

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: P324437

Luminaire Tested: **GAN-SA3B-730-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324437  
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-SA3B-730-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 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: 11779 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 124  
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

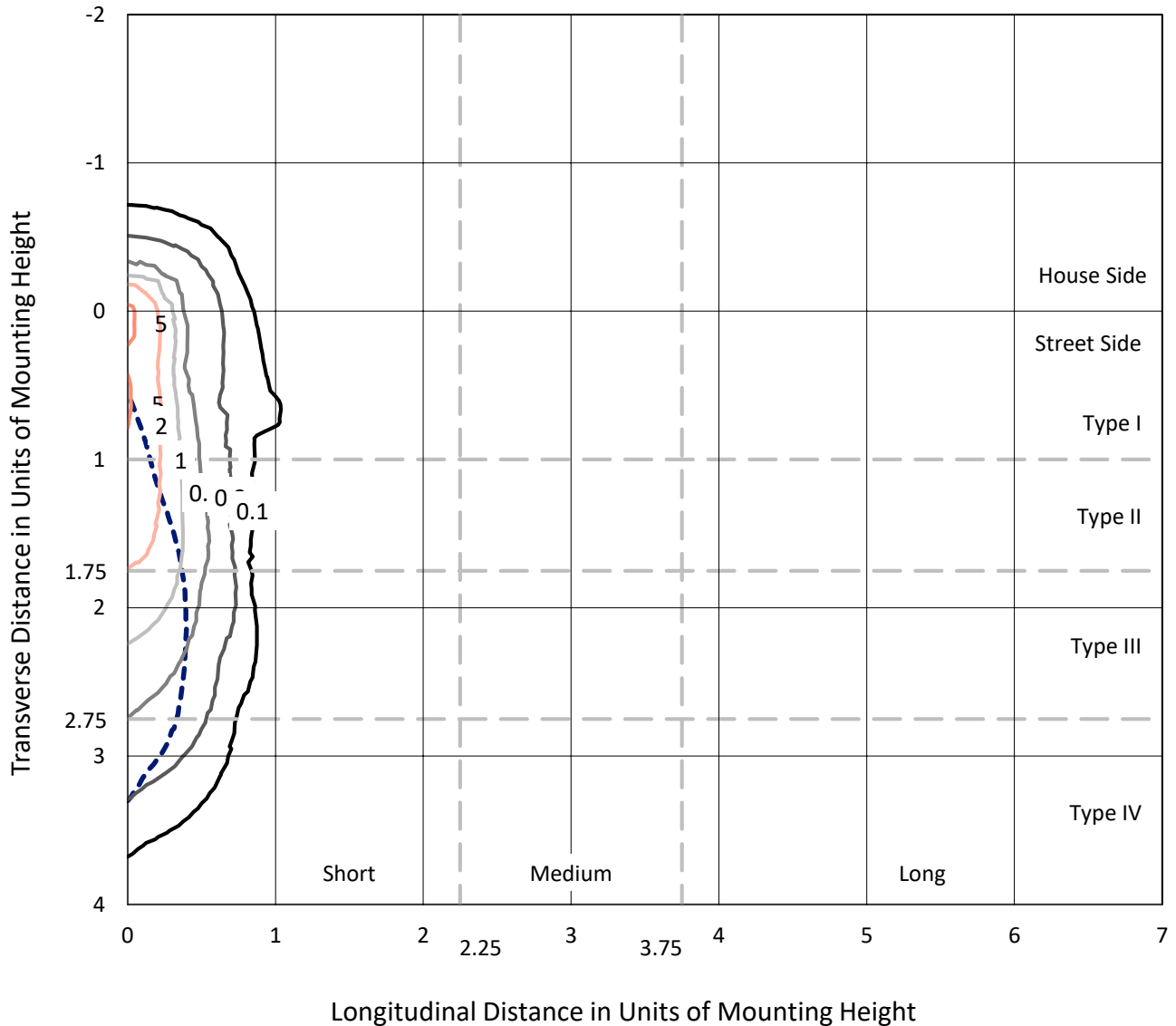




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### Iso-Footcandle Lines of Horizontal Illumination

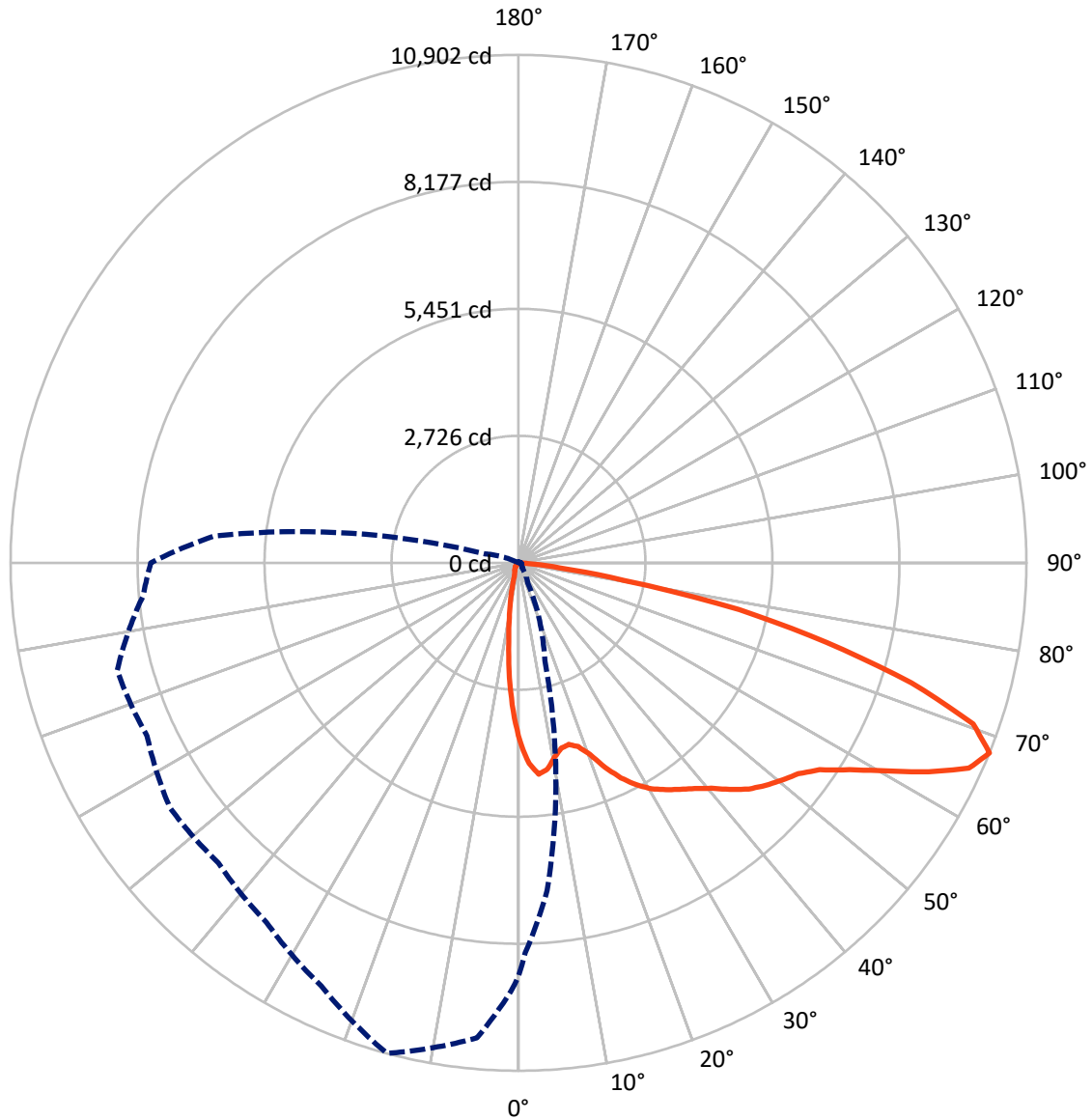
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	1425.6	0.0	1425.6
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	10353.4	0.0	10353.4
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	11779.0	0.0	11779.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.5	2.5
10°-20°	586.2	5.0
20°-30°	832.4	7.1
30°-40°	1229.4	10.4
40°-50°	1773.1	15.1
50°-60°	2489.1	21.1
60°-70°	2901.6	24.6
70°-80°	1483.3	12.6
80°-90°	189.4	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°	11779.0	100.0
0°-180°	11779.0	100.0

**Coefficient of Utilization**

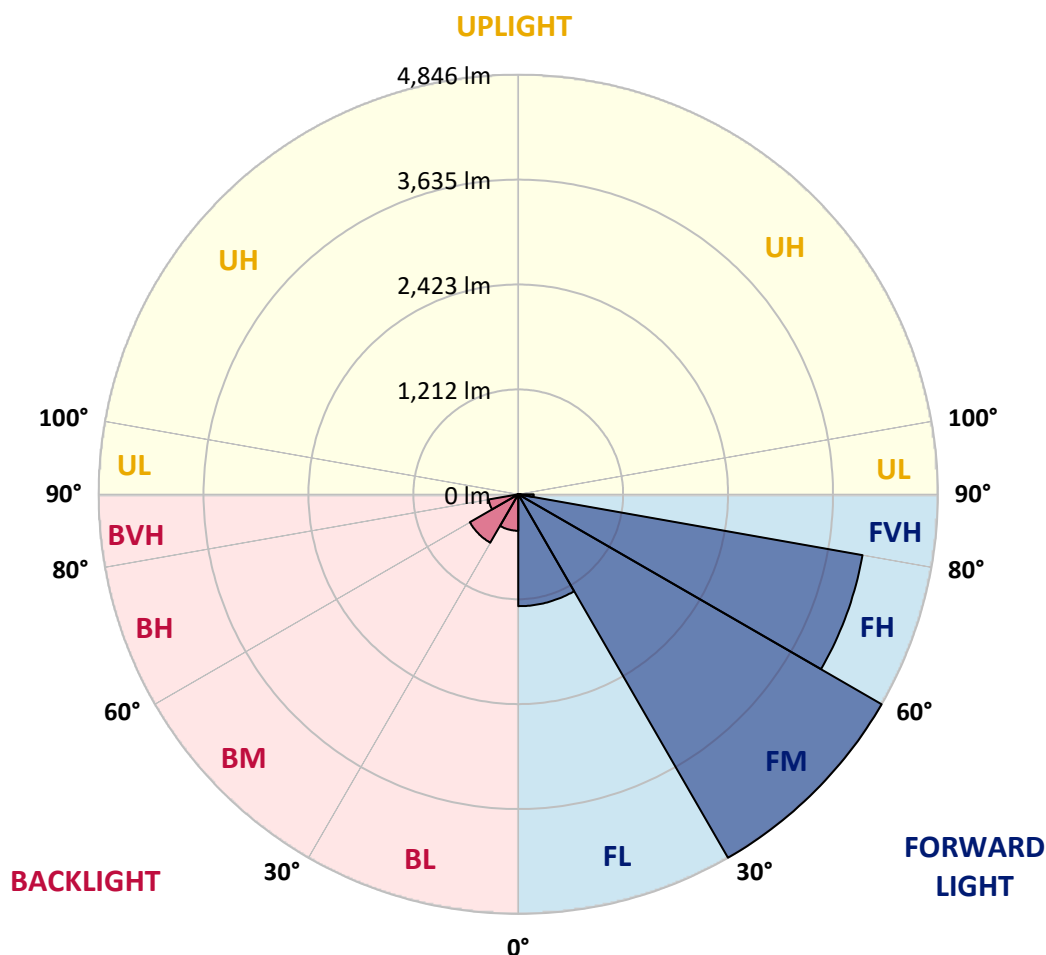


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1291.9	11.0			
FM (30°-60°)	4846.1	41.1			
FH (60°-80°)	4037.4	34.3			G2/5000
FVH (80°-90°)	177.9	1.5			G2/225
BL (0°-30°)	421.1	3.6	B1/500		
BM (30°-60°)	645.6	5.5	B1/1000		
BH (60°-80°)	347.5	2.9	B1/500		G1/500
BVH (80°-90°)	11.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0
2.5°	4201.4	4169.0	4133.3	4016.7	3908.4	3784.5	3683.5	3613.2	3525.1	3410.7	3381.6
5°	4171.2	4136.6	4024.5	3765.0	3537.9	3316.9	3103.7	2978.7	2823.6	2666.2	2627.2
7.5°	3868.2	3832.0	3670.1	3314.7	3008.9	2689.7	2412.9	2241.6	2066.4	1922.4	1846.0
10°	3553.0	3513.3	3331.4	2900.1	2523.4	2234.9	2031.8	1868.3	1702.5	1548.5	1425.8
12.5°	3335.9	3284.0	3086.4	2597.6	2269.5	2073.6	1883.9	1688.0	1463.7	1298.5	1163.5
15°	3244.9	3185.8	2977.1	2481.0	2179.6	1949.7	1702.5	1462.0	1199.2	1010.0	886.1
17.5°	3315.2	3238.2	3014.5	2473.2	2066.9	1753.9	1441.4	1159.0	873.9	682.5	594.3
20°	3554.1	3453.1	3169.0	2470.9	1930.2	1521.2	1125.0	805.8	575.9	463.2	416.8
22.5°	3930.2	3796.8	3391.1	2488.8	1789.0	1276.8	812.5	547.4	432.5	373.9	346.5
25°	4384.4	4229.8	3710.9	2551.9	1665.1	1039.0	590.4	432.5	364.9	322.0	299.1
27.5°	4816.3	4690.8	4114.9	2642.8	1569.2	847.1	479.3	366.6	311.9	283.5	265.1
30°	5247.7	5089.8	4529.5	2751.1	1453.7	717.1	421.3	334.3	279.6	249.4	237.7
32.5°	5561.3	5430.2	4854.3	2829.2	1330.3	632.2	376.7	305.8	261.2	230.5	213.2
35°	5930.1	5781.7	5132.7	2846.5	1251.1	578.7	338.7	275.1	226.6	199.2	180.8
37.5°	6328.6	6143.9	5454.1	2808.5	1189.2	552.4	310.3	261.2	211.5	183.6	164.1
40°	6769.4	6560.7	5762.7	2753.9	1128.3	543.5	288.5	250.6	199.8	171.3	151.2
42.5°	7233.7	6987.6	6030.0	2696.4	1089.8	512.8	286.3	240.0	190.8	160.2	140.1
45°	7623.8	7374.3	6304.6	2677.4	1062.5	479.3	295.8	232.7	184.7	151.2	131.7
47.5°	7934.6	7698.5	6585.8	2719.8	1046.9	448.7	269.5	242.2	181.4	143.4	124.4
50°	8305.7	8038.4	6982.0	2846.5	1024.0	418.0	243.9	277.3	181.4	138.4	118.3
52.5°	8771.1	8506.5	7424.0	3042.9	978.2	375.6	219.3	277.9	183.0	131.7	110.5
55°	9356.4	9164.5	8055.1	3258.3	905.1	313.1	189.7	238.8	176.3	119.4	103.2
57.5°	9917.8	9761.0	8630.4	3405.6	807.5	244.4	165.2	192.5	161.3	104.9	92.1
59°	10071.3	9899.9	8841.4	3412.3	734.4	213.2	152.9	159.0	157.9	98.2	85.4
60°	10071.3	9889.3	8902.2	3376.6	681.3	195.9	145.1	141.7	164.6	93.7	81.5
62.5°	9888.8	9633.2	8704.6	3135.0	555.8	166.8	126.7	117.2	147.9	84.3	72.0
65°	9509.3	9137.1	8031.7	2698.1	495.5	152.9	109.4	96.0	102.7	74.2	63.1
67.5°	8876.5	8372.1	7061.3	2179.6	471.5	149.0	94.3	81.5	77.6	63.6	55.2
70°	7762.1	7202.4	5883.3	1713.7	450.9	147.3	79.2	68.6	62.5	53.6	46.9
72.5°	5649.5	5065.8	4176.8	1339.8	438.6	150.7	63.6	57.5	51.3	41.9	36.3
75°	3231.5	2849.3	2347.6	885.0	373.9	144.0	49.1	48.0	36.8	30.1	25.1
77.5°	1669.6	1618.8	1406.8	339.8	179.1	63.1	32.4	27.9	21.8	18.4	15.1
80°	720.4	712.6	616.6	98.2	47.4	35.2	18.4	11.7	10.0	7.8	6.1
82.5°	248.9	248.9	219.3	32.9	21.2	17.3	2.2	0.0	0.0	0.0	0.0
85°	50.2	56.4	39.6	0.0	7.3	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°	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0
2.5°	3346.5	3279.0	3274.5	3232.1	3179.1	3155.1	3141.1	3165.7	3195.8	3199.2	3244.4
5°	2597.6	2526.7	2556.3	2481.0	2496.1	2481.0	2456.4	2460.9	2474.3	2432.4	2484.3
7.5°	1824.2	1770.6	1804.7	1784.6	1811.4	1822.0	1806.9	1784.6	1718.7	1710.9	1756.1
10°	1375.0	1314.2	1277.9	1239.9	1248.3	1265.6	1260.0	1243.8	1202.0	1204.2	1247.7
12.5°	1104.9	1036.8	964.8	871.6	848.8	861.6	848.8	839.3	799.1	802.4	840.9
15°	838.2	782.4	707.0	632.2	591.5	595.4	559.7	534.6	509.5	479.3	502.8
17.5°	565.8	531.8	509.5	487.2	438.6	427.4	382.2	333.7	314.7	300.8	310.8
20°	400.7	382.2	373.3	372.2	344.3	330.4	286.3	256.1	246.6	243.9	250.0
22.5°	334.8	321.4	308.6	301.3	287.4	271.2	237.7	222.7	216.0	212.6	217.1
25°	291.3	281.2	267.9	255.6	250.0	232.7	208.7	197.5	193.1	189.7	192.0
27.5°	258.9	250.0	234.4	226.6	222.1	207.0	186.4	177.5	173.5	172.4	171.9
30°	233.3	224.9	210.4	201.4	193.6	180.2	168.0	159.0	155.1	154.0	152.9
32.5°	207.6	200.9	191.4	182.5	174.1	161.8	151.2	144.0	137.8	136.7	136.2
35°	175.2	168.5	163.5	162.9	155.1	143.4	135.6	126.1	121.1	119.4	120.0
37.5°	155.7	146.8	135.6	139.5	137.3	128.9	118.3	108.8	103.8	102.7	102.7
40°	143.4	133.9	121.1	114.4	121.1	119.4	102.7	93.2	88.2	87.6	86.5
42.5°	131.7	122.2	107.7	96.5	99.9	104.9	88.7	79.8	74.8	73.7	72.0
45°	123.3	113.3	97.1	84.3	77.6	88.2	75.9	64.7	61.9	59.7	58.6
47.5°	115.5	106.0	87.6	73.1	61.9	63.6	60.8	53.0	49.7	47.4	46.9
50°	108.8	98.8	79.2	62.5	51.3	46.9	49.1	41.9	39.1	36.8	35.7
52.5°	101.0	91.5	70.3	54.1	43.0	36.8	37.4	32.9	30.1	28.5	27.9
55°	94.9	85.4	63.1	47.4	37.9	30.1	26.8	25.7	24.0	22.9	22.3
57.5°	86.5	77.6	55.8	40.2	32.4	24.6	20.6	20.6	20.1	19.0	18.4
59°	81.5	73.7	51.3	36.3	29.6	21.2	18.4	19.0	18.4	17.3	16.7
60°	77.6	70.3	48.0	33.5	27.9	19.5	16.7	17.9	17.3	16.2	15.6
62.5°	68.6	63.6	41.3	27.9	24.6	15.6	14.0	15.1	15.1	14.5	14.0
65°	60.3	54.7	35.2	23.4	22.9	13.4	11.2	13.4	14.0	12.8	11.7
67.5°	52.5	46.9	30.7	19.0	21.2	10.6	8.4	11.2	15.1	11.7	10.6
70°	44.6	39.1	24.0	15.1	22.3	7.3	6.7	10.0	17.9	12.8	10.0
72.5°	34.6	30.1	16.7	11.2	24.0	5.0	5.0	8.4	20.1	14.0	9.5
75°	24.0	19.5	10.0	6.7	19.5	3.3	3.3	7.8	19.0	12.8	8.9
77.5°	14.0	10.6	3.3	0.6	10.0	0.0	0.6	5.6	13.4	7.8	3.9
80°	5.0	2.2	0.0	0.0	6.1	0.0	0.0	0.0	1.1	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°	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0
2.5°	3256.1	3331.4	3398.9	3501.1	3622.1	3761.7	3881.6	4010.5	4131.6	4181.8	4216.4
5°	2494.9	2588.1	2696.9	2847.0	3046.8	3292.9	3523.4	3784.0	4064.1	4204.2	4335.9
7.5°	1763.9	1858.8	1993.8	2153.4	2395.0	2688.0	2989.3	3349.3	3728.7	3950.3	4168.5
10°	1268.4	1385.0	1511.1	1729.3	1974.9	2252.8	2563.0	2964.8	3387.8	3633.3	3896.1
12.5°	863.3	996.1	1186.9	1431.3	1719.8	1992.2	2261.7	2645.0	3136.1	3379.4	3661.2
15°	517.8	591.5	793.5	1076.4	1430.2	1769.5	2064.7	2449.2	2972.6	3270.6	3563.6
17.5°	319.2	353.2	463.2	695.3	1066.9	1496.1	1900.6	2382.8	2996.0	3358.8	3672.4
20°	254.5	267.9	303.0	410.7	707.0	1194.7	1715.9	2369.4	3187.4	3633.9	3970.4
22.5°	221.0	233.8	257.3	298.5	444.7	894.5	1540.7	2381.7	3462.0	4046.2	4439.1
25°	194.8	205.9	228.2	262.3	325.9	630.0	1353.2	2436.3	3819.7	4558.0	4975.4
27.5°	174.1	183.6	204.2	235.5	279.6	439.7	1140.6	2502.7	4243.8	5081.4	5493.2
30°	155.1	163.5	181.9	210.9	242.7	338.2	907.4	2547.9	4668.4	5493.2	5863.2
32.5°	138.9	145.1	161.8	186.4	210.9	269.5	689.7	2540.7	4983.7	5835.8	6129.4
35°	122.2	128.3	142.9	164.1	183.6	222.7	542.4	2405.1	5258.3	6191.3	6434.0
37.5°	103.8	111.6	125.6	144.5	157.9	195.9	438.6	2241.6	5536.7	6597.5	6773.9
40°	88.2	96.0	108.3	128.9	137.3	185.8	337.0	2042.4	5849.8	7051.8	7146.6
42.5°	73.1	80.4	93.2	111.0	129.5	160.2	249.4	1814.7	6150.6	7440.2	7486.5
45°	59.2	66.4	79.8	97.7	138.4	132.8	193.1	1570.8	6393.3	7763.3	7778.3
47.5°	46.9	53.6	67.5	92.1	128.9	106.0	137.8	1379.4	6597.0	8015.5	7975.9
50°	36.3	41.9	56.4	105.5	112.7	87.6	104.4	1315.8	6779.5	8171.7	8069.1
52.5°	28.5	33.5	46.3	98.8	87.6	72.5	87.6	1375.5	7029.5	8301.2	8121.5
55°	22.9	27.9	36.3	56.4	59.7	61.4	74.8	1431.3	7460.8	8604.8	8431.2
57.5°	19.0	24.0	29.6	39.6	45.2	51.9	66.4	1437.5	7969.2	9109.2	8945.2
59°	17.3	21.8	26.8	35.2	39.6	47.4	62.5	1404.0	8148.3	9292.8	9210.8
60°	16.2	20.6	25.1	32.4	36.8	44.6	60.3	1372.2	8156.1	9286.1	9324.1
62.5°	14.0	18.4	22.3	27.3	31.2	37.9	54.1	1254.4	7825.8	8982.0	9256.0
65°	12.3	16.2	20.1	23.4	26.8	34.0	49.1	1039.6	7261.6	8491.5	8790.0
67.5°	11.2	14.0	18.4	20.6	24.0	30.1	43.5	741.1	6556.8	7891.6	8085.2
70°	10.0	13.4	16.7	19.0	21.8	26.2	37.4	425.8	5536.7	7013.3	7151.1
72.5°	9.5	12.8	15.1	17.9	19.5	23.4	34.0	200.3	4054.1	5618.2	5978.1
75°	8.4	11.7	14.0	16.7	18.4	21.2	29.0	96.0	2696.4	4065.8	4474.8
77.5°	5.0	9.5	12.8	15.1	16.2	18.4	24.0	55.2	1721.0	2814.1	3314.7
80°	0.0	3.3	9.5	12.8	14.0	15.6	18.4	43.5	920.7	1607.7	1929.7
82.5°	0.0	0.0	6.7	10.0	9.5	10.6	14.0	27.3	415.2	1050.8	1184.1
85°	0.0	0.0	2.2	7.8	6.7	5.0	9.5	9.5	91.0	531.8	663.5
87.5°	0.0	0.0	0.0	0.6	3.3	2.2	3.9	1.1	0.6	39.6	160.7
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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 CATALOG NUMBER: GAN-SA3B-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0	3837.0
2.5°	4337.5	4378.8	4448.6	4481.5	4465.3	4396.7	4314.7	4231.0	4181.8	4201.4
5°	4604.3	4816.9	4939.6	4980.4	4912.3	4758.3	4556.8	4291.2	4196.9	4171.2
7.5°	4604.3	5004.4	5257.7	5302.4	5150.6	4848.7	4470.9	4056.3	3918.5	3868.2
10°	4442.4	4987.1	5340.3	5411.2	5199.1	4747.7	4241.6	3768.4	3604.8	3553.0
12.5°	4260.0	4846.5	5218.7	5316.3	5142.2	4647.2	4082.5	3573.6	3381.1	3335.9
15°	4147.8	4673.5	4981.5	5052.4	4978.7	4588.6	4044.6	3515.0	3288.4	3244.9
17.5°	4188.0	4539.5	4650.6	4691.9	4741.5	4568.0	4147.8	3643.4	3356.5	3315.2
20°	4339.2	4398.4	4340.9	4392.8	4526.7	4588.1	4393.9	3953.6	3609.3	3554.1
22.5°	4595.9	4325.3	4164.0	4184.6	4347.6	4654.5	4770.0	4396.7	3999.4	3930.2
25°	4895.0	4384.4	4065.8	4047.4	4214.8	4742.1	5113.8	4878.8	4460.9	4384.4
27.5°	5271.1	4517.2	4045.7	4027.3	4168.5	4824.1	5399.5	5355.4	4946.9	4816.3
30°	5561.3	4647.8	4105.4	4063.0	4214.8	4881.1	5628.8	5759.9	5334.2	5247.7
32.5°	5769.4	4801.8	4202.5	4141.1	4345.3	4979.3	5805.7	6130.5	5692.4	5561.3
35°	5927.9	4969.2	4359.3	4258.3	4525.0	5128.3	5971.4	6525.0	6073.6	5930.1
37.5°	6076.3	5204.2	4604.3	4483.7	4806.8	5368.2	6146.7	6972.5	6499.9	6328.6
40°	6283.4	5470.3	4982.1	4874.9	5280.6	5695.2	6365.4	7439.0	6984.8	6769.4
42.5°	6490.4	5756.0	5368.8	5397.8	5871.6	6092.5	6647.8	7932.3	7463.6	7233.7
45°	6679.6	6050.7	5919.5	6053.5	6420.1	6528.3	6928.5	8217.5	7845.8	7623.8
47.5°	6848.1	6419.0	6467.0	6823.5	7044.0	6922.9	7138.3	8463.6	8130.4	7934.6
50°	7044.0	6895.5	7188.5	7692.9	7762.1	7280.0	7329.1	8754.9	8463.0	8305.7
52.5°	7258.2	7397.8	7987.6	8432.3	8410.0	7667.8	7521.1	9081.3	8918.9	8771.1
55°	7501.5	7803.4	8691.3	9124.3	9105.3	8100.9	7839.2	9484.8	9490.3	9356.4
57.5°	7862.6	8152.8	9168.9	9684.0	9715.8	8600.9	8378.2	9936.8	10007.1	9917.8
59°	8121.5	8379.3	9358.1	9917.8	10047.3	8987.6	8772.2	10199.0	10152.7	10071.3
60°	8313.5	8523.3	9451.8	10040.0	10239.8	9249.8	9062.9	10353.1	10170.0	10071.3
62.5°	8788.4	8836.9	9620.9	10178.4	10461.3	9832.4	9881.0	10615.3	10050.0	9888.8
65°	9009.9	9035.0	9618.7	9930.6	10247.0	10286.1	10623.1	10623.1	9757.1	9509.3
67.5°	8917.3	8796.2	9141.6	9109.2	9425.1	10016.6	10902.2	10233.6	9196.8	8876.5
70°	8163.9	7698.0	7544.5	7558.5	7800.1	8712.5	10349.7	9087.5	8136.6	7762.1
72.5°	6792.9	5675.1	5296.2	5728.7	5791.8	6695.8	8820.2	6843.6	6000.5	5649.5
75°	5463.6	4000.5	3384.4	3840.9	3948.0	4900.0	6823.0	4262.2	3505.0	3231.5
77.5°	3925.2	2871.6	2428.5	2396.7	2535.1	3107.6	4841.4	2145.1	1789.0	1669.6
80°	2229.9	1890.0	2035.1	1920.2	1989.9	1943.0	2300.2	940.8	770.6	720.4
82.5°	1346.0	1117.2	1209.8	1007.2	1274.5	1109.9	886.1	301.3	261.7	248.9
85°	875.5	610.5	318.1	213.2	439.2	709.3	198.1	82.0	63.1	50.2
87.5°	301.9	155.7	15.6	6.7	46.9	132.3	7.3	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)