

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: P324457

Luminaire Tested: **GAN-SA3D-730-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324457  
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-SA3D-730-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1200mA 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: 15991 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 191  
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

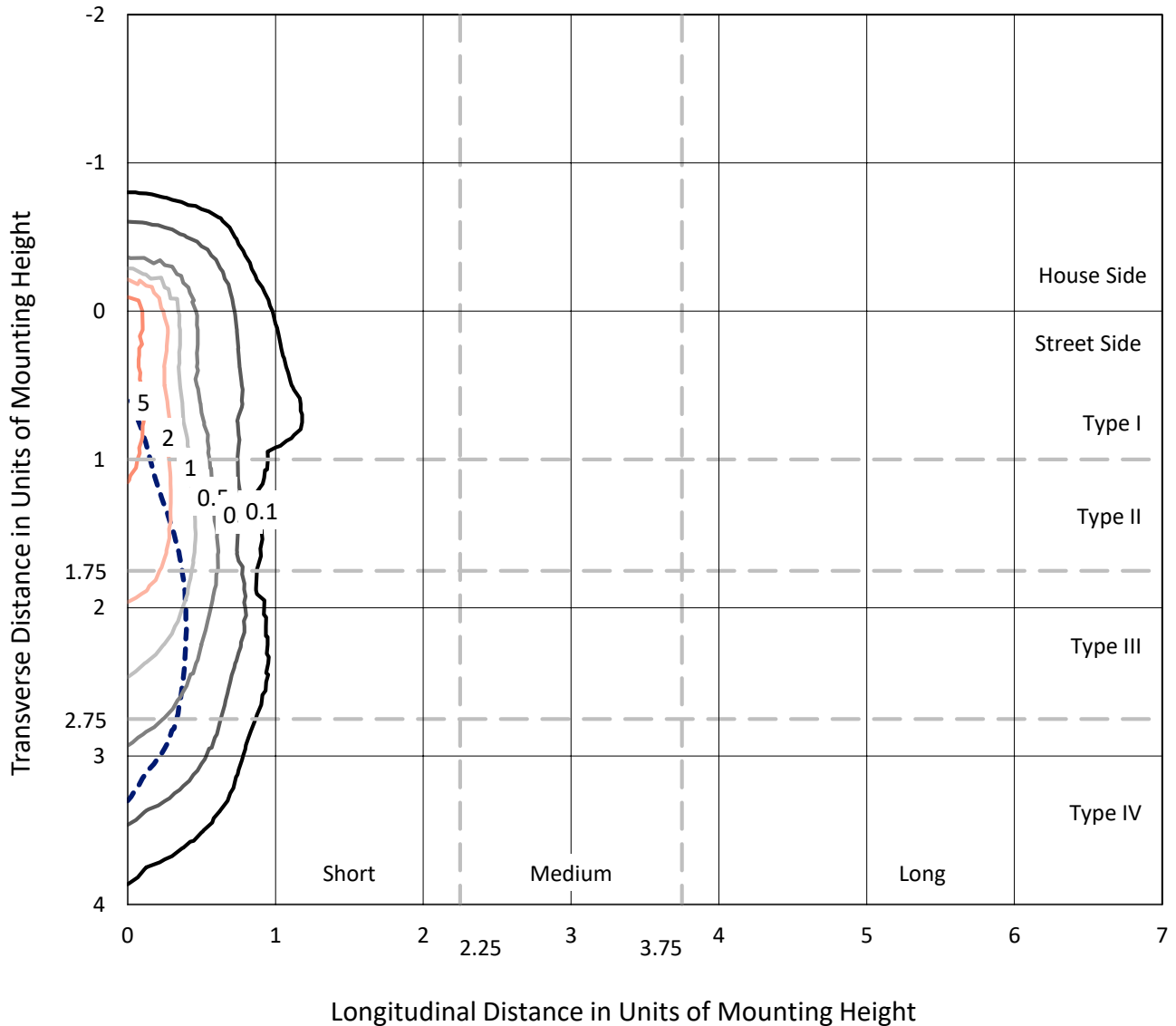




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### Iso-Footcandle Lines of Horizontal Illumination

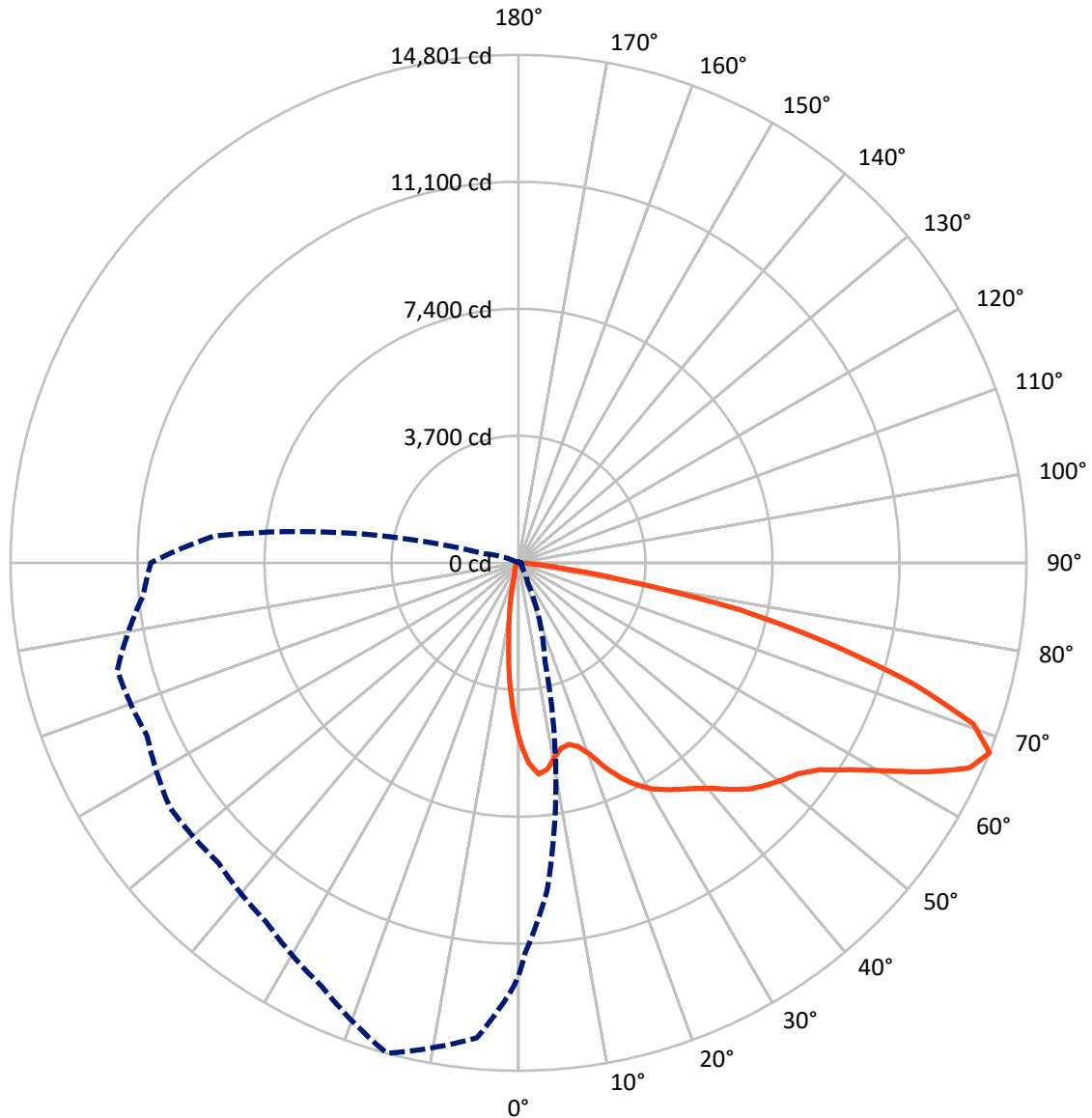
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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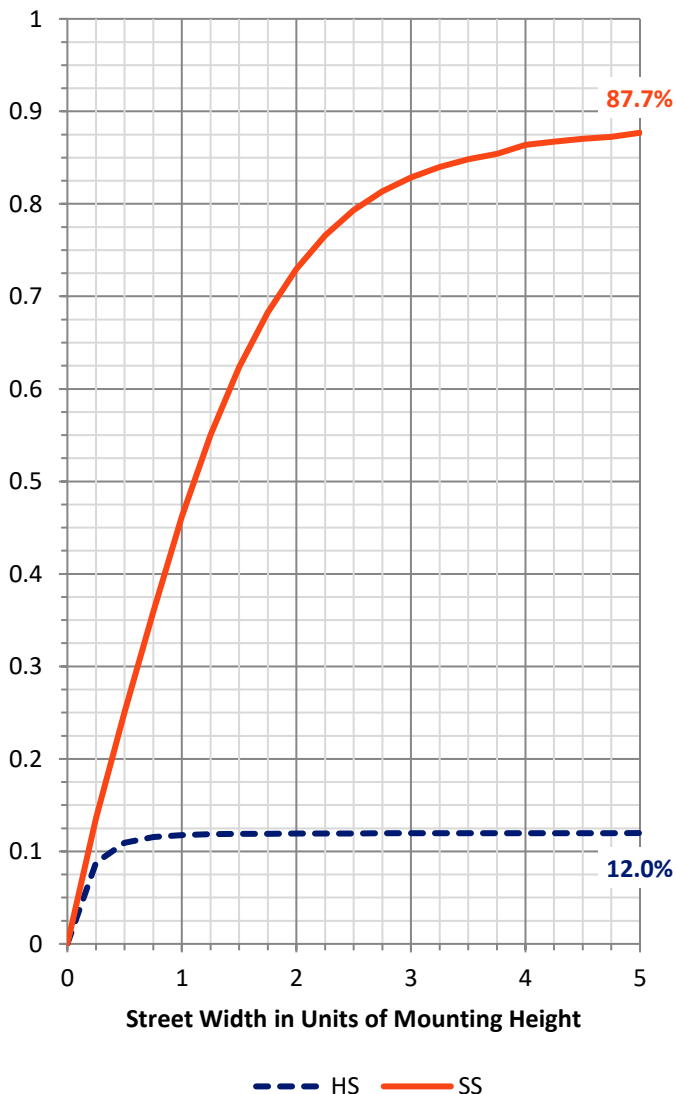
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1935.4	0.0	1935.4
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	14055.6	0.0	14055.6
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	15991.0	0.0	15991.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.8	2.5
10°-20°	795.8	5.0
20°-30°	1130.0	7.1
30°-40°	1669.1	10.4
40°-50°	2407.2	15.1
50°-60°	3379.2	21.1
60°-70°	3939.1	24.6
70°-80°	2013.8	12.6
80°-90°	257.2	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°	15991.0	100.0
0°-180°	15991.0	100.0

**Coefficient of Utilization**



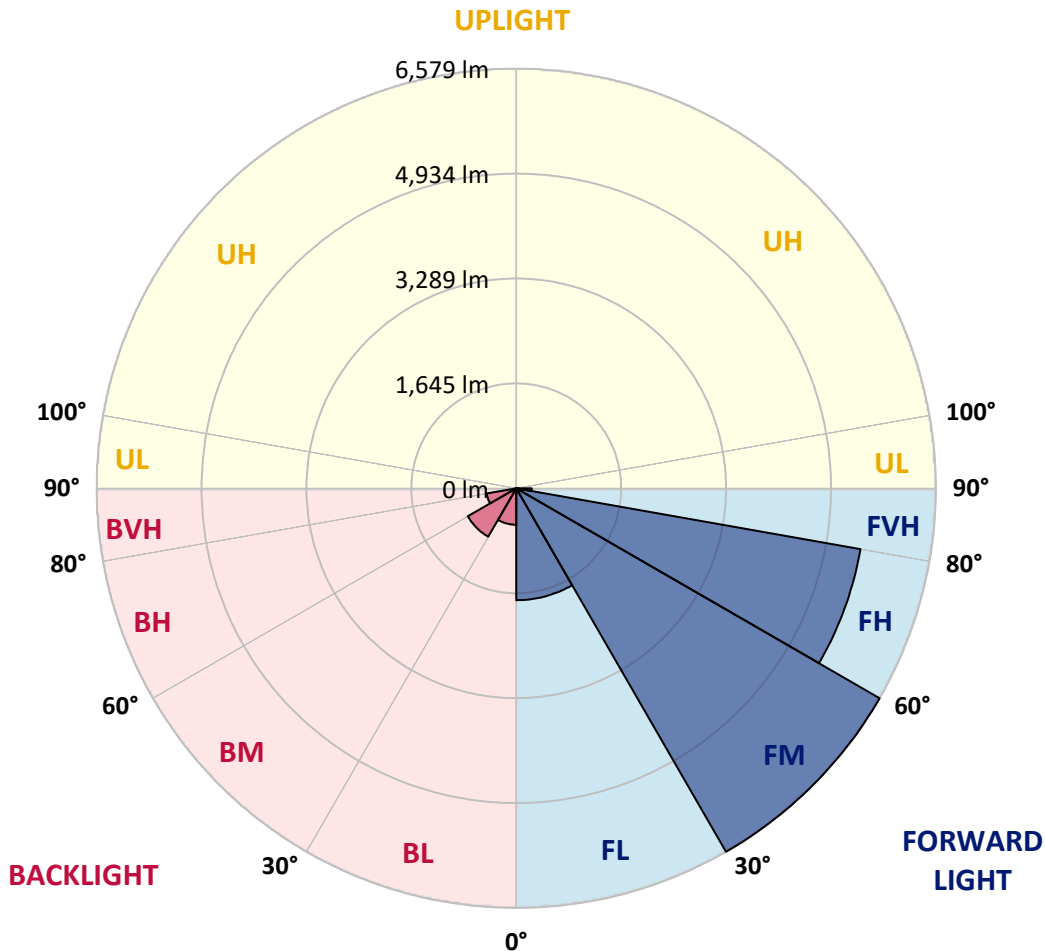
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1753.9	11.0			
FM (30°-60°)	6579.0	41.1			
FH (60°-80°)	5481.1	34.3			G3/7500
FVH (80°-90°)	241.6	1.5			G3/500
BL (0°-30°)	571.7	3.6	B2/1000		
BM (30°-60°)	876.4	5.5	B1/1000		
BH (60°-80°)	471.7	2.9	B1/500		G1/500
BVH (80°-90°)	15.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0
2.5°	5703.7	5659.8	5611.3	5453.0	5306.0	5137.8	5000.7	4905.3	4785.6	4630.3	4590.9
5°	5662.8	5615.9	5463.6	5111.3	4803.0	4503.0	4213.6	4043.9	3833.3	3619.7	3566.6
7.5°	5251.5	5202.2	4982.5	4500.0	4084.8	3651.5	3275.7	3043.2	2805.3	2609.8	2506.0
10°	4823.4	4769.6	4522.7	3937.1	3425.7	3034.1	2758.3	2536.3	2311.3	2102.3	1935.6
12.5°	4528.7	4458.3	4190.1	3526.5	3081.0	2815.1	2557.6	2291.6	1987.1	1762.9	1579.5
15°	4405.3	4325.0	4041.6	3368.1	2959.1	2646.9	2311.3	1984.8	1628.0	1371.2	1203.0
17.5°	4500.7	4396.2	4092.4	3357.5	2806.0	2381.0	1956.8	1573.5	1186.4	926.5	806.8
20°	4825.0	4687.8	4302.2	3354.5	2620.4	2065.1	1527.3	1093.9	781.8	628.8	565.9
22.5°	5335.6	5154.5	4603.7	3378.8	2428.8	1733.3	1103.0	743.2	587.1	507.6	470.4
25°	5952.2	5742.4	5037.8	3464.4	2260.6	1410.6	801.5	587.1	495.4	437.1	406.1
27.5°	6538.6	6368.1	5586.3	3587.8	2130.3	1150.0	650.8	497.7	423.5	384.8	359.8
30°	7124.2	6909.8	6149.2	3734.8	1973.5	973.5	572.0	453.8	379.5	338.6	322.7
32.5°	7549.9	7371.9	6590.1	3840.9	1806.0	858.3	511.4	415.1	354.5	312.9	289.4
35°	8050.7	7849.2	6968.1	3864.4	1698.5	785.6	459.8	373.5	307.6	270.5	245.5
37.5°	8591.6	8340.8	7404.5	3812.8	1614.4	750.0	421.2	354.5	287.1	249.2	222.7
40°	9190.1	8906.7	7823.4	3738.6	1531.8	737.9	391.7	340.1	271.2	232.6	205.3
42.5°	9820.4	9486.3	8186.3	3660.6	1479.5	696.2	388.6	325.8	259.1	217.4	190.1
45°	10349.9	10011.3	8559.0	3634.8	1442.4	650.8	401.5	315.9	250.8	205.3	178.8
47.5°	10771.9	10451.4	8940.8	3692.4	1421.2	609.1	365.9	328.8	246.2	194.7	168.9
50°	11275.6	10912.8	9478.7	3864.4	1390.1	567.4	331.1	376.5	246.2	187.9	160.6
52.5°	11907.5	11548.4	10078.7	4131.0	1328.0	509.8	297.7	377.3	248.5	178.8	150.0
55°	12702.1	12441.5	10935.5	4423.4	1228.8	425.0	257.6	324.2	239.4	162.1	140.2
57.5°	13464.3	13251.4	11716.5	4623.4	1096.2	331.8	224.2	261.4	218.9	142.4	125.0
59°	13672.6	13440.0	12002.9	4632.5	997.0	289.4	207.6	215.9	214.4	133.3	115.9
60°	13672.6	13425.6	12085.5	4584.0	925.0	265.9	197.0	192.4	223.5	127.3	110.6
62.5°	13424.9	13077.9	11817.3	4256.0	754.5	226.5	172.0	159.1	200.8	114.4	97.7
65°	12909.7	12404.4	10903.7	3662.8	672.7	207.6	148.5	130.3	139.4	100.8	85.6
67.5°	12050.6	11365.8	9586.3	2959.1	640.1	202.3	128.0	110.6	105.3	86.4	75.0
70°	10537.8	9777.9	7987.0	2326.5	612.1	200.0	107.6	93.2	84.8	72.7	63.6
72.5°	7669.6	6877.2	5670.4	1818.9	595.4	204.5	86.4	78.0	69.7	56.8	49.2
75°	4387.1	3868.1	3187.1	1201.5	507.6	195.5	66.7	65.2	50.0	40.9	34.1
77.5°	2266.6	2197.7	1909.8	461.4	243.2	85.6	43.9	37.9	29.5	25.0	20.5
80°	978.0	967.4	837.1	133.3	64.4	47.7	25.0	15.9	13.6	10.6	8.3
82.5°	337.9	337.9	297.7	44.7	28.8	23.5	3.0	0.0	0.0	0.0	0.0
85°	68.2	76.5	53.8	0.0	9.8	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°	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0
2.5°	4543.1	4451.5	4445.4	4387.8	4315.9	4283.3	4264.4	4297.7	4338.6	4343.1	4404.5
5°	3526.5	3430.3	3470.4	3368.1	3388.6	3368.1	3334.8	3340.9	3359.1	3302.2	3372.7
7.5°	2476.5	2403.8	2450.0	2422.7	2459.1	2473.5	2453.0	2422.7	2333.3	2322.7	2384.1
10°	1866.6	1784.1	1734.8	1683.3	1694.7	1718.2	1710.6	1688.6	1631.8	1634.8	1693.9
12.5°	1500.0	1407.6	1309.8	1183.3	1152.3	1169.7	1152.3	1139.4	1084.8	1089.4	1141.7
15°	1137.9	1062.1	959.8	858.3	803.0	808.3	759.8	725.8	691.7	650.8	682.6
17.5°	768.2	722.0	691.7	661.4	595.4	580.3	518.9	453.0	427.3	408.3	422.0
20°	543.9	518.9	506.8	505.3	467.4	448.5	388.6	347.7	334.8	331.1	339.4
22.5°	454.5	436.4	418.9	409.1	390.1	368.2	322.7	302.3	293.2	288.6	294.7
25°	395.5	381.8	363.6	347.0	339.4	315.9	283.3	268.2	262.1	257.6	260.6
27.5°	351.5	339.4	318.2	307.6	301.5	281.1	253.0	240.9	235.6	234.1	233.3
30°	316.7	305.3	285.6	273.5	262.9	244.7	228.0	215.9	210.6	209.1	207.6
32.5°	281.8	272.7	259.8	247.7	236.4	219.7	205.3	195.5	187.1	185.6	184.8
35°	237.9	228.8	222.0	221.2	210.6	194.7	184.1	171.2	164.4	162.1	162.9
37.5°	211.4	199.2	184.1	189.4	186.4	175.0	160.6	147.7	140.9	139.4	139.4
40°	194.7	181.8	164.4	155.3	164.4	162.1	139.4	126.5	119.7	118.9	117.4
42.5°	178.8	165.9	146.2	131.1	135.6	142.4	120.5	108.3	101.5	100.0	97.7
45°	167.4	153.8	131.8	114.4	105.3	119.7	103.0	87.9	84.1	81.1	79.5
47.5°	156.8	143.9	118.9	99.2	84.1	86.4	82.6	72.0	67.4	64.4	63.6
50°	147.7	134.1	107.6	84.8	69.7	63.6	66.7	56.8	53.0	50.0	48.5
52.5°	137.1	124.2	95.5	73.5	58.3	50.0	50.8	44.7	40.9	38.6	37.9
55°	128.8	115.9	85.6	64.4	51.5	40.9	36.4	34.8	32.6	31.1	30.3
57.5°	117.4	105.3	75.8	54.5	43.9	33.3	28.0	28.0	27.3	25.8	25.0
59°	110.6	100.0	69.7	49.2	40.2	28.8	25.0	25.8	25.0	23.5	22.7
60°	105.3	95.5	65.2	45.5	37.9	26.5	22.7	24.2	23.5	22.0	21.2
62.5°	93.2	86.4	56.1	37.9	33.3	21.2	18.9	20.5	20.5	19.7	18.9
65°	81.8	74.2	47.7	31.8	31.1	18.2	15.2	18.2	18.9	17.4	15.9
67.5°	71.2	63.6	41.7	25.8	28.8	14.4	11.4	15.2	20.5	15.9	14.4
70°	60.6	53.0	32.6	20.5	30.3	9.8	9.1	13.6	24.2	17.4	13.6
72.5°	47.0	40.9	22.7	15.2	32.6	6.8	6.8	11.4	27.3	18.9	12.9
75°	32.6	26.5	13.6	9.1	26.5	4.5	4.5	10.6	25.8	17.4	12.1
77.5°	18.9	14.4	4.5	0.8	13.6	0.0	0.8	7.6	18.2	10.6	5.3
80°	6.8	3.0	0.0	0.0	8.3	0.0	0.0	0.0	1.5	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°	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0
2.5°	4420.4	4522.7	4614.3	4753.0	4917.4	5106.8	5269.6	5444.6	5609.0	5677.2	5724.2
5°	3387.1	3513.6	3661.3	3865.1	4136.3	4470.4	4783.3	5137.1	5517.4	5707.5	5886.3
7.5°	2394.7	2523.5	2706.8	2923.5	3251.5	3649.2	4058.3	4546.9	5062.1	5362.8	5659.0
10°	1722.0	1880.3	2051.5	2347.7	2681.0	3058.3	3479.5	4025.0	4599.2	4932.5	5289.3
12.5°	1172.0	1352.3	1611.3	1943.2	2334.8	2704.5	3070.4	3590.9	4257.5	4587.8	4970.4
15°	703.0	803.0	1077.3	1461.3	1941.6	2402.2	2803.0	3325.0	4035.6	4440.1	4837.8
17.5°	433.3	479.5	628.8	943.9	1448.5	2031.0	2580.3	3234.8	4067.4	4559.8	4985.6
20°	345.5	363.6	411.4	557.6	959.8	1622.0	2329.5	3216.6	4327.2	4933.3	5390.1
22.5°	300.0	317.4	349.2	405.3	603.8	1214.4	2091.6	3233.3	4700.0	5493.1	6026.5
25°	264.4	279.5	309.8	356.1	442.4	855.3	1837.1	3307.5	5185.6	6187.8	6754.5
27.5°	236.4	249.2	277.3	319.7	379.5	597.0	1548.5	3397.7	5761.3	6898.4	7457.5
30°	210.6	222.0	247.0	286.4	329.5	459.1	1231.8	3459.1	6337.8	7457.5	7959.8
32.5°	188.6	197.0	219.7	253.0	286.4	365.9	936.4	3449.2	6765.8	7922.6	8321.1
35°	165.9	174.2	193.9	222.7	249.2	302.3	736.4	3265.1	7138.6	8405.2	8734.8
37.5°	140.9	151.5	170.5	196.2	214.4	265.9	595.4	3043.2	7516.6	8956.7	9196.1
40°	119.7	130.3	147.0	175.0	186.4	252.3	457.6	2772.7	7941.6	9573.4	9702.2
42.5°	99.2	109.1	126.5	150.8	175.8	217.4	338.6	2463.6	8349.9	10100.7	10163.5
45°	80.3	90.2	108.3	132.6	187.9	180.3	262.1	2132.6	8679.5	10539.3	10559.7
47.5°	63.6	72.7	91.7	125.0	175.0	143.9	187.1	1872.7	8956.0	10881.7	10827.9
50°	49.2	56.8	76.5	143.2	153.0	118.9	141.7	1786.3	9203.7	11093.8	10954.4
52.5°	38.6	45.5	62.9	134.1	118.9	98.5	118.9	1867.4	9543.1	11269.6	11025.6
55°	31.1	37.9	49.2	76.5	81.1	83.3	101.5	1943.2	10128.7	11681.7	11446.1
57.5°	25.8	32.6	40.2	53.8	61.4	70.5	90.2	1951.5	10818.8	12366.5	12143.8
59°	23.5	29.5	36.4	47.7	53.8	64.4	84.8	1906.0	11062.0	12615.8	12504.4
60°	22.0	28.0	34.1	43.9	50.0	60.6	81.8	1862.9	11072.6	12606.7	12658.2
62.5°	18.9	25.0	30.3	37.1	42.4	51.5	73.5	1703.0	10624.1	12193.8	12565.8
65°	16.7	22.0	27.3	31.8	36.4	46.2	66.7	1411.3	9858.2	11527.9	11933.2
67.5°	15.2	18.9	25.0	28.0	32.6	40.9	59.1	1006.1	8901.4	10713.5	10976.4
70°	13.6	18.2	22.7	25.8	29.5	35.6	50.8	578.0	7516.6	9521.1	9708.2
72.5°	12.9	17.4	20.5	24.2	26.5	31.8	46.2	272.0	5503.7	7627.2	8115.8
75°	11.4	15.9	18.9	22.7	25.0	28.8	39.4	130.3	3660.6	5519.6	6074.9
77.5°	6.8	12.9	17.4	20.5	22.0	25.0	32.6	75.0	2336.3	3820.4	4500.0
80°	0.0	4.5	12.9	17.4	18.9	21.2	25.0	59.1	1250.0	2182.6	2619.7
82.5°	0.0	0.0	9.1	13.6	12.9	14.4	18.9	37.1	563.6	1426.5	1607.6
85°	0.0	0.0	3.0	10.6	9.1	6.8	12.9	12.9	123.5	722.0	900.7
87.5°	0.0	0.0	0.0	0.8	4.5	3.0	5.3	1.5	0.8	53.8	218.2
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: P324457

CATALOG NUMBER: GAN-SA3D-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0	5209.0
2.5°	5888.6	5944.6	6039.3	6084.0	6062.1	5968.9	5857.5	5743.9	5677.2	5703.7
5°	6250.7	6539.3	6706.0	6761.3	6668.9	6459.8	6186.3	5825.7	5697.7	5662.8
7.5°	6250.7	6793.9	7137.8	7198.4	6992.4	6582.5	6069.6	5506.8	5319.6	5251.5
10°	6031.0	6770.4	7249.9	7346.1	7058.3	6445.4	5758.3	5115.9	4893.9	4823.4
12.5°	5783.3	6579.5	7084.8	7217.4	6981.0	6309.0	5542.4	4851.5	4590.1	4528.7
15°	5631.0	6344.6	6762.8	6859.0	6759.0	6229.5	5490.9	4771.9	4464.3	4405.3
17.5°	5685.5	6162.8	6313.6	6369.6	6437.1	6201.5	5631.0	4946.2	4556.8	4500.7
20°	5890.8	5971.2	5893.1	5963.6	6145.4	6228.7	5965.1	5367.4	4900.0	4825.0
22.5°	6239.3	5871.9	5653.0	5681.0	5902.2	6318.9	6475.7	5968.9	5429.5	5335.6
25°	6645.4	5952.2	5519.6	5494.6	5721.9	6437.8	6942.4	6623.4	6056.0	5952.2
27.5°	7156.0	6132.5	5492.4	5467.4	5659.0	6549.2	7330.2	7270.4	6715.8	6538.6
30°	7549.9	6309.8	5573.4	5515.9	5721.9	6626.4	7641.6	7819.6	7241.6	7124.2
32.5°	7832.5	6518.9	5705.2	5621.9	5899.2	6759.8	7881.7	8322.6	7728.0	7549.9
35°	8047.6	6746.1	5918.1	5781.0	6143.1	6962.1	8106.7	8858.2	8245.4	8050.7
37.5°	8249.2	7065.1	6250.7	6087.1	6525.7	7287.8	8344.6	9465.8	8824.2	8591.6
40°	8530.2	7426.4	6763.6	6618.1	7168.9	7731.7	8641.6	10099.1	9482.5	9190.1
42.5°	8811.3	7814.3	7288.6	7328.0	7971.1	8271.1	9024.9	10768.8	10132.5	9820.4
45°	9068.1	8214.3	8036.3	8218.1	8715.8	8862.8	9406.0	11155.9	10651.4	10349.9
47.5°	9296.9	8714.3	8779.5	9263.5	9562.8	9398.4	9690.8	11490.0	11037.8	10771.9
50°	9562.8	9361.3	9759.0	10443.8	10537.8	9883.2	9949.9	11885.5	11489.3	11275.6
52.5°	9853.7	10043.1	10843.8	11447.6	11417.3	10409.7	10210.5	12328.7	12108.2	11907.5
55°	10184.0	10593.8	11799.1	12387.0	12361.2	10997.6	10642.3	12876.4	12884.0	12702.1
57.5°	10674.1	11068.1	12447.6	13146.8	13190.0	11676.4	11374.1	13490.0	13585.5	13464.3
59°	11025.6	11375.6	12704.4	13464.3	13640.0	12201.4	11909.0	13846.1	13783.2	13672.6
60°	11286.3	11571.1	12831.7	13630.2	13901.4	12557.4	12303.7	14055.2	13806.7	13672.6
62.5°	11930.9	11996.8	13061.2	13818.0	14202.1	13348.4	13414.3	14411.2	13643.8	13424.9
65°	12231.7	12265.8	13058.2	13481.7	13911.2	13964.3	14421.8	14421.8	13246.1	12909.7
67.5°	12105.9	11941.5	12410.5	12366.5	12795.3	13598.3	14800.6	13893.0	12485.5	12050.6
70°	11083.2	10450.7	10242.3	10261.3	10589.3	11827.9	14050.6	12337.0	11046.1	10537.8
72.5°	9221.9	7704.5	7190.1	7777.2	7862.8	9090.1	11974.1	9290.8	8146.1	7669.6
75°	7417.3	5431.0	4594.7	5214.3	5359.8	6652.2	9262.8	5786.3	4758.3	4387.1
77.5°	5328.7	3898.4	3296.9	3253.8	3441.6	4218.9	6572.7	2912.1	2428.8	2266.6
80°	3027.2	2565.9	2762.9	2606.8	2701.5	2637.9	3122.7	1277.3	1046.2	978.0
82.5°	1827.3	1516.7	1642.4	1367.4	1730.3	1506.8	1203.0	409.1	355.3	337.9
85°	1188.6	828.8	431.8	289.4	596.2	962.9	268.9	111.4	85.6	68.2
87.5°	409.8	211.4	21.2	9.1	63.6	179.5	9.8	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)