

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: P324442

Luminaire Tested: **GAN-SA8B-730-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324442  
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-730-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 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: 30918 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

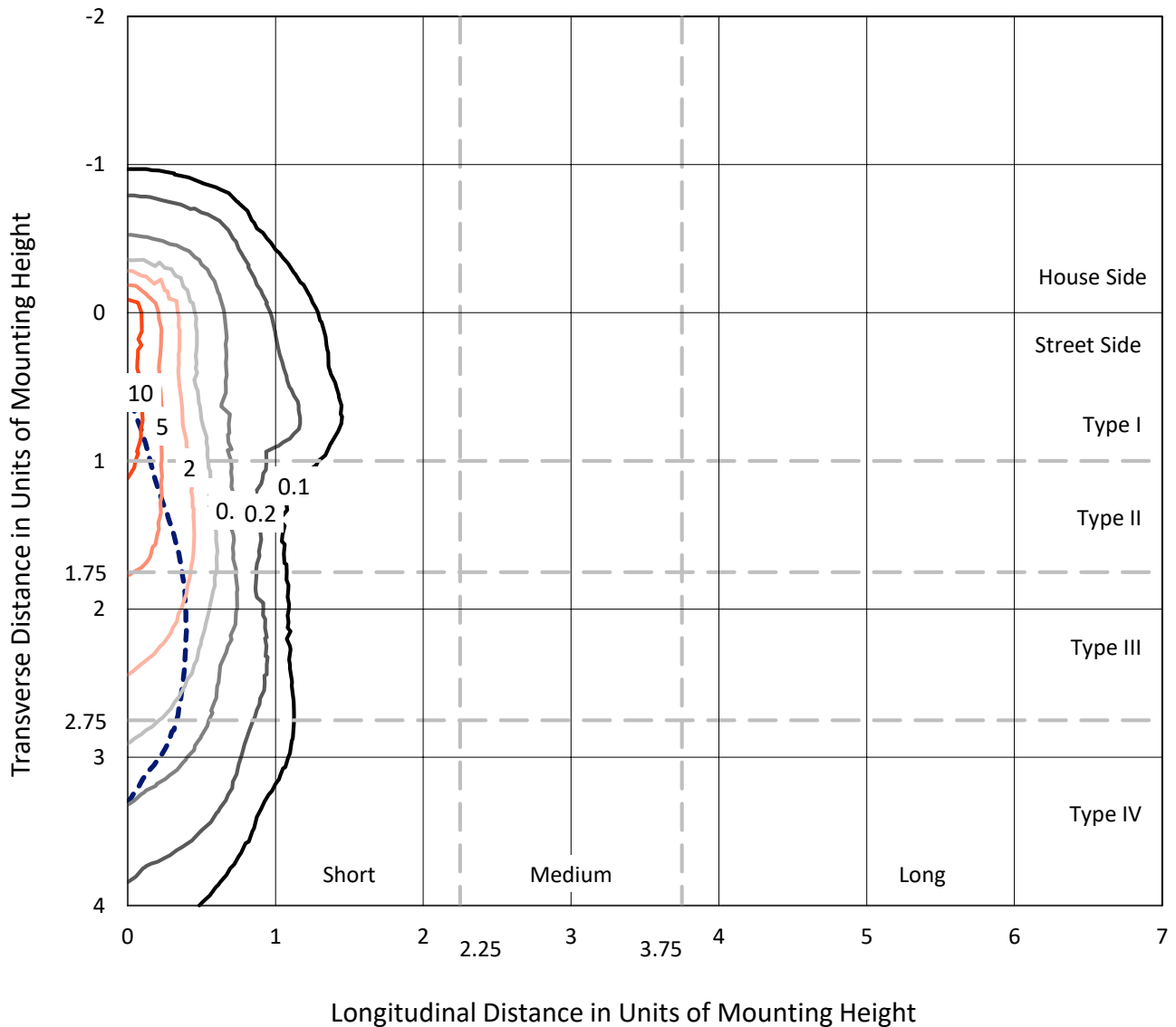
Input Watts (W): 334  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

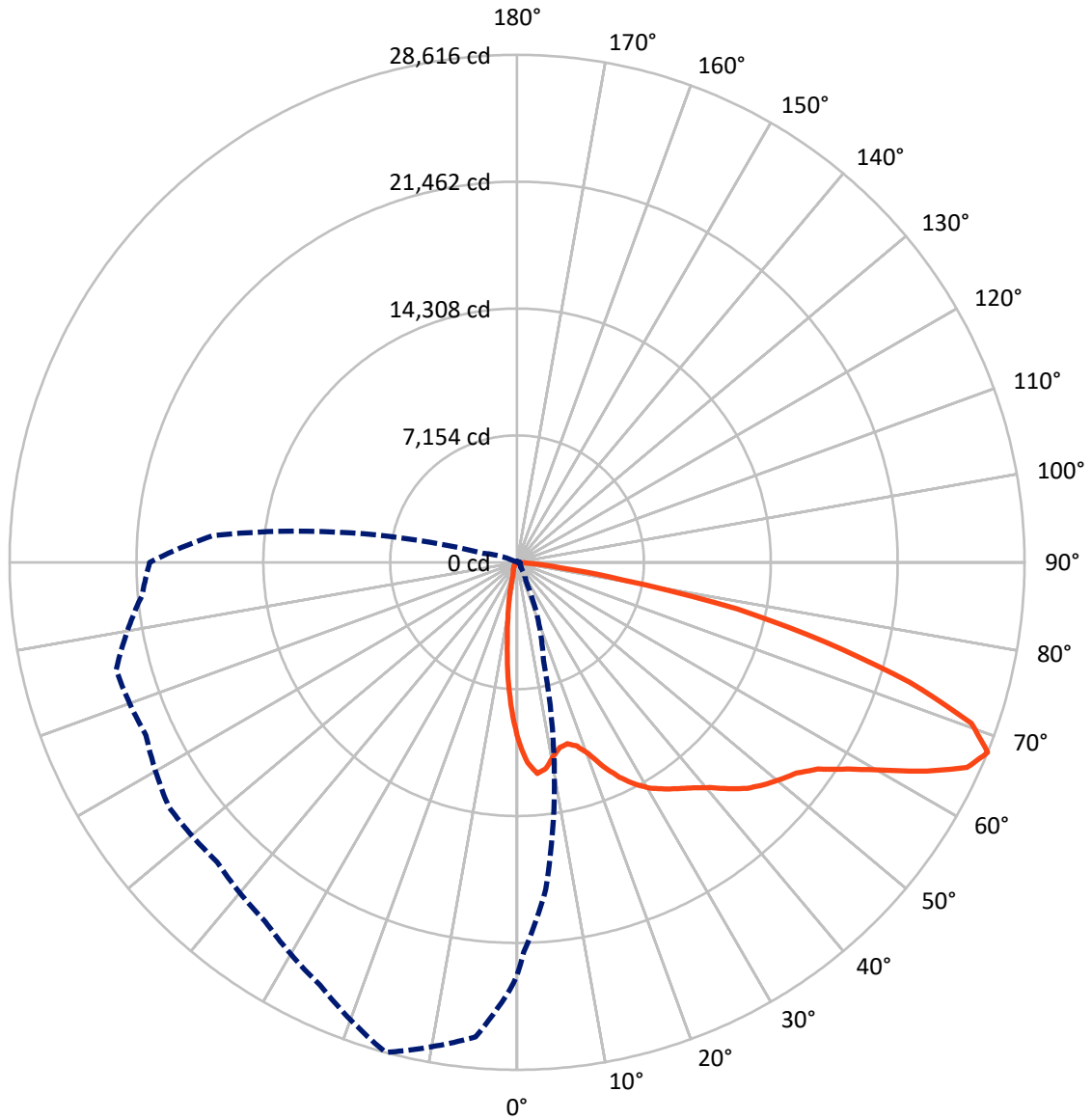
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3742.1	0.0	3742.1
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	27175.9	0.0	27175.9
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	30918.0	0.0	30918.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	773.0	2.5
10°-20°	1538.6	5.0
20°-30°	2184.8	7.1
30°-40°	3227.1	10.4
40°-50°	4654.2	15.1
50°-60°	6533.5	21.1
60°-70°	7616.1	24.6
70°-80°	3893.5	12.6
80°-90°	497.2	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°	30918.0	100.0
0°-180°	30918.0	100.0

**Coefficient of Utilization**

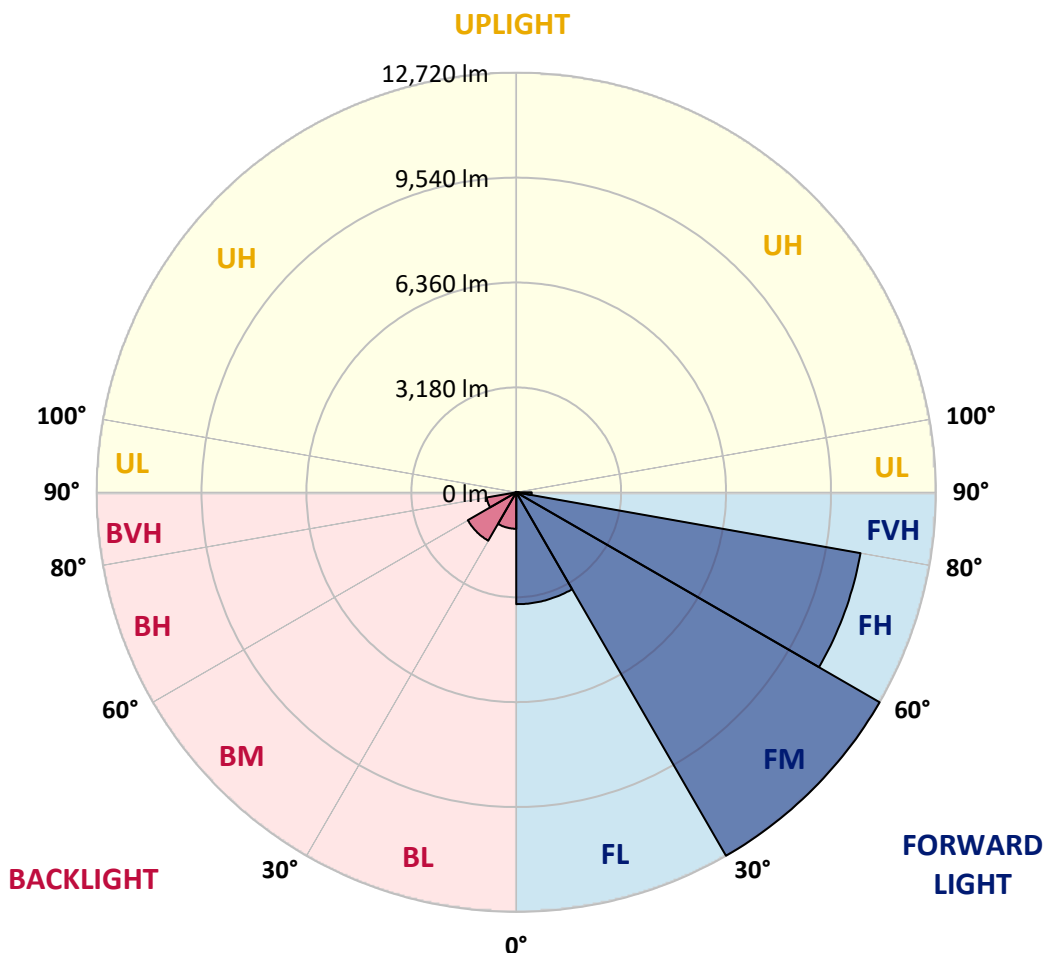


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3391.1	11.0			
FM (30°-60°)	12720.2	41.1			
FH (60°-80°)	10597.6	34.3			G4/12000
FVH (80°-90°)	467.0	1.5			G3/500
BL (0°-30°)	1105.3	3.6	B3/2500		
BM (30°-60°)	1694.5	5.5	B2/2500		
BH (60°-80°)	912.1	2.9	B2/1000		G2/1000
BVH (80°-90°)	30.2	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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5
2.5°	11027.9	10943.0	10849.3	10543.1	10259.0	9933.8	9668.7	9484.1	9252.7	8952.4	8876.3
5°	10948.9	10858.0	10563.6	9882.5	9286.4	8706.4	8146.8	7818.7	7411.5	6998.5	6895.9
7.5°	10153.5	10058.3	9633.5	8700.5	7897.8	7060.0	6333.5	5883.8	5423.9	5046.0	4845.3
10°	9325.9	9221.9	8744.4	7612.2	6623.5	5866.2	5333.1	4903.9	4468.9	4064.6	3742.4
12.5°	8756.2	8619.9	8101.4	6818.3	5957.1	5442.9	4944.9	4430.8	3842.0	3408.4	3054.0
15°	8517.4	8362.1	7814.3	6512.2	5721.2	5117.8	4468.9	3837.6	3147.7	2651.2	2326.0
17.5°	8702.0	8499.8	7912.5	6491.7	5425.4	4603.6	3783.4	3042.2	2293.8	1791.4	1559.9
20°	9328.9	9063.7	8318.2	6485.8	5066.5	3992.9	2952.9	2115.1	1511.6	1215.7	1094.2
22.5°	10316.1	9966.0	8901.2	6532.7	4695.9	3351.3	2132.6	1436.9	1135.2	981.4	909.6
25°	11508.4	11102.7	9740.5	6698.2	4370.8	2727.3	1549.7	1135.2	957.9	845.1	785.1
27.5°	12642.1	12312.5	10800.9	6937.0	4118.8	2223.5	1258.2	962.3	818.8	744.1	695.7
30°	13774.3	13359.8	11889.2	7221.1	3815.6	1882.2	1105.9	877.4	733.8	654.7	624.0
32.5°	14597.5	14253.3	12741.7	7426.2	3491.9	1659.5	988.7	802.7	685.5	604.9	559.5
35°	15565.7	15176.1	13472.6	7471.6	3283.9	1518.9	889.1	722.1	594.7	522.9	474.6
37.5°	16611.5	16126.7	14316.3	7372.0	3121.3	1450.1	814.4	685.5	555.1	481.9	430.6
40°	17768.6	17220.8	15126.3	7228.4	2961.7	1426.6	757.3	657.7	524.4	449.7	396.9
42.5°	18987.3	18341.3	15827.9	7077.6	2860.6	1346.1	751.4	629.8	500.9	420.4	367.6
45°	20011.1	19356.4	16548.5	7027.8	2788.8	1258.2	776.3	610.8	484.8	396.9	345.7
47.5°	20827.0	20207.4	17286.7	7139.1	2747.8	1177.6	707.5	635.7	476.0	376.4	326.6
50°	21801.0	21099.4	18326.7	7471.6	2687.8	1097.1	640.1	728.0	476.0	363.3	310.5
52.5°	23022.6	22328.3	19486.8	7987.2	2567.7	985.8	575.6	729.4	480.4	345.7	290.0
55°	24559.1	24055.3	21143.4	8552.6	2375.8	821.7	498.0	626.9	462.9	313.5	271.0
57.5°	26032.6	25621.1	22653.5	8939.2	2119.5	641.6	433.6	505.3	423.3	275.4	241.7
59°	26435.4	25985.8	23207.2	8956.8	1927.6	559.5	401.3	417.4	414.5	257.8	224.1
60°	26435.4	25957.9	23366.8	8863.1	1788.4	514.1	380.8	372.0	432.1	246.1	213.9
62.5°	25956.5	25285.6	22848.3	8228.9	1458.9	438.0	332.5	307.6	388.2	221.2	189.0
65°	24960.5	23983.5	21081.9	7082.0	1300.7	401.3	287.1	251.9	269.5	194.8	165.5
67.5°	23299.5	21975.3	18534.7	5721.2	1237.7	391.1	247.5	213.9	203.6	167.0	145.0
70°	20374.4	18905.3	15442.6	4498.2	1183.5	386.7	208.0	180.2	164.0	140.6	123.0
72.5°	14828.9	13296.8	10963.5	3516.8	1151.3	395.5	167.0	150.9	134.8	109.9	95.2
75°	8482.2	7478.9	6162.1	2323.1	981.4	377.9	128.9	126.0	96.7	79.1	65.9
77.5°	4382.5	4249.2	3692.6	892.0	470.2	165.5	85.0	73.2	57.1	48.3	39.5
80°	1891.0	1870.5	1618.5	257.8	124.5	92.3	48.3	30.8	26.4	20.5	16.1
82.5°	653.3	653.3	575.6	86.4	55.7	45.4	5.9	0.0	0.0	0.0	0.0
85°	131.8	147.9	104.0	0.0	19.0	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5
2.5°	8784.0	8606.8	8595.0	8483.7	8344.6	8281.6	8245.0	8309.4	8388.5	8397.3	8515.9
5°	6818.3	6632.3	6709.9	6512.2	6551.7	6512.2	6447.7	6459.5	6494.6	6384.8	6521.0
7.5°	4788.2	4647.6	4736.9	4684.2	4754.5	4782.3	4742.8	4684.2	4511.4	4490.9	4609.5
10°	3609.1	3449.4	3354.2	3254.6	3276.6	3322.0	3307.4	3264.9	3155.0	3160.9	3275.1
12.5°	2900.2	2721.5	2532.5	2287.9	2227.9	2261.5	2227.9	2203.0	2097.5	2106.3	2207.3
15°	2200.0	2053.6	1855.8	1659.5	1552.6	1562.9	1469.1	1403.2	1337.3	1258.2	1319.7
17.5°	1485.2	1395.9	1337.3	1278.7	1151.3	1122.0	1003.3	875.9	826.1	789.5	815.9
20°	1051.7	1003.3	979.9	977.0	903.7	867.1	751.4	672.3	647.4	640.1	656.2
22.5°	878.8	843.7	810.0	791.0	754.3	711.9	624.0	584.4	566.9	558.1	569.8
25°	764.6	738.2	703.1	670.8	656.2	610.8	547.8	518.5	506.8	498.0	503.9
27.5°	679.6	656.2	615.2	594.7	583.0	543.4	489.2	465.8	455.5	452.6	451.1
30°	612.3	590.3	552.2	528.8	508.3	473.1	440.9	417.4	407.2	404.3	401.3
32.5°	544.9	527.3	502.4	479.0	457.0	424.8	396.9	377.9	361.8	358.9	357.4
35°	459.9	442.3	429.2	427.7	407.2	376.4	355.9	331.0	317.8	313.5	314.9
37.5°	408.7	385.2	355.9	366.2	360.3	338.4	310.5	285.6	272.4	269.5	269.5
40°	376.4	351.5	317.8	300.3	317.8	313.5	269.5	244.6	231.4	230.0	227.0
42.5°	345.7	320.8	282.7	253.4	262.2	275.4	232.9	209.5	196.3	193.3	189.0
45°	323.7	297.3	254.9	221.2	203.6	231.4	199.2	169.9	162.6	156.7	153.8
47.5°	303.2	278.3	230.0	191.9	162.6	167.0	159.7	139.1	130.4	124.5	123.0
50°	285.6	259.3	208.0	164.0	134.8	123.0	128.9	109.9	102.5	96.7	93.7
52.5°	265.1	240.2	184.6	142.1	112.8	96.7	98.1	86.4	79.1	74.7	73.2
55°	249.0	224.1	165.5	124.5	99.6	79.1	70.3	67.4	63.0	60.1	58.6
57.5°	227.0	203.6	146.5	105.5	85.0	64.4	54.2	54.2	52.7	49.8	48.3
59°	213.9	193.3	134.8	95.2	77.6	55.7	48.3	49.8	48.3	45.4	43.9
60°	203.6	184.6	126.0	87.9	73.2	51.3	43.9	46.9	45.4	42.5	41.0
62.5°	180.2	167.0	108.4	73.2	64.4	41.0	36.6	39.5	39.5	38.1	36.6
65°	158.2	143.5	92.3	61.5	60.1	35.2	29.3	35.2	36.6	33.7	30.8
67.5°	137.7	123.0	80.6	49.8	55.7	27.8	22.0	29.3	39.5	30.8	27.8
70°	117.2	102.5	63.0	39.5	58.6	19.0	17.6	26.4	46.9	33.7	26.4
72.5°	90.8	79.1	43.9	29.3	63.0	13.2	13.2	22.0	52.7	36.6	24.9
75°	63.0	51.3	26.4	17.6	51.3	8.8	8.8	20.5	49.8	33.7	23.4
77.5°	36.6	27.8	8.8	1.5	26.4	0.0	1.5	14.6	35.2	20.5	10.3
80°	13.2	5.9	0.0	0.0	16.1	0.0	0.0	0.0	2.9	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°	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5
2.5°	8546.7	8744.4	8921.7	9189.7	9507.6	9873.7	10188.7	10527.0	10844.9	10976.7	11067.5
5°	6548.8	6793.4	7079.0	7473.1	7997.4	8643.4	9248.3	9932.3	10667.6	11035.3	11380.9
7.5°	4630.0	4879.0	5233.5	5652.4	6286.6	7055.6	7846.6	8791.3	9787.3	10368.8	10941.5
10°	3329.3	3635.5	3966.5	4539.2	5183.7	5913.1	6727.5	7782.1	8892.4	9536.9	10226.7
12.5°	2265.9	2614.5	3115.5	3757.0	4514.3	5229.1	5936.5	6942.8	8231.8	8870.4	9610.1
15°	1359.3	1552.6	2082.8	2825.5	3754.1	4644.7	5419.5	6428.7	7802.6	8584.8	9353.8
17.5°	837.8	927.2	1215.7	1825.1	2800.6	3926.9	4988.9	6254.4	7864.1	8816.2	9639.4
20°	667.9	703.1	795.3	1078.0	1855.8	3136.0	4504.0	6219.2	8366.5	9538.3	10421.6
22.5°	580.0	613.7	675.2	783.6	1167.4	2348.0	4044.1	6251.5	9087.2	10620.8	11651.9
25°	511.2	540.5	599.1	688.4	855.4	1653.7	3552.0	6395.0	10026.1	11963.9	13059.5
27.5°	457.0	481.9	536.1	618.1	733.8	1154.2	2993.9	6569.3	11139.3	13337.8	14418.8
30°	407.2	429.2	477.5	553.7	637.2	887.6	2381.7	6688.0	12253.9	14418.8	15389.9
32.5°	364.7	380.8	424.8	489.2	553.7	707.5	1810.4	6668.9	13081.5	15318.1	16088.6
35°	320.8	336.9	375.0	430.6	481.9	584.4	1423.7	6313.0	13802.1	16251.2	16888.3
37.5°	272.4	292.9	329.6	379.4	414.5	514.1	1151.3	5883.8	14533.0	17317.5	17780.4
40°	231.4	251.9	284.2	338.4	360.3	487.8	884.7	5360.9	15354.8	18509.8	18758.8
42.5°	191.9	210.9	244.6	291.5	339.8	420.4	654.7	4763.3	16144.3	19529.2	19650.8
45°	155.3	174.3	209.5	256.3	363.3	348.6	506.8	4123.2	16781.4	20377.3	20416.9
47.5°	123.0	140.6	177.2	241.7	338.4	278.3	361.8	3620.8	17316.0	21039.4	20935.4
50°	95.2	109.9	147.9	276.8	295.9	230.0	273.9	3453.8	17795.0	21449.5	21180.0
52.5°	74.7	87.9	121.6	259.3	230.0	190.4	230.0	3610.6	18451.2	21789.3	21317.7
55°	60.1	73.2	95.2	147.9	156.7	161.1	196.3	3757.0	19583.4	22586.1	22130.6
57.5°	49.8	63.0	77.6	104.0	118.6	136.2	174.3	3773.1	20917.8	23910.2	23479.6
59°	45.4	57.1	70.3	92.3	104.0	124.5	164.0	3685.3	21388.0	24392.1	24176.8
60°	42.5	54.2	65.9	85.0	96.7	117.2	158.2	3601.8	21408.5	24374.6	24474.2
62.5°	36.6	48.3	58.6	71.8	82.0	99.6	142.1	3292.7	20541.4	23576.3	24295.5
65°	32.2	42.5	52.7	61.5	70.3	89.3	128.9	2728.8	19060.5	22288.8	23072.4
67.5°	29.3	36.6	48.3	54.2	63.0	79.1	114.2	1945.2	17210.6	20714.2	21222.5
70°	26.4	35.2	43.9	49.8	57.1	68.8	98.1	1117.6	14533.0	18408.7	18770.5
72.5°	24.9	33.7	39.5	46.9	51.3	61.5	89.3	525.8	10641.3	14746.9	15691.6
75°	22.0	30.8	36.6	43.9	48.3	55.7	76.2	251.9	7077.6	10672.0	11745.7
77.5°	13.2	24.9	33.7	39.5	42.5	48.3	63.0	145.0	4517.2	7386.6	8700.5
80°	0.0	8.8	24.9	33.7	36.6	41.0	48.3	114.2	2416.8	4219.9	5065.0
82.5°	0.0	0.0	17.6	26.4	24.9	27.8	36.6	71.8	1089.8	2758.1	3108.2
85°	0.0	0.0	5.9	20.5	17.6	13.2	24.9	24.9	238.8	1395.9	1741.6
87.5°	0.0	0.0	0.0	1.5	8.8	5.9	10.3	2.9	1.5	104.0	421.8
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: P324442  
 CATALOG NUMBER: GAN-SA8B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5	10071.5
2.5°	11385.3	11493.7	11676.8	11763.2	11720.8	11540.6	11325.3	11105.6	10976.7	11027.9
5°	12085.5	12643.5	12965.8	13072.7	12894.0	12489.7	11961.0	11263.8	11016.2	10948.9
7.5°	12085.5	13135.7	13800.7	13917.9	13519.5	12727.0	11735.4	10647.1	10285.3	10153.5
10°	11660.7	13090.3	14017.5	14203.5	13646.9	12461.9	11133.4	9891.3	9462.2	9325.9
12.5°	11181.7	12721.2	13698.2	13954.5	13497.5	12198.3	10716.0	9380.1	8874.8	8756.2
15°	10887.3	12267.1	13075.6	13261.7	13068.3	12044.5	10616.4	9226.3	8631.7	8517.4
17.5°	10992.8	11915.6	12207.1	12315.4	12445.8	11990.3	10887.3	9563.2	8810.3	8702.0
20°	11389.7	11545.0	11394.1	11530.4	11881.9	12043.0	11533.3	10377.6	9473.9	9328.9
22.5°	12063.5	11353.1	10929.8	10984.0	11411.7	12217.3	12520.5	11540.6	10497.7	10316.1
25°	12848.6	11508.4	10672.0	10623.7	11063.1	12447.3	13422.8	12806.1	11709.0	11508.4
27.5°	13835.8	11857.0	10619.3	10571.0	10941.5	12662.6	14172.7	14057.0	12984.8	12642.1
30°	14597.5	12199.7	10776.0	10664.7	11063.1	12812.0	14774.7	15118.9	14001.4	13774.3
32.5°	15143.8	12604.0	11030.9	10869.8	11405.8	13069.8	15239.0	16091.5	14941.7	14597.5
35°	15559.8	13043.4	11442.5	11177.4	11877.5	13460.9	15674.1	17127.1	15942.1	15565.7
37.5°	15949.4	13660.1	12085.5	11769.1	12617.2	14090.7	16134.0	18301.8	17061.2	16611.5
40°	16492.9	14358.7	13077.1	12795.9	13860.7	14949.0	16708.2	19526.3	18334.0	17768.6
42.5°	17036.3	15108.7	14092.2	14168.3	15411.9	15991.9	17449.3	20821.1	19590.8	18987.3
45°	17532.8	15882.1	15537.9	15889.4	16851.7	17135.9	18186.1	21569.6	20594.1	20011.1
47.5°	17975.2	16848.8	16974.8	17910.7	18489.3	18171.4	18736.8	22215.6	21341.1	20827.0
50°	18489.3	18099.7	18868.6	20192.8	20374.4	19108.9	19237.8	22980.1	22214.1	21801.0
52.5°	19051.7	19417.9	20966.1	22133.5	22074.9	20126.9	19741.6	23837.0	23410.8	23022.6
55°	19690.4	20482.8	22813.2	23949.8	23900.0	21263.5	20576.5	24896.0	24910.7	24559.1
57.5°	20638.0	21399.7	24067.0	25418.9	25502.4	22575.9	21991.5	26082.4	26267.0	26032.6
59°	21317.7	21994.4	24563.5	26032.6	26372.5	23590.9	23025.6	26770.9	26649.3	26435.4
60°	21821.5	22372.3	24809.6	26353.4	26877.8	24279.4	23788.7	27175.1	26694.7	26435.4
62.5°	23068.0	23195.5	25253.4	26716.7	27459.3	25808.5	25936.0	27863.6	26379.8	25956.5
65°	23649.5	23715.4	25247.5	26066.3	26896.8	26999.4	27884.1	27884.1	25610.8	24960.5
67.5°	23406.4	23088.5	23995.2	23910.2	24739.3	26291.9	28616.4	26861.7	24140.2	23299.5
70°	21429.0	20205.9	19803.1	19839.8	20474.0	22868.8	27166.3	23853.1	21357.2	20374.4
72.5°	17830.2	14896.3	13901.7	15036.9	15202.4	17575.3	23151.5	17963.4	15750.2	14828.9
75°	14341.2	10500.6	8883.6	10081.7	10363.0	12861.8	17909.2	11187.6	9200.0	8482.2
77.5°	10302.9	7537.5	6374.5	6291.0	6654.3	8157.1	12708.0	5630.4	4695.9	4382.5
80°	5853.1	4961.0	5341.9	5040.1	5223.2	5100.2	6037.6	2469.5	2022.8	1891.0
82.5°	3532.9	2932.4	3175.5	2643.8	3345.4	2913.3	2326.0	791.0	687.0	653.3
85°	2298.2	1602.4	834.9	559.5	1152.7	1861.7	520.0	215.3	165.5	131.8
87.5°	792.4	408.7	41.0	17.6	123.0	347.1	19.0	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

(END OF REPORT)