

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: P324112

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324112
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-SA8A-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA 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: 25216 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

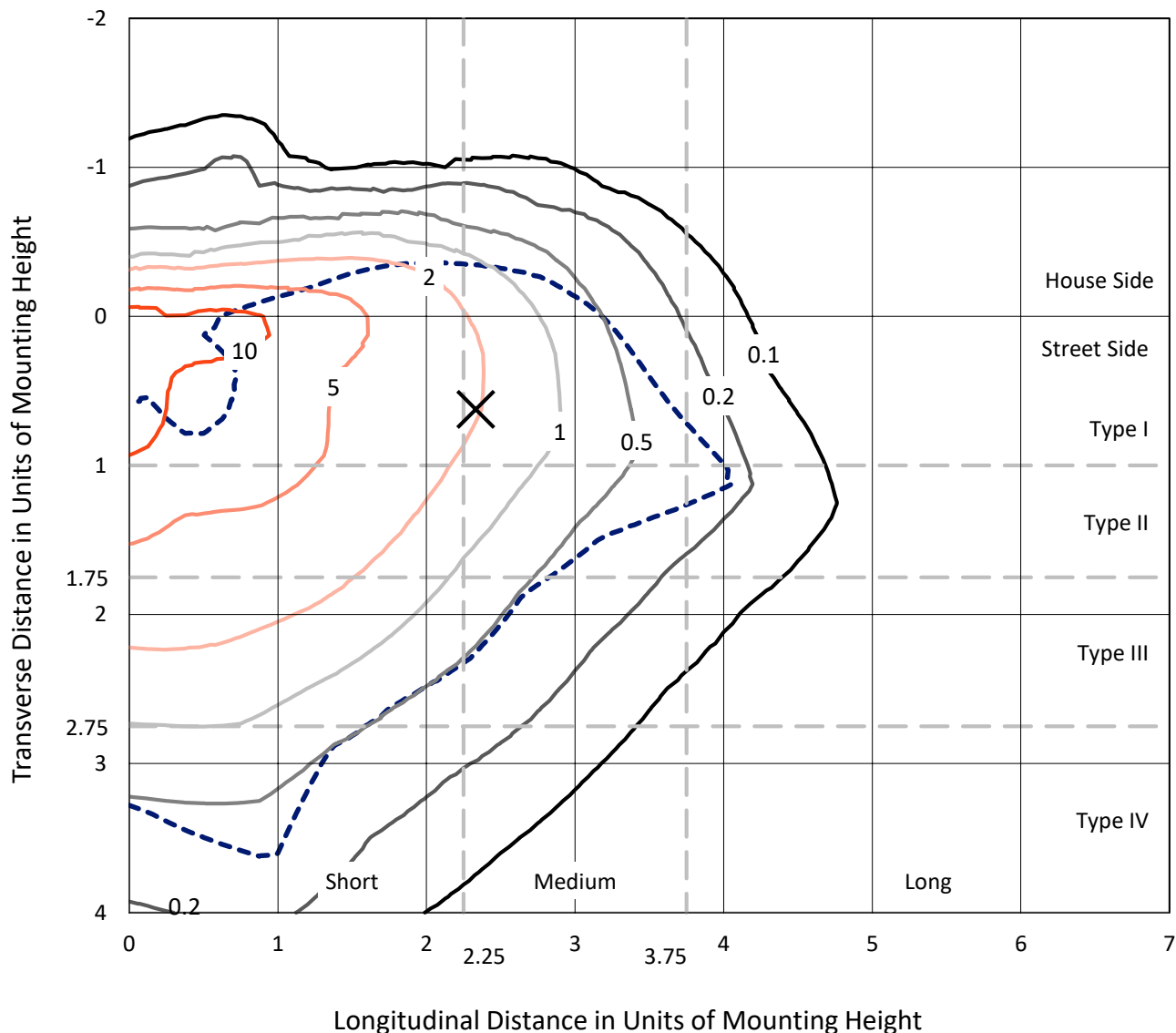
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

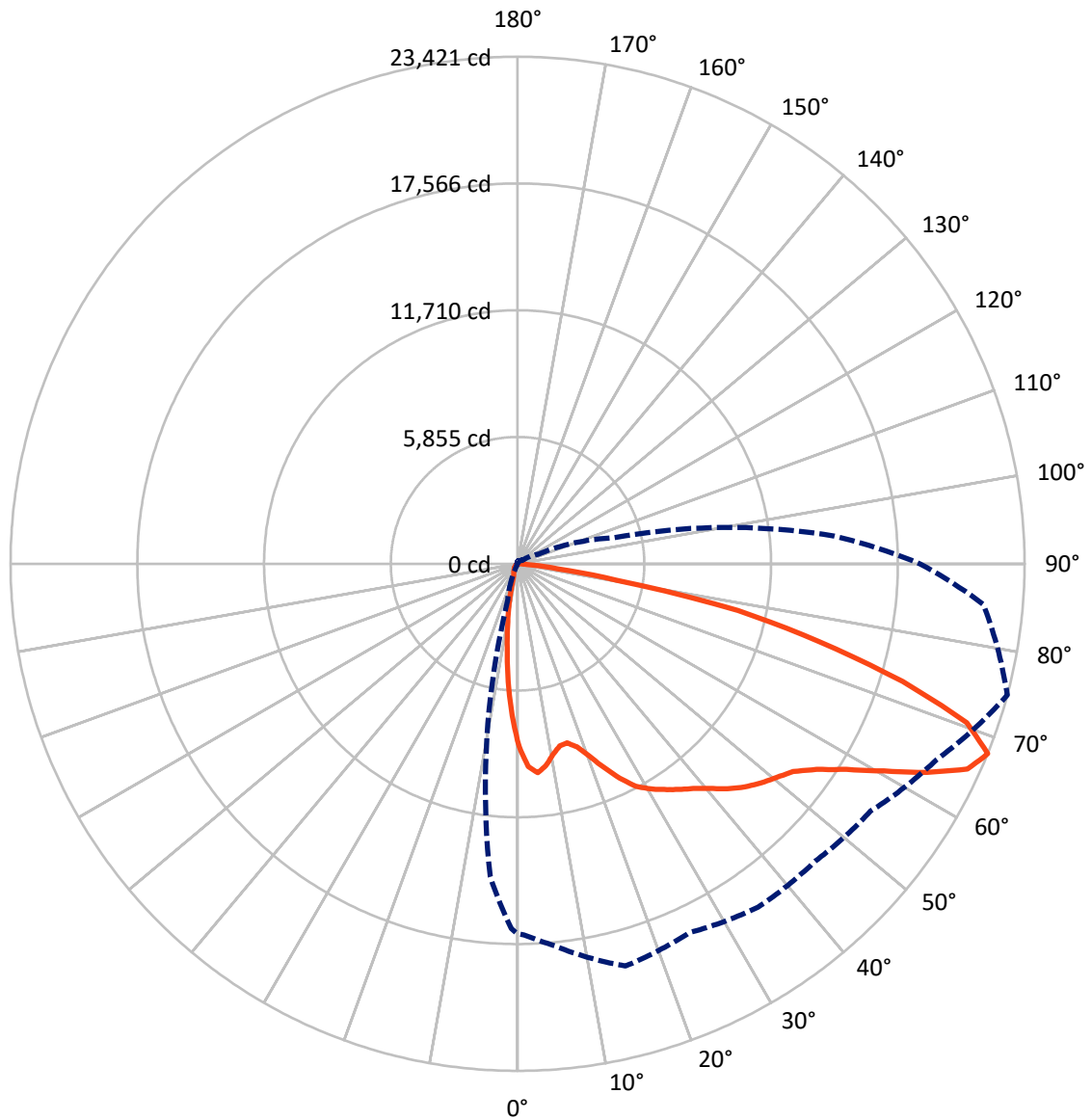
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.5 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
House Side	Lumens	3783.9	0.0	3783.9
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	21432.1	0.0	21432.1
	% Fixture	85.0	0.0	85.0
Total	Lumens	25216.0	0.0	25216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.7	2.5
10°-20°	1263.5	5.0
20°-30°	1787.5	7.1
30°-40°	2628.1	10.4
40°-50°	3777.5	15.0
50°-60°	5317.7	21.1
60°-70°	6210.6	24.6
70°-80°	3168.4	12.6
80°-90°	420.9	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°	25216.0	100.0
0°-180°	25216.0	100.0

Coefficient of Utilization

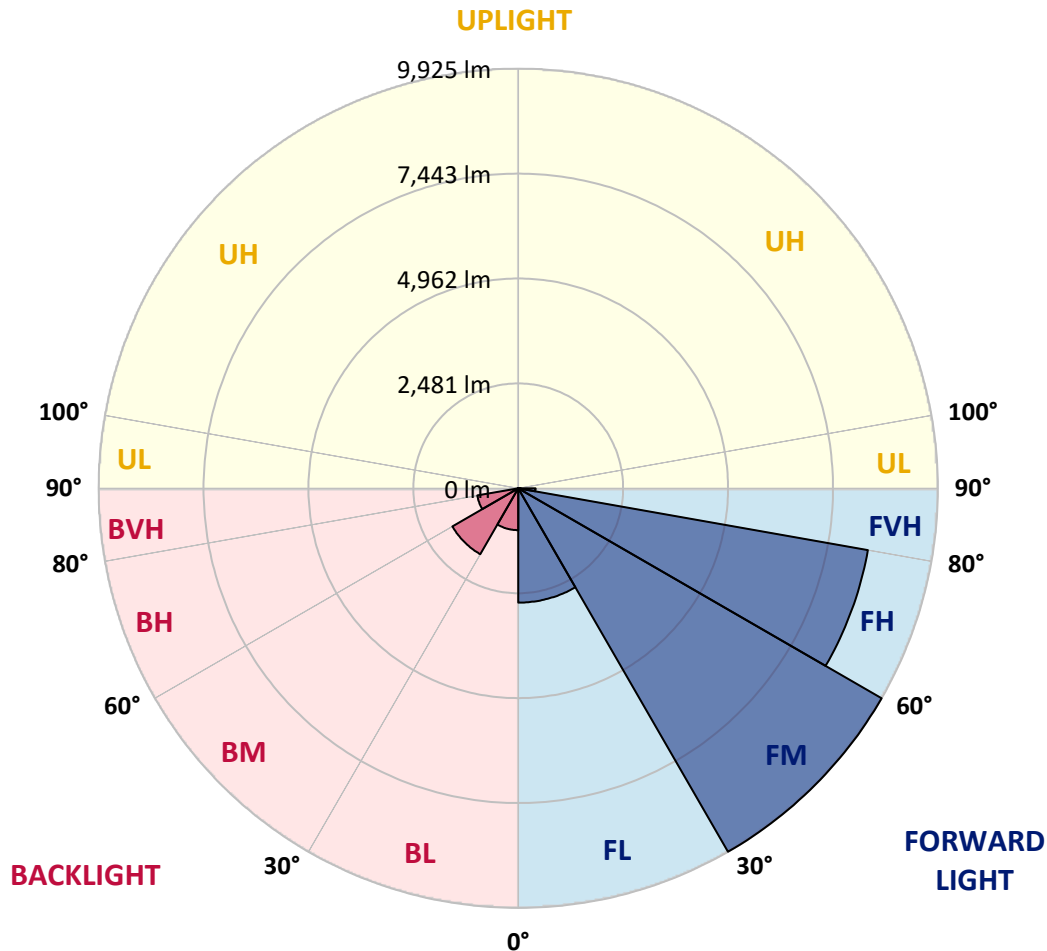


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2703.2	10.7			
FM (30°-60°)	9924.6	39.4			
FH (60°-80°)	8396.2	33.3			G4/12000
FVH (80°-90°)	408.1	1.6			G3/500
BL (0°-30°)	989.5	3.9	B2/1000		
BM (30°-60°)	1798.8	7.1	B2/2500		
BH (60°-80°)	982.9	3.9	B2/1000		G2/1000
BVH (80°-90°)	12.8	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5
2.5°	9170.3	9184.6	9258.7	9430.7	9618.2	9632.5	9759.2	9629.0	9584.8	9374.5	9157.1
5°	9239.6	9294.5	9548.9	10054.2	10492.6	10633.5	10733.9	10478.3	10209.5	9695.9	9147.6
7.5°	8681.7	8773.7	9173.9	10122.3	10905.9	11252.3	11318.0	10917.8	10259.7	9414.0	8589.7
10°	7967.4	8072.5	8555.1	9720.9	10797.2	11390.9	11481.7	10957.3	10011.2	8957.6	7986.5
12.5°	7389.3	7512.3	8005.6	9269.4	10423.3	11080.3	11259.5	10824.7	9796.2	8633.9	7574.4
15°	7122.9	7263.8	7782.2	8978.0	10008.8	10526.0	10674.2	10486.6	9676.7	8582.6	7478.8
17.5°	7275.8	7428.7	7963.8	9003.0	9619.4	9840.4	9959.8	10036.3	9676.7	8892.0	7758.4
20°	7902.9	8067.7	8633.9	9257.5	9296.9	9214.5	9342.3	9611.0	9789.0	9479.7	8429.7
22.5°	8770.1	8963.6	9602.7	9693.5	9139.2	8827.4	8844.2	9265.8	9993.3	10225.0	9361.4
25°	9827.3	10063.8	10713.6	10343.3	9204.9	8596.9	8590.9	8981.5	10192.8	10971.6	10399.4
27.5°	10877.2	11137.6	11708.6	11136.4	9476.1	8555.1	8543.2	8895.5	10387.5	11635.7	11533.0
30°	11757.6	12010.8	12503.0	11711.0	9768.7	8653.0	8595.7	8987.5	10503.3	12067.0	12359.6
32.5°	12474.3	12677.4	13075.1	12106.4	10081.7	8843.0	8718.7	9233.6	10700.4	12431.3	13119.3
35°	13262.7	13476.5	13635.4	12482.7	10432.9	9116.5	8938.5	9624.2	11003.8	12801.6	13951.9
37.5°	14162.1	14374.8	14355.6	12826.7	10878.4	9569.2	9455.8	10242.9	11475.7	13168.3	14881.2
40°	15042.5	15259.9	15104.6	13202.9	11401.6	10315.8	10232.2	11172.3	12107.6	13637.7	15970.6
42.5°	15866.7	16102.0	15770.0	13558.9	12025.2	11257.1	11400.4	12369.2	12898.3	14215.9	16909.5
45°	16530.9	16771.0	16327.8	13905.3	12682.1	12399.0	12830.3	13695.1	13849.2	14704.4	17543.8
47.5°	17013.4	17240.4	16714.8	14251.7	13523.1	13795.4	14546.8	15085.5	14708.0	15128.5	17994.1
50°	17321.6	17498.4	16828.3	14685.3	14626.8	15424.7	16335.0	16597.7	15516.7	15510.7	18541.2
52.5°	17517.5	17597.6	16911.9	15138.1	15778.3	17198.6	18086.1	18168.5	16349.3	15931.2	19278.2
55°	18192.4	18256.9	17504.4	15686.3	16730.3	18752.6	19670.0	19593.6	17291.8	16754.2	20147.8
57.5°	19343.9	19412.0	18728.8	16474.7	17500.8	19713.0	20818.0	20955.3	18396.7	17910.5	21079.6
60°	19922.1	20048.7	19805.0	17473.3	18247.4	20327.0	21600.4	22038.8	19777.5	19434.7	21982.6
62.5°	19397.7	19581.6	19935.2	18580.6	18989.2	20665.1	21844.0	22427.0	21191.8	21211.0	22539.3
65°	18351.3	18498.2	19097.9	19187.5	19419.2	20623.3	21242.0	21884.7	22057.9	22842.7	22509.4
67.5°	17087.5	17142.4	17651.3	19235.2	18795.7	19366.6	19433.5	19908.9	21373.4	23420.8	21605.1
70°	15268.3	15298.1	15742.5	17635.8	16152.2	16277.6	16178.5	16275.2	18375.2	22012.5	19322.4
72.5°	12287.9	12363.2	12995.1	14645.9	11767.1	11405.2	12184.0	12141.0	14151.4	18597.4	14350.9
75°	9047.2	9177.4	10131.9	11797.0	8258.9	7470.5	8039.1	8190.8	10060.2	14385.5	8974.4
77.5°	6334.5	6431.3	7355.8	8672.2	5977.3	5341.9	5136.4	5316.8	6640.3	10406.6	4521.2
80°	3649.2	3685.1	4275.2	5007.4	4027.9	4608.4	4174.8	4299.1	3978.9	4629.9	1944.7
82.5°	2387.8	2393.8	2624.3	2980.3	2508.5	2914.6	2157.3	2758.1	2447.6	1859.9	633.1
85°	1290.1	1297.2	1521.8	2115.5	1420.3	802.7	471.8	968.7	1513.4	426.4	173.2
87.5°	142.1	130.2	458.7	769.3	394.2	72.9	25.1	108.7	242.5	27.5	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°	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5
2.5°	9046.0	8946.9	8699.6	8438.0	8227.8	8030.7	7832.4	7589.9	7402.4	7364.2	7302.1
5°	8852.5	8538.4	8020.0	7499.1	7079.9	6550.7	6215.0	5953.4	5697.8	5682.3	5630.9
7.5°	8176.4	7763.1	7033.3	6313.0	5722.9	5218.8	4710.0	4369.5	4102.0	4007.6	3951.4
10°	7526.6	7062.0	6150.5	5328.7	4801.9	4356.4	3998.0	3642.1	3319.5	3097.4	2997.0
12.5°	7072.7	6559.1	5554.5	4846.1	4468.7	4045.8	3608.6	3164.3	2792.8	2525.2	2361.6
15°	6897.1	6348.8	5355.0	4655.0	4189.2	3654.0	3095.0	2587.3	2175.2	1932.7	1785.8
17.5°	7106.2	6468.3	5339.5	4422.1	3771.1	3105.7	2488.2	1888.5	1500.3	1316.4	1222.0
20°	7636.5	6848.1	5333.5	4136.6	3274.2	2455.9	1685.5	1242.3	1007.0	904.2	860.0
22.5°	8386.7	7333.1	5381.3	3854.7	2756.9	1754.7	1163.5	912.6	792.0	737.0	711.9
25°	9351.8	8014.0	5516.3	3599.1	2270.8	1309.2	906.6	764.5	679.7	636.7	618.8
27.5°	10380.3	8797.6	5726.5	3376.9	1875.4	1044.0	776.4	654.6	593.7	563.8	547.1
30°	11228.4	9705.4	5939.1	3129.6	1588.7	910.2	710.7	597.3	526.8	507.7	492.1
32.5°	11970.2	10392.3	6089.6	2906.2	1401.2	808.7	642.6	533.9	486.2	449.1	432.4
35°	12738.3	10964.4	6084.8	2749.8	1272.2	732.2	585.3	477.8	420.5	377.5	364.3
37.5°	13569.7	11610.7	5980.9	2616.0	1216.0	671.3	553.1	447.9	390.6	347.6	330.9
40°	14543.2	12289.1	5874.6	2490.6	1200.5	622.3	530.4	424.1	363.1	321.3	304.6
42.5°	15491.6	12900.7	5781.4	2397.4	1133.6	621.1	510.1	406.1	341.6	301.0	281.9
45°	16250.1	13470.5	5763.5	2341.2	1063.1	642.6	499.3	394.2	324.9	284.3	266.4
47.5°	16880.8	14089.3	5878.2	2301.8	996.2	586.5	525.6	385.8	309.4	270.0	249.7
50°	17631.0	14849.0	6148.2	2237.3	925.7	528.0	602.0	388.2	296.2	255.6	234.1
52.5°	18677.4	15900.2	6544.7	2128.6	829.0	474.2	592.5	390.6	281.9	240.1	218.6
55°	19850.4	17212.9	6971.2	1948.2	694.0	403.7	507.7	373.9	254.4	223.4	203.1
57.5°	21083.1	18403.9	7224.4	1733.2	551.9	348.8	406.1	340.4	224.6	200.7	187.5
60°	21276.7	18856.6	7108.5	1469.3	438.4	303.4	301.0	346.4	200.7	176.8	167.2
62.5°	20795.3	18288.0	6548.3	1233.9	366.7	266.4	247.3	302.2	181.6	157.7	148.1
65°	19869.5	16750.6	5640.5	1112.1	340.4	228.2	205.5	212.6	158.9	137.4	129.0
67.5°	18581.8	14698.5	4631.1	1042.8	336.9	195.9	175.6	161.3	137.4	119.5	112.3
70°	15949.1	12244.9	3694.6	1004.6	327.3	164.8	148.1	131.4	114.7	101.5	95.6
72.5°	11738.5	8676.9	2874.0	962.8	329.7	131.4	129.0	108.7	92.0	78.8	76.4
75°	6782.4	4957.2	1884.9	780.0	314.2	101.5	107.5	76.4	64.5	54.9	54.9
77.5°	3614.6	3023.3	717.9	324.9	114.7	64.5	60.9	45.4	40.6	33.4	32.3
80°	1575.6	1330.7	216.2	90.8	63.3	34.6	22.7	20.3	17.9	14.3	13.1
82.5°	557.8	481.4	70.5	44.2	27.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	126.6	90.8	0.0	10.8	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°	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5
2.5°	7175.4	7149.2	6993.9	6999.8	7027.3	7066.7	6973.6	7016.6	7132.4	7243.5	7285.3
5°	5548.5	5554.5	5460.1	5518.6	5571.2	5607.0	5456.5	5458.9	5550.9	5676.3	5742.0
7.5°	3909.6	3900.1	3904.9	4044.6	4143.8	4072.1	4128.2	3933.5	3945.5	4035.1	3968.2
10°	2906.2	2774.9	2700.8	2805.9	2914.6	2875.2	2778.4	2715.1	2759.3	2858.5	2851.3
12.5°	2283.9	2095.2	1984.1	1908.8	1998.4	1924.4	1922.0	1867.0	1807.3	1818.0	1976.9
15°	1717.7	1580.3	1448.9	1328.3	1325.9	1300.8	1173.0	1029.7	1017.7	1024.9	1107.3
17.5°	1181.4	1134.8	1081.0	977.1	949.6	844.5	720.3	663.0	634.3	647.4	674.9
20°	830.2	812.3	818.2	762.1	722.7	622.3	549.5	526.8	522.0	535.1	548.3
22.5°	688.0	655.8	652.2	627.1	587.7	514.8	475.4	462.3	456.3	468.2	477.8
25°	602.0	569.8	556.6	541.1	499.3	449.1	425.2	413.3	407.3	414.5	420.5
27.5°	530.4	500.5	488.6	477.8	437.2	401.4	382.2	371.5	366.7	369.1	375.1
30°	476.6	450.3	434.8	421.7	387.0	361.9	345.2	334.5	329.7	329.7	335.7
32.5°	420.5	406.1	391.8	375.1	342.8	326.1	309.4	297.4	292.7	293.9	298.6
35°	350.0	345.2	348.8	333.3	305.8	291.5	274.7	261.6	258.0	259.2	264.0
37.5°	310.6	289.1	302.2	293.9	278.3	259.2	237.7	225.8	219.8	223.4	225.8
40°	285.5	259.2	249.7	258.0	255.6	224.6	205.5	193.5	188.7	189.9	192.3
42.5°	264.0	232.9	211.4	210.2	224.6	195.9	175.6	164.8	158.9	158.9	161.3
45°	243.7	210.2	184.0	163.6	188.7	166.0	146.9	137.4	130.2	130.2	131.4
47.5°	228.2	191.1	160.1	133.8	142.1	136.2	120.6	111.1	103.9	103.9	105.1
50°	213.8	172.0	138.6	112.3	106.3	112.3	98.0	87.2	82.4	81.2	83.6
52.5°	198.3	152.9	118.3	95.6	83.6	84.8	76.4	69.3	63.3	63.3	65.7
55°	182.8	137.4	102.7	81.2	69.3	63.3	60.9	56.1	51.4	51.4	53.8
57.5°	167.2	120.6	87.2	66.9	54.9	50.2	50.2	46.6	43.0	43.0	45.4
60°	152.9	103.9	71.7	54.9	43.0	41.8	43.0	39.4	37.0	37.0	39.4
62.5°	136.2	88.4	58.5	45.4	34.6	33.4	37.0	34.6	32.3	32.3	34.6
65°	115.9	75.3	46.6	34.6	26.3	26.3	31.1	28.7	26.3	26.3	28.7
67.5°	98.0	63.3	35.8	25.1	19.1	20.3	26.3	23.9	22.7	22.7	25.1
70°	81.2	49.0	25.1	15.5	10.8	15.5	20.3	20.3	20.3	20.3	22.7
72.5°	60.9	33.4	14.3	6.0	4.8	10.8	16.7	19.1	17.9	17.9	21.5
75°	39.4	19.1	4.8	0.0	0.0	6.0	13.1	15.5	15.5	14.3	17.9
77.5°	22.7	6.0	0.0	0.0	0.0	0.0	8.4	7.2	6.0	4.8	8.4
80°	6.0	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



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 CATALOG NUMBER: GAN-SA8A-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5	8459.5
2.5°	7453.8	7594.7	7793.0	8003.2	8326.9	8583.8	8835.8	9052.0	9135.6	9170.3
5°	5899.7	6106.3	6396.6	6769.3	7353.4	7879.0	8411.8	8948.1	9181.0	9239.6
7.5°	4233.4	4497.3	4866.4	5333.5	6018.0	6698.8	7443.0	8230.2	8590.9	8681.7
10°	3133.2	3455.7	3878.6	4370.7	5024.1	5724.1	6535.2	7434.6	7846.8	7967.4
12.5°	2223.0	2659.0	3225.2	3823.6	4389.8	5014.6	5835.2	6826.6	7259.1	7389.3
15°	1305.6	1727.3	2397.4	3198.9	3924.0	4557.1	5390.8	6514.9	6991.5	7122.9
17.5°	749.0	959.2	1465.7	2359.2	3343.4	4220.2	5251.1	6592.5	7153.9	7275.8
20°	572.2	639.1	844.5	1519.4	2665.0	3889.3	5251.1	7032.1	7723.7	7902.9
22.5°	500.5	549.5	633.1	906.6	1961.4	3534.6	5312.0	7667.6	8571.8	8770.1
25°	444.4	488.6	560.2	682.1	1337.9	3112.9	5456.5	8447.6	9570.4	9827.3
27.5°	397.8	439.6	504.1	597.3	915.0	2604.0	5651.2	9362.6	10671.8	10877.2
30°	356.0	395.4	453.9	519.6	706.0	2027.1	5817.3	10225.0	11536.6	11757.6
32.5°	316.5	352.4	404.9	453.9	578.1	1499.1	5835.2	10908.3	12254.5	12474.3
35°	279.5	311.8	359.5	397.8	479.0	1183.8	5556.9	11500.8	12972.4	13262.7
37.5°	243.7	274.7	316.5	345.2	421.7	965.2	5131.6	12161.3	13893.4	14162.1
40°	210.2	237.7	280.7	299.8	399.0	741.8	4669.3	12854.1	14796.4	15042.5
42.5°	179.2	205.5	247.3	284.3	350.0	554.3	4170.0	13504.0	15608.7	15866.7
45°	149.3	176.8	218.6	301.0	290.3	414.5	3636.1	13935.2	16250.1	16530.9
47.5°	120.6	151.7	209.0	286.7	231.7	304.6	3213.2	14343.7	16736.3	17013.4
50°	96.8	127.8	235.3	255.6	189.9	232.9	3036.5	14709.2	17055.2	17321.6
52.5°	78.8	107.5	222.2	195.9	158.9	192.3	3132.0	15301.7	17350.3	17517.5
55°	65.7	84.8	133.8	136.2	135.0	163.6	3250.3	16152.2	18113.6	18192.4
57.5°	57.3	68.1	93.2	105.1	113.5	145.7	3252.7	17373.0	19295.0	19343.9
60°	49.0	59.7	77.6	84.8	98.0	130.2	3134.4	17799.4	19759.6	19922.1
62.5°	43.0	52.6	64.5	70.5	82.4	117.1	2857.3	17181.9	19121.8	19397.7
65°	38.2	47.8	53.8	59.7	72.9	105.1	2401.0	15946.7	18063.4	18351.3
67.5°	33.4	41.8	47.8	53.8	65.7	93.2	1767.9	14512.1	16848.6	17087.5
70°	29.9	37.0	43.0	47.8	57.3	78.8	1072.7	12314.2	15169.1	15268.3
72.5°	28.7	33.4	39.4	43.0	50.2	69.3	543.5	9049.6	12126.7	12287.9
75°	25.1	29.9	35.8	38.2	44.2	59.7	221.0	5943.9	8788.0	9047.2
77.5°	20.3	27.5	32.3	34.6	38.2	49.0	112.3	3798.5	6167.3	6334.5
80°	7.2	20.3	27.5	28.7	32.3	35.8	74.1	2079.6	3577.6	3649.2
82.5°	0.0	13.1	21.5	20.3	22.7	27.5	47.8	989.1	2361.6	2387.8
85°	0.0	6.0	16.7	13.1	9.6	19.1	16.7	216.2	1238.7	1290.1
87.5°	0.0	0.0	1.2	6.0	4.8	7.2	2.4	1.2	112.3	142.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)