

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: P324432

Luminaire Tested: **GAN-SA8A-730-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324432
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-SA8A-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA 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: 25214 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G4

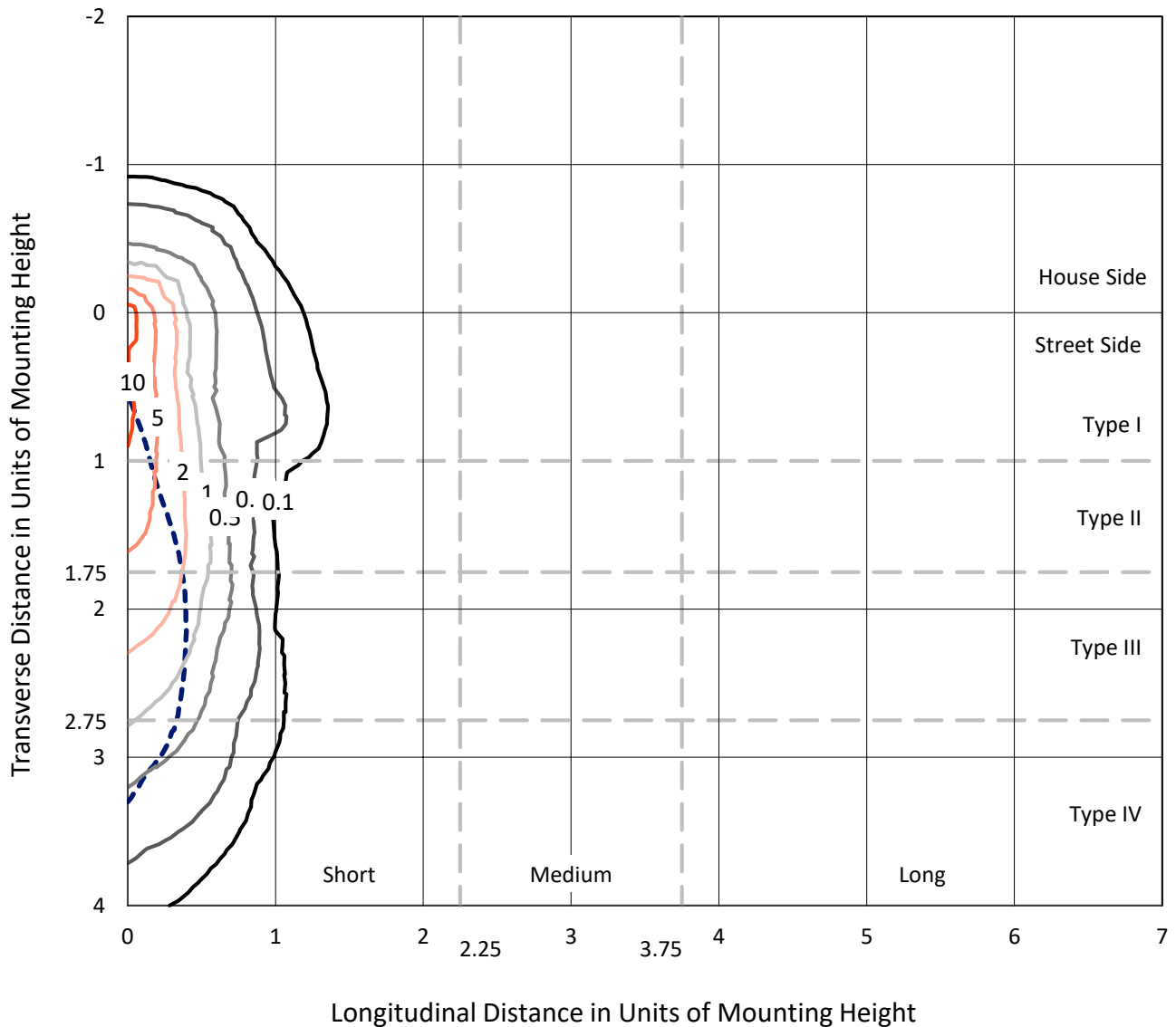
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

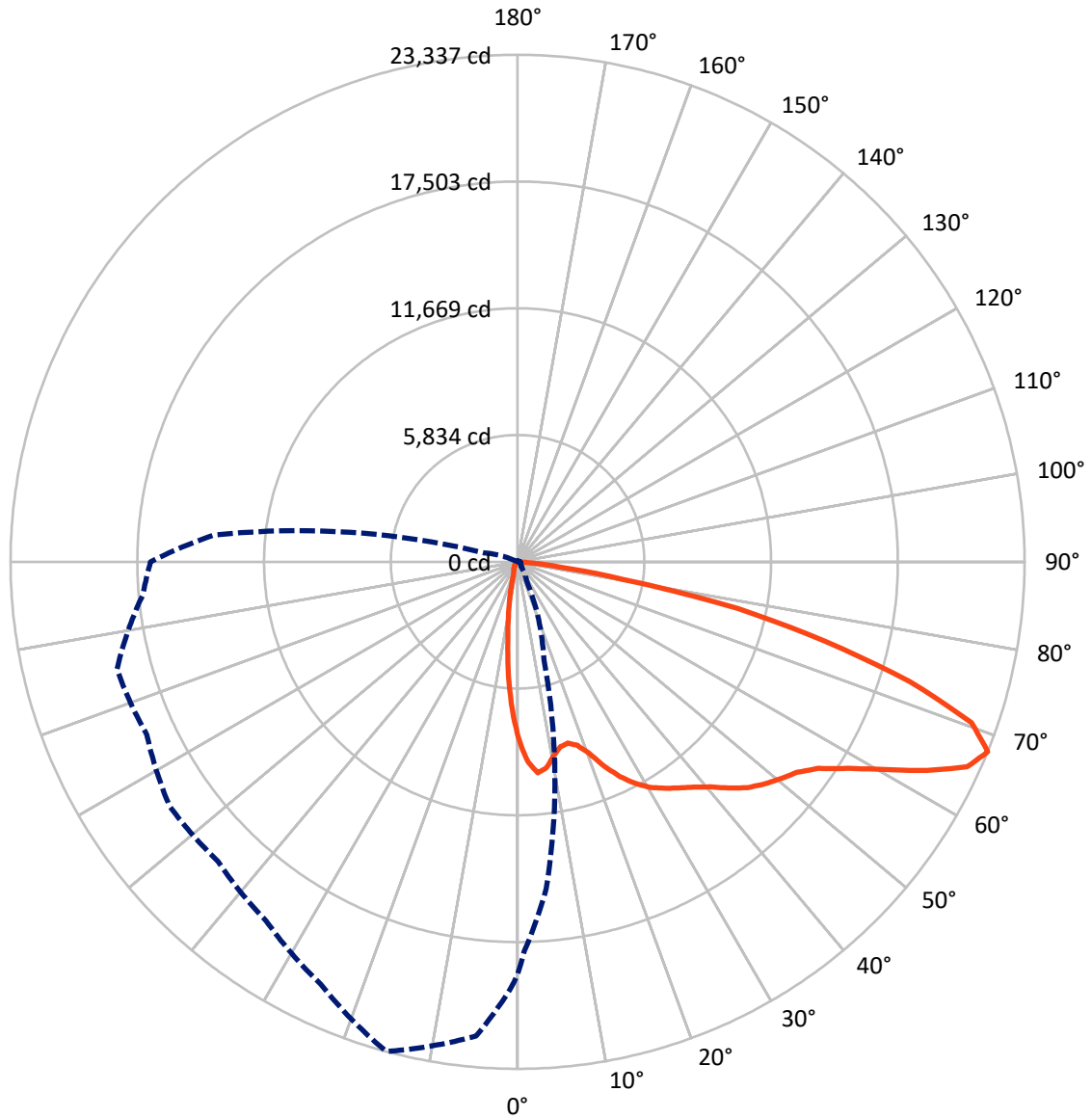
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 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
House Side	Lumens	3051.7	0.0	3051.7
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	22162.3	0.0	22162.3
	% Fixture	87.9	0.0	87.9
Total	Lumens	25214.0	0.0	25214.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	630.4	2.5
10°-20°	1254.7	5.0
20°-30°	1781.7	7.1
30°-40°	2631.7	10.4
40°-50°	3795.5	15.1
50°-60°	5328.1	21.1
60°-70°	6211.1	24.6
70°-80°	3175.2	12.6
80°-90°	405.5	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°	25214.0	100.0
0°-180°	25214.0	100.0

Coefficient of Utilization

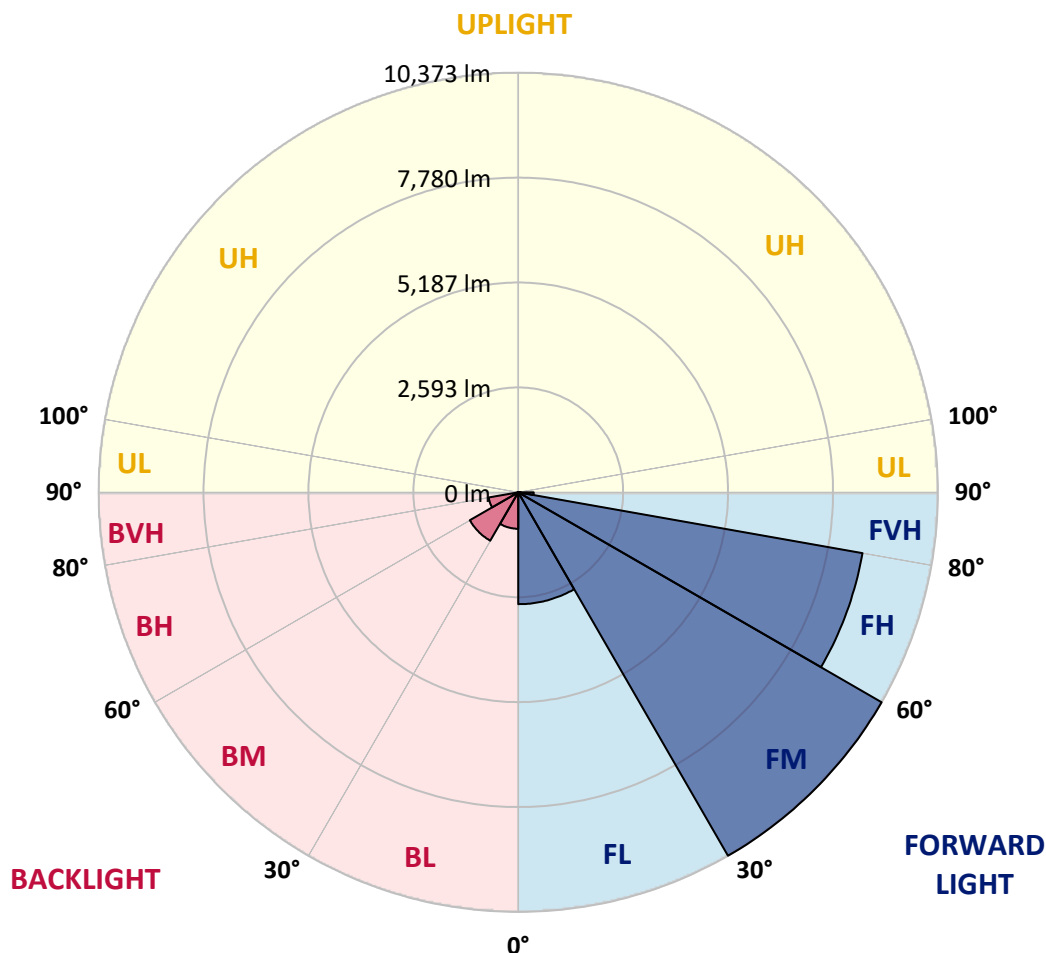


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2765.5	11.0			
FM (30°-60°)	10373.4	41.1			
FH (60°-80°)	8642.5	34.3			G4/12000
FVH (80°-90°)	380.9	1.5			G3/500
BL (0°-30°)	901.4	3.6	B2/1000		
BM (30°-60°)	1381.9	5.5	B2/2500		
BH (60°-80°)	743.8	2.9	B2/1000		G2/1000
BVH (80°-90°)	24.6	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-G4
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4
2.5°	8993.4	8924.1	8847.7	8598.0	8366.3	8101.1	7884.9	7734.4	7545.7	7300.8	7238.7
5°	8928.9	8854.9	8614.8	8059.3	7573.2	7100.1	6643.8	6376.3	6044.2	5707.3	5623.7
7.5°	8280.3	8202.7	7856.3	7095.4	6440.8	5757.5	5165.0	4798.3	4423.3	4115.1	3951.4
10°	7605.4	7520.6	7131.2	6207.8	5401.5	4784.0	4349.2	3999.2	3644.4	3314.8	3052.0
12.5°	7140.7	7029.7	6606.8	5560.4	4858.1	4438.8	4032.6	3613.4	3133.2	2779.6	2490.5
15°	6946.0	6819.4	6372.7	5310.8	4665.7	4173.6	3644.4	3129.6	2567.0	2162.1	1896.9
17.5°	7096.6	6931.7	6452.7	5294.0	4424.4	3754.3	3085.4	2481.0	1870.6	1460.9	1272.1
20°	7607.8	7391.6	6783.6	5289.3	4131.8	3256.2	2408.1	1724.9	1232.7	991.4	892.3
22.5°	8412.9	8127.4	7259.0	5327.5	3829.6	2733.0	1739.2	1171.8	925.7	800.3	741.8
25°	9385.2	9054.3	7943.5	5462.5	3564.4	2224.2	1263.8	925.7	781.2	689.2	640.3
27.5°	10309.8	10041.0	8808.3	5657.2	3358.9	1813.3	1026.1	784.8	667.7	606.8	567.4
30°	11233.1	10895.1	9695.8	5888.9	3111.7	1534.9	901.9	715.5	598.4	533.9	508.9
32.5°	11904.4	11623.7	10391.0	6056.1	2847.7	1353.4	806.3	654.6	559.0	493.3	456.3
35°	12694.0	12376.3	10987.1	6093.2	2678.1	1238.7	725.1	588.9	485.0	426.4	387.0
37.5°	13546.9	13151.5	11675.1	6011.9	2545.5	1182.6	664.1	559.0	452.7	393.0	351.2
40°	14490.5	14043.8	12335.6	5894.9	2415.3	1163.4	617.6	536.3	427.6	366.7	323.7
42.5°	15484.4	14957.6	12907.8	5771.8	2332.9	1097.7	612.8	513.6	408.5	342.8	299.8
45°	16319.3	15785.4	13495.5	5731.2	2274.3	1026.1	633.1	498.1	395.4	323.7	281.9
47.5°	16984.7	16479.4	14097.5	5822.0	2240.9	960.4	576.9	518.4	388.2	307.0	266.4
50°	17779.0	17206.8	14945.6	6093.2	2191.9	894.7	522.0	593.7	388.2	296.2	253.2
52.5°	18775.2	18209.0	15891.7	6513.6	2094.0	803.9	469.4	594.9	391.8	281.9	236.5
55°	20028.3	19617.3	17242.7	6974.7	1937.5	670.1	406.1	511.2	377.5	255.6	221.0
57.5°	21229.9	20894.3	18474.2	7290.1	1728.4	523.2	353.6	412.1	345.2	224.6	197.1
59°	21558.4	21191.7	18925.7	7304.4	1572.0	456.3	327.3	340.4	338.0	210.2	182.8
60°	21558.4	21169.0	19055.9	7227.9	1458.5	419.3	310.6	303.4	352.4	200.7	174.4
62.5°	21167.8	20620.7	18633.1	6710.7	1189.7	357.2	271.2	250.8	316.5	180.4	154.1
65°	20355.6	19558.8	17192.5	5775.4	1060.7	327.3	234.1	205.5	219.8	158.9	135.0
67.5°	19001.0	17921.2	15115.3	4665.7	1009.4	318.9	201.9	174.4	166.0	136.2	118.3
70°	16615.6	15417.5	12593.7	3668.3	965.2	315.3	169.6	146.9	133.8	114.7	100.3
72.5°	12093.2	10843.7	8940.9	2868.0	938.9	322.5	136.2	123.0	109.9	89.6	77.6
75°	6917.4	6099.1	5025.3	1894.5	800.3	308.2	105.1	102.7	78.8	64.5	53.8
77.5°	3574.0	3465.3	3011.3	727.5	383.4	135.0	69.3	59.7	46.6	39.4	32.3
80°	1542.1	1525.4	1319.9	210.2	101.5	75.3	39.4	25.1	21.5	16.7	13.1
82.5°	532.7	532.7	469.4	70.5	45.4	37.0	4.8	0.0	0.0	0.0	0.0
85°	107.5	120.6	84.8	0.0	15.5	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°	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4
2.5°	7163.4	7018.9	7009.4	6918.6	6805.1	6753.7	6723.9	6776.4	6840.9	6848.1	6944.8
5°	5560.4	5408.7	5472.0	5310.8	5343.0	5310.8	5258.2	5267.8	5296.4	5206.8	5317.9
7.5°	3904.8	3790.2	3863.0	3820.0	3877.4	3900.1	3867.8	3820.0	3679.1	3662.4	3759.1
10°	2943.3	2813.1	2735.4	2654.2	2672.1	2709.1	2697.2	2662.6	2573.0	2577.7	2670.9
12.5°	2365.1	2219.4	2065.3	1865.8	1816.8	1844.3	1816.8	1796.5	1710.5	1717.7	1800.1
15°	1794.1	1674.7	1513.4	1353.4	1266.2	1274.5	1198.1	1144.3	1090.6	1026.1	1076.2
17.5°	1211.2	1138.4	1090.6	1042.8	938.9	915.0	818.2	714.3	673.7	643.8	665.3
20°	857.7	818.2	799.1	796.7	737.0	707.1	612.8	548.3	528.0	522.0	535.1
22.5°	716.7	688.0	660.6	645.0	615.2	580.5	508.9	476.6	462.3	455.1	464.7
25°	623.5	602.0	573.4	547.1	535.1	498.1	446.7	422.9	413.3	406.1	410.9
27.5°	554.3	535.1	501.7	485.0	475.4	443.2	399.0	379.9	371.5	369.1	367.9
30°	499.3	481.4	450.3	431.2	414.5	385.8	359.5	340.4	332.1	329.7	327.3
32.5°	444.4	430.0	409.7	390.6	372.7	346.4	323.7	308.2	295.0	292.7	291.5
35°	375.1	360.7	350.0	348.8	332.1	307.0	290.3	270.0	259.2	255.6	256.8
37.5°	333.3	314.2	290.3	298.6	293.8	275.9	253.2	232.9	222.2	219.8	219.8
40°	307.0	286.7	259.2	244.9	259.2	255.6	219.8	199.5	188.7	187.5	185.1
42.5°	281.9	261.6	230.5	206.6	213.8	224.6	189.9	170.8	160.1	157.7	154.1
45°	264.0	242.5	207.8	180.4	166.0	188.7	162.5	138.6	132.6	127.8	125.4
47.5°	247.3	227.0	187.5	156.5	132.6	136.2	130.2	113.5	106.3	101.5	100.3
50°	232.9	211.4	169.6	133.8	109.9	100.3	105.1	89.6	83.6	78.8	76.4
52.5°	216.2	195.9	150.5	115.9	92.0	78.8	80.0	70.5	64.5	60.9	59.7
55°	203.1	182.8	135.0	101.5	81.2	64.5	57.3	54.9	51.4	49.0	47.8
57.5°	185.1	166.0	119.5	86.0	69.3	52.6	44.2	44.2	43.0	40.6	39.4
59°	174.4	157.7	109.9	77.6	63.3	45.4	39.4	40.6	39.4	37.0	35.8
60°	166.0	150.5	102.7	71.7	59.7	41.8	35.8	38.2	37.0	34.6	33.4
62.5°	146.9	136.2	88.4	59.7	52.6	33.4	29.9	32.3	32.3	31.1	29.9
65°	129.0	117.1	75.3	50.2	49.0	28.7	23.9	28.7	29.9	27.5	25.1
67.5°	112.3	100.3	65.7	40.6	45.4	22.7	17.9	23.9	32.3	25.1	22.7
70°	95.6	83.6	51.4	32.3	47.8	15.5	14.3	21.5	38.2	27.5	21.5
72.5°	74.1	64.5	35.8	23.9	51.4	10.8	10.8	17.9	43.0	29.9	20.3
75°	51.4	41.8	21.5	14.3	41.8	7.2	7.2	16.7	40.6	27.5	19.1
77.5°	29.9	22.7	7.2	1.2	21.5	0.0	1.2	11.9	28.7	16.7	8.4
80°	10.8	4.8	0.0	0.0	13.1	0.0	0.0	0.0	2.4	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°	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4
2.5°	6969.9	7131.2	7275.7	7494.3	7753.5	8052.2	8309.0	8584.9	8844.1	8951.6	9025.7
5°	5340.6	5540.1	5773.0	6094.4	6522.0	7048.8	7542.1	8099.9	8699.6	8999.4	9281.3
7.5°	3775.8	3978.9	4268.0	4609.6	5126.8	5753.9	6399.0	7169.4	7981.7	8455.9	8922.9
10°	2715.1	2964.8	3234.7	3701.8	4227.4	4822.2	5486.4	6346.4	7251.8	7777.4	8340.0
12.5°	1847.9	2132.2	2540.7	3063.9	3681.5	4264.4	4841.3	5662.0	6713.1	7233.9	7837.1
15°	1108.5	1266.2	1698.6	2304.2	3061.5	3787.8	4419.7	5242.7	6363.1	7001.0	7628.1
17.5°	683.3	756.1	991.4	1488.4	2283.9	3202.5	4068.5	5100.5	6413.3	7189.7	7861.0
20°	544.7	573.4	648.6	879.2	1513.4	2557.4	3673.1	5071.9	6823.0	7778.6	8498.9
22.5°	473.0	500.5	550.7	639.1	952.0	1914.8	3298.0	5098.1	7410.7	8661.4	9502.3
25°	416.9	440.8	488.6	561.4	697.6	1348.6	2896.7	5215.2	8176.4	9756.7	10650.2
27.5°	372.7	393.0	437.2	504.1	598.4	941.3	2441.6	5357.4	9084.2	10877.2	11758.7
30°	332.1	350.0	389.4	451.5	519.6	723.9	1942.3	5454.1	9993.2	11758.7	12550.7
32.5°	297.4	310.6	346.4	399.0	451.5	576.9	1476.4	5438.6	10668.1	12492.1	13120.4
35°	261.6	274.7	305.8	351.2	393.0	476.6	1161.1	5148.3	11255.8	13253.0	13772.6
37.5°	222.2	238.9	268.8	309.4	338.0	419.3	938.9	4798.3	11851.9	14122.6	14500.1
40°	188.7	205.5	231.7	275.9	293.8	397.8	721.5	4371.9	12522.0	15095.0	15298.0
42.5°	156.5	172.0	199.5	237.7	277.1	342.8	533.9	3884.5	13165.8	15926.3	16025.5
45°	126.6	142.1	170.8	209.0	296.2	284.3	413.3	3362.5	13685.4	16617.9	16650.2
47.5°	100.3	114.7	144.5	197.1	275.9	227.0	295.0	2952.8	14121.4	17157.9	17073.1
50°	77.6	89.6	120.6	225.8	241.3	187.5	223.4	2816.6	14512.0	17492.3	17272.5
52.5°	60.9	71.7	99.1	211.4	187.5	155.3	187.5	2944.5	15047.2	17769.5	17384.8
55°	49.0	59.7	77.6	120.6	127.8	131.4	160.1	3063.9	15970.5	18419.3	18047.8
57.5°	40.6	51.4	63.3	84.8	96.8	111.1	142.1	3077.0	17058.7	19499.1	19147.9
59°	37.0	46.6	57.3	75.3	84.8	101.5	133.8	3005.4	17442.2	19892.1	19716.5
60°	34.6	44.2	53.8	69.3	78.8	95.6	129.0	2937.3	17458.9	19877.8	19959.0
62.5°	29.9	39.4	47.8	58.5	66.9	81.2	115.9	2685.2	16751.7	19226.7	19813.2
65°	26.3	34.6	43.0	50.2	57.3	72.9	105.1	2225.4	15544.1	18176.8	18815.8
67.5°	23.9	29.9	39.4	44.2	51.4	64.5	93.2	1586.3	14035.4	16892.7	17307.2
70°	21.5	28.7	35.8	40.6	46.6	56.1	80.0	911.4	11851.9	15012.5	15307.6
72.5°	20.3	27.5	32.3	38.2	41.8	50.2	72.9	428.8	8678.1	12026.3	12796.7
75°	17.9	25.1	29.9	35.8	39.4	45.4	62.1	205.5	5771.8	8703.2	9578.7
77.5°	10.8	20.3	27.5	32.3	34.6	39.4	51.4	118.3	3683.9	6023.9	7095.4
80°	0.0	7.2	20.3	27.5	29.9	33.4	39.4	93.2	1970.9	3441.4	4130.6
82.5°	0.0	0.0	14.3	21.5	20.3	22.7	29.9	58.5	888.7	2249.3	2534.7
85°	0.0	0.0	4.8	16.7	14.3	10.8	20.3	20.3	194.7	1138.4	1420.3
87.5°	0.0	0.0	0.0	1.2	7.2	4.8	8.4	2.4	1.2	84.8	344.0
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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 CATALOG NUMBER: GAN-SA8A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4	8213.4
2.5°	9284.9	9373.3	9522.6	9593.1	9558.4	9411.5	9235.9	9056.7	8951.6	8993.4
5°	9855.9	10311.0	10573.8	10661.0	10515.2	10185.5	9754.3	9185.7	8983.9	8928.9
7.5°	9855.9	10712.3	11254.6	11350.2	11025.3	10379.1	9570.4	8682.9	8387.8	8280.3
10°	9509.5	10675.3	11431.4	11583.1	11129.2	10162.8	9079.4	8066.5	7716.5	7605.4
12.5°	9118.8	10374.3	11171.0	11380.0	11007.4	9947.8	8739.0	7649.6	7237.5	7140.7
15°	8878.8	10004.0	10663.3	10815.0	10657.4	9822.4	8657.8	7524.2	7039.2	6946.0
17.5°	8964.8	9717.3	9955.0	10043.4	10149.7	9778.2	8878.8	7798.9	7184.9	7096.6
20°	9288.5	9415.1	9292.1	9403.1	9689.8	9821.2	9405.5	8463.1	7726.1	7607.8
22.5°	9837.9	9258.6	8913.4	8957.6	9306.4	9963.4	10210.6	9411.5	8561.0	8412.9
25°	10478.2	9385.2	8703.2	8663.7	9022.1	10150.9	10946.4	10443.6	9548.9	9385.2
27.5°	11283.3	9669.5	8660.2	8620.7	8922.9	10326.5	11558.0	11463.7	10589.3	10309.8
30°	11904.4	9949.0	8788.0	8697.2	9022.1	10448.3	12049.0	12329.7	11418.3	11233.1
32.5°	12350.0	10278.7	8995.8	8864.4	9301.6	10658.6	12427.6	13122.8	12185.1	11904.4
35°	12689.2	10637.1	9331.5	9115.3	9686.2	10977.5	12782.4	13967.3	13001.0	12694.0
37.5°	13007.0	11140.0	9855.9	9597.8	10289.5	11491.1	13157.5	14925.3	13913.6	13546.9
40°	13450.1	11709.7	10664.5	10435.2	11303.6	12191.1	13625.7	15923.9	14951.6	14490.5
42.5°	13893.3	12321.3	11492.3	11554.4	12568.6	13041.6	14230.1	16979.9	15976.5	15484.4
45°	14298.2	12952.0	12671.3	12958.0	13742.8	13974.5	14831.0	17590.3	16794.7	16319.3
47.5°	14659.0	13740.4	13843.1	14606.4	15078.2	14819.0	15280.1	18117.1	17403.9	16984.7
50°	15078.2	14760.5	15387.6	16467.4	16615.6	15583.5	15688.6	18740.6	18115.9	17779.0
52.5°	15536.9	15835.5	17098.1	18050.2	18002.4	16413.7	16099.5	19439.4	19091.8	18775.2
55°	16057.7	16704.0	18604.4	19531.3	19490.7	17340.6	16780.4	20303.0	20314.9	20028.3
57.5°	16830.6	17451.7	19626.9	20729.4	20797.5	18410.9	17934.3	21270.5	21421.1	21229.9
59°	17384.8	17936.7	20031.8	21229.9	21507.1	19238.7	18777.6	21832.0	21732.8	21558.4
60°	17795.7	18244.9	20232.5	21491.5	21919.2	19800.1	19399.9	22161.6	21769.8	21558.4
62.5°	18812.3	18916.2	20594.5	21787.8	22393.4	21047.2	21151.1	22723.1	21513.0	21167.8
65°	19286.5	19340.2	20589.7	21257.4	21934.7	22018.3	22739.8	22739.8	20885.9	20355.6
67.5°	19088.2	18829.0	19568.4	19499.1	20175.2	21441.4	23337.0	21906.0	19686.6	19001.0
70°	17475.6	16478.2	16149.7	16179.6	16696.8	18649.8	22154.5	19452.5	17417.1	16615.6
72.5°	14540.7	12148.1	11337.0	12262.8	12397.8	14332.9	18880.3	14649.4	12844.5	12093.2
75°	11695.4	8563.4	7244.7	8221.8	8451.1	10488.9	14605.2	9123.6	7502.7	6917.4
77.5°	8402.1	6146.9	5198.5	5130.4	5426.6	6652.2	10363.5	4591.7	3829.6	3574.0
80°	4773.2	4045.8	4356.4	4110.3	4259.6	4159.3	4923.7	2013.9	1649.6	1542.1
82.5°	2881.1	2391.4	2589.7	2156.1	2728.2	2375.9	1896.9	645.0	560.2	532.7
85°	1874.2	1306.8	680.9	456.3	940.1	1518.2	424.0	175.6	135.0	107.5
87.5°	646.2	333.3	33.4	14.3	100.3	283.1	15.5	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)