.1
32.5°	9539.7	9695.0	9999.2	9258.4	7710.0	6762.7	6667.7	7061.4	8183.2	9506.9	10033.0
35°	10142.7	10306.2	10427.7	9546.1	7978.6	6971.9	6835.8	7360.1	8415.2	9790.0	10669.8
37.5°	10830.5	10993.1	10978.5	9809.2	8319.3	7318.1	7231.3	7833.3	8776.1	10070.5	11380.5
40°	11503.8	11670.0	11551.3	10097.0	8719.4	7889.0	7825.1	8544.0	9259.3	10429.5	12213.6
42.5°	12134.1	12314.1	12060.1	10369.2	9196.3	8608.9	8718.5	9459.4	9864.0	10871.6	12931.6
45°	12642.0	12825.6	12486.7	10634.1	9698.7	9482.2	9812.0	10473.4	10591.2	11245.3	13416.7
47.5°	13011.1	13184.6	12782.7	10899.0	10341.8	10550.1	11124.7	11536.7	11248.0	11569.6	13761.1
50°	13246.8	13382.0	12869.5	11230.6	11185.9	11796.1	12492.2	12693.2	11866.4	11861.9	14179.4
52.5°	13396.6	13457.8	12933.4	11576.9	12066.5	13152.7	13831.4	13894.4	12503.2	12183.4	14743.1
55°	13912.7	13962.0	13386.5	11996.2	12794.6	14341.1	15042.7	14984.2	13223.9	12812.8	15408.1
57.5°	14793.3	14845.4	14322.9	12599.1	13383.8	15075.6	15920.6	16025.6	14068.9	13697.1	16120.6
60°	15235.5	15332.3	15145.9	13362.8	13954.7	15545.1	16518.9	16854.2	15124.9	14862.7	16811.3
62.5°	14834.4	14975.1	15245.5	14209.6	14522.0	15803.7	16705.3	17151.1	16206.5	16221.1	17237.0
65°	14034.2	14146.6	14605.1	14673.7	14850.9	15771.7	16244.9	16736.4	16868.8	17469.0	17214.1
67.5°	13067.7	13109.7	13498.9	14710.2	14374.0	14810.7	14861.8	15225.4	16345.4	17911.1	16522.6
70°	11676.4	11699.3	12039.1	13487.0	12352.4	12448.4	12372.5	12446.5	14052.5	16834.1	14776.9
72.5°	9397.2	9454.8	9938.0	11200.5	8999.0	8722.2	9317.8	9284.9	10822.3	14222.4	10974.9
75°	6918.9	7018.5	7748.4	9021.8	6316.0	5713.1	6147.9	6263.9	7693.6	11001.4	6863.2
77.5°	4844.3	4918.3	5625.4	6632.1	4571.2	4085.2	3928.1	4066.0	5078.2	7958.5	3457.6
80°	2790.8	2818.2	3269.4	3829.4	3080.3	3524.3	3192.7	3287.7	3042.9	3540.8	1487.2
82.5°	1826.1	1830.7	2007.0	2279.2	1918.4	2229.0	1649.8	2109.3	1871.8	1422.3	484.2
85°	986.6	992.1	1163.8	1617.8	1086.2	613.9	360.8	740.9	1157.4	326.1	132.5
87.5°	108.7	99.6	350.8	588.3	301.5	55.7	19.2	83.1	185.4	21.0	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°	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5
2.5°	6918.0	6842.2	6653.1	6453.0	6292.2	6141.5	5989.9	5804.4	5661.0	5631.8	5584.3
5°	6770.0	6529.7	6133.3	5735.0	5414.4	5009.7	4753.0	4552.9	4357.4	4345.5	4306.3
7.5°	6253.0	5936.9	5378.7	4827.9	4376.6	3991.1	3602.0	3341.6	3137.0	3064.8	3021.9
10°	5756.0	5400.6	4703.6	4075.2	3672.3	3331.6	3057.5	2785.3	2538.6	2368.7	2292.0
12.5°	5408.9	5016.1	4247.8	3706.1	3417.4	3094.0	2759.7	2419.9	2135.8	1931.2	1806.0
15°	5274.6	4855.3	4095.2	3559.9	3203.7	2794.4	2366.9	1978.7	1663.5	1478.1	1365.7
17.5°	5434.4	4946.6	4083.4	3381.8	2883.9	2375.1	1902.8	1444.3	1147.4	1006.7	934.5
20°	5840.0	5237.1	4078.8	3163.5	2503.9	1878.2	1289.0	950.0	770.1	691.5	657.7
22.5°	6413.7	5608.0	4115.3	2947.9	2108.4	1341.9	889.8	697.9	605.7	563.6	544.4
25°	7151.8	6128.7	4218.6	2752.4	1736.6	1001.2	693.4	584.6	519.8	486.9	473.2
27.5°	7938.4	6728.0	4379.3	2582.5	1434.2	798.4	593.8	500.6	454.0	431.2	418.4
30°	8587.0	7422.2	4542.0	2393.4	1215.0	696.1	543.5	456.8	402.9	388.2	376.4
32.5°	9154.2	7947.5	4657.1	2222.6	1071.5	618.4	491.5	408.3	371.8	343.5	330.7
35°	9741.6	8385.1	4653.4	2102.9	972.9	560.0	447.6	365.4	321.6	288.7	278.6
37.5°	10377.4	8879.3	4573.9	2000.6	929.9	513.4	423.0	342.6	298.7	265.8	253.0
40°	11121.9	9398.2	4492.6	1904.7	918.1	475.9	405.6	324.3	277.7	245.7	232.9
42.5°	11847.3	9865.9	4421.4	1833.4	866.9	475.0	390.1	310.6	261.3	230.2	215.6
45°	12427.3	10301.6	4407.7	1790.5	813.0	491.5	381.8	301.5	248.5	217.4	203.7
47.5°	12909.7	10774.8	4495.4	1760.3	761.9	448.5	401.9	295.1	236.6	206.5	190.9
50°	13483.4	11355.8	4701.8	1711.0	708.0	403.8	460.4	296.9	226.5	195.5	179.0
52.5°	14283.6	12159.7	5005.1	1627.9	634.0	362.7	453.1	298.7	215.6	183.6	167.2
55°	15180.6	13163.6	5331.2	1489.9	530.7	308.8	388.2	285.9	194.6	170.8	155.3
57.5°	16123.4	14074.4	5524.9	1325.5	422.0	266.7	310.6	260.3	171.7	153.5	143.4
60°	16271.4	14420.6	5436.3	1123.6	335.3	232.0	230.2	264.9	153.5	135.2	127.9
62.5°	15903.2	13985.8	5007.8	943.7	280.4	203.7	189.1	231.1	138.9	120.6	113.3
65°	15195.3	12810.1	4313.6	850.5	260.3	174.5	157.1	162.6	121.5	105.1	98.7
67.5°	14210.5	11240.7	3541.7	797.5	257.6	149.8	134.3	123.3	105.1	91.4	85.9
70°	12197.1	9364.4	2825.5	768.3	250.3	126.1	113.3	100.5	87.7	77.6	73.1
72.5°	8977.0	6635.7	2197.9	736.3	252.1	100.5	98.7	83.1	70.3	60.3	58.5
75°	5186.9	3791.1	1441.5	596.5	240.3	77.6	82.2	58.5	49.3	42.0	42.0
77.5°	2764.3	2312.1	549.0	248.5	87.7	49.3	46.6	34.7	31.1	25.6	24.7
80°	1204.9	1017.6	165.3	69.4	48.4	26.5	17.4	15.5	13.7	11.0	10.0
82.5°	426.6	368.1	53.9	33.8	21.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	96.8	69.4	0.0	8.2	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°	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5
2.5°	5487.4	5467.3	5348.6	5353.1	5374.2	5404.3	5333.1	5365.9	5454.5	5539.5	5571.5
5°	4243.2	4247.8	4175.6	4220.4	4260.6	4288.0	4172.9	4174.7	4245.1	4341.0	4391.2
7.5°	2989.9	2982.6	2986.3	3093.1	3169.0	3114.1	3157.1	3008.2	3017.3	3085.8	3034.7
10°	2222.6	2122.1	2065.4	2145.8	2229.0	2198.8	2124.8	2076.4	2110.2	2186.0	2180.5
12.5°	1746.6	1602.3	1517.3	1459.8	1528.3	1471.7	1469.8	1427.8	1382.1	1390.4	1511.9
15°	1313.6	1208.6	1108.1	1015.8	1014.0	994.8	897.1	787.4	778.3	783.8	846.8
17.5°	903.5	867.8	826.7	747.2	726.2	645.8	550.8	507.0	485.1	495.1	516.1
20°	634.9	621.2	625.8	582.8	552.7	475.9	420.2	402.9	399.2	409.3	419.3
22.5°	526.2	501.5	498.8	479.6	449.4	393.7	363.6	353.5	349.0	358.1	365.4
25°	460.4	435.7	425.7	413.8	381.8	343.5	325.2	316.1	311.5	317.0	321.6
27.5°	405.6	382.8	373.6	365.4	334.3	306.9	292.3	284.1	280.4	282.3	286.8
30°	364.5	344.4	332.5	322.5	296.0	276.8	264.0	255.8	252.1	252.1	256.7
32.5°	321.6	310.6	299.6	286.8	262.2	249.4	236.6	227.5	223.8	224.7	228.4
35°	267.7	264.0	266.7	254.9	233.9	222.9	210.1	200.1	197.3	198.2	201.9
37.5°	237.5	221.1	231.1	224.7	212.8	198.2	181.8	172.7	168.1	170.8	172.7
40°	218.3	198.2	190.9	197.3	195.5	171.7	157.1	148.0	144.3	145.2	147.1
42.5°	201.9	178.1	161.7	160.8	171.7	149.8	134.3	126.1	121.5	121.5	123.3
45°	186.4	160.8	140.7	125.2	144.3	127.0	112.4	105.1	99.6	99.6	100.5
47.5°	174.5	146.2	122.4	102.3	108.7	104.1	92.3	85.0	79.5	79.5	80.4
50°	163.5	131.5	106.0	85.9	81.3	85.9	74.9	66.7	63.0	62.1	63.9
52.5°	151.6	116.9	90.4	73.1	63.9	64.9	58.5	53.0	48.4	48.4	50.2
55°	139.8	105.1	78.6	62.1	53.0	48.4	46.6	42.9	39.3	39.3	41.1
57.5°	127.9	92.3	66.7	51.2	42.0	38.4	38.4	35.6	32.9	32.9	34.7
60°	116.9	79.5	54.8	42.0	32.9	32.0	32.9	30.1	28.3	28.3	30.1
62.5°	104.1	67.6	44.8	34.7	26.5	25.6	28.3	26.5	24.7	24.7	26.5
65°	88.6	57.6	35.6	26.5	20.1	20.1	23.8	21.9	20.1	20.1	21.9
67.5°	74.9	48.4	27.4	19.2	14.6	15.5	20.1	18.3	17.4	17.4	19.2
70°	62.1	37.5	19.2	11.9	8.2	11.9	15.5	15.5	15.5	15.5	17.4
72.5°	46.6	25.6	11.0	4.6	3.7	8.2	12.8	14.6	13.7	13.7	16.4
75°	30.1	14.6	3.7	0.0	0.0	4.6	10.0	11.9	11.9	11.0	13.7
77.5°	17.4	4.6	0.0	0.0	0.0	0.0	6.4	5.5	4.6	3.7	6.4
80°	4.6	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: P324119  
 CATALOG NUMBER: GAN-SA5B-730-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5	6469.5
2.5°	5700.3	5808.1	5959.7	6120.5	6368.1	6564.5	6757.2	6922.6	6986.5	7013.0
5°	4511.8	4669.8	4891.8	5176.8	5623.5	6025.5	6432.9	6843.1	7021.2	7066.0
7.5°	3237.5	3439.4	3721.6	4078.8	4602.2	5122.9	5692.1	6294.1	6569.9	6639.4
10°	2396.1	2642.8	2966.2	3342.5	3842.2	4377.5	4997.8	5685.7	6000.8	6093.1
12.5°	1700.0	2033.5	2466.5	2924.1	3357.1	3834.9	4462.5	5220.7	5551.4	5651.0
15°	998.5	1320.9	1833.4	2446.4	3000.9	3485.0	4122.7	4982.3	5346.8	5447.2
17.5°	572.8	733.5	1120.9	1804.2	2556.9	3227.4	4015.8	5041.6	5471.0	5564.2
20°	437.6	488.7	645.8	1162.0	2038.0	2974.4	4015.8	5377.8	5906.7	6043.8
22.5°	382.8	420.2	484.2	693.4	1500.0	2703.1	4062.4	5863.8	6555.3	6707.0
25°	339.8	373.6	428.4	521.6	1023.1	2380.6	4172.9	6460.3	7319.0	7515.4
27.5°	304.2	336.2	385.5	456.8	699.7	1991.4	4321.8	7160.1	8161.3	8318.4
30°	272.2	302.4	347.1	397.4	539.9	1550.2	4448.8	7819.6	8822.6	8991.6
32.5°	242.1	269.5	309.7	347.1	442.1	1146.5	4462.5	8342.1	9371.7	9539.7
35°	213.8	238.4	275.0	304.2	366.3	905.3	4249.6	8795.2	9920.7	10142.7
37.5°	186.4	210.1	242.1	264.0	322.5	738.1	3924.4	9300.4	10625.0	10830.5
40°	160.8	181.8	214.7	229.3	305.1	567.3	3570.9	9830.2	11315.6	11503.8
42.5°	137.0	157.1	189.1	217.4	267.7	423.9	3189.1	10327.2	11936.8	12134.1
45°	114.2	135.2	167.2	230.2	222.0	317.0	2780.7	10657.0	12427.3	12642.0
47.5°	92.3	116.0	159.9	219.2	177.2	232.9	2457.3	10969.4	12799.1	13011.1
50°	74.0	97.7	180.0	195.5	145.2	178.1	2322.1	11248.9	13043.0	13246.8
52.5°	60.3	82.2	169.9	149.8	121.5	147.1	2395.2	11702.0	13268.7	13396.6
55°	50.2	64.9	102.3	104.1	103.2	125.2	2485.7	12352.4	13852.4	13912.7
57.5°	43.8	52.1	71.3	80.4	86.8	111.4	2487.5	13286.0	14755.9	14793.3
60°	37.5	45.7	59.4	64.9	74.9	99.6	2397.0	13612.2	15111.2	15235.5
62.5°	32.9	40.2	49.3	53.9	63.0	89.5	2185.1	13139.9	14623.4	14834.4
65°	29.2	36.5	41.1	45.7	55.7	80.4	1836.1	12195.3	13814.0	14034.2
67.5°	25.6	32.0	36.5	41.1	50.2	71.3	1352.0	11098.2	12885.0	13067.7
70°	22.8	28.3	32.9	36.5	43.8	60.3	820.3	9417.3	11600.6	11676.4
72.5°	21.9	25.6	30.1	32.9	38.4	53.0	415.6	6920.7	9273.9	9397.2
75°	19.2	22.8	27.4	29.2	33.8	45.7	169.0	4545.6	6720.7	6918.9
77.5°	15.5	21.0	24.7	26.5	29.2	37.5	85.9	2905.0	4716.4	4844.3
80°	5.5	15.5	21.0	21.9	24.7	27.4	56.6	1590.4	2736.0	2790.8
82.5°	0.0	10.0	16.4	15.5	17.4	21.0	36.5	756.4	1806.0	1826.1
85°	0.0	4.6	12.8	10.0	7.3	14.6	12.8	165.3	947.3	986.6
87.5°	0.0	0.0	0.9	4.6	3.7	5.5	1.8	0.9	85.9	108.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)