

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: P324472

Luminaire Tested: **GAN-SA8A-740-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324472
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-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 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: 27686 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G4

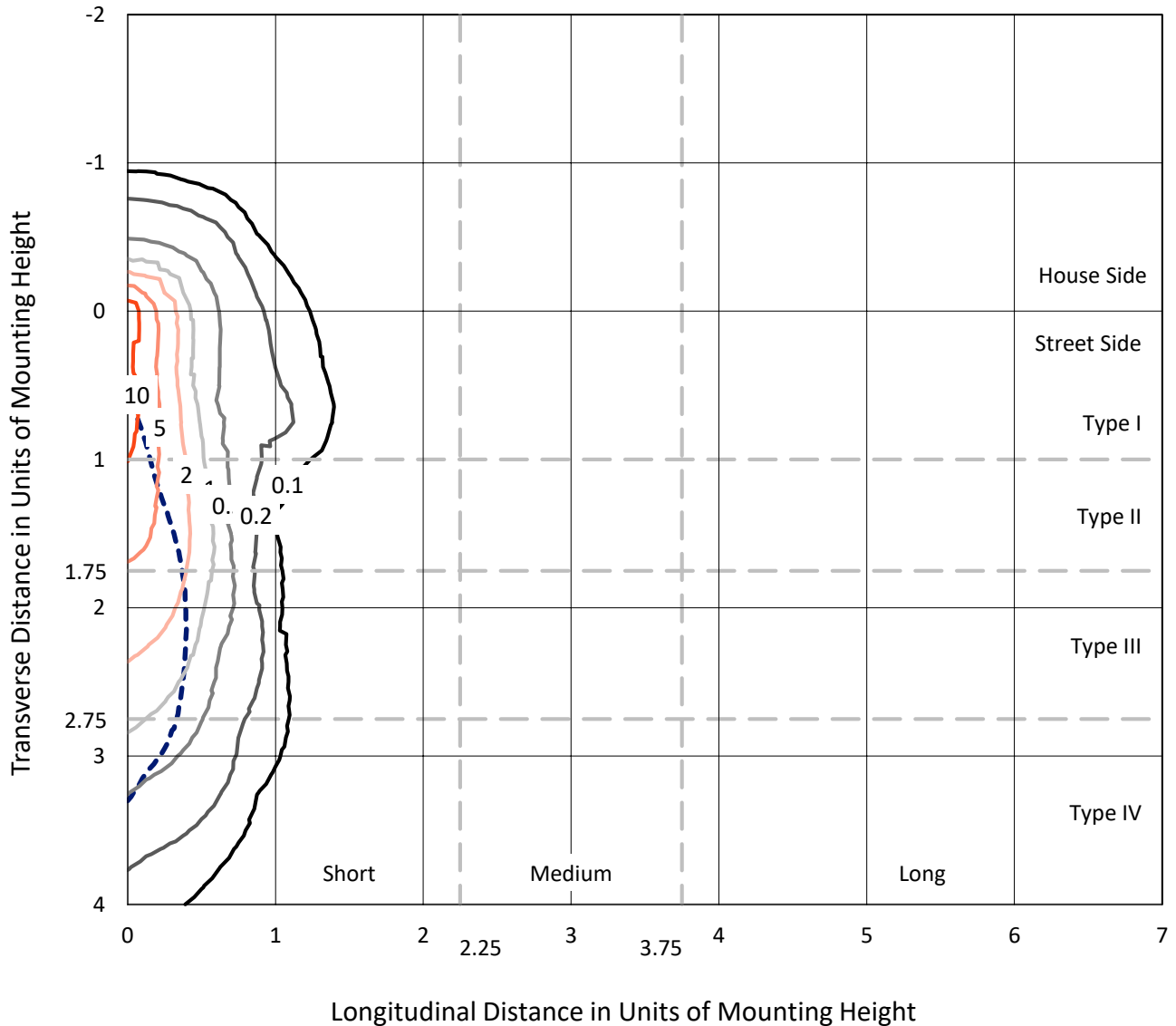
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

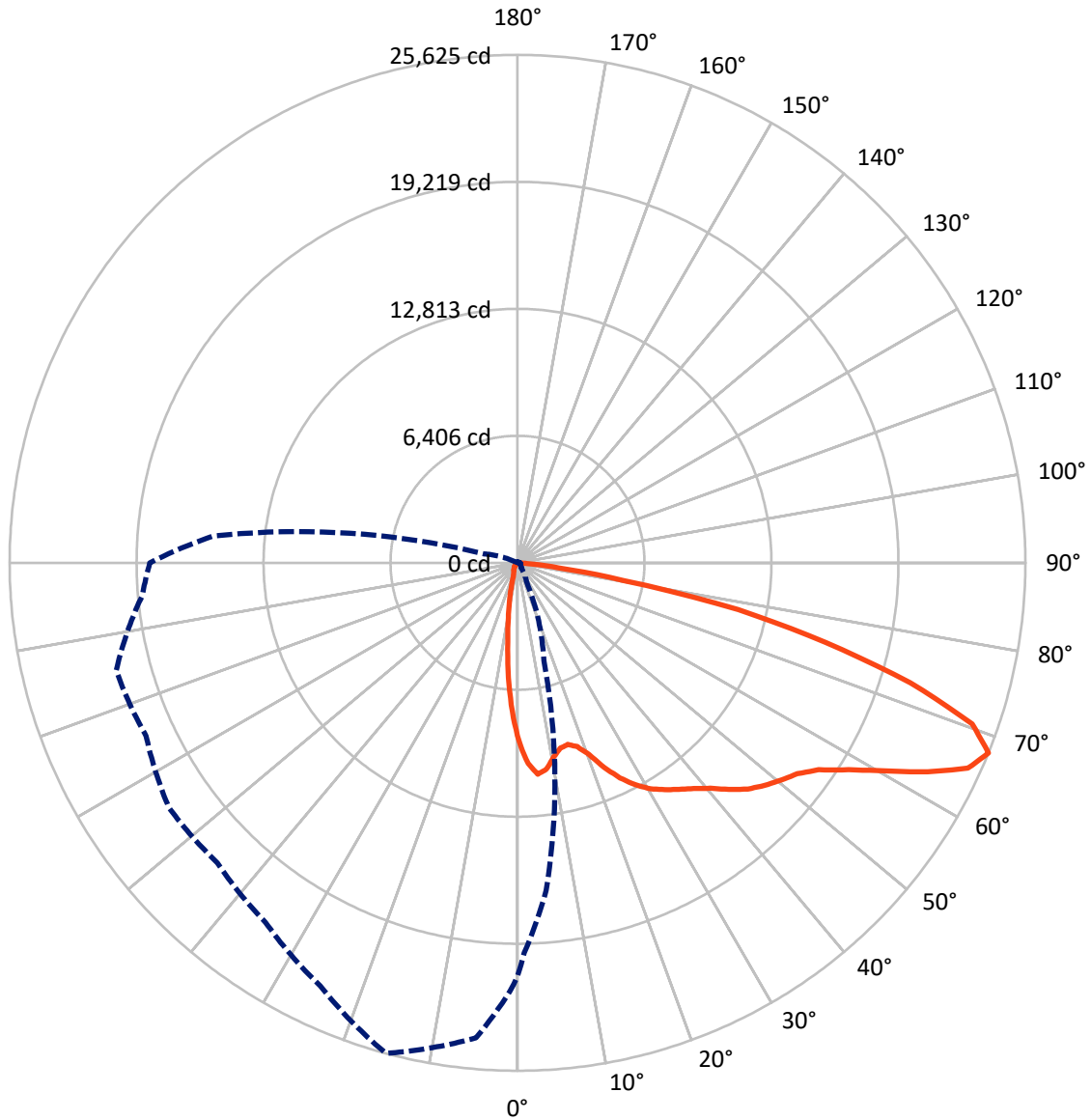
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 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	3350.9	0.0	3350.9
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	24335.1	0.0	24335.1
	% Fixture	87.9	0.0	87.9
Total	Lumens	27686.0	0.0	27686.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.2	2.5
10°-20°	1377.8	5.0
20°-30°	1956.4	7.1
30°-40°	2889.8	10.4
40°-50°	4167.6	15.1
50°-60°	5850.5	21.1
60°-70°	6820.0	24.6
70°-80°	3486.5	12.6
80°-90°	445.3	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°	27686.0	100.0
0°-180°	27686.0	100.0

Coefficient of Utilization

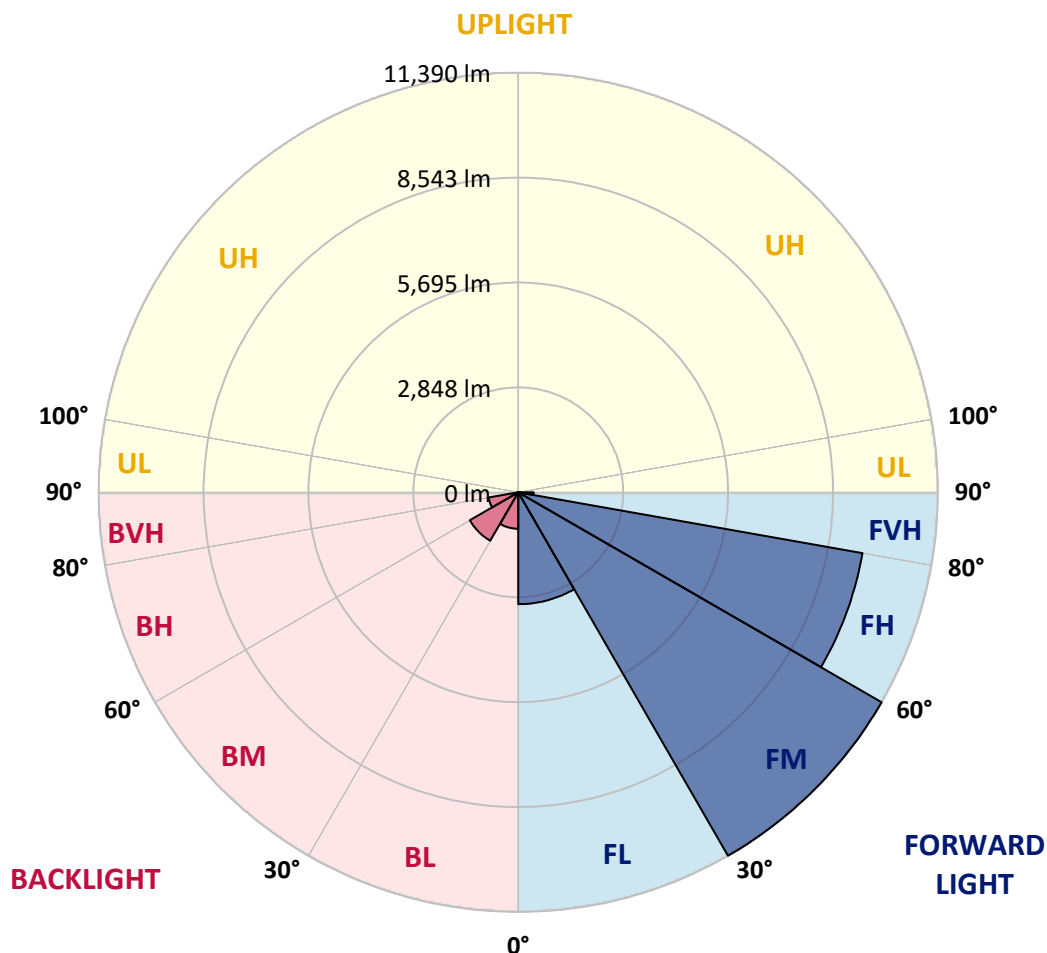


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3036.6	11.0			
FM (30°-60°)	11390.5	41.1			
FH (60°-80°)	9489.8	34.3			G4/12000
FVH (80°-90°)	418.2	1.5			G3/500
BL (0°-30°)	989.7	3.6	B2/1000		
BM (30°-60°)	1517.4	5.5	B2/2500		
BH (60°-80°)	816.7	2.9	B2/1000		G2/1000
BVH (80°-90°)	27.1	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°	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7
2.5°	9875.1	9799.1	9715.1	9441.0	9186.5	8895.4	8658.0	8492.7	8285.5	8016.6	7948.4
5°	9804.3	9723.0	9459.4	8849.5	8315.6	7796.2	7295.2	7001.4	6636.8	6266.9	6175.1
7.5°	9092.1	9006.9	8626.5	7791.0	7072.2	6322.0	5671.4	5268.8	4856.9	4518.5	4338.8
10°	8351.1	8257.9	7830.3	6816.5	5931.1	5253.0	4775.6	4391.3	4001.7	3639.7	3351.2
12.5°	7840.8	7718.9	7254.5	6105.6	5334.3	4874.0	4428.0	3967.6	3440.4	3052.1	2734.7
15°	7627.0	7488.0	6997.5	5831.4	5123.2	4582.8	4001.7	3436.4	2818.7	2374.0	2082.8
17.5°	7792.3	7611.3	7085.3	5813.1	4858.2	4122.4	3387.9	2724.2	2054.0	1604.1	1396.9
20°	8353.7	8116.3	7448.7	5807.8	4536.9	3575.5	2644.2	1894.0	1353.6	1088.6	979.8
22.5°	9237.7	8924.2	7970.7	5849.8	4205.0	3001.0	1909.7	1286.7	1016.5	878.8	814.5
25°	10305.4	9942.0	8722.2	5998.0	3913.9	2442.2	1387.7	1016.5	857.8	756.8	703.0
27.5°	11320.5	11025.4	9671.8	6211.8	3688.3	1991.0	1126.7	861.7	733.2	666.3	623.0
30°	12334.4	11963.2	10646.4	6466.3	3416.8	1685.4	990.3	785.7	657.1	586.3	558.7
32.5°	13071.6	12763.3	11409.7	6649.9	3126.9	1486.1	885.3	718.8	613.8	541.7	501.0
35°	13938.5	13589.6	12064.2	6690.5	2940.6	1360.1	796.2	646.6	532.5	468.2	425.0
37.5°	14875.0	14440.9	12819.7	6601.4	2795.1	1298.5	729.3	613.8	497.1	431.5	385.6
40°	15911.2	15420.7	13545.0	6472.8	2652.1	1277.5	678.1	588.9	469.6	402.7	355.4
42.5°	17002.5	16424.0	14173.3	6337.7	2561.6	1205.4	672.9	564.0	448.6	376.4	329.2
45°	17919.3	17333.0	14818.6	6293.1	2497.3	1126.7	695.2	546.9	434.1	355.4	309.5
47.5°	18649.9	18095.0	15479.7	6392.8	2460.6	1054.5	633.5	569.2	426.3	337.1	292.5
50°	19522.1	18893.8	16410.9	6690.5	2406.8	982.4	573.2	651.9	426.3	325.3	278.1
52.5°	20616.0	19994.3	17449.7	7152.2	2299.3	882.7	515.5	653.2	430.2	309.5	259.7
55°	21991.8	21540.6	18933.2	7658.5	2127.4	735.8	445.9	561.4	414.5	280.7	242.6
57.5°	23311.3	22942.8	20285.4	8004.8	1897.9	574.5	388.2	452.5	379.1	246.6	216.4
59°	23672.0	23269.4	20781.2	8020.5	1726.1	501.0	359.4	373.8	371.2	230.8	200.7
60°	23672.0	23244.4	20924.2	7936.6	1601.5	460.4	341.0	333.2	386.9	220.4	191.5
62.5°	23243.1	22642.4	20459.9	7368.7	1306.4	392.2	297.7	275.4	347.6	198.1	169.2
65°	22351.2	21476.4	18878.1	6341.7	1164.7	359.4	257.1	225.6	241.3	174.4	148.2
67.5°	20863.9	19678.2	16597.2	5123.2	1108.3	350.2	221.7	191.5	182.3	149.5	129.8
70°	18244.6	16929.0	13828.4	4028.0	1059.8	346.3	186.2	161.3	146.9	125.9	110.2
72.5°	13278.8	11906.8	9817.4	3149.2	1030.9	354.1	149.5	135.1	120.7	98.4	85.3
75°	7595.6	6697.1	5518.0	2080.2	878.8	338.4	115.4	112.8	86.6	70.8	59.0
77.5°	3924.4	3805.0	3306.6	798.8	421.0	148.2	76.1	65.6	51.2	43.3	35.4
80°	1693.3	1674.9	1449.3	230.8	111.5	82.6	43.3	27.5	23.6	18.4	14.4
82.5°	585.0	585.0	515.5	77.4	49.8	40.7	5.2	0.0	0.0	0.0	0.0
85°	118.0	132.5	93.1	0.0	17.1	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°	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7
2.5°	7865.8	7707.0	7696.6	7596.9	7472.3	7415.9	7383.1	7440.8	7511.6	7519.5	7625.7
5°	6105.6	5939.0	6008.5	5831.4	5866.9	5831.4	5773.7	5784.2	5815.7	5717.3	5839.3
7.5°	4287.7	4161.8	4241.8	4194.5	4257.5	4282.4	4247.0	4194.5	4039.8	4021.4	4127.7
10°	3231.8	3088.9	3003.6	2914.4	2934.1	2974.7	2961.6	2923.6	2825.2	2830.5	2932.8
12.5°	2597.0	2437.0	2267.8	2048.7	1995.0	2025.1	1995.0	1972.7	1878.2	1886.1	1976.6
15°	1970.0	1838.9	1661.8	1486.1	1390.3	1399.5	1315.5	1256.5	1197.5	1126.7	1181.8
17.5°	1330.0	1250.0	1197.5	1145.0	1030.9	1004.7	898.5	784.3	739.8	707.0	730.6
20°	941.7	898.5	877.5	874.8	809.3	776.5	672.9	602.0	579.7	573.2	587.6
22.5°	787.0	755.5	725.3	708.3	675.5	637.4	558.7	523.3	507.6	499.7	510.2
25°	684.7	661.1	629.6	600.7	587.6	546.9	490.5	464.3	453.8	445.9	451.2
27.5°	608.6	587.6	550.9	532.5	522.0	486.6	438.1	417.1	407.9	405.3	404.0
30°	548.3	528.6	494.5	473.5	455.1	423.7	394.8	373.8	364.6	362.0	359.4
32.5°	487.9	472.2	449.9	428.9	409.2	380.4	355.4	338.4	324.0	321.3	320.0
35°	411.8	396.1	384.3	383.0	364.6	337.1	318.7	296.4	284.6	280.7	282.0
37.5°	365.9	345.0	318.7	327.9	322.7	303.0	278.1	255.8	244.0	241.3	241.3
40°	337.1	314.8	284.6	268.9	284.6	280.7	241.3	219.0	207.2	205.9	203.3
42.5°	309.5	287.2	253.1	226.9	234.8	246.6	208.5	187.6	175.8	173.1	169.2
45°	289.9	266.3	228.2	198.1	182.3	207.2	178.4	152.1	145.6	140.3	137.7
47.5°	271.5	249.2	205.9	171.8	145.6	149.5	143.0	124.6	116.7	111.5	110.2
50°	255.8	232.2	186.2	146.9	120.7	110.2	115.4	98.4	91.8	86.6	83.9
52.5°	237.4	215.1	165.3	127.2	101.0	86.6	87.9	77.4	70.8	66.9	65.6
55°	223.0	200.7	148.2	111.5	89.2	70.8	63.0	60.3	56.4	53.8	52.5
57.5°	203.3	182.3	131.2	94.4	76.1	57.7	48.5	48.5	47.2	44.6	43.3
59°	191.5	173.1	120.7	85.3	69.5	49.8	43.3	44.6	43.3	40.7	39.3
60°	182.3	165.3	112.8	78.7	65.6	45.9	39.3	42.0	40.7	38.0	36.7
62.5°	161.3	149.5	97.1	65.6	57.7	36.7	32.8	35.4	35.4	34.1	32.8
65°	141.7	128.5	82.6	55.1	53.8	31.5	26.2	31.5	32.8	30.2	27.5
67.5°	123.3	110.2	72.1	44.6	49.8	24.9	19.7	26.2	35.4	27.5	24.9
70°	104.9	91.8	56.4	35.4	52.5	17.1	15.7	23.6	42.0	30.2	23.6
72.5°	81.3	70.8	39.3	26.2	56.4	11.8	11.8	19.7	47.2	32.8	22.3
75°	56.4	45.9	23.6	15.7	45.9	7.9	7.9	18.4	44.6	30.2	21.0
77.5°	32.8	24.9	7.9	1.3	23.6	0.0	1.3	13.1	31.5	18.4	9.2
80°	11.8	5.2	0.0	0.0	14.4	0.0	0.0	0.0	2.6	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°	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7
2.5°	7653.3	7830.3	7989.0	8229.1	8513.7	8841.6	9123.6	9426.6	9711.2	9829.2	9910.6
5°	5864.2	6083.3	6339.0	6691.9	7161.4	7739.8	8281.5	8894.1	9552.5	9881.7	10191.2
7.5°	4146.0	4369.0	4686.4	5061.5	5629.5	6318.0	7026.3	7872.3	8764.2	9284.9	9797.8
10°	2981.3	3255.4	3551.9	4064.7	4641.8	5295.0	6024.2	6968.6	7962.8	8539.9	9157.7
12.5°	2029.1	2341.2	2789.8	3364.3	4042.4	4682.5	5316.0	6217.1	7371.3	7943.1	8605.5
15°	1217.2	1390.3	1865.1	2530.1	3361.7	4159.1	4853.0	5756.7	6987.0	7687.4	8376.0
17.5°	750.2	830.3	1088.6	1634.3	2507.8	3516.4	4467.4	5600.6	7042.1	7894.6	8631.7
20°	598.1	629.6	712.2	965.3	1661.8	2808.2	4033.2	5569.1	7491.9	8541.2	9332.1
22.5°	519.4	549.6	604.7	701.7	1045.4	2102.5	3621.4	5598.0	8137.3	9510.5	10433.9
25°	457.8	484.0	536.5	616.5	766.0	1480.8	3180.7	5726.5	8978.0	10713.3	11694.4
27.5°	409.2	431.5	480.1	553.5	657.1	1033.6	2680.9	5882.6	9974.8	11943.6	12911.5
30°	364.6	384.3	427.6	495.8	570.6	794.8	2132.7	5988.8	10973.0	12911.5	13781.1
32.5°	326.6	341.0	380.4	438.1	495.8	633.5	1621.2	5971.8	11714.0	13716.9	14406.8
35°	287.2	301.7	335.8	385.6	431.5	523.3	1274.9	5653.1	12359.3	14552.4	15122.9
37.5°	244.0	262.3	295.1	339.7	371.2	460.4	1030.9	5268.8	13013.8	15507.2	15921.7
40°	207.2	225.6	254.5	303.0	322.7	436.8	792.2	4800.5	13749.7	16574.9	16797.9
42.5°	171.8	188.9	219.0	261.0	304.3	376.4	586.3	4265.4	14456.6	17487.8	17596.6
45°	139.0	156.1	187.6	229.5	325.3	312.2	453.8	3692.2	15027.2	18247.2	18282.6
47.5°	110.2	125.9	158.7	216.4	303.0	249.2	324.0	3242.3	15505.9	18840.0	18746.9
50°	85.3	98.4	132.5	247.9	264.9	205.9	245.3	3092.8	15934.8	19207.3	18965.9
52.5°	66.9	78.7	108.9	232.2	205.9	170.5	205.9	3233.1	16522.4	19511.6	19089.2
55°	53.8	65.6	85.3	132.5	140.3	144.3	175.8	3364.3	17536.3	20225.1	19817.2
57.5°	44.6	56.4	69.5	93.1	106.2	122.0	156.1	3378.7	18731.2	21410.8	21025.2
59°	40.7	51.2	63.0	82.6	93.1	111.5	146.9	3300.0	19152.2	21842.3	21649.5
60°	38.0	48.5	59.0	76.1	86.6	104.9	141.7	3225.3	19170.6	21826.6	21915.8
62.5°	32.8	43.3	52.5	64.3	73.5	89.2	127.2	2948.5	18394.1	21111.8	21755.8
65°	28.9	38.0	47.2	55.1	63.0	80.0	115.4	2443.5	17068.0	19958.8	20660.6
67.5°	26.2	32.8	43.3	48.5	56.4	70.8	102.3	1741.8	15411.5	18548.9	19004.0
70°	23.6	31.5	39.3	44.6	51.2	61.6	87.9	1000.8	13013.8	16484.4	16808.3
72.5°	22.3	30.2	35.4	42.0	45.9	55.1	80.0	470.9	9528.9	13205.3	14051.3
75°	19.7	27.5	32.8	39.3	43.3	49.8	68.2	225.6	6337.7	9556.4	10517.8
77.5°	11.8	22.3	30.2	35.4	38.0	43.3	56.4	129.8	4045.0	6614.5	7791.0
80°	0.0	7.9	22.3	30.2	32.8	36.7	43.3	102.3	2164.2	3778.8	4535.6
82.5°	0.0	0.0	15.7	23.6	22.3	24.9	32.8	64.3	975.8	2469.8	2783.2
85°	0.0	0.0	5.2	18.4	15.7	11.8	22.3	22.3	213.8	1250.0	1559.5
87.5°	0.0	0.0	0.0	1.3	7.9	5.2	9.2	2.6	1.3	93.1	377.7
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-SA8A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7	9018.7
2.5°	10195.2	10292.2	10456.2	10533.6	10495.5	10334.2	10141.4	9944.7	9829.2	9875.1
5°	10822.1	11321.9	11610.4	11706.2	11546.1	11184.1	10710.6	10086.3	9864.7	9804.3
7.5°	10822.1	11762.6	12358.0	12463.0	12106.2	11396.6	10508.7	9534.1	9210.2	9092.1
10°	10441.8	11721.9	12552.2	12718.7	12220.3	11159.2	9969.6	8857.3	8473.0	8351.1
12.5°	10012.9	11391.4	12266.2	12495.8	12086.5	10923.1	9595.8	8399.6	7947.1	7840.8
15°	9749.2	10984.8	11708.8	11875.4	11702.2	10785.4	9506.6	8261.9	7729.3	7627.0
17.5°	9843.7	10670.0	10931.0	11028.1	11144.8	10736.9	9749.2	8563.5	7889.4	7792.3
20°	10199.1	10338.1	10203.1	10325.0	10639.8	10784.1	10327.7	9292.8	8483.5	8353.7
22.5°	10802.5	10166.3	9787.3	9835.8	10218.8	10940.2	11211.7	10334.2	9400.3	9237.7
25°	11505.5	10305.4	9556.4	9513.1	9906.6	11146.1	12019.6	11467.4	10485.0	10305.4
27.5°	12389.5	10617.5	9509.2	9465.9	9797.8	11338.9	12691.2	12587.6	11627.5	11320.5
30°	13071.6	10924.4	9649.5	9549.9	9906.6	11472.7	13230.3	13538.5	12537.7	12334.4
32.5°	13560.8	11286.4	9877.8	9733.5	10213.5	11703.5	13646.0	14409.4	13379.8	13071.6
35°	13933.3	11679.9	10246.3	10008.9	10635.9	12053.7	14035.6	15336.7	14275.6	13938.5
37.5°	14282.2	12232.1	10822.1	10538.8	11298.2	12617.7	14447.4	16388.6	15277.7	14875.0
40°	14768.8	12857.8	11710.1	11458.3	12411.8	13386.3	14961.6	17485.1	16417.5	15911.2
42.5°	15255.4	13529.3	12619.0	12687.2	13800.8	14320.2	15625.3	18644.6	17542.8	17002.5
45°	15700.0	14221.8	13913.6	14228.4	15090.1	15344.6	16285.0	19314.8	18441.3	17919.3
47.5°	16096.1	15087.5	15200.3	16038.4	16556.5	16271.9	16778.2	19893.3	19110.2	18649.9
50°	16556.5	16207.6	16896.2	18081.9	18244.6	17111.3	17226.7	20577.9	19891.9	19522.1
52.5°	17060.2	17388.1	18774.5	19819.8	19767.3	18022.9	17677.9	21345.2	20963.5	20616.0
55°	17632.0	18341.6	20428.4	21446.2	21401.6	19040.7	18425.6	22293.5	22306.6	21991.8
57.5°	18480.7	19162.7	21551.1	22761.8	22836.5	20215.9	19692.6	23355.9	23521.2	23311.3
59°	19089.2	19695.2	21995.8	23311.3	23615.6	21124.9	20618.6	23972.4	23863.5	23672.0
60°	19540.4	20033.6	22216.1	23598.6	24068.1	21741.3	21301.9	24334.4	23904.2	23672.0
62.5°	20656.6	20770.7	22613.6	23923.9	24588.8	23110.7	23224.8	24950.8	23622.2	23243.1
65°	21177.3	21236.4	22608.3	23341.5	24085.2	24177.0	24969.2	24969.2	22933.6	22351.2
67.5°	20959.6	20675.0	21486.9	21410.8	22153.2	23543.5	25625.0	24053.7	21616.7	20863.9
70°	19188.9	18093.7	17733.0	17765.8	18333.8	20478.2	24326.5	21359.6	19124.7	18244.6
72.5°	15966.3	13339.1	12448.5	13465.0	13613.2	15738.1	20731.4	16085.6	14103.8	13278.8
75°	12842.0	9403.0	7954.9	9027.8	9279.7	11517.3	16037.1	10018.1	8238.3	7595.6
77.5°	9225.9	6749.6	5708.1	5633.4	5958.7	7304.4	11379.6	5041.8	4205.0	3924.4
80°	5241.2	4442.4	4783.5	4513.3	4677.2	4567.0	5406.5	2211.4	1811.3	1693.3
82.5°	3163.6	2625.9	2843.6	2367.5	2995.7	2608.8	2082.8	708.3	615.1	585.0
85°	2057.9	1434.9	747.6	501.0	1032.2	1667.1	465.6	192.8	148.2	118.0
87.5°	709.6	365.9	36.7	15.7	110.2	310.9	17.1	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)