

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: P382976

Luminaire Tested: **GAN-SA3B-735-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382976
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-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 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: 12047.7 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

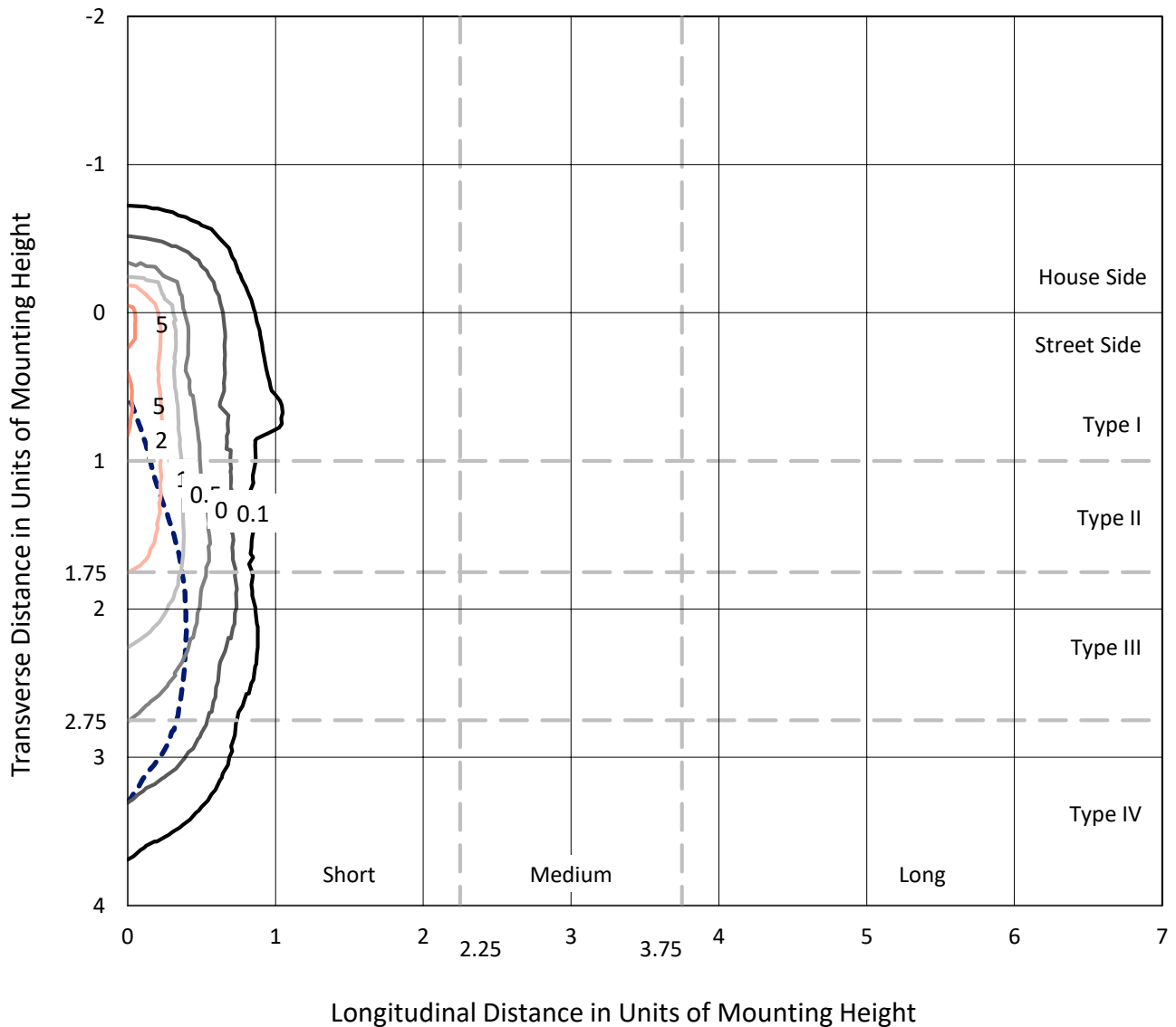
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

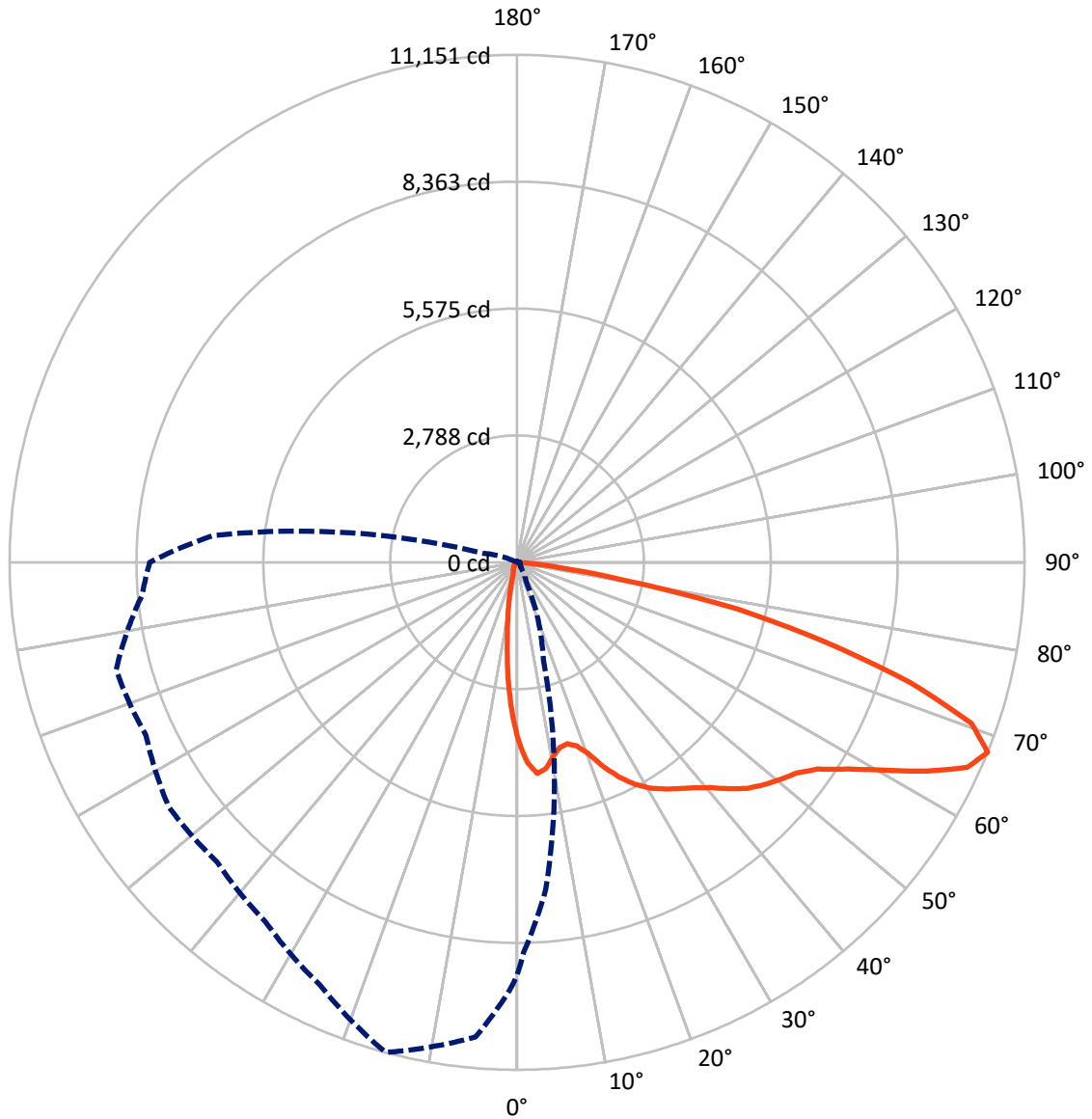
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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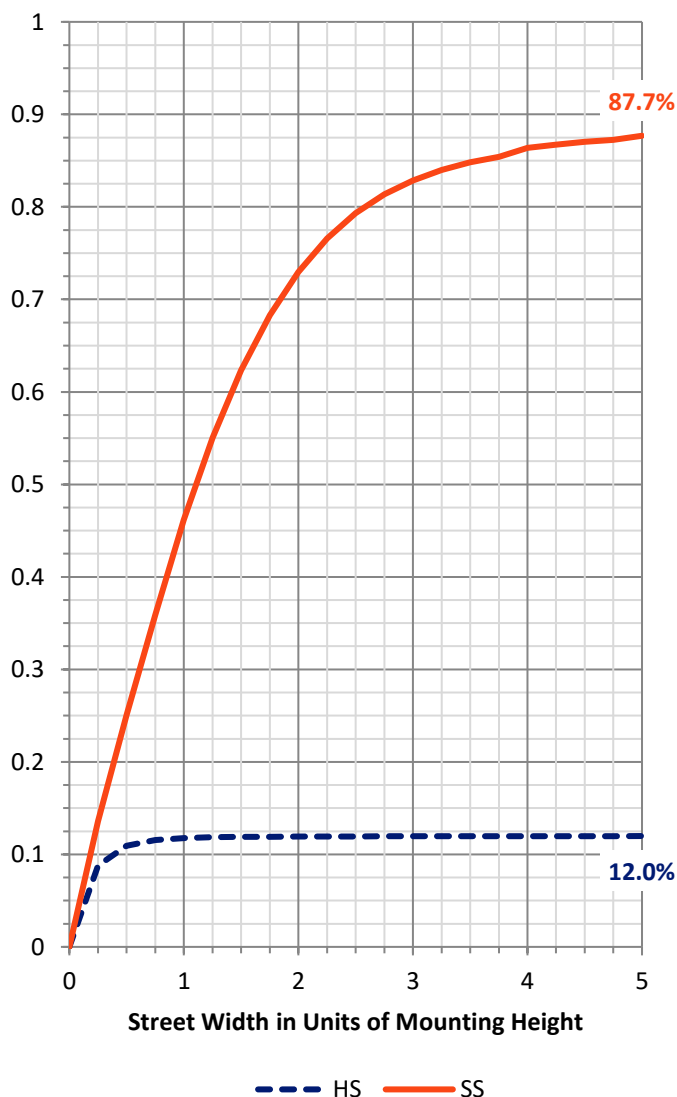
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1458.2	0.0	1458.2
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	10589.5	0.0	10589.5
	% Fixture	87.9	0.0	87.9
Total	Lumens	12047.7	0.0	12047.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.2	2.5
10°-20°	599.5	5.0
20°-30°	851.3	7.1
30°-40°	1257.5	10.4
40°-50°	1813.6	15.1
50°-60°	2545.9	21.1
60°-70°	2967.8	24.6
70°-80°	1517.2	12.6
80°-90°	193.8	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°	12047.7	100.0
0°-180°	12047.7	100.0

Coefficient of Utilization

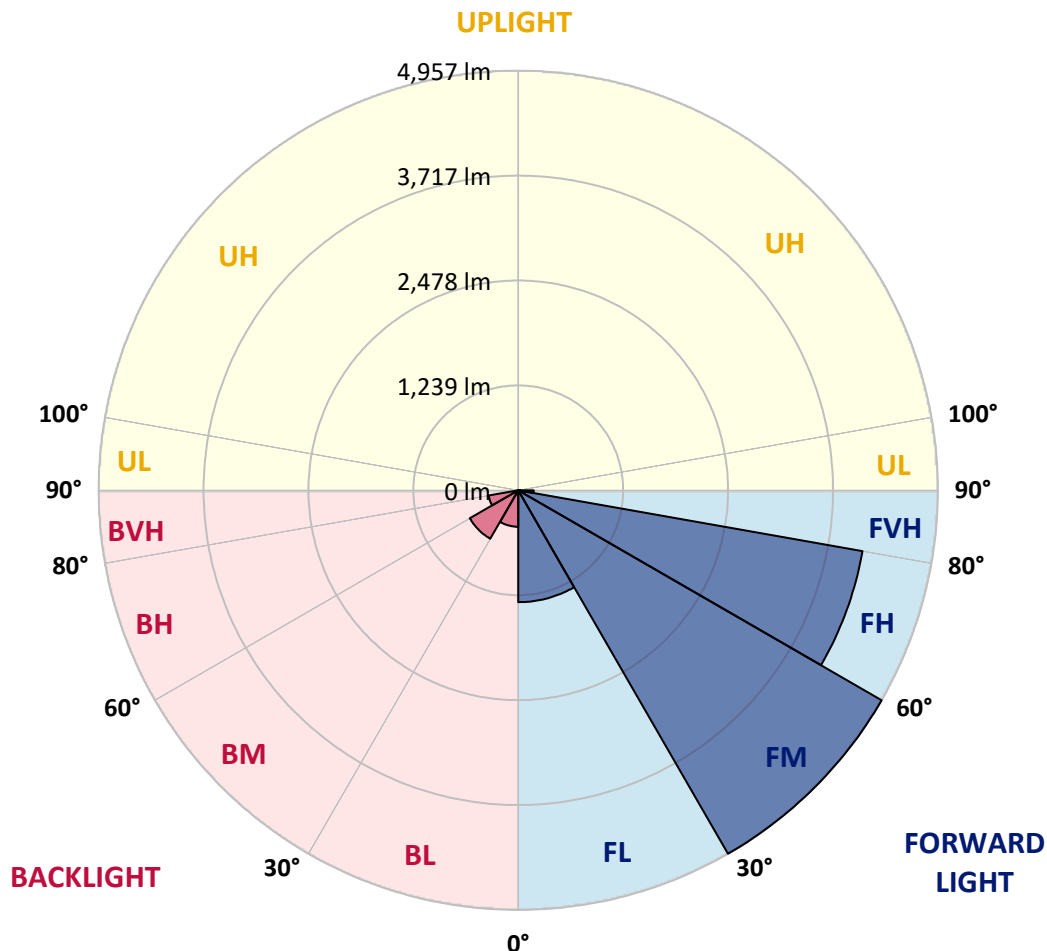


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1321.4	11.0			
FM (30°-60°)	4956.6	41.1			
FH (60°-80°)	4129.5	34.3			G2/5000
FVH (80°-90°)	182.0	1.5			G2/225
BL (0°-30°)	430.7	3.6	B1/500		
BM (30°-60°)	660.3	5.5	B1/1000		
BH (60°-80°)	355.4	2.9	B1/500		G1/500
BVH (80°-90°)	11.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5
2.5°	4297.2	4264.2	4227.5	4108.3	3997.6	3870.9	3767.6	3695.6	3605.5	3488.5	3458.7
5°	4266.4	4231.0	4116.3	3850.9	3618.6	3392.6	3174.5	3046.7	2888.0	2727.1	2687.1
7.5°	3956.5	3919.4	3753.9	3390.3	3077.6	2751.0	2467.9	2292.7	2113.5	1966.2	1888.1
10°	3634.0	3593.4	3407.4	2966.2	2580.9	2285.8	2078.1	1910.9	1741.3	1583.8	1458.2
12.5°	3412.0	3358.9	3156.8	2656.9	2321.2	2120.9	1926.9	1726.5	1497.1	1328.1	1190.1
15°	3318.9	3258.5	3044.9	2537.5	2229.4	1994.3	1741.3	1495.4	1226.6	1033.1	906.4
17.5°	3390.8	3312.1	3083.2	2529.6	2114.1	1793.9	1474.3	1185.5	893.8	698.0	607.8
20°	3635.2	3531.9	3241.3	2527.3	1974.2	1555.9	1150.6	824.1	589.0	473.7	426.4
22.5°	4019.8	3883.4	3468.5	2545.5	1829.8	1305.8	831.0	560.0	442.3	382.4	354.5
25°	4484.5	4326.3	3795.5	2610.1	1703.1	1062.7	603.8	442.3	373.3	329.3	305.9
27.5°	4926.2	4797.7	4208.7	2703.1	1605.0	866.4	490.3	374.9	319.1	289.9	271.1
30°	5367.4	5205.9	4632.9	2813.8	1486.8	733.4	430.9	341.9	286.0	255.2	243.1
32.5°	5688.1	5554.0	4965.0	2893.8	1360.7	646.7	385.3	312.8	267.1	235.7	218.1
35°	6065.4	5913.6	5249.8	2911.5	1279.7	591.9	346.4	281.4	231.8	203.7	184.9
37.5°	6473.0	6284.0	5578.6	2872.6	1216.3	565.1	317.4	267.1	216.3	187.8	167.8
40°	6923.8	6710.4	5894.2	2816.7	1154.1	555.9	295.1	256.3	204.3	175.2	154.6
42.5°	7398.7	7147.0	6167.6	2757.8	1114.7	524.6	292.8	245.5	195.2	163.8	143.3
45°	7797.7	7542.6	6448.4	2738.5	1086.7	490.3	302.5	238.0	188.9	154.6	134.7
47.5°	8115.5	7874.2	6736.0	2781.9	1070.7	458.9	275.6	247.7	185.5	146.7	127.2
50°	8495.2	8221.7	7141.3	2911.5	1047.3	427.5	249.4	283.7	185.5	141.5	121.0
52.5°	8971.2	8700.6	7593.3	3112.3	1000.6	384.1	224.3	284.2	187.2	134.7	113.0
55°	9569.9	9373.5	8238.9	3332.6	925.8	320.2	194.0	244.3	180.3	122.1	105.5
57.5°	10144.1	9983.7	8827.3	3483.3	825.9	250.0	169.0	196.9	165.0	107.3	94.2
59°	10301.0	10125.7	9043.1	3490.1	751.1	218.1	156.4	162.6	161.5	100.4	87.3
60°	10301.0	10114.9	9105.2	3453.6	696.9	200.4	148.4	144.9	168.3	95.9	83.4
62.5°	10114.4	9853.0	8903.3	3206.5	568.4	170.7	129.6	119.9	151.3	86.2	73.6
65°	9726.3	9345.6	8214.9	2759.6	506.9	156.4	111.9	98.2	105.0	75.9	64.5
67.5°	9079.0	8563.1	7222.4	2229.4	482.3	152.4	96.4	83.4	79.4	65.0	56.5
70°	7939.2	7366.8	6017.5	1752.8	461.2	150.7	81.0	70.2	63.9	54.8	48.0
72.5°	5778.3	5181.4	4272.1	1370.4	448.6	154.1	65.0	58.8	52.5	42.9	37.1
75°	3305.2	2914.3	2401.2	905.2	382.4	147.3	50.2	49.1	37.6	30.8	25.7
77.5°	1707.7	1655.7	1438.9	347.6	183.2	64.5	33.1	28.5	22.3	18.8	15.4
80°	736.9	728.8	630.7	100.4	48.5	36.0	18.8	12.0	10.2	8.0	6.2
82.5°	254.6	254.6	224.3	33.6	21.7	17.7	2.3	0.0	0.0	0.0	0.0
85°	51.3	57.7	40.5	0.0	7.5	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°	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5
2.5°	3422.8	3353.8	3349.2	3305.8	3251.6	3227.1	3212.8	3237.9	3268.7	3272.2	3318.4
5°	2656.9	2584.4	2614.7	2537.5	2553.0	2537.5	2512.5	2517.0	2530.7	2487.9	2541.0
7.5°	1865.8	1811.0	1845.9	1825.3	1852.7	1863.6	1848.1	1825.3	1757.9	1749.9	1796.2
10°	1406.4	1344.1	1307.1	1268.2	1276.8	1294.5	1288.8	1272.2	1229.4	1231.7	1276.2
12.5°	1130.1	1060.5	986.9	891.5	868.1	881.2	868.1	858.4	817.3	820.8	860.1
15°	857.3	800.2	723.2	646.7	605.0	609.0	572.4	546.8	521.1	490.3	514.2
17.5°	578.8	543.9	521.1	498.3	448.6	437.2	391.0	341.3	321.9	307.6	317.9
20°	409.8	391.0	381.8	380.7	352.1	337.9	292.8	262.0	252.3	249.4	255.7
22.5°	342.4	328.7	315.6	308.2	293.9	277.4	243.1	227.8	220.9	217.4	222.0
25°	297.9	287.7	274.0	261.4	255.7	238.0	213.4	202.1	197.5	194.0	196.4
27.5°	264.8	255.7	239.7	231.8	227.2	211.7	190.6	181.5	177.5	176.3	175.8
30°	238.6	230.0	215.2	206.1	198.0	184.4	171.8	162.6	158.6	157.5	156.4
32.5°	212.3	205.5	195.8	186.7	178.1	165.5	154.6	147.3	140.9	139.8	139.3
35°	179.2	172.3	167.2	166.7	158.6	146.7	138.7	129.0	123.9	122.1	122.7
37.5°	159.2	150.1	138.7	142.7	140.4	131.8	121.0	111.3	106.2	105.0	105.0
40°	146.7	136.9	123.9	117.0	123.9	122.1	105.0	95.3	90.2	89.6	88.5
42.5°	134.7	125.0	110.2	98.7	102.2	107.3	90.7	81.6	76.5	75.4	73.6
45°	126.1	115.9	99.3	86.2	79.4	90.2	77.6	66.2	63.3	61.1	59.9
47.5°	118.1	108.4	89.6	74.8	63.3	65.0	62.2	54.2	50.8	48.5	48.0
50°	111.3	101.0	81.0	63.9	52.5	48.0	50.2	42.9	40.0	37.6	36.5
52.5°	103.3	93.6	71.9	55.3	44.0	37.6	38.3	33.6	30.8	29.1	28.5
55°	97.1	87.3	64.5	48.5	38.8	30.8	27.4	26.3	24.5	23.4	22.8
57.5°	88.5	79.4	57.1	41.1	33.1	25.2	21.1	21.1	20.6	19.4	18.8
59°	83.4	75.4	52.5	37.1	30.3	21.7	18.8	19.4	18.8	17.7	17.1
60°	79.4	71.9	49.1	34.3	28.5	19.9	17.1	18.3	17.7	16.6	16.0
62.5°	70.2	65.0	42.2	28.5	25.2	16.0	14.3	15.4	15.4	14.8	14.3
65°	61.7	55.9	36.0	23.9	23.4	13.7	11.5	13.7	14.3	13.1	12.0
67.5°	53.7	48.0	31.4	19.4	21.7	10.8	8.6	11.5	15.4	12.0	10.8
70°	45.6	40.0	24.5	15.4	22.8	7.5	6.9	10.2	18.3	13.1	10.2
72.5°	35.4	30.8	17.1	11.5	24.5	5.1	5.1	8.6	20.6	14.3	9.7
75°	24.5	19.9	10.2	6.9	19.9	3.4	3.4	8.0	19.4	13.1	9.1
77.5°	14.3	10.8	3.4	0.6	10.2	0.0	0.6	5.7	13.7	8.0	4.0
80°	5.1	2.3	0.0	0.0	6.2	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°	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5
2.5°	3330.4	3407.4	3476.4	3581.0	3704.8	3847.5	3970.2	4102.0	4225.9	4277.2	4312.6
5°	2551.9	2647.2	2758.5	2912.0	3116.3	3368.0	3603.8	3870.3	4156.8	4300.1	4434.8
7.5°	1804.1	1901.2	2039.3	2202.6	2449.7	2749.4	3057.5	3425.7	3813.8	4040.4	4263.5
10°	1297.4	1416.6	1545.6	1768.7	2019.9	2304.2	2621.5	3032.5	3465.1	3716.2	3985.0
12.5°	882.9	1018.8	1214.0	1464.0	1759.0	2037.6	2313.3	2705.4	3207.7	3456.5	3744.7
15°	529.7	605.0	811.7	1101.0	1462.8	1809.9	2111.8	2505.0	3040.4	3345.2	3644.9
17.5°	326.5	361.3	473.7	711.1	1091.3	1530.2	1944.0	2437.1	3064.4	3435.4	3756.2
20°	260.3	274.0	309.9	420.0	723.2	1222.0	1755.0	2423.4	3260.1	3716.8	4060.9
22.5°	226.0	239.1	263.2	305.4	454.9	915.0	1575.9	2436.0	3541.0	4138.6	4540.4
25°	199.2	210.6	233.4	268.3	333.3	644.4	1384.1	2491.9	3906.8	4661.9	5088.9
27.5°	178.1	187.8	208.9	240.9	286.0	449.8	1166.7	2559.8	4340.6	5197.3	5618.5
30°	158.6	167.2	186.0	215.7	248.3	345.9	928.0	2606.1	4774.9	5618.5	5996.9
32.5°	142.2	148.4	165.5	190.6	215.7	275.6	705.5	2598.6	5097.4	5969.0	6269.2
35°	125.0	131.3	146.2	167.8	187.8	227.8	554.7	2459.9	5378.2	6332.6	6580.8
37.5°	106.2	114.1	128.5	147.8	161.5	200.4	448.6	2292.7	5663.1	6748.0	6928.4
40°	90.2	98.2	110.8	131.8	140.4	190.0	344.8	2089.0	5983.2	7212.6	7309.7
42.5°	74.8	82.2	95.3	113.6	132.4	163.8	255.2	1856.1	6290.8	7609.9	7657.2
45°	60.5	67.9	81.6	99.9	141.5	135.8	197.5	1606.6	6539.2	7940.3	7955.8
47.5°	48.0	54.8	69.0	94.2	131.8	108.4	140.9	1410.9	6747.5	8198.4	8157.8
50°	37.1	42.9	57.7	107.9	115.3	89.6	106.8	1345.8	6934.1	8358.1	8253.1
52.5°	29.1	34.3	47.4	101.0	89.6	74.2	89.6	1406.9	7189.8	8490.6	8306.8
55°	23.4	28.5	37.1	57.7	61.1	62.8	76.5	1464.0	7631.1	8801.1	8623.5
57.5°	19.4	24.5	30.3	40.5	46.2	53.1	67.9	1470.3	8150.9	9317.1	9149.2
59°	17.7	22.3	27.4	36.0	40.5	48.5	63.9	1436.0	8334.2	9504.8	9420.9
60°	16.6	21.1	25.7	33.1	37.6	45.6	61.7	1403.5	8342.2	9498.0	9536.7
62.5°	14.3	18.8	22.8	27.9	32.0	38.8	55.3	1283.0	8004.3	9186.9	9467.1
65°	12.6	16.6	20.6	23.9	27.4	34.8	50.2	1063.4	7427.2	8685.2	8990.6
67.5°	11.5	14.3	18.8	21.1	24.5	30.8	44.5	758.0	6706.4	8071.7	8269.7
70°	10.2	13.7	17.1	19.4	22.3	26.8	38.3	435.5	5663.1	7173.3	7314.2
72.5°	9.7	13.1	15.4	18.3	19.9	23.9	34.8	204.9	4146.5	5746.3	6114.5
75°	8.6	12.0	14.3	17.1	18.8	21.7	29.7	98.2	2757.8	4158.5	4576.9
77.5°	5.1	9.7	13.1	15.4	16.6	18.8	24.5	56.5	1760.3	2878.3	3390.3
80°	0.0	3.4	9.7	13.1	14.3	16.0	18.8	44.5	941.7	1644.4	1973.7
82.5°	0.0	0.0	6.9	10.2	9.7	10.8	14.3	27.9	424.6	1074.7	1211.1
85°	0.0	0.0	2.3	8.0	6.9	5.1	9.7	9.7	93.1	543.9	678.6
87.5°	0.0	0.0	0.0	0.6	3.4	2.3	4.0	1.1	0.6	40.5	164.4
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-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5	3924.5
2.5°	4436.5	4478.7	4550.1	4583.8	4567.2	4497.0	4413.1	4327.5	4277.2	4297.2
5°	4709.3	4926.8	5052.3	5094.0	5024.4	4866.9	4660.8	4389.1	4292.7	4266.4
7.5°	4709.3	5118.6	5377.6	5423.3	5268.1	4959.3	4572.9	4148.8	4007.9	3956.5
10°	4543.8	5100.9	5462.1	5534.6	5317.7	4856.0	4338.3	3854.3	3687.1	3634.0
12.5°	4357.1	4957.0	5337.7	5437.6	5259.5	4753.2	4175.7	3655.1	3458.2	3412.0
15°	4242.5	4780.1	5095.1	5167.7	5092.3	4693.3	4136.8	3595.2	3363.4	3318.9
17.5°	4283.5	4643.1	4756.7	4799.0	4849.7	4672.2	4242.5	3726.5	3433.1	3390.8
20°	4438.2	4498.7	4439.9	4492.9	4630.0	4692.8	4494.2	4043.8	3691.6	3635.2
22.5°	4700.8	4423.9	4258.9	4280.1	4446.7	4760.7	4878.8	4497.0	4090.6	4019.8
25°	5006.7	4484.5	4158.5	4139.7	4310.9	4850.3	5230.5	4990.1	4562.6	4484.5
27.5°	5391.3	4620.3	4137.9	4119.1	4263.5	4934.2	5522.7	5477.5	5059.8	4926.2
30°	5688.1	4753.8	4199.0	4155.6	4310.9	4992.4	5757.2	5891.4	5455.9	5367.4
32.5°	5901.1	4911.4	4298.3	4235.6	4444.5	5092.9	5938.2	6270.3	5822.3	5688.1
35°	6063.2	5082.6	4458.8	4355.5	4628.3	5245.3	6107.7	6673.9	6212.1	6065.4
37.5°	6215.0	5322.9	4709.3	4586.0	4916.5	5490.6	6286.9	7131.6	6648.2	6473.0
40°	6426.7	5595.2	5095.8	4986.1	5401.0	5825.2	6510.6	7608.8	7144.1	6923.8
42.5°	6638.5	5887.4	5491.3	5520.9	6005.5	6231.5	6799.5	8113.3	7633.8	7398.7
45°	6832.0	6188.7	6054.6	6191.5	6566.6	6677.2	7086.5	8405.0	8024.8	7797.7
47.5°	7004.3	6565.4	6614.5	6979.2	7204.7	7080.8	7301.1	8656.7	8315.9	8115.5
50°	7204.7	7052.8	7352.5	7868.4	7939.2	7446.0	7496.3	8954.6	8656.1	8495.2
52.5°	7423.8	7566.5	8169.8	8624.7	8601.8	7842.8	7692.6	9288.5	9122.4	8971.2
55°	7672.7	7981.4	8889.5	9332.4	9313.1	8285.7	8018.0	9701.1	9706.8	9569.9
57.5°	8042.0	8338.7	9378.1	9904.9	9937.5	8797.1	8569.3	10163.5	10235.4	10144.1
59°	8306.8	8570.4	9571.6	10144.1	10276.5	9192.6	8972.3	10431.7	10384.3	10301.0
60°	8503.2	8717.7	9667.5	10269.0	10473.4	9460.9	9269.6	10589.3	10402.0	10301.0
62.5°	8988.9	9038.5	9840.4	10410.6	10699.9	10056.7	10106.4	10857.5	10279.3	10114.4
65°	9215.4	9241.1	9838.1	10157.1	10480.7	10520.7	10865.5	10865.5	9979.7	9726.3
67.5°	9120.7	8996.8	9350.1	9317.1	9640.0	10245.1	11150.9	10467.1	9406.7	9079.0
70°	8350.1	7873.5	7716.7	7730.9	7978.1	8911.2	10585.8	9294.8	8322.2	7939.2
72.5°	6947.9	5804.6	5417.0	5859.3	5923.9	6848.5	9021.4	6999.7	6137.3	5778.3
75°	5588.3	4091.7	3461.6	3928.5	4038.1	5011.8	6978.6	4359.5	3584.9	3305.2
77.5°	4014.7	2937.1	2484.0	2451.4	2593.0	3178.5	4951.9	2194.0	1829.8	1707.7
80°	2280.7	1933.1	2081.5	1964.0	2035.3	1987.4	2352.6	962.3	788.2	736.9
82.5°	1376.6	1142.6	1237.4	1030.2	1303.6	1135.3	906.4	308.2	267.7	254.6
85°	895.5	624.4	325.3	218.1	449.2	725.4	202.6	83.9	64.5	51.3
87.5°	308.8	159.2	16.0	6.9	48.0	135.3	7.5	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)