

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: P648768

Luminaire Tested: **GLAN-SA2C-835-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-835-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6120 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

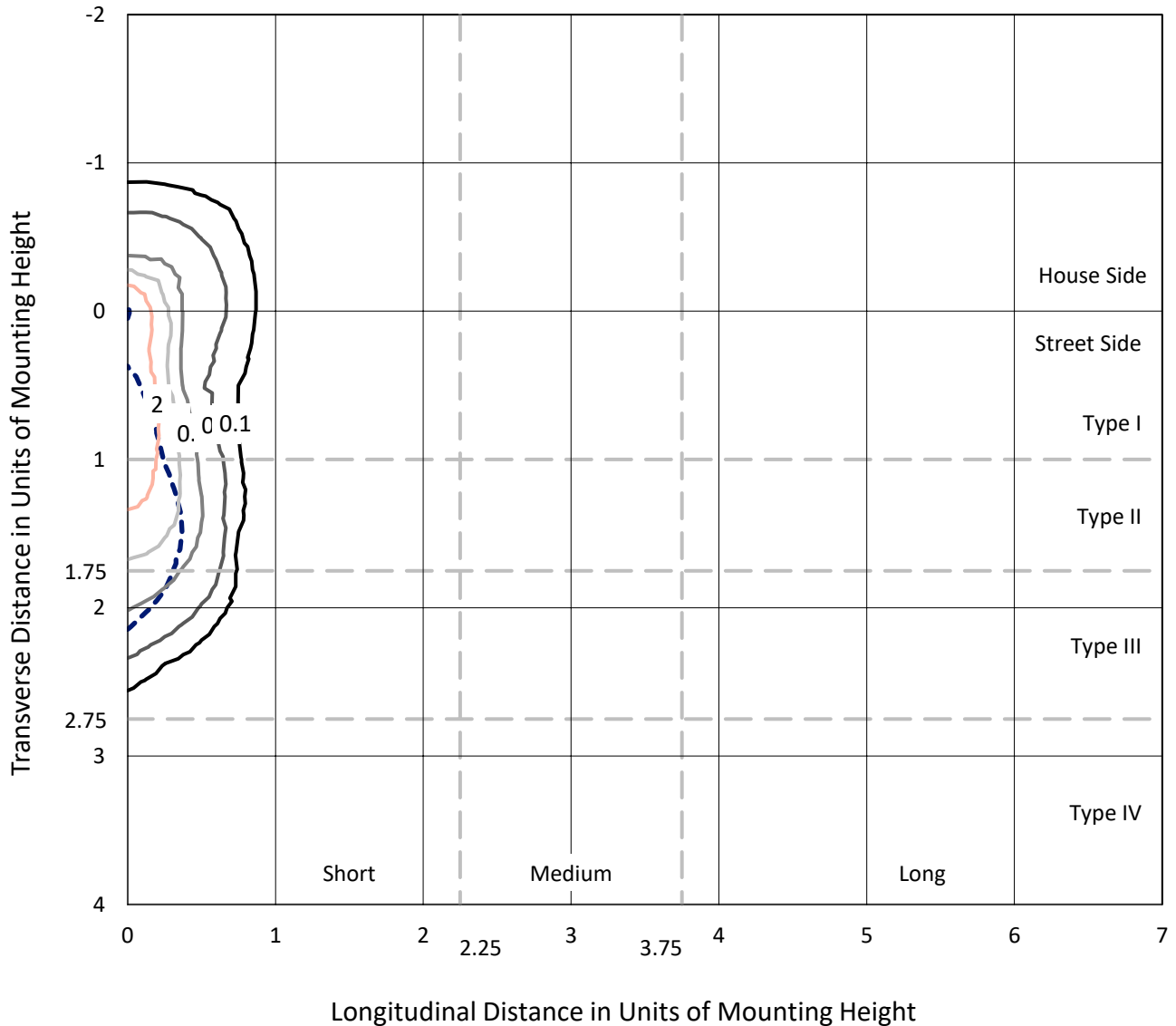
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

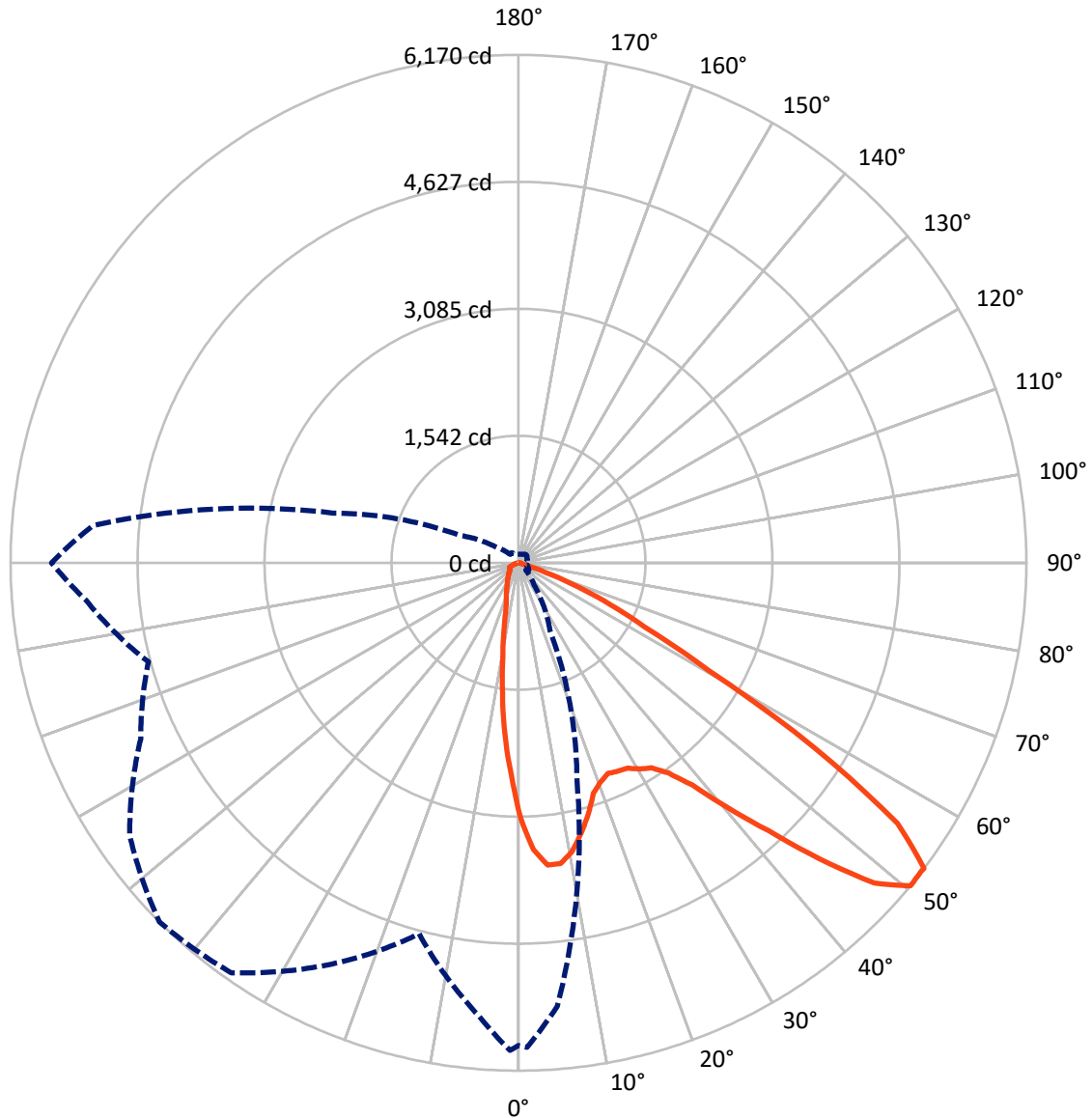
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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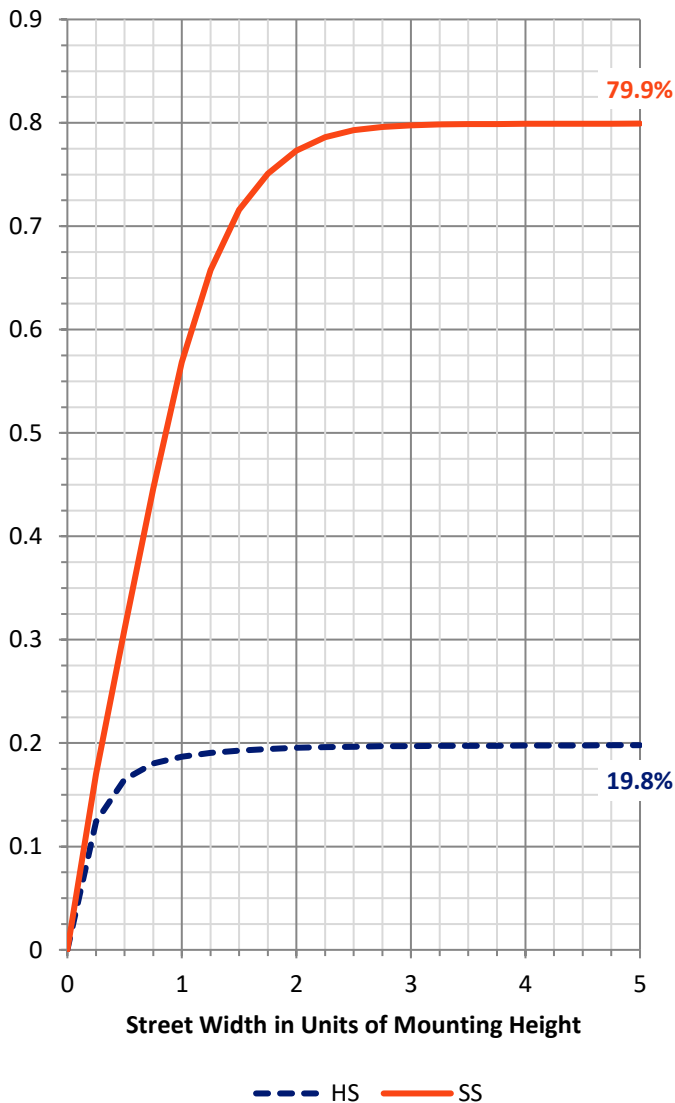
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1225.8	0.0	1225.8
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	4894.1	0.0	4894.1
	% Fixture	80.0	0.0	80.0
Total	Lumens	6120.0	0.0	6120.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	3.7
10°-20°	449.6	7.3
20°-30°	675.4	11.0
30°-40°	1013.8	16.6
40°-50°	1424.8	23.3
50°-60°	1536.9	25.1
60°-70°	713.6	11.7
70°-80°	67.1	1.1
80°-90°	12.4	0.2
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°	6120.0	100.0
0°-180°	6120.0	100.0

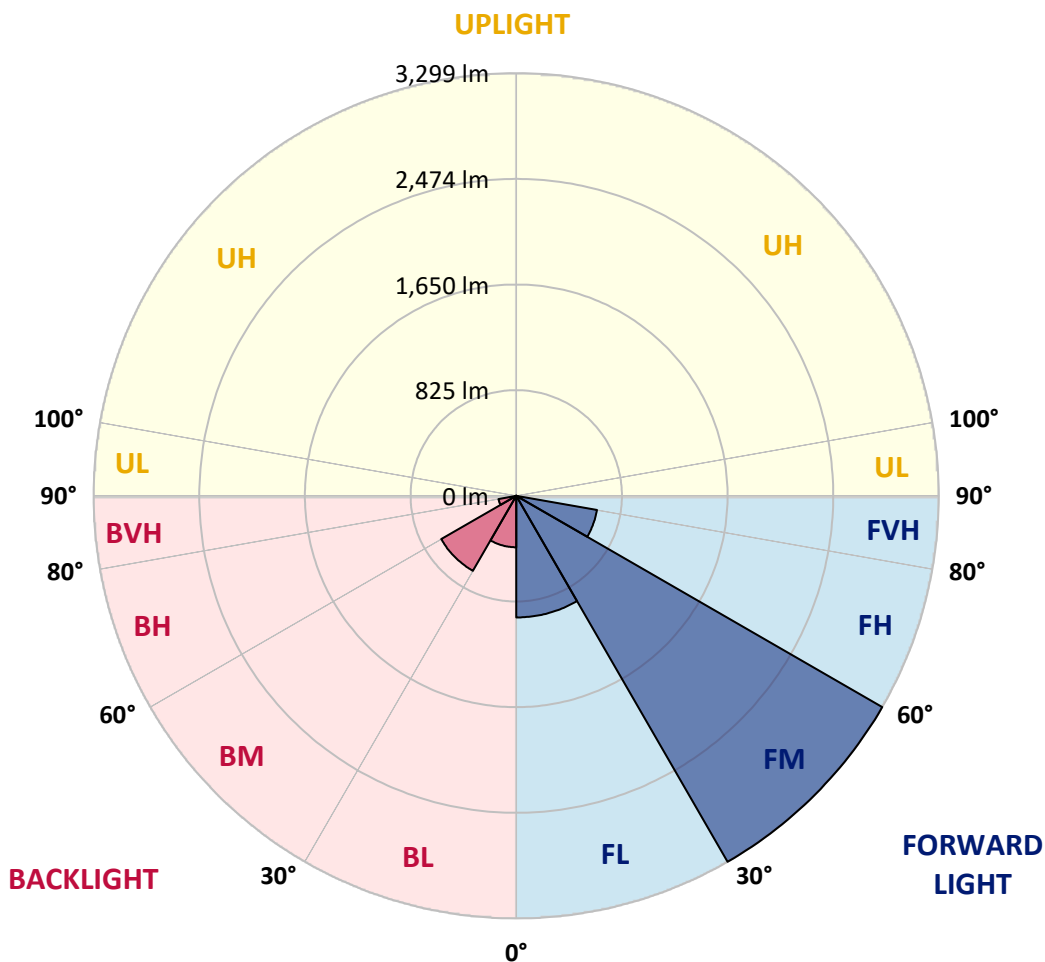


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	949.5	15.5			
FM (30°-60°)	3299.1	53.9			
FH (60°-80°)	640.0	10.5			G0/660
FVH (80°-90°)	5.6	0.1			G0/10
BL (0°-30°)	401.8	6.6	B1/500		
BM (30°-60°)	676.5	11.1	B1/1000		
BH (60°-80°)	140.8	2.3	B1/500		G1/500
BVH (80°-90°)	6.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6
2.5°	3226.2	3176.4	3113.3	3061.1	2983.4	2826.7	2784.3	2733.2	2690.7	2633.7	2553.5
5°	2933.6	2917.8	2888.6	2692.0	2549.9	2360.4	2205.0	2139.5	2053.3	1982.9	1931.8
7.5°	2710.2	2647.0	2554.8	2356.8	2129.8	1927.0	1754.5	1653.8	1539.6	1500.8	1431.6
10°	2471.0	2485.6	2349.5	2071.5	1797.1	1633.1	1526.3	1429.1	1325.9	1258.0	1159.6
12.5°	2394.5	2347.1	2242.7	1899.1	1664.7	1511.7	1381.8	1261.6	1152.3	1043.0	948.3
15°	2444.2	2371.4	2225.7	1862.6	1562.7	1372.1	1209.3	1046.6	945.9	806.3	707.9
17.5°	2622.7	2564.5	2369.0	1901.5	1510.5	1238.5	996.9	829.4	675.1	548.8	499.1
20°	2920.2	2837.7	2592.4	1951.2	1432.8	1077.0	808.7	602.3	456.6	403.1	375.2
22.5°	3211.6	3166.7	2857.1	2047.2	1363.6	933.7	607.1	405.5	341.2	331.5	313.3
25°	3766.5	3631.8	3261.4	2220.8	1310.2	799.0	457.7	326.6	289.0	281.7	284.2
27.5°	4096.8	3983.9	3635.4	2336.2	1250.7	695.8	387.4	299.9	274.4	258.6	252.6
30°	4413.7	4282.6	3821.2	2404.2	1123.1	586.5	343.7	287.8	281.7	258.6	251.3
32.5°	4657.8	4529.1	4089.5	2506.1	1071.0	516.1	282.9	224.6	208.8	206.4	228.2
35°	5031.8	4894.5	4319.0	2562.1	1030.9	479.6	245.2	200.4	182.1	174.8	176.1
37.5°	5380.2	5286.7	4531.5	2583.9	988.4	468.7	219.8	179.7	164.0	159.0	157.9
40°	5671.7	5462.8	4733.1	2606.9	970.1	448.0	204.0	164.0	153.0	145.7	145.7
42.5°	5805.2	5592.7	4958.9	2593.6	965.3	415.3	204.0	150.6	142.0	134.8	133.6
45°	5776.1	5689.9	5059.7	2587.5	965.3	382.5	185.8	146.9	134.8	125.0	122.6
47.5°	5851.4	5738.5	5186.0	2613.0	945.9	359.4	156.6	154.2	127.5	115.3	112.9
50°	5864.7	5886.6	5405.8	2745.4	903.4	330.3	122.6	151.7	122.6	104.5	102.0
52°	5952.1	5816.2	5472.5	2815.8	858.5	308.4	103.2	129.9	117.8	97.2	94.7
52.5°	5831.9	5920.6	5488.4	2841.3	863.3	293.9	99.6	127.5	115.3	97.2	91.1
55°	5697.2	5782.1	5424.0	2895.9	791.7	230.7	77.7	92.3	104.5	85.0	81.4
57.5°	4951.6	5037.8	4713.7	2651.9	644.7	162.7	64.4	69.2	92.3	78.9	75.2
60°	4401.6	4339.7	3956.0	2212.4	457.7	91.1	51.0	53.4	100.8	72.8	71.6
62.5°	4022.7	3890.4	3306.4	1708.4	279.3	60.7	40.1	41.3	77.7	68.0	68.0
65°	2976.1	2828.0	2196.5	1033.3	137.2	42.5	30.4	32.8	48.5	58.3	58.3
67.5°	1698.7	1641.6	1061.2	466.3	57.1	26.7	23.1	25.5	37.7	47.4	44.9
70°	780.7	700.6	407.9	98.3	26.7	18.2	18.2	20.7	30.4	35.2	32.8
72.5°	228.2	216.1	99.6	15.8	11.0	11.0	12.1	15.8	23.1	26.7	24.3
75°	17.0	11.0	7.3	4.9	4.9	7.3	9.7	15.8	23.1	25.5	20.7
77.5°	1.3	2.4	1.3	1.3	3.7	7.3	11.0	19.4	30.4	31.6	23.1
80°	1.3	1.3	0.0	1.3	3.7	7.3	12.1	21.8	34.0	36.4	19.4
82.5°	0.0	0.0	0.0	1.3	4.9	9.7	14.6	23.1	31.6	38.8	20.7
85°	0.0	0.0	0.0	1.3	7.3	13.4	17.0	6.1	3.7	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°	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6
2.5°	2610.6	2579.0	2566.9	2577.8	2574.2	2570.5	2637.3	2622.7	2620.3	2642.2	2637.3
5°	1959.8	1903.9	2056.9	1995.0	2059.4	2098.2	2105.5	2109.1	2154.0	2106.7	2168.6
7.5°	1396.4	1411.0	1409.7	1451.0	1525.0	1590.7	1629.5	1599.1	1596.7	1590.7	1564.0
10°	1115.9	1090.4	1085.6	1075.8	1098.9	1154.8	1202.1	1164.5	1137.7	1174.2	1163.2
12.5°	911.9	876.6	857.2	818.4	819.6	857.2	857.2	857.2	883.9	904.6	920.4
15°	699.4	670.2	670.2	631.4	622.9	624.1	643.5	646.0	688.5	700.6	706.7
17.5°	489.3	473.6	491.8	507.5	497.8	500.3	507.5	510.0	516.1	511.2	523.4
20°	376.4	374.0	378.8	406.8	427.4	439.6	431.0	418.9	411.6	394.6	394.6
22.5°	319.3	324.2	332.7	355.8	382.5	389.8	380.1	352.1	330.3	327.8	329.1
25°	284.2	289.0	302.3	316.9	331.5	343.7	333.9	313.3	301.1	290.2	290.2
27.5°	262.3	264.7	272.0	282.9	295.0	304.7	301.1	290.2	276.9	272.0	261.1
30°	245.2	248.9	257.5	259.9	270.8	275.6	269.6	267.2	258.6	252.6	248.9
32.5°	236.8	235.5	241.6	244.1	245.2	248.9	241.6	245.2	244.1	234.4	230.7
35°	178.5	188.2	204.0	217.4	221.0	225.8	224.6	219.8	206.4	195.5	182.1
37.5°	160.3	166.4	174.8	185.8	200.4	206.4	204.0	191.8	176.1	168.8	166.4
40°	148.1	151.7	159.0	166.4	181.0	191.8	183.4	172.4	160.3	154.2	150.6
42.5°	137.2	138.4	142.0	149.3	160.3	177.3	162.7	148.1	143.3	139.6	137.2
45°	125.0	125.0	129.9	133.6	145.7	161.5	146.9	133.6	131.2	128.7	127.5
47.5°	115.3	116.6	119.0	123.9	133.6	144.5	134.8	123.9	117.8	116.6	114.2
50°	103.2	104.5	109.3	114.2	126.3	132.3	126.3	114.2	108.1	104.5	104.5
52°	93.5	97.2	102.0	111.7	120.2	129.9	122.6	109.3	102.0	98.3	95.9
52.5°	92.3	94.7	99.6	110.5	120.2	128.7	121.4	108.1	99.6	97.2	94.7
55°	82.6	86.2	94.7	108.1	119.0	128.7	119.0	106.9	94.7	88.6	86.2
57.5°	78.9	81.4	92.3	109.3	117.8	128.7	119.0	106.9	94.7	83.8	81.4
60°	75.2	80.1	92.3	105.6	116.6	129.9	120.2	105.6	92.3	78.9	78.9
62.5°	71.6	75.2	91.1	103.2	111.7	125.0	115.3	103.2	88.6	75.2	74.1
65°	61.9	68.0	80.1	86.2	95.9	108.1	98.3	89.9	77.7	66.8	65.5
67.5°	47.4	49.8	59.5	66.8	72.8	83.8	78.9	68.0	59.5	51.0	51.0
70°	32.8	35.2	42.5	46.1	52.2	58.3	54.7	46.1	40.1	35.2	34.0
72.5°	23.1	24.3	26.7	29.1	31.6	34.0	32.8	26.7	23.1	21.8	20.7
75°	18.2	20.7	21.8	20.7	19.4	18.2	18.2	15.8	13.4	12.1	12.1
77.5°	18.2	19.4	18.2	15.8	13.4	12.1	11.0	9.7	7.3	6.1	7.3
80°	15.8	15.8	15.8	13.4	12.1	11.0	9.7	8.5	7.3	6.1	6.1
82.5°	17.0	17.0	15.8	13.4	13.4	11.0	11.0	9.7	8.5	6.1	6.1
85°	0.0	0.0	0.0	2.4	6.1	11.0	11.0	9.7	8.5	7.3	7.3
87.5°	0.0	0.0	0.0	0.0	1.3	2.4	4.9	6.1	7.3	7.3	7.3
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°	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6
2.5°	2681.0	2727.2	2814.6	2902.0	2955.4	3018.5	3132.7	3193.5	3272.4	3311.2	3387.7
5°	2160.1	2269.4	2308.3	2407.8	2514.7	2621.6	2791.6	2978.5	3134.0	3240.8	3379.2
7.5°	1576.1	1601.5	1752.1	1818.9	1993.8	2188.0	2419.9	2655.5	2852.2	3027.1	3132.7
10°	1181.5	1275.0	1369.6	1497.2	1638.0	1838.3	2060.5	2320.4	2575.4	2750.2	2883.8
12.5°	949.5	1023.6	1149.9	1287.1	1460.7	1593.1	1816.5	2073.9	2404.2	2575.4	2751.5
15°	718.8	813.5	956.8	1098.9	1282.2	1421.8	1647.7	1971.9	2396.9	2632.4	2784.3
17.5°	533.1	597.4	726.1	885.2	1072.2	1268.9	1573.7	1960.9	2478.3	2758.7	2915.3
20°	407.9	429.9	511.2	653.3	856.1	1113.4	1453.4	2008.3	2718.7	3065.9	3225.0
22.5°	330.3	340.0	371.5	469.9	666.6	977.4	1396.4	2041.1	2989.4	3433.8	3646.4
25°	287.8	285.3	306.0	348.5	520.9	849.9	1323.5	2165.0	3320.9	3866.1	4056.7
27.5°	262.3	262.3	272.0	302.3	432.3	767.4	1277.4	2253.6	3654.8	4246.1	4349.4
30°	248.9	251.3	279.3	289.0	359.4	669.1	1200.9	2343.4	3974.2	4489.0	4631.1
32.5°	230.7	221.0	214.9	239.2	302.3	580.4	1124.4	2381.1	4232.8	4786.5	4907.9
35°	177.3	172.4	179.7	197.9	259.9	505.1	1039.4	2423.6	4530.3	5131.3	5155.7
37.5°	160.3	159.0	164.0	179.7	218.5	439.6	978.7	2412.7	4757.4	5416.7	5351.1
40°	148.1	148.1	151.7	165.1	195.5	393.4	915.6	2402.9	4977.1	5737.3	5545.4
42.5°	138.4	138.4	144.5	153.0	185.8	363.1	868.2	2389.6	5161.7	5934.0	5659.5
45°	125.0	128.7	138.4	146.9	188.2	342.4	833.0	2338.6	5224.8	5931.5	5604.9
47.5°	115.3	120.2	129.9	142.0	170.0	336.4	808.7	2293.7	5203.0	5785.8	5433.7
50°	104.5	110.5	123.9	144.5	144.5	324.2	783.2	2333.7	5187.2	5672.9	5269.7
52°	97.2	102.0	119.0	140.9	126.3	298.7	767.4	2411.5	5251.6	5658.3	5196.9
52.5°	95.9	99.6	115.3	138.4	120.2	293.9	756.5	2429.6	5272.2	5621.9	5246.7
55°	85.0	89.9	105.6	108.1	98.3	241.6	721.2	2471.0	5170.2	5550.2	5199.4
57.5°	80.1	82.6	93.5	88.6	85.0	182.1	620.4	2406.6	4592.2	4929.8	4837.5
60°	74.1	76.5	87.5	69.2	71.6	127.5	466.3	2089.7	3687.6	4107.8	4274.1
62.5°	71.6	70.4	82.6	55.8	60.7	92.3	329.1	1698.7	2841.3	3381.6	3669.4
65°	63.1	61.9	59.5	47.4	52.2	71.6	196.7	1108.6	2002.3	2558.4	2716.2
67.5°	48.5	51.0	43.7	37.7	43.7	55.8	109.3	496.7	1050.3	1534.8	1662.3
70°	34.0	36.4	35.2	32.8	38.8	46.1	63.1	170.0	434.7	806.3	888.8
72.5°	20.7	25.5	26.7	28.0	34.0	40.1	44.9	54.7	115.3	285.3	354.5
75°	12.1	17.0	20.7	24.3	28.0	34.0	37.7	38.8	40.1	53.4	86.2
77.5°	8.5	12.1	18.2	23.1	28.0	34.0	40.1	42.5	40.1	37.7	40.1
80°	7.3	12.1	17.0	21.8	29.1	35.2	40.1	40.1	38.8	34.0	36.4
82.5°	7.3	12.1	18.2	23.1	28.0	34.0	38.8	40.1	36.4	34.0	35.2
85°	8.5	13.4	19.4	24.3	30.4	28.0	25.5	20.7	19.4	15.8	17.0
87.5°	8.5	12.1	12.1	13.4	14.6	14.6	14.6	13.4	11.0	9.7	9.7
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: GLAN-SA2C-835-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6	3103.6
2.5°	3391.3	3488.5	3484.8	3487.2	3472.7	3374.3	3327.0	3206.8	3240.8	3226.2
5°	3521.3	3617.2	3699.8	3690.0	3578.3	3444.8	3246.9	3059.9	3008.8	2933.6
7.5°	3391.3	3622.1	3698.6	3687.6	3522.5	3351.2	3035.6	2848.6	2759.9	2710.2
10°	3184.9	3452.1	3546.8	3566.2	3454.5	3194.6	2904.5	2604.5	2557.2	2471.0
12.5°	3067.2	3261.4	3319.7	3371.9	3333.1	3138.8	2804.9	2517.1	2451.5	2394.5
15°	2971.3	3086.6	3110.9	3170.4	3193.5	3089.0	2857.1	2611.8	2450.3	2444.2
17.5°	3059.9	3012.5	2923.9	2942.0	3014.9	3090.2	2991.8	2798.8	2642.2	2622.7
20°	3206.8	2998.0	2797.6	2842.5	2903.2	3134.0	3195.9	3059.9	2970.0	2920.2
22.5°	3375.6	3023.4	2757.5	2779.3	2894.8	3232.3	3526.2	3450.8	3283.3	3211.6
25°	3687.6	3093.9	2789.1	2803.7	2961.5	3369.5	3824.8	3880.7	3781.1	3766.5
27.5°	3992.4	3276.0	2858.3	2825.5	2995.5	3503.1	4005.7	4305.6	4130.8	4096.8
30°	4147.8	3424.1	2961.5	2905.6	3136.4	3584.4	4115.1	4582.5	4429.5	4413.7
32.5°	4385.8	3558.9	3041.6	2970.0	3215.3	3685.2	4319.0	4884.8	4736.7	4657.8
35°	4485.3	3705.9	3217.7	3134.0	3441.1	3826.1	4423.5	5154.4	5108.3	5031.8
37.5°	4677.3	3863.7	3425.3	3420.5	3714.3	4009.4	4611.6	5521.1	5512.6	5380.2
40°	4693.0	4036.1	3753.2	3906.2	4136.9	4328.7	4776.8	5623.1	5761.5	5671.7
42.5°	4717.3	4338.4	4320.2	4446.5	4644.4	4603.2	4782.9	5647.4	5858.6	5805.2
45°	4728.2	4640.8	4897.0	5130.1	5212.7	4962.6	4725.8	5601.3	5909.7	5776.1
47.5°	4640.8	4900.6	5363.2	5813.8	5838.0	5183.5	4701.5	5553.9	5940.0	5851.4
50°	4652.9	5063.3	5766.4	6169.5	6080.9	5379.1	4663.9	5524.8	5924.3	5864.7
52°	4623.8	5066.9	5823.5	6162.2	6100.3	5271.0	4599.5	5413.0	5909.7	5952.1
52.5°	4656.6	5045.1	5764.0	6167.1	6087.0	5324.4	4591.0	5475.0	5918.1	5831.9
55°	4543.7	4785.3	5415.5	5586.7	5574.6	4832.7	4329.9	5269.7	5695.9	5697.2
57.5°	4106.5	4147.8	4247.4	4243.7	4187.9	3799.4	3703.4	4846.0	5077.9	4951.6
60°	3618.4	3036.8	2768.5	2659.1	2597.2	2534.1	3276.0	4433.2	4455.0	4401.6
62.5°	3126.7	2105.5	1748.5	1718.1	1732.7	1963.5	3166.7	4269.2	4138.1	4022.7
65°	2523.1	1534.8	1270.1	1230.0	1372.1	1621.0	2563.2	3273.6	3072.0	2976.1
67.5°	1584.6	1119.5	858.5	783.2	954.4	1115.9	1684.2	2056.9	1831.0	1698.7
70°	939.8	625.3	388.5	348.5	392.2	595.0	943.4	1026.0	848.8	780.7
72.5°	370.4	229.5	108.1	92.3	95.9	208.8	347.3	338.8	256.2	228.2
75°	99.6	69.2	37.7	30.4	25.5	38.8	55.8	36.4	13.4	17.0
77.5°	46.1	41.3	32.8	25.5	19.4	14.6	7.3	2.4	2.4	1.3
80°	40.1	35.2	30.4	25.5	19.4	12.1	6.1	1.3	1.3	1.3
82.5°	37.7	32.8	28.0	23.1	18.2	12.1	6.1	1.3	0.0	0.0
85°	15.8	20.7	23.1	21.8	19.4	12.1	6.1	1.3	0.0	0.0
87.5°	8.5	7.3	6.1	4.9	3.7	2.4	2.4	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)