

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: P531953

Luminaire Tested: **GLAN-SA7B-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-735-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20410 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

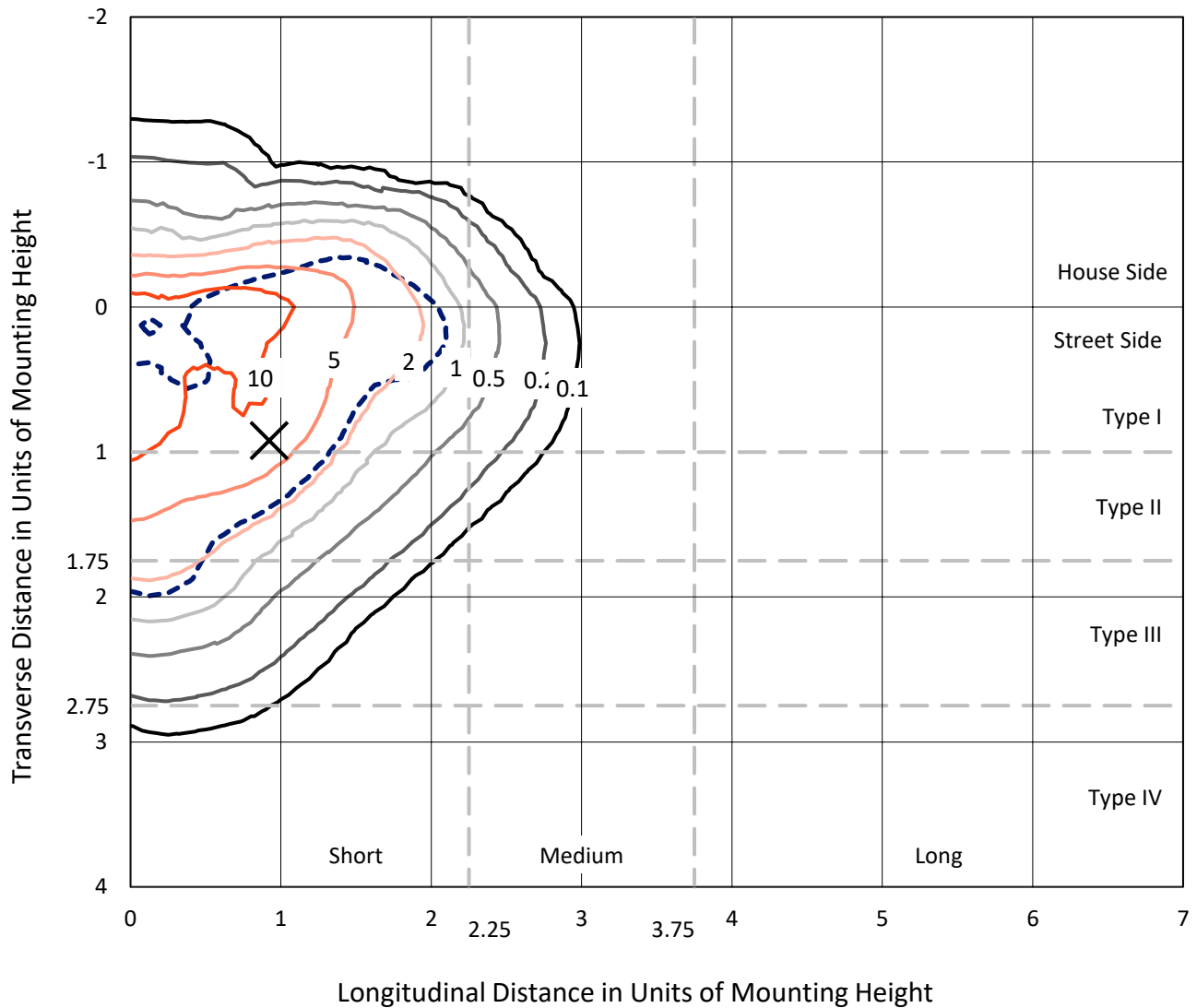
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

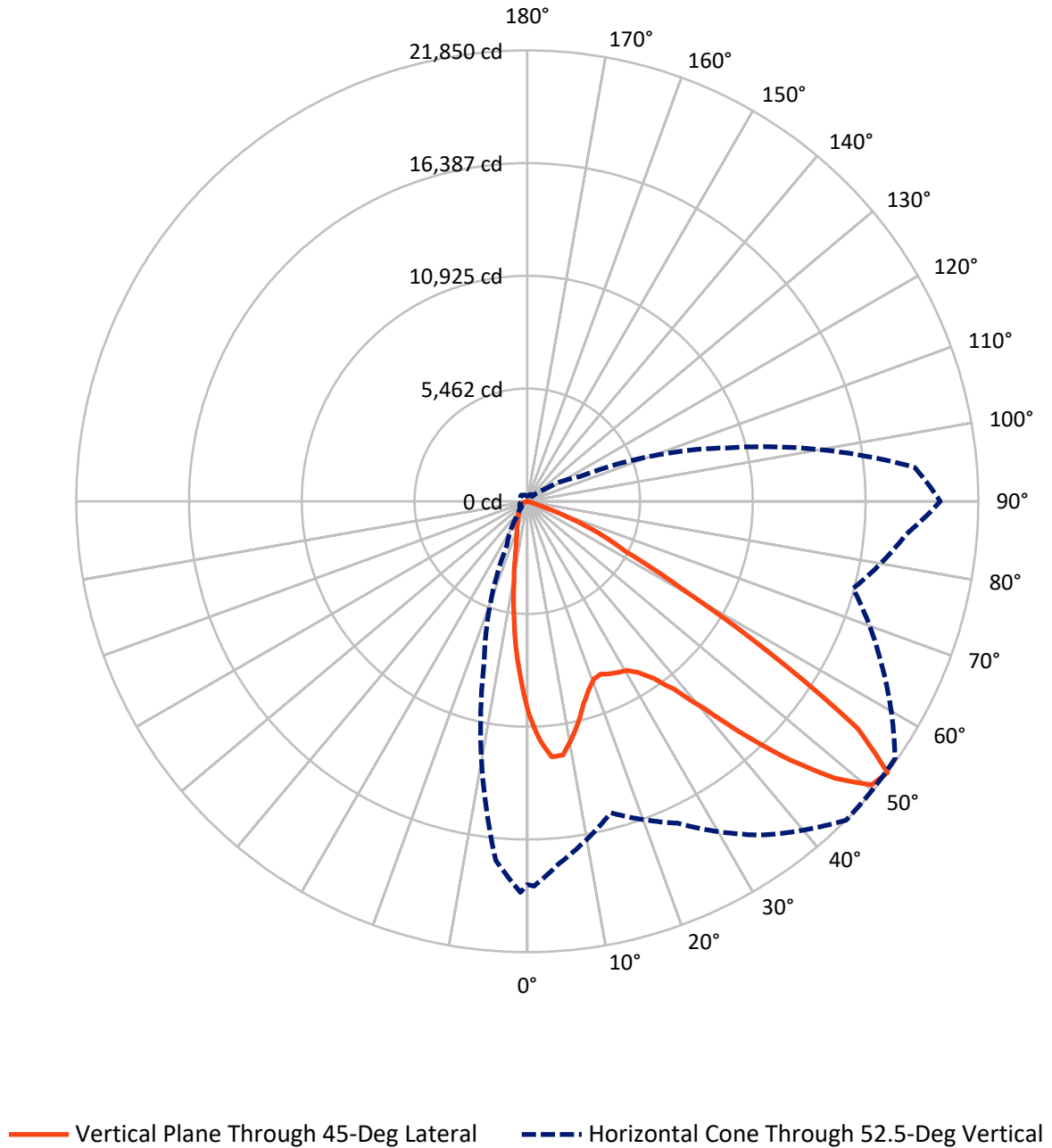
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4142.2	0.0	4142.2
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	16267.8	0.0	16267.8
	% Fixture	79.7	0.0	79.7
Total	Lumens	20410.0	0.0	20410.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.7	3.7
10°-20°	1489.0	7.3
20°-30°	2266.1	11.1
30°-40°	3386.9	16.6
40°-50°	4823.3	23.6
50°-60°	5184.9	25.4
60°-70°	2297.5	11.3
70°-80°	185.9	0.9
80°-90°	21.7	0.1
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°	20410.0	100.0
0°-180°	20410.0	100.0

Coefficient of Utilization

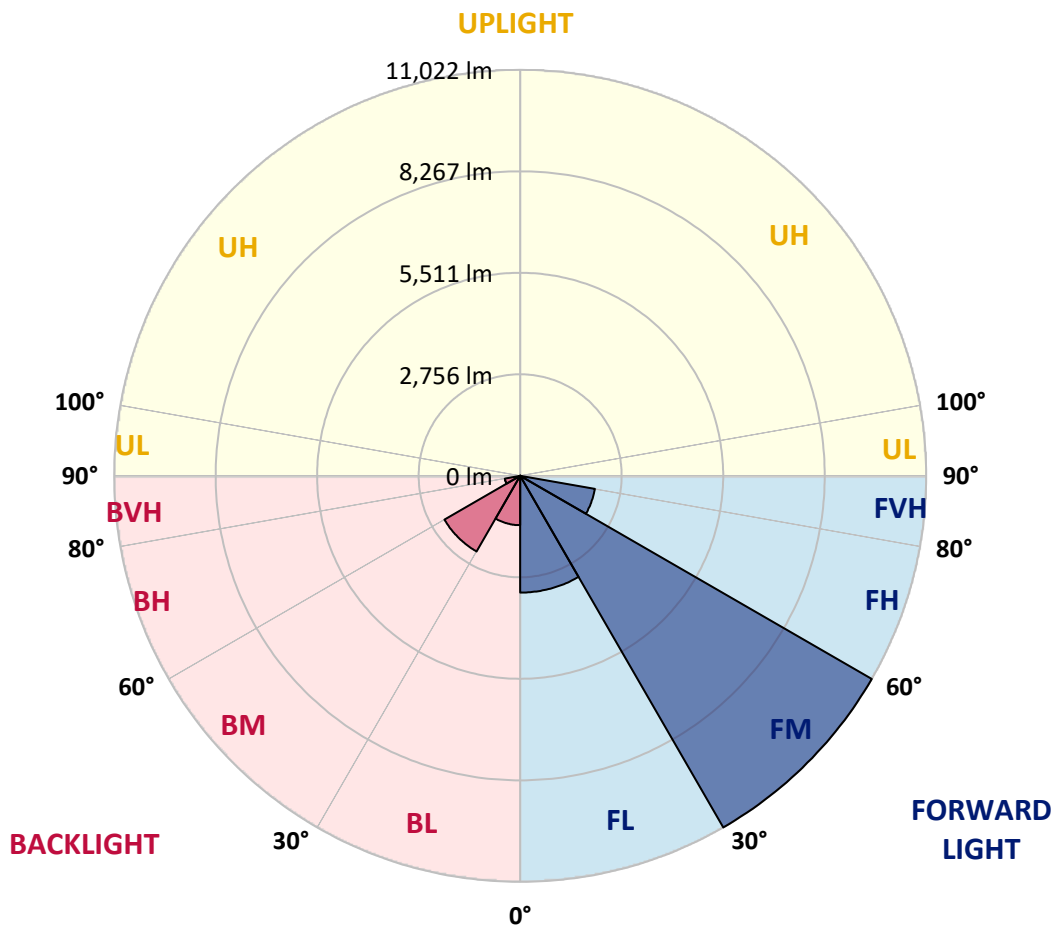


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3170.1	15.5			
FM (30°-60°)	11022.0	54.0			
FH (60°-80°)	2059.6	10.1			G2/5000
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	1339.8	6.6	B3/2500		
BM (30°-60°)	2373.0	11.6	B2/2500		
BH (60°-80°)	423.8	2.1	B1/500		G1/500
BVH (80°-90°)	5.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8
2.5°	10951.0	10983.1	11159.7	11380.5	11496.9	11761.8	11577.2	11625.4	11525.0	11171.7	10894.8
5°	10617.8	10613.8	10838.6	11384.5	11902.3	12428.2	12444.3	12163.3	11669.5	11127.6	10352.8
7.5°	9614.2	9770.8	10003.6	10874.7	11834.1	12227.5	12416.2	12087.0	11328.3	10553.5	9714.6
10°	8855.5	8935.8	9329.2	10380.9	11083.4	11609.3	11725.7	11537.0	10955.0	9987.5	9048.2
12.5°	8417.9	8458.1	8919.7	9802.9	10545.5	10934.9	10991.1	11079.4	10661.9	9754.7	8626.7
15°	8422.0	8454.1	9076.3	9814.9	10108.0	10003.6	10188.2	10184.2	10364.9	9710.5	8979.9
17.5°	9028.1	9064.2	9626.2	9991.5	9863.1	9618.2	9606.2	9790.8	10172.2	10260.5	9513.8
20°	10071.8	10156.1	10569.6	10549.5	9827.0	9333.2	9196.7	9337.2	10224.4	10726.2	10589.7
22.5°	11476.8	11593.2	11882.3	11328.3	9991.5	9140.5	9096.4	9369.3	10569.6	11765.9	11810.0
25°	13106.6	13303.3	13443.8	12733.3	10577.6	9473.7	9265.0	9734.6	11035.3	12893.9	13363.5
27.5°	14186.5	14391.2	14359.1	13343.5	10971.0	9562.0	9385.4	9822.9	11440.7	13162.8	14174.4
30°	15029.5	15153.9	15378.7	13672.6	11364.4	9810.9	9509.8	10196.3	11573.2	13628.5	15153.9
32.5°	16013.0	16097.3	16113.3	14254.7	11970.6	10124.0	9895.2	10661.9	12159.3	14074.1	16021.0
35°	17004.5	17128.9	16868.0	14973.3	12343.9	10706.1	10537.5	11468.8	12628.9	14535.7	16976.4
37.5°	18080.3	18144.6	17542.4	15270.3	12877.8	11653.5	11561.1	12339.9	13443.8	15370.7	18036.2
40°	18983.5	19043.8	18261.0	15635.6	13439.8	12978.2	13215.0	14001.8	14551.8	15912.6	18566.1
42.5°	19485.3	19625.8	18501.8	15434.9	14567.8	14479.5	15531.3	15808.2	15836.3	16065.2	19039.7
45°	19621.8	19557.6	18104.4	15599.5	15555.3	16948.3	17903.7	18269.0	17112.9	16346.2	19160.2
47.5°	18991.6	19075.9	17518.3	15455.0	16852.0	18819.0	20055.4	20733.8	18064.3	16101.3	18863.1
50°	18481.8	18373.4	17329.7	15350.6	17201.2	19702.1	21608.9	21761.4	18939.4	16402.4	18538.0
52.5°	18582.1	18650.4	17630.7	15627.6	17209.2	19754.3	21849.7	21745.4	18967.5	16334.1	18421.5
55°	18794.9	18493.8	17502.3	15017.4	16057.1	18297.1	19393.0	19232.4	17506.3	15607.5	18136.5
57.5°	16217.7	16683.4	16093.3	13407.7	13178.9	13785.0	13765.0	14258.7	13058.5	13431.8	16510.7
60°	13162.8	13243.1	13463.9	11468.8	9120.4	8911.7	8622.7	8309.6	8787.3	11484.9	15017.4
62.5°	11577.2	11480.8	12267.6	10433.1	6438.9	5391.2	5343.0	5535.7	6780.1	10955.0	14086.1
65°	8413.9	8534.4	9104.4	8096.8	4833.2	4114.6	4042.4	4612.4	5487.5	8779.2	10750.2
67.5°	5138.3	5371.1	5423.3	4993.8	3279.7	2605.3	2500.9	3018.7	3962.1	5680.2	6302.4
70°	2372.4	2653.4	2918.4	2725.7	1898.8	1071.8	1011.6	1268.5	1999.1	3267.6	3343.9
72.5°	718.6	722.6	1011.6	1055.8	614.2	240.9	212.8	281.0	678.4	1079.8	1136.0
75°	52.2	56.2	136.5	156.6	116.4	60.2	64.2	76.3	144.5	240.9	180.6
77.5°	4.0	4.0	4.0	20.1	36.1	40.1	52.2	60.2	76.3	88.3	80.3
80°	4.0	0.0	4.0	16.1	28.1	40.1	48.2	56.2	60.2	68.2	60.2
82.5°	0.0	0.0	0.0	12.0	28.1	40.1	44.2	60.2	68.2	80.3	68.2
85°	0.0	0.0	0.0	12.0	28.1	44.2	40.1	20.1	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°	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8
2.5°	10942.9	10786.4	10429.1	10248.5	9822.9	9762.7	9345.2	9277.0	9136.5	9060.2	8875.6
5°	10011.6	9822.9	9240.9	8751.1	8181.1	7783.7	7478.6	7201.6	7041.1	6892.5	6960.8
7.5°	9252.9	8703.0	8056.7	7237.8	6579.4	6153.9	5688.2	5306.9	5082.1	4929.5	4965.7
10°	8458.1	8100.8	7201.6	6282.4	5487.5	5186.5	4821.2	4528.1	4211.0	3938.0	3809.6
12.5°	8209.2	7679.3	6551.3	5616.0	5013.8	4720.8	4303.3	3966.1	3560.7	3227.5	3111.1
15°	8253.4	7743.5	6374.7	5375.1	4664.6	4158.8	3661.0	3243.5	2798.0	2565.1	2444.7
17.5°	8971.9	8088.8	6491.1	5122.2	4178.9	3476.4	2862.2	2332.3	1999.1	1758.3	1706.1
20°	9855.1	8835.4	6740.0	4937.6	3781.5	2765.8	2091.4	1633.8	1356.8	1316.7	1304.6
22.5°	11147.7	10055.8	7273.9	4813.1	3295.7	2155.7	1433.1	1188.2	1112.0	1103.9	1107.9
25°	12954.1	11585.2	7855.9	4708.8	2930.4	1661.9	1172.2	1007.6	983.5	971.5	991.5
27.5°	13736.9	12508.5	8165.0	4484.0	2597.2	1497.3	1156.1	999.6	931.3	911.2	923.3
30°	14704.3	13122.7	8650.8	4098.6	2107.5	1232.4	1079.8	1087.9	1055.8	955.4	923.3
32.5°	15988.9	13889.4	8895.6	3825.6	1882.7	1019.6	790.8	726.6	810.9	826.9	855.0
35°	16811.8	14668.2	9020.1	3665.0	1766.3	871.1	670.4	610.2	590.1	594.1	610.2
37.5°	18341.3	15719.9	9176.6	3496.4	1678.0	758.7	606.2	550.0	521.9	521.9	537.9
40°	19256.5	16554.9	9389.4	3404.1	1589.7	690.5	550.0	501.8	477.7	477.7	485.7
42.5°	19485.3	16968.4	9317.1	3372.0	1489.3	674.4	501.8	465.7	437.6	433.5	429.5
45°	19894.8	17598.6	9329.2	3335.9	1384.9	614.2	473.7	433.5	393.4	389.4	385.4
47.5°	20344.4	18052.2	9353.3	3195.4	1284.6	513.8	493.8	401.4	353.3	345.2	345.2
50°	19959.0	18413.5	9562.0	3054.9	1156.1	417.5	485.7	377.3	313.1	301.1	305.1
52.5°	20007.2	18839.0	10003.6	2858.2	995.5	333.2	393.4	357.3	285.0	264.9	269.0
55°	19236.4	18389.4	10063.8	2649.4	778.8	256.9	301.1	313.1	240.9	232.8	232.8
57.5°	16558.9	15571.4	8879.6	2147.6	513.8	212.8	216.8	273.0	208.7	200.7	204.7
60°	14170.4	12500.5	7145.4	1417.0	321.1	168.6	156.6	277.0	184.7	180.6	192.7
62.5°	12918.0	10272.5	5419.3	879.1	220.8	128.5	108.4	224.8	160.6	160.6	176.6
65°	9333.2	6900.6	3151.2	461.6	156.6	100.4	80.3	128.5	132.5	136.5	144.5
67.5°	5780.6	3484.4	1328.7	224.8	104.4	68.2	52.2	80.3	88.3	88.3	96.3
70°	2854.2	1388.9	441.6	128.5	80.3	56.2	36.1	44.2	44.2	40.1	44.2
72.5°	883.1	417.5	112.4	80.3	56.2	36.1	20.1	16.1	8.0	0.0	4.0
75°	100.4	80.3	72.3	56.2	36.1	16.1	4.0	0.0	0.0	0.0	0.0
77.5°	60.2	68.2	68.2	56.2	36.1	12.0	0.0	0.0	0.0	0.0	0.0
80°	48.2	52.2	56.2	52.2	32.1	16.1	0.0	0.0	0.0	0.0	0.0
82.5°	60.2	68.2	76.3	68.2	44.2	20.1	8.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	12.0	4.0	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°	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8
2.5°	8799.3	8711.0	8835.4	8650.8	8646.8	8650.8	8598.6	8550.4	8626.7	8831.4	8851.5
5°	6715.9	6904.6	6964.8	7161.5	7053.1	6892.5	6924.6	6816.3	7081.2	7197.6	7105.3
7.5°	4889.4	4877.4	5282.8	5306.9	5359.1	5363.1	5355.1	5142.3	4925.5	4973.7	5118.2
10°	3793.5	3588.8	3785.5	3765.4	3893.9	3857.7	3909.9	3681.1	3757.4	3757.4	3849.7
12.5°	3091.0	2874.2	2838.1	2785.9	2838.1	2858.2	2878.2	2834.1	2962.5	3022.8	3087.0
15°	2360.4	2240.0	2207.9	2107.5	2123.6	2179.8	2227.9	2248.0	2207.9	2300.2	2308.2
17.5°	1714.1	1710.1	1730.2	1726.1	1710.1	1698.0	1694.0	1641.8	1625.8	1633.8	1665.9
20°	1300.6	1332.7	1401.0	1469.2	1505.4	1461.2	1401.0	1312.7	1276.5	1284.6	1288.6
22.5°	1112.0	1160.1	1252.5	1328.7	1364.9	1284.6	1176.2	1099.9	1083.9	1079.8	1075.8
25°	1007.6	1063.8	1132.0	1156.1	1152.1	1103.9	1023.6	991.5	983.5	975.5	939.3
27.5°	951.4	971.5	983.5	1011.6	1023.6	991.5	971.5	923.3	915.3	915.3	891.2
30°	919.3	907.2	923.3	903.2	919.3	895.2	899.2	899.2	879.1	887.2	887.2
32.5°	855.0	859.1	859.1	818.9	831.0	802.9	831.0	855.0	859.1	863.1	895.2
35°	626.2	698.5	734.6	734.6	746.7	726.6	722.6	694.5	658.3	622.2	606.2
37.5°	550.0	578.1	626.2	654.3	674.4	658.3	622.2	578.1	558.0	541.9	525.9
40°	489.7	513.8	545.9	578.1	618.2	598.1	541.9	521.9	497.8	497.8	481.7
42.5°	441.6	453.6	473.7	521.9	566.0	525.9	485.7	469.7	457.6	453.6	449.6
45°	397.4	401.4	421.5	461.6	513.8	473.7	433.5	413.5	417.5	421.5	417.5
47.5°	357.3	365.3	377.3	425.5	457.6	437.6	393.4	381.4	381.4	381.4	385.4
50°	309.1	329.2	353.3	393.4	417.5	405.4	369.3	353.3	345.2	345.2	349.2
52.5°	277.0	293.0	325.2	373.3	405.4	385.4	349.2	325.2	309.1	305.1	313.1
55°	240.9	269.0	321.1	357.3	401.4	381.4	341.2	313.1	285.0	281.0	281.0
57.5°	216.8	260.9	309.1	353.3	389.4	373.3	341.2	305.1	269.0	264.9	264.9
60°	204.7	252.9	301.1	341.2	389.4	365.3	337.2	297.1	256.9	256.9	252.9
62.5°	192.7	236.8	285.0	325.2	373.3	353.3	325.2	285.0	244.9	244.9	236.8
65°	160.6	204.7	236.8	273.0	325.2	305.1	277.0	248.9	216.8	208.7	212.8
67.5°	112.4	140.5	172.6	208.7	240.9	232.8	220.8	200.7	172.6	168.6	164.6
70°	56.2	76.3	104.4	140.5	168.6	160.6	152.5	136.5	120.4	116.4	116.4
72.5°	8.0	24.1	44.2	64.2	88.3	92.3	88.3	84.3	80.3	76.3	80.3
75°	0.0	0.0	0.0	16.1	36.1	44.2	52.2	60.2	60.2	52.2	64.2
77.5°	0.0	0.0	0.0	0.0	4.0	20.1	40.1	52.2	64.2	56.2	76.3
80°	0.0	0.0	0.0	0.0	4.0	24.1	40.1	56.2	64.2	56.2	80.3
82.5°	0.0	0.0	0.0	0.0	4.0	28.1	40.1	52.2	60.2	56.2	72.3
85°	0.0	0.0	0.0	0.0	12.0	24.1	16.1	8.0	4.0	4.0	12.0
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: GLAN-SA7B-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8	10348.8
2.5°	8963.9	9248.9	9554.0	9670.4	10031.7	10304.7	10489.3	10886.7	10946.9	10951.0
5°	7201.6	7346.1	7868.0	8112.9	8650.8	9068.3	9513.8	10156.1	10585.7	10617.8
7.5°	5118.2	5519.6	5740.4	6378.7	7041.1	7695.4	8357.7	9104.4	9602.2	9614.2
10°	4118.7	4379.6	4773.0	5250.7	5808.7	6475.0	7358.2	8225.3	8731.1	8855.5
12.5°	3315.8	3773.4	4223.0	4716.8	5142.3	5644.1	6595.5	7751.6	8169.1	8417.9
15°	2553.1	2970.6	3500.5	4078.5	4560.2	5230.6	6314.5	7635.2	8337.7	8422.0
17.5°	1882.7	2256.0	2745.8	3291.7	4014.3	4965.7	6362.6	8225.3	8887.6	9028.1
20°	1352.8	1569.6	1955.0	2589.2	3508.5	4656.6	6410.8	8823.4	9831.0	10071.8
22.5°	1071.8	1160.1	1413.0	1975.0	2942.5	4331.4	6752.0	9967.5	11127.6	11476.8
25°	931.3	979.5	1099.9	1557.5	2585.2	4299.3	7298.0	11340.3	12853.7	13106.6
27.5°	899.2	907.2	1011.6	1429.1	2392.5	4086.5	7506.7	12315.8	13929.6	14186.5
30°	947.4	1075.8	1083.9	1208.3	2035.2	3665.0	7615.1	13259.2	14840.8	15029.5
32.5°	818.9	778.8	806.9	935.3	1790.4	3420.2	7819.8	14082.1	15880.5	16013.0
35°	570.0	598.1	662.4	810.9	1565.6	3163.3	7872.0	14989.3	16868.0	17004.5
37.5°	525.9	541.9	594.1	690.5	1376.9	3018.7	7799.7	15651.7	17891.7	18080.3
40°	489.7	509.8	537.9	626.2	1236.4	2858.2	7699.4	16249.8	18517.9	18983.5
42.5°	461.6	477.7	501.8	598.1	1116.0	2697.6	7558.9	17092.8	19079.9	19485.3
45°	429.5	453.6	481.7	582.1	1047.7	2589.2	7454.5	17040.6	19405.0	19621.8
47.5°	397.4	437.6	469.7	541.9	1027.7	2537.0	7498.7	16843.9	19140.1	18991.6
50°	365.3	417.5	473.7	449.6	979.5	2432.7	7550.9	17112.9	18509.9	18481.8
52.5°	337.2	397.4	441.6	369.3	871.1	2332.3	8056.7	17466.1	18955.4	18582.1
55°	297.1	357.3	353.3	297.1	706.5	2256.0	8454.1	17474.2	18654.4	18794.9
57.5°	269.0	317.1	277.0	248.9	521.9	1886.7	7807.8	14652.1	15968.8	16217.7
60°	248.9	309.1	208.7	196.7	341.2	1360.8	6816.3	11348.4	12693.2	13162.8
62.5°	228.8	293.0	164.6	160.6	236.8	967.4	5603.9	9497.8	10938.9	11577.2
65°	200.7	208.7	132.5	124.4	168.6	521.9	3412.1	6539.3	8177.1	8413.9
67.5°	164.6	160.6	108.4	100.4	112.4	252.9	1505.4	3275.7	4740.9	5138.3
70°	132.5	132.5	92.3	80.3	80.3	116.4	393.4	1304.6	2143.6	2372.4
72.5°	96.3	100.4	72.3	64.2	60.2	56.2	64.2	260.9	562.0	718.6
75°	84.3	88.3	72.3	56.2	44.2	36.1	28.1	24.1	32.1	52.2
77.5°	92.3	92.3	76.3	52.2	40.1	28.1	16.1	8.0	8.0	4.0
80°	116.4	120.4	100.4	68.2	48.2	32.1	20.1	8.0	4.0	4.0
82.5°	124.4	136.5	112.4	84.3	60.2	36.1	20.1	4.0	0.0	0.0
85°	32.1	52.2	88.3	76.3	60.2	36.1	20.1	4.0	0.0	0.0
87.5°	0.0	4.0	12.0	12.0	16.1	16.1	12.0	4.0	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)