

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: P324126

Luminaire Tested: **GAN-SA2C-730-U-SLL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324126  
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-SA2C-730-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 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: 9770 lumens  
Efficiency: N/A  
Efficacy: 86.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

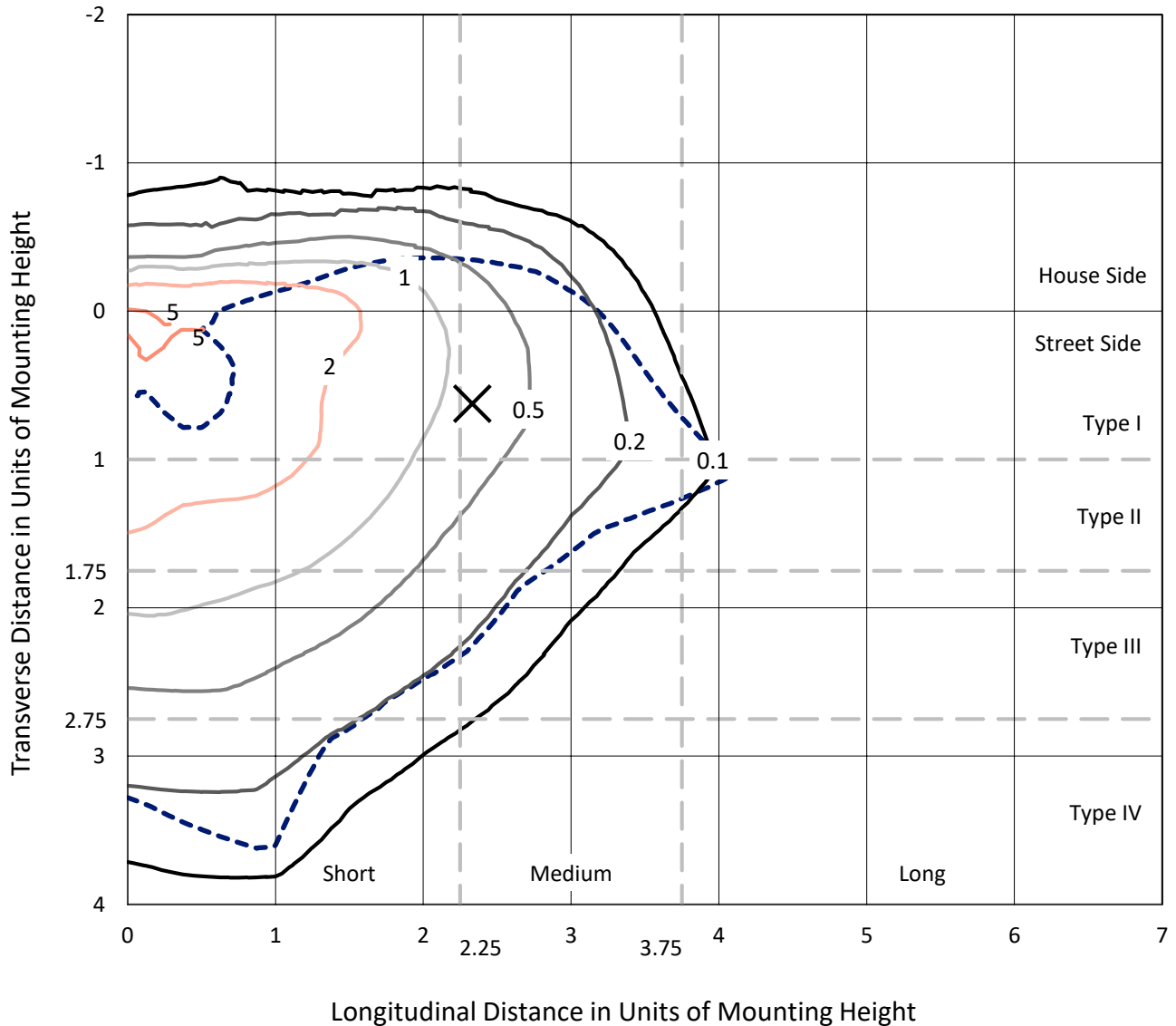
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

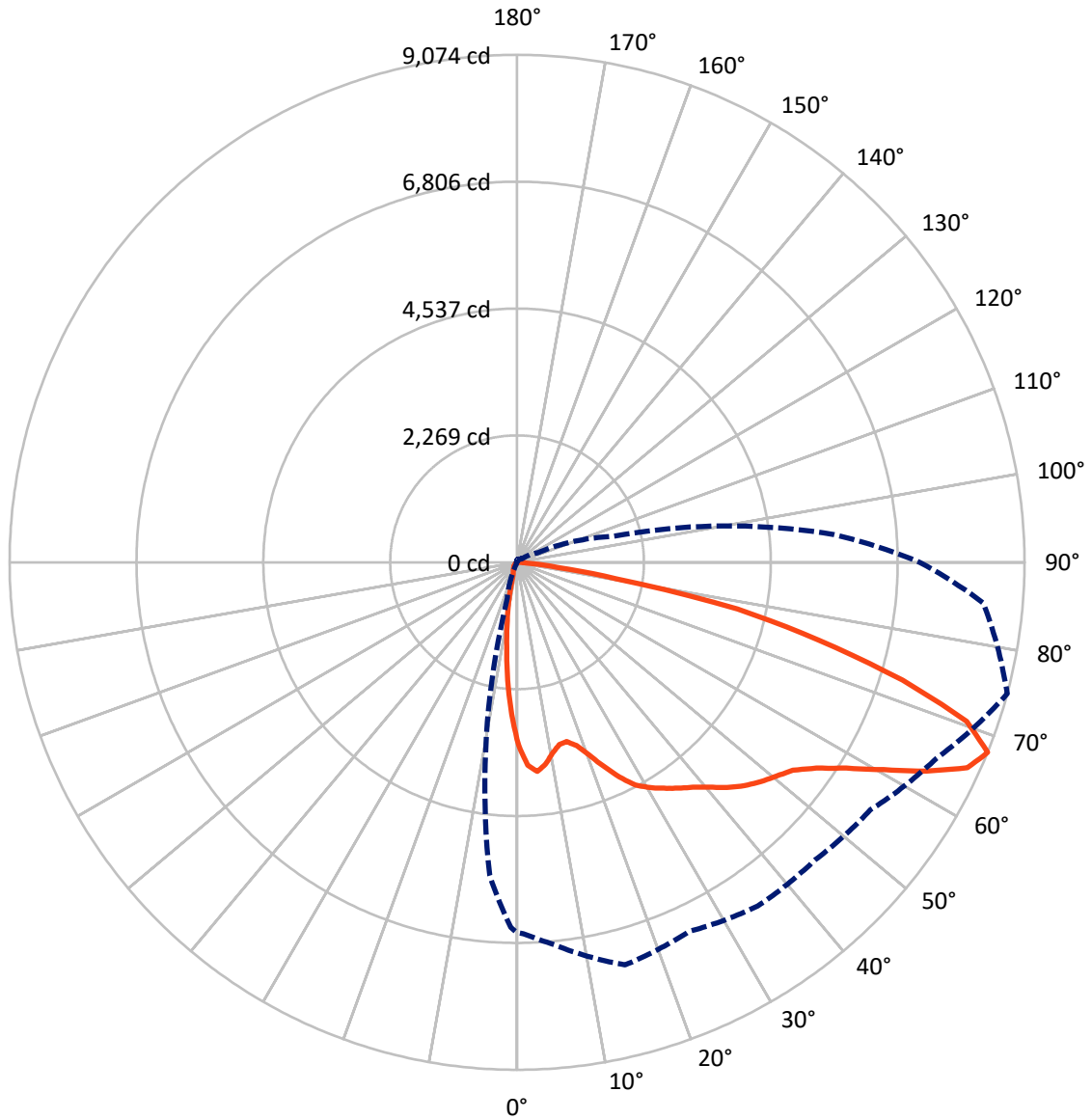
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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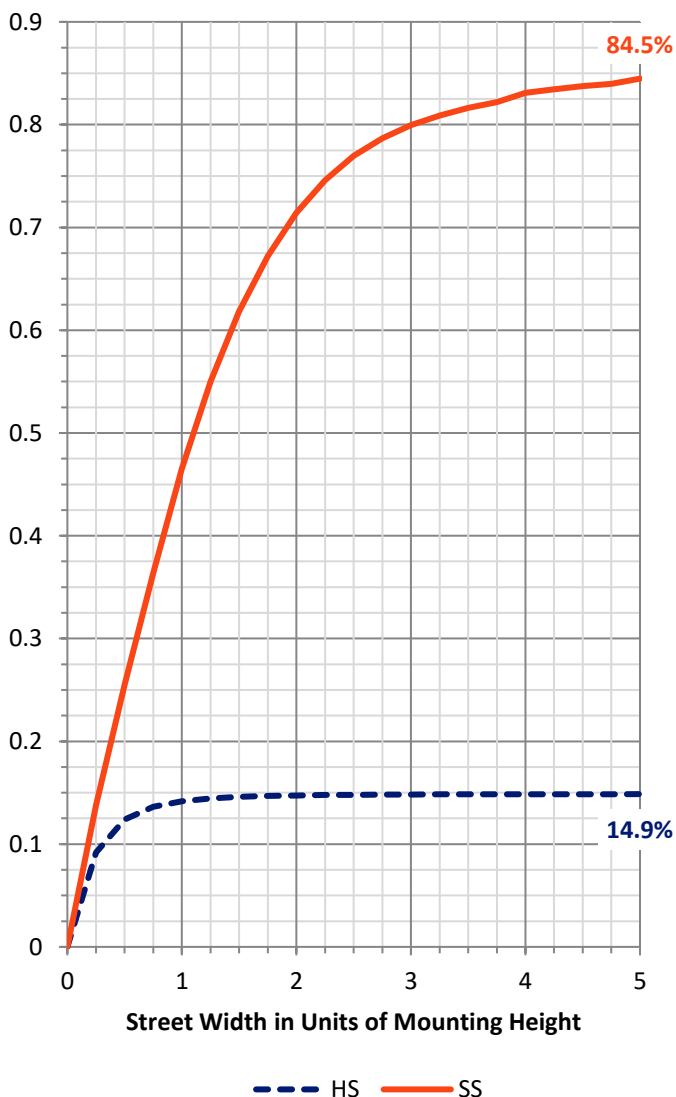
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1466.1	0.0	1466.1
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	8303.9	0.0	8303.9
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	9770.0	0.0	9770.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.6	2.5
10°-20°	489.5	5.0
20°-30°	692.6	7.1
30°-40°	1018.3	10.4
40°-50°	1463.6	15.0
50°-60°	2060.4	21.1
60°-70°	2406.3	24.6
70°-80°	1227.6	12.6
80°-90°	163.1	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°	9770.0	100.0
0°-180°	9770.0	100.0

**Coefficient of Utilization**

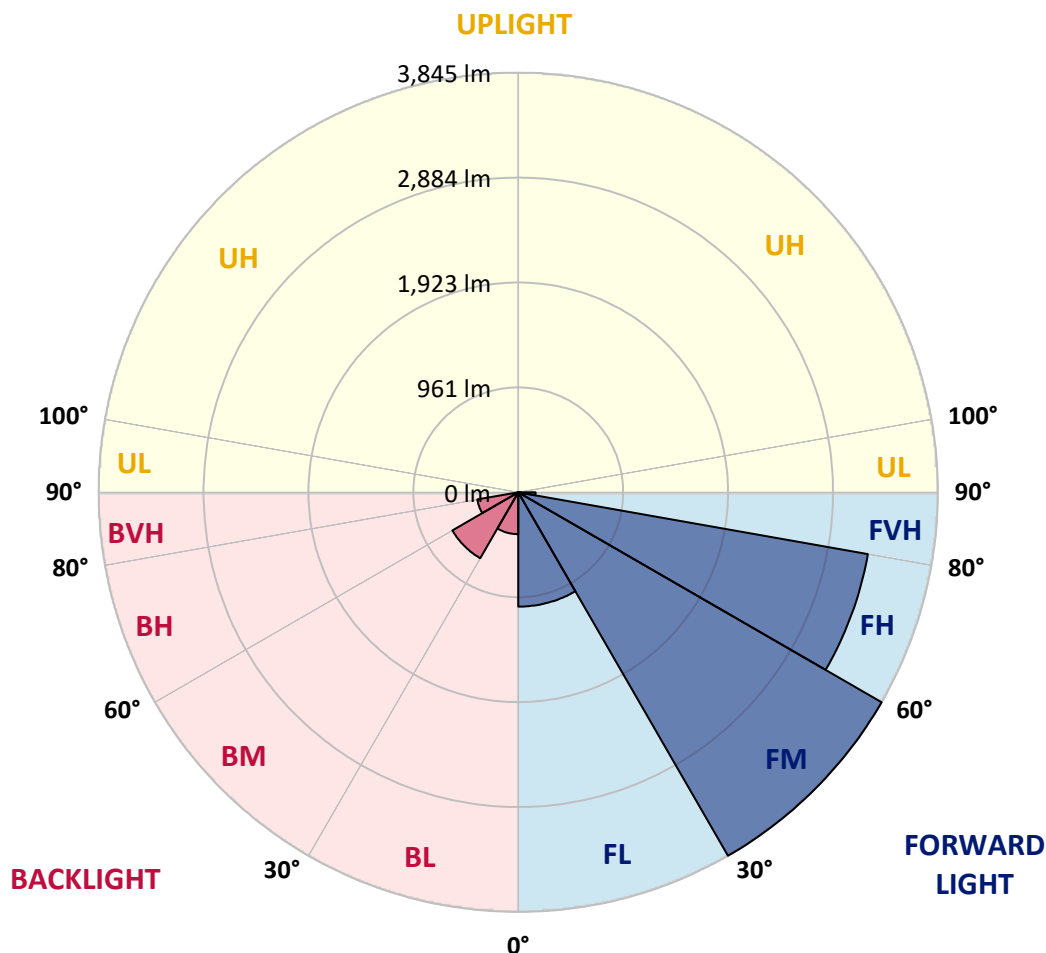


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1047.3	10.7			
FM (30°-60°)	3845.3	39.4			
FH (60°-80°)	3253.1	33.3			G2/5000
FVH (80°-90°)	158.1	1.6			G2/225
BL (0°-30°)	383.4	3.9	B1/500		
BM (30°-60°)	696.9	7.1	B1/1000		
BH (60°-80°)	380.8	3.9	B1/500		G1/500
BVH (80°-90°)	4.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7
2.5°	3553.0	3558.6	3587.3	3653.9	3726.6	3732.2	3781.2	3730.8	3713.6	3632.2	3548.0
5°	3579.9	3601.2	3699.8	3895.5	4065.4	4120.0	4158.9	4059.8	3955.7	3756.7	3544.3
7.5°	3363.8	3399.4	3554.4	3921.9	4225.5	4359.7	4385.2	4230.1	3975.1	3647.5	3328.1
10°	3087.0	3127.7	3314.7	3766.4	4183.4	4413.4	4448.6	4245.4	3878.9	3470.7	3094.4
12.5°	2863.0	2910.7	3101.8	3591.5	4038.5	4293.1	4362.5	4194.0	3795.6	3345.2	2934.7
15°	2759.8	2814.4	3015.3	3478.5	3877.9	4078.3	4135.7	4063.1	3749.3	3325.3	2897.7
17.5°	2819.0	2878.3	3085.6	3488.2	3727.1	3812.7	3859.0	3888.6	3749.3	3445.2	3006.0
20°	3062.0	3125.9	3345.2	3586.8	3602.1	3570.2	3619.7	3723.8	3792.8	3672.9	3266.1
22.5°	3398.0	3473.0	3720.6	3755.8	3541.0	3420.2	3426.7	3590.1	3871.9	3961.7	3627.1
25°	3807.6	3899.2	4151.0	4007.5	3566.5	3330.9	3328.6	3479.9	3949.2	4251.0	4029.3
27.5°	4214.4	4315.3	4536.5	4314.8	3671.5	3314.7	3310.1	3446.6	4024.7	4508.3	4468.5
30°	4555.5	4653.6	4844.3	4537.5	3784.9	3352.6	3330.4	3482.2	4069.5	4675.4	4788.8
32.5°	4833.2	4911.9	5066.0	4690.6	3906.2	3426.2	3378.1	3577.6	4145.9	4816.5	5083.1
35°	5138.7	5221.5	5283.1	4836.4	4042.2	3532.2	3463.3	3728.9	4263.5	4960.0	5405.7
37.5°	5487.2	5569.5	5562.1	4969.7	4214.9	3707.6	3663.7	3968.7	4446.3	5102.1	5765.8
40°	5828.3	5912.5	5852.3	5115.5	4417.6	3996.9	3964.5	4328.7	4691.1	5284.0	6187.9
42.5°	6147.6	6238.8	6110.1	5253.4	4659.2	4361.6	4417.1	4792.5	4997.5	5508.0	6551.6
45°	6404.9	6497.9	6326.2	5387.6	4913.7	4804.0	4971.1	5306.2	5365.9	5697.3	6797.4
47.5°	6591.9	6679.8	6476.2	5521.9	5239.5	5345.1	5636.2	5844.9	5698.7	5861.6	6971.9
50°	6711.3	6779.8	6520.2	5689.9	5667.2	5976.4	6329.0	6430.8	6012.0	6009.7	7183.8
52.5°	6787.2	6818.2	6552.6	5865.3	6113.3	6663.6	7007.5	7039.4	6334.6	6172.6	7469.4
55°	7048.7	7073.7	6782.1	6077.7	6482.2	7265.8	7621.2	7591.6	6699.7	6491.5	7806.3
57.5°	7494.9	7521.2	7256.5	6383.2	6780.7	7637.9	8066.0	8119.2	7127.8	6939.5	8167.3
60°	7718.9	7767.9	7673.5	6770.1	7070.0	7875.8	8369.1	8539.0	7662.9	7530.0	8517.2
62.5°	7515.7	7587.0	7723.9	7199.1	7357.4	8006.7	8463.5	8689.4	8210.8	8218.2	8732.9
65°	7110.3	7167.2	7399.5	7434.2	7524.0	7990.5	8230.3	8479.3	8546.4	8850.4	8721.3
67.5°	6620.6	6641.9	6839.0	7452.7	7282.4	7503.6	7529.6	7713.8	8281.2	9074.4	8371.0
70°	5915.7	5927.3	6099.5	6833.0	6258.2	6306.8	6268.4	6305.9	7119.5	8528.8	7486.5
72.5°	4761.0	4790.2	5035.0	5674.6	4559.2	4419.0	4720.7	4704.1	5483.0	7205.6	5560.3
75°	3505.4	3555.8	3925.6	4570.8	3199.9	2894.5	3114.8	3173.5	3897.8	5573.7	3477.1
77.5°	2454.3	2491.8	2850.0	3360.0	2315.9	2069.7	1990.1	2060.0	2572.8	4032.1	1751.8
80°	1413.9	1427.8	1656.4	1940.1	1560.6	1785.5	1617.5	1665.7	1541.6	1793.9	753.5
82.5°	925.2	927.5	1016.8	1154.7	971.9	1129.3	835.8	1068.6	948.3	720.6	245.3
85°	499.8	502.6	589.6	819.6	550.3	311.0	182.8	375.3	586.4	165.2	67.1
87.5°	55.1	50.4	177.7	298.1	152.7	28.2	9.7	42.1	94.0	10.6	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°	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7
2.5°	3504.9	3466.5	3370.7	3269.3	3187.9	3111.5	3034.7	2940.7	2868.1	2853.3	2829.2
5°	3429.9	3308.2	3107.4	2905.6	2743.1	2538.1	2408.0	2306.7	2207.6	2201.6	2181.7
7.5°	3168.0	3007.8	2725.1	2446.0	2217.4	2022.0	1824.9	1693.0	1589.3	1552.8	1531.0
10°	2916.2	2736.2	2383.0	2064.6	1860.5	1687.9	1549.0	1411.1	1286.2	1200.1	1161.2
12.5°	2740.3	2541.3	2152.1	1877.6	1731.4	1567.6	1398.2	1226.0	1082.1	978.4	915.0
15°	2672.3	2459.9	2074.8	1803.6	1623.1	1415.8	1199.2	1002.5	842.8	748.8	691.9
17.5°	2753.3	2506.2	2068.8	1713.3	1461.1	1203.3	964.0	731.7	581.3	510.0	473.5
20°	2958.8	2653.3	2066.5	1602.7	1268.6	951.6	653.0	481.3	390.2	350.4	333.2
22.5°	3249.4	2841.2	2085.0	1493.5	1068.2	679.9	450.8	353.6	306.8	285.6	275.8
25°	3623.4	3105.0	2137.3	1394.5	879.8	507.2	351.3	296.2	263.3	246.7	239.7
27.5°	4021.9	3408.6	2218.7	1308.4	726.6	404.5	300.8	253.6	230.0	218.4	212.0
30°	4350.5	3760.4	2301.1	1212.6	615.5	352.7	275.4	231.4	204.1	196.7	190.7
32.5°	4637.9	4026.5	2359.4	1126.0	542.9	313.3	249.0	206.9	188.4	174.0	167.5
35°	4935.5	4248.2	2357.6	1065.4	492.9	283.7	226.8	185.1	162.9	146.3	141.2
37.5°	5257.6	4498.6	2317.3	1013.6	471.1	260.1	214.3	173.6	151.3	134.7	128.2
40°	5634.8	4761.5	2276.1	965.0	465.1	241.1	205.5	164.3	140.7	124.5	118.0
42.5°	6002.3	4998.4	2240.0	928.9	439.2	240.7	197.6	157.4	132.4	116.6	109.2
45°	6296.2	5219.2	2233.1	907.1	411.9	249.0	193.5	152.7	125.9	110.2	103.2
47.5°	6540.5	5458.9	2277.5	891.8	386.0	227.2	203.6	149.5	119.9	104.6	96.7
50°	6831.2	5753.3	2382.1	866.9	358.7	204.6	233.3	150.4	114.8	99.0	90.7
52.5°	7236.6	6160.6	2535.8	824.7	321.2	183.7	229.6	151.3	109.2	93.0	84.7
55°	7691.1	6669.2	2701.0	754.9	268.9	156.4	196.7	144.9	98.6	86.5	78.7
57.5°	8168.7	7130.6	2799.1	671.5	213.8	135.1	157.4	131.9	87.0	77.8	72.7
60°	8243.7	7306.0	2754.2	569.3	169.9	117.6	116.6	134.2	77.8	68.5	64.8
62.5°	8057.2	7085.7	2537.2	478.1	142.1	103.2	95.8	117.1	70.3	61.1	57.4
65°	7698.5	6490.1	2185.4	430.9	131.9	88.4	79.6	82.4	61.6	53.2	50.0
67.5°	7199.6	5695.0	1794.3	404.0	130.5	75.9	68.0	62.5	53.2	46.3	43.5
70°	6179.5	4744.3	1431.5	389.2	126.8	63.9	57.4	50.9	44.4	39.3	37.0
72.5°	4548.1	3361.9	1113.5	373.0	127.7	50.9	50.0	42.1	35.6	30.5	29.6
75°	2627.9	1920.7	730.3	302.2	121.7	39.3	41.7	29.6	25.0	21.3	21.3
77.5°	1400.5	1171.4	278.2	125.9	44.4	25.0	23.6	17.6	15.7	13.0	12.5
80°	610.5	515.6	83.8	35.2	24.5	13.4	8.8	7.9	6.9	5.6	5.1
82.5°	216.1	186.5	27.3	17.1	10.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	49.1	35.2	0.0	4.2	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°	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7
2.5°	2780.1	2770.0	2709.8	2712.1	2722.8	2738.0	2701.9	2718.6	2763.5	2806.5	2822.7
5°	2149.8	2152.1	2115.5	2138.2	2158.6	2172.5	2114.1	2115.1	2150.7	2199.3	2224.8
7.5°	1514.8	1511.1	1512.9	1567.1	1605.5	1577.7	1599.5	1524.1	1528.7	1563.4	1537.5
10°	1126.0	1075.1	1046.4	1087.2	1129.3	1114.0	1076.5	1052.0	1069.1	1107.5	1104.7
12.5°	884.9	811.8	768.7	739.6	774.3	745.6	744.7	723.4	700.2	704.4	766.0
15°	665.5	612.3	561.4	514.7	513.7	504.0	454.5	398.9	394.3	397.1	429.0
17.5°	457.7	439.7	418.8	378.6	367.9	327.2	279.1	256.9	245.8	250.8	261.5
20°	321.7	314.7	317.0	295.3	280.0	241.1	212.9	204.1	202.3	207.3	212.4
22.5°	266.6	254.1	252.7	243.0	227.7	199.5	184.2	179.1	176.8	181.4	185.1
25°	233.3	220.8	215.7	209.7	193.5	174.0	164.8	160.1	157.8	160.6	162.9
27.5°	205.5	193.9	189.3	185.1	169.4	155.5	148.1	143.9	142.1	143.0	145.3
30°	184.7	174.5	168.5	163.4	150.0	140.2	133.8	129.6	127.7	127.7	130.1
32.5°	162.9	157.4	151.8	145.3	132.8	126.3	119.9	115.2	113.4	113.9	115.7
35°	135.6	133.8	135.1	129.1	118.5	112.9	106.4	101.4	100.0	100.4	102.3
37.5°	120.3	112.0	117.1	113.9	107.8	100.4	92.1	87.5	85.2	86.5	87.5
40°	110.6	100.4	96.7	100.0	99.0	87.0	79.6	75.0	73.1	73.6	74.5
42.5°	102.3	90.2	81.9	81.5	87.0	75.9	68.0	63.9	61.6	61.6	62.5
45°	94.4	81.5	71.3	63.4	73.1	64.3	56.9	53.2	50.4	50.4	50.9
47.5°	88.4	74.1	62.0	51.8	55.1	52.8	46.7	43.0	40.3	40.3	40.7
50°	82.8	66.6	53.7	43.5	41.2	43.5	38.0	33.8	31.9	31.5	32.4
52.5°	76.8	59.2	45.8	37.0	32.4	32.9	29.6	26.8	24.5	24.5	25.5
55°	70.8	53.2	39.8	31.5	26.8	24.5	23.6	21.8	19.9	19.9	20.8
57.5°	64.8	46.7	33.8	25.9	21.3	19.4	19.4	18.0	16.7	16.7	17.6
60°	59.2	40.3	27.8	21.3	16.7	16.2	16.7	15.3	14.3	14.3	15.3
62.5°	52.8	34.2	22.7	17.6	13.4	13.0	14.3	13.4	12.5	12.5	13.4
65°	44.9	29.2	18.0	13.4	10.2	10.2	12.0	11.1	10.2	10.2	11.1
67.5°	38.0	24.5	13.9	9.7	7.4	7.9	10.2	9.3	8.8	8.8	9.7
70°	31.5	19.0	9.7	6.0	4.2	6.0	7.9	7.9	7.9	7.9	8.8
72.5°	23.6	13.0	5.6	2.3	1.9	4.2	6.5	7.4	6.9	6.9	8.3
75°	15.3	7.4	1.9	0.0	0.0	2.3	5.1	6.0	6.0	5.6	6.9
77.5°	8.8	2.3	0.0	0.0	0.0	0.0	3.2	2.8	2.3	1.9	3.2
80°	2.3	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: P324126  
 CATALOG NUMBER: GAN-SA2C-730-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7	3277.7
2.5°	2888.0	2942.6	3019.4	3100.9	3226.3	3325.8	3423.5	3507.2	3539.6	3553.0
5°	2285.9	2365.9	2478.4	2622.8	2849.1	3052.7	3259.2	3467.0	3557.2	3579.9
7.5°	1640.2	1742.5	1885.5	2066.5	2331.7	2595.5	2883.8	3188.8	3328.6	3363.8
10°	1214.0	1338.9	1502.8	1693.4	1946.6	2217.8	2532.1	2880.6	3040.2	3087.0
12.5°	861.3	1030.2	1249.6	1481.5	1700.9	1942.9	2260.9	2645.0	2812.5	2863.0
15°	505.9	669.2	928.9	1239.4	1520.4	1765.6	2088.7	2524.2	2708.9	2759.8
17.5°	290.2	371.6	567.9	914.1	1295.4	1635.1	2034.5	2554.3	2771.8	2819.0
20°	221.7	247.6	327.2	588.7	1032.5	1506.9	2034.5	2724.6	2992.6	3062.0
22.5°	193.9	212.9	245.3	351.3	759.9	1369.5	2058.1	2970.8	3321.2	3398.0
25°	172.2	189.3	217.1	264.3	518.4	1206.1	2114.1	3273.0	3708.1	3807.6
27.5°	154.1	170.3	195.3	231.4	354.5	1008.9	2189.6	3627.6	4134.8	4214.4
30°	137.9	153.2	175.9	201.3	273.5	785.4	2253.9	3961.7	4469.9	4555.5
32.5°	122.6	136.5	156.9	175.9	224.0	580.8	2260.9	4226.4	4748.0	4833.2
35°	108.3	120.8	139.3	154.1	185.6	458.7	2153.0	4456.0	5026.2	5138.7
37.5°	94.4	106.4	122.6	133.8	163.4	374.0	1988.3	4711.9	5383.0	5487.2
40°	81.5	92.1	108.8	116.2	154.6	287.4	1809.2	4980.4	5732.9	5828.3
42.5°	69.4	79.6	95.8	110.2	135.6	214.7	1615.7	5232.1	6047.6	6147.6
45°	57.9	68.5	84.7	116.6	112.5	160.6	1408.8	5399.2	6296.2	6404.9
47.5°	46.7	58.8	81.0	111.1	89.8	118.0	1245.0	5557.5	6484.5	6591.9
50°	37.5	49.5	91.2	99.0	73.6	90.2	1176.5	5699.1	6608.1	6711.3
52.5°	30.5	41.7	86.1	75.9	61.6	74.5	1213.5	5928.7	6722.4	6787.2
55°	25.5	32.9	51.8	52.8	52.3	63.4	1259.3	6258.2	7018.2	7048.7
57.5°	22.2	26.4	36.1	40.7	44.0	56.5	1260.2	6731.2	7475.9	7494.9
60°	19.0	23.1	30.1	32.9	38.0	50.4	1214.4	6896.4	7655.9	7718.9
62.5°	16.7	20.4	25.0	27.3	31.9	45.4	1107.1	6657.2	7408.8	7515.7
65°	14.8	18.5	20.8	23.1	28.2	40.7	930.3	6178.6	6998.7	7110.3
67.5°	13.0	16.2	18.5	20.8	25.5	36.1	685.0	5622.8	6528.0	6620.6
70°	11.6	14.3	16.7	18.5	22.2	30.5	415.6	4771.2	5877.3	5915.7
72.5°	11.1	13.0	15.3	16.7	19.4	26.8	210.6	3506.3	4698.5	4761.0
75°	9.7	11.6	13.9	14.8	17.1	23.1	85.6	2303.0	3404.9	3505.4
77.5°	7.9	10.6	12.5	13.4	14.8	19.0	43.5	1471.8	2389.5	2454.3
80°	2.8	7.9	10.6	11.1	12.5	13.9	28.7	805.8	1386.1	1413.9
82.5°	0.0	5.1	8.3	7.9	8.8	10.6	18.5	383.2	915.0	925.2
85°	0.0	2.3	6.5	5.1	3.7	7.4	6.5	83.8	479.9	499.8
87.5°	0.0	0.0	0.5	2.3	1.9	2.8	0.9	0.5	43.5	55.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)