

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: P529509

Luminaire Tested: **GLAN-SA4C-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529509
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-SA4C-830-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 1050mA 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: 12218 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

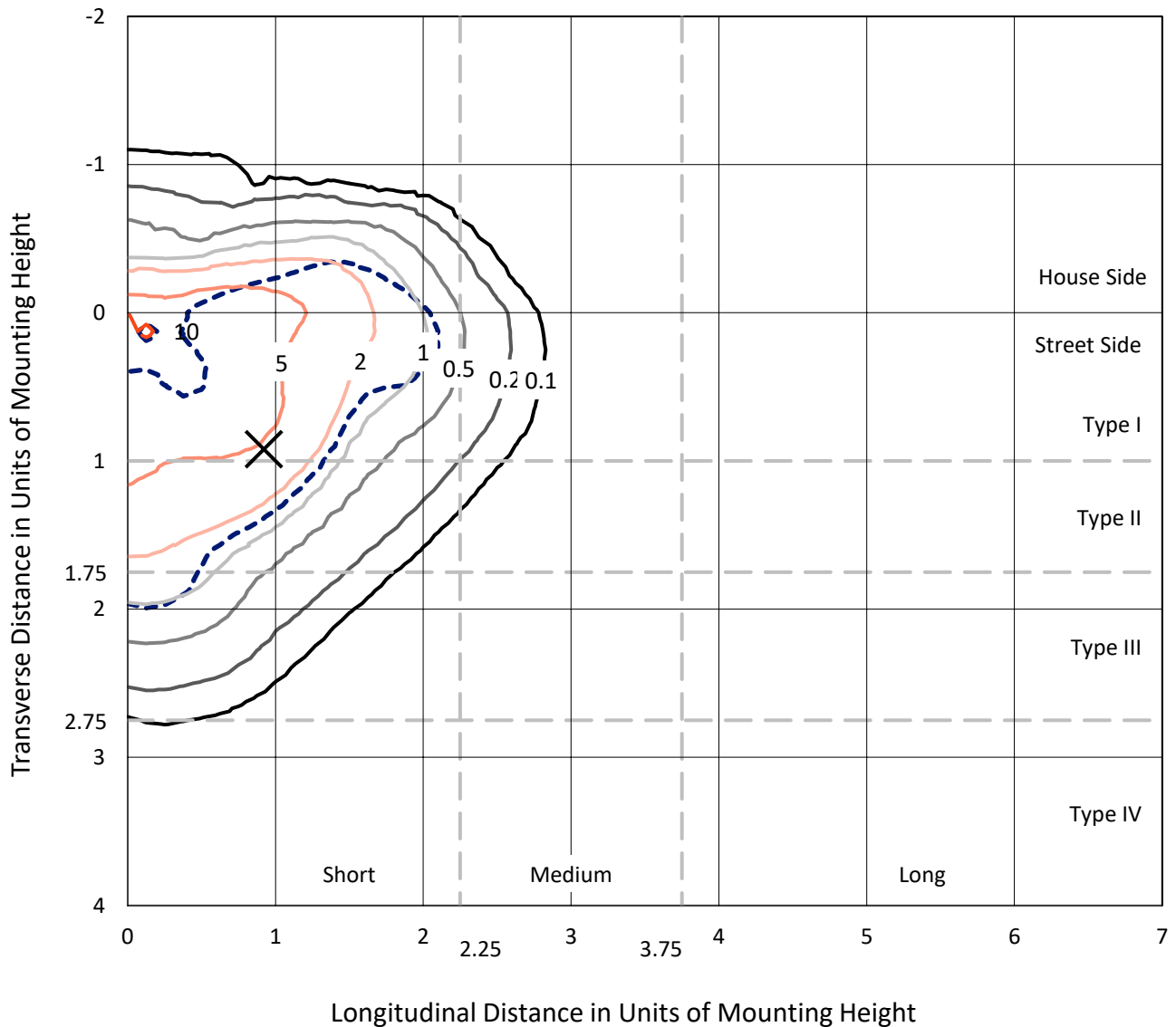
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

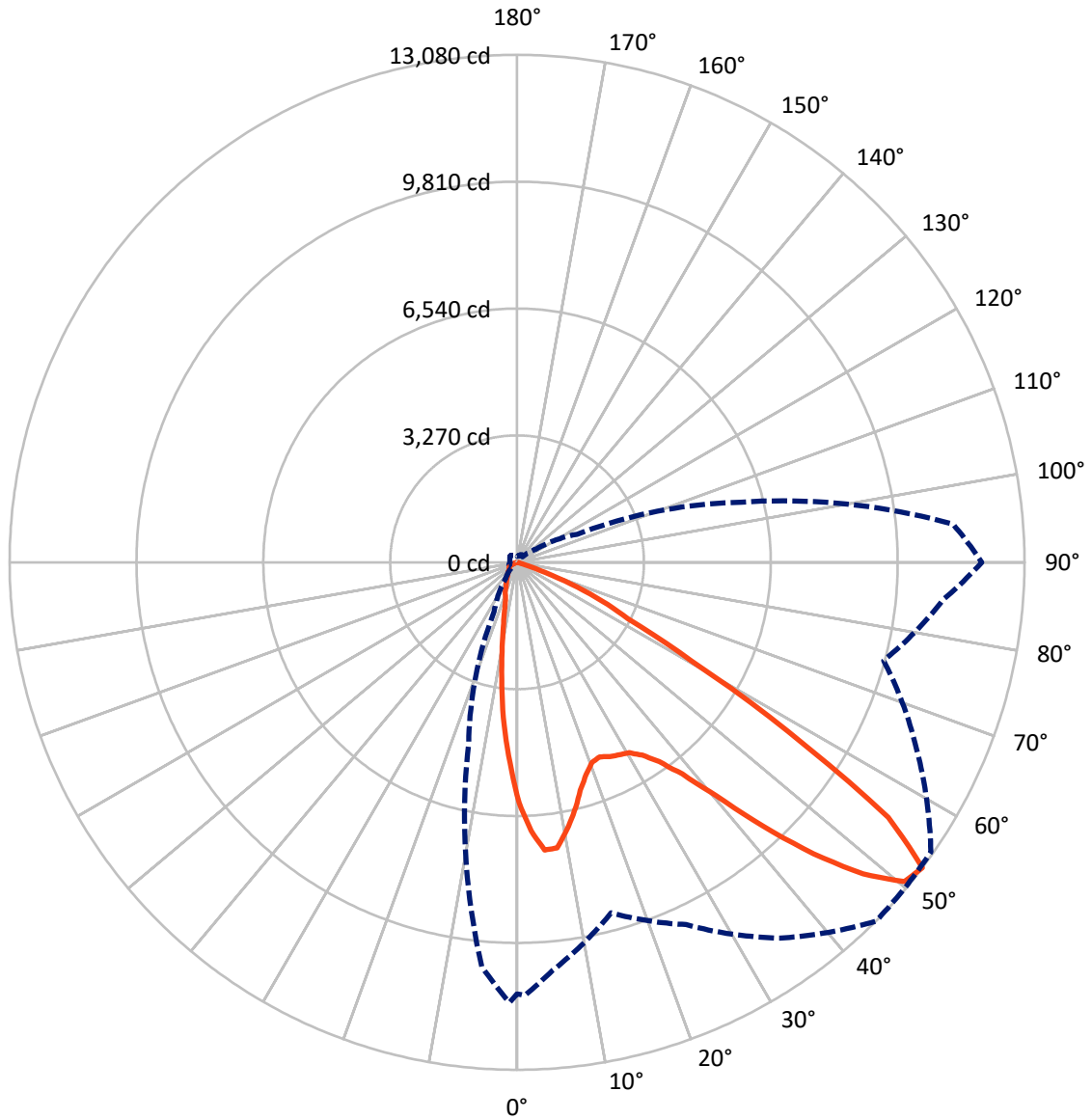
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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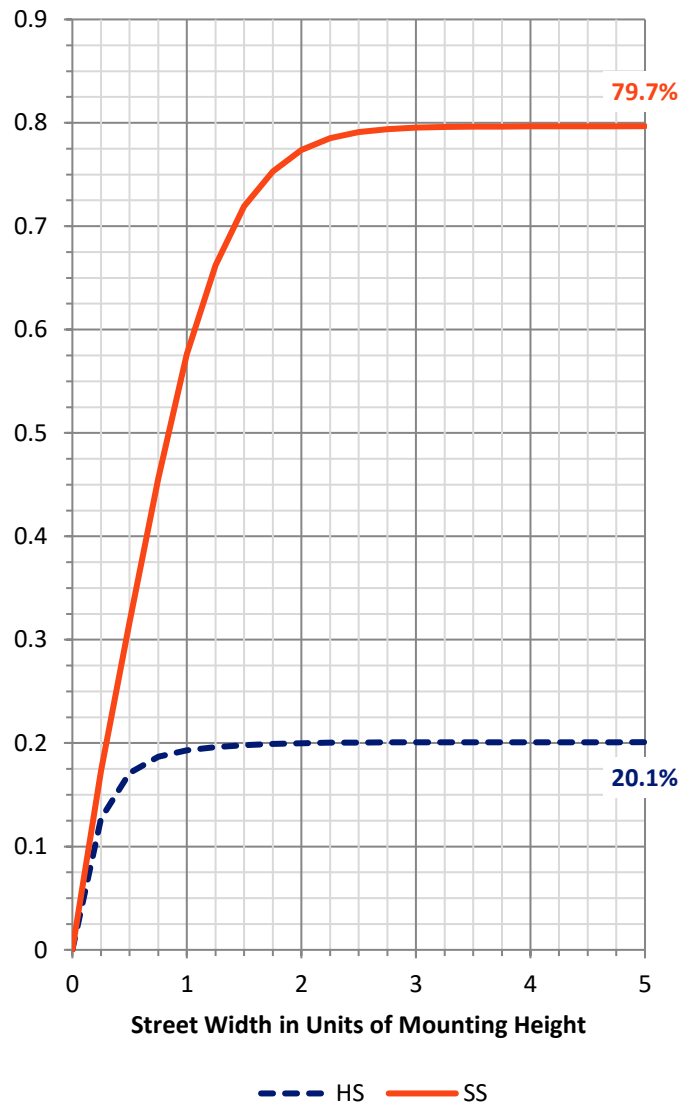
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2479.6	0.0	2479.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	9738.4	0.0	9738.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	12218.0	0.0	12218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.8	3.7
10°-20°	891.4	7.3
20°-30°	1356.5	11.1
30°-40°	2027.5	16.6
40°-50°	2887.4	23.6
50°-60°	3103.8	25.4
60°-70°	1375.4	11.3
70°-80°	111.3	0.9
80°-90°	13.0	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°	12218.0	100.0
0°-180°	12218.0	100.0

Coefficient of Utilization



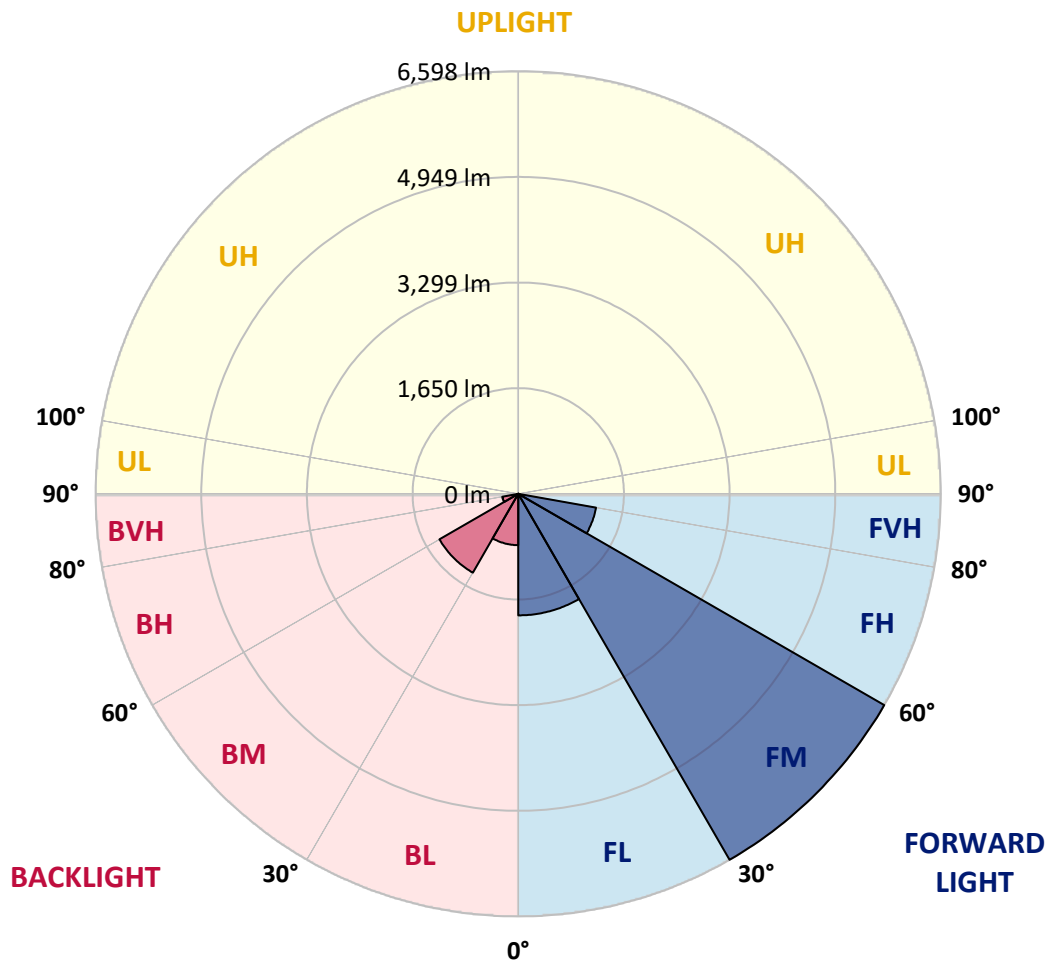
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1897.7	15.5			
FM	(30°-60°)	6598.1	54.0			
FH	(60°-80°)	1232.9	10.1			G1/1800
FVH	(80°-90°)	9.6	0.1			G0/10
BL	(0°-30°)	802.0	6.6	B2/1000		
BM	(30°-60°)	1420.6	11.6	B2/2500		
BH	(60°-80°)	253.7	2.1	B1/500		G1/500
BVH	(80°-90°)	3.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1
2.5°	6555.6	6574.8	6680.5	6812.7	6882.4	7041.0	6930.4	6959.3	6899.2	6687.7	6521.9
5°	6356.1	6353.7	6488.3	6815.1	7125.1	7439.9	7449.5	7281.3	6985.7	6661.3	6197.5
7.5°	5755.3	5849.1	5988.4	6509.9	7084.2	7319.7	7432.7	7235.6	6781.4	6317.7	5815.4
10°	5301.2	5349.2	5584.7	6214.3	6634.9	6949.7	7019.3	6906.4	6558.0	5978.8	5416.5
12.5°	5039.2	5063.3	5339.6	5868.3	6312.8	6545.9	6579.6	6632.5	6382.5	5839.4	5164.2
15°	5041.6	5060.8	5433.3	5875.5	6050.9	5988.4	6099.0	6096.6	6204.7	5813.0	5375.6
17.5°	5404.5	5426.1	5762.5	5981.2	5904.3	5757.7	5750.5	5861.1	6089.4	6142.2	5695.3
20°	6029.3	6079.7	6327.3	6315.2	5882.7	5587.1	5505.4	5589.5	6120.6	6421.0	6339.3
22.5°	6870.4	6940.0	7113.1	6781.4	5981.2	5471.8	5445.3	5608.7	6327.3	7043.4	7069.8
25°	7846.0	7963.7	8047.9	7622.5	6332.1	5671.2	5546.3	5827.4	6606.0	7718.6	7999.8
27.5°	8492.4	8615.0	8595.8	7987.8	6567.6	5724.1	5618.4	5880.3	6848.7	7879.6	8485.2
30°	8997.1	9071.6	9206.1	8184.8	6803.1	5873.1	5692.9	6103.8	6928.0	8158.4	9071.6
32.5°	9585.8	9636.3	9645.9	8533.3	7165.9	6060.5	5923.5	6382.5	7278.9	8425.1	9590.6
35°	10179.4	10253.9	10097.7	8963.4	7389.4	6409.0	6308.0	6865.5	7560.0	8701.5	10162.5
37.5°	10823.4	10861.8	10501.4	9141.2	7709.0	6976.1	6920.8	7387.0	8047.9	9201.3	10797.0
40°	11364.1	11400.1	10931.5	9359.9	8045.5	7769.1	7910.9	8381.9	8711.1	9525.7	11114.2
42.5°	11664.5	11748.6	11075.7	9239.8	8720.7	8667.8	9297.4	9463.3	9480.1	9617.1	11397.7
45°	11746.2	11707.7	10837.8	9338.3	9311.9	10145.7	10717.7	10936.3	10244.3	9785.3	11469.8
47.5°	11368.9	11419.4	10487.0	9251.8	10088.1	11265.6	12005.7	12411.8	10813.8	9638.7	11292.0
50°	11063.7	10998.8	10374.0	9189.3	10297.1	11794.2	12935.7	13027.0	11337.6	9818.9	11097.3
52.5°	11123.8	11164.6	10554.2	9355.1	10301.9	11825.5	13079.9	13017.4	11354.5	9778.1	11027.7
55°	11251.1	11070.9	10477.4	8989.9	9612.2	10953.2	11609.2	11513.1	10479.8	9343.1	10857.0
57.5°	9708.4	9987.1	9633.9	8026.2	7889.3	8252.1	8240.1	8535.7	7817.2	8040.6	9883.8
60°	7879.6	7927.7	8059.9	6865.5	5459.8	5334.8	5161.8	4974.3	5260.3	6875.2	8989.9
62.5°	6930.4	6872.8	7343.8	6245.6	3854.5	3227.3	3198.5	3313.8	4058.8	6558.0	8432.3
65°	5036.8	5108.9	5450.1	4847.0	2893.3	2463.1	2419.9	2761.1	3285.0	5255.5	6435.4
67.5°	3075.9	3215.3	3246.5	2989.4	1963.3	1559.6	1497.1	1807.1	2371.8	3400.3	3772.8
70°	1420.2	1588.4	1747.0	1631.7	1136.6	641.6	605.6	759.4	1196.7	1956.1	2001.8
72.5°	430.1	432.6	605.6	632.0	367.7	144.2	127.4	168.2	406.1	646.4	680.1
75°	31.2	33.6	81.7	93.7	69.7	36.0	38.4	45.7	86.5	144.2	108.1
77.5°	2.4	2.4	2.4	12.0	21.6	24.0	31.2	36.0	45.7	52.9	48.1
80°	2.4	0.0	2.4	9.6	16.8	24.0	28.8	33.6	36.0	40.9	36.0
82.5°	0.0	0.0	0.0	7.2	16.8	24.0	26.4	36.0	40.9	48.1	40.9
85°	0.0	0.0	0.0	7.2	16.8	26.4	24.0	12.0	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°	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1
2.5°	6550.7	6457.0	6243.2	6135.0	5880.3	5844.2	5594.3	5553.5	5469.4	5423.7	5313.2
5°	5993.2	5880.3	5531.8	5238.7	4897.4	4659.5	4476.9	4311.1	4215.0	4126.1	4166.9
7.5°	5539.1	5209.8	4822.9	4332.7	3938.6	3683.9	3405.1	3176.8	3042.3	2951.0	2972.6
10°	5063.3	4849.4	4311.1	3760.8	3285.0	3104.8	2886.1	2710.7	2520.8	2357.4	2280.5
12.5°	4914.3	4597.1	3921.8	3361.9	3001.4	2826.0	2576.1	2374.2	2131.5	1932.1	1862.4
15°	4940.7	4635.5	3816.1	3217.7	2792.4	2489.6	2191.6	1941.7	1674.9	1535.6	1463.5
17.5°	5370.8	4842.2	3885.8	3066.3	2501.6	2081.1	1713.4	1396.2	1196.7	1052.5	1021.3
20°	5899.5	5289.1	4034.7	2955.8	2263.7	1655.7	1252.0	978.0	812.2	788.2	781.0
22.5°	6673.3	6019.7	4354.3	2881.3	1972.9	1290.4	857.9	711.3	665.6	660.8	663.2
25°	7754.7	6935.2	4702.8	2818.8	1754.2	994.9	701.7	603.2	588.8	581.5	593.6
27.5°	8223.3	7487.9	4887.8	2684.2	1554.8	896.3	692.1	598.4	557.5	545.5	552.7
30°	8802.4	7855.6	5178.6	2453.5	1261.6	737.7	646.4	651.2	632.0	571.9	552.7
32.5°	9571.4	8314.6	5325.2	2290.1	1127.0	610.4	473.4	435.0	485.4	495.0	511.9
35°	10064.0	8780.8	5399.7	2194.0	1057.3	521.5	401.3	365.3	353.3	355.7	365.3
37.5°	10979.6	9410.4	5493.4	2093.1	1004.5	454.2	362.9	329.2	312.4	312.4	322.0
40°	11527.5	9910.2	5620.8	2037.8	951.6	413.3	329.2	300.4	286.0	286.0	290.8
42.5°	11664.5	10157.7	5577.5	2018.6	891.5	403.7	300.4	278.8	261.9	259.5	257.1
45°	11909.6	10535.0	5584.7	1996.9	829.1	367.7	283.6	259.5	235.5	233.1	230.7
47.5°	12178.7	10806.6	5599.1	1912.8	769.0	307.6	295.6	240.3	211.5	206.7	206.7
50°	11948.0	11022.8	5724.1	1828.7	692.1	249.9	290.8	225.9	187.4	180.2	182.6
52.5°	11976.9	11277.6	5988.4	1711.0	596.0	199.5	235.5	213.9	170.6	158.6	161.0
55°	11515.5	11008.4	6024.5	1586.0	466.2	153.8	180.2	187.4	144.2	139.4	139.4
57.5°	9912.6	9321.5	5315.6	1285.6	307.6	127.4	129.8	163.4	125.0	120.2	122.6
60°	8482.8	7483.1	4277.5	848.3	192.2	100.9	93.7	165.8	110.5	108.1	115.3
62.5°	7733.1	6149.4	3244.1	526.3	132.2	76.9	64.9	134.6	96.1	96.1	105.7
65°	5587.1	4130.9	1886.4	276.4	93.7	60.1	48.1	76.9	79.3	81.7	86.5
67.5°	3460.4	2085.9	795.4	134.6	62.5	40.9	31.2	48.1	52.9	52.9	57.7
70°	1708.6	831.5	264.3	76.9	48.1	33.6	21.6	26.4	26.4	24.0	26.4
72.5°	528.7	249.9	67.3	48.1	33.6	21.6	12.0	9.6	4.8	0.0	2.4
75°	60.1	48.1	43.3	33.6	21.6	9.6	2.4	0.0	0.0	0.0	0.0
77.5°	36.0	40.9	40.9	33.6	21.6	7.2	0.0	0.0	0.0	0.0	0.0
80°	28.8	31.2	33.6	31.2	19.2	9.6	0.0	0.0	0.0	0.0	0.0
82.5°	36.0	40.9	45.7	40.9	26.4	12.0	4.8	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	7.2	2.4	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°	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1
2.5°	5267.5	5214.6	5289.1	5178.6	5176.2	5178.6	5147.4	5118.5	5164.2	5286.7	5298.8
5°	4020.3	4133.3	4169.3	4287.1	4222.2	4126.1	4145.3	4080.4	4239.0	4308.7	4253.4
7.5°	2926.9	2919.7	3162.4	3176.8	3208.1	3210.5	3205.7	3078.3	2948.6	2977.4	3063.9
10°	2270.9	2148.3	2266.1	2254.1	2331.0	2309.3	2340.6	2203.6	2249.3	2249.3	2304.5
12.5°	1850.4	1720.6	1699.0	1667.7	1699.0	1711.0	1723.0	1696.6	1773.5	1809.5	1848.0
15°	1413.0	1340.9	1321.7	1261.6	1271.2	1304.9	1333.7	1345.7	1321.7	1377.0	1381.8
17.5°	1026.1	1023.7	1035.7	1033.3	1023.7	1016.5	1014.1	982.9	973.2	978.0	997.3
20°	778.6	797.8	838.7	879.5	901.1	874.7	838.7	785.8	764.2	769.0	771.4
22.5°	665.6	694.5	749.8	795.4	817.0	769.0	704.1	658.4	648.8	646.4	644.0
25°	603.2	636.8	677.7	692.1	689.7	660.8	612.8	593.6	588.8	583.9	562.3
27.5°	569.5	581.5	588.8	605.6	612.8	593.6	581.5	552.7	547.9	547.9	533.5
30°	550.3	543.1	552.7	540.7	550.3	535.9	538.3	538.3	526.3	531.1	531.1
32.5°	511.9	514.3	514.3	490.2	497.4	480.6	497.4	511.9	514.3	516.7	535.9
35°	374.9	418.1	439.8	439.8	447.0	435.0	432.6	415.7	394.1	372.5	362.9
37.5°	329.2	346.0	374.9	391.7	403.7	394.1	372.5	346.0	334.0	324.4	314.8
40°	293.2	307.6	326.8	346.0	370.1	358.1	324.4	312.4	298.0	298.0	288.4
42.5°	264.3	271.5	283.6	312.4	338.8	314.8	290.8	281.2	273.9	271.5	269.1
45°	237.9	240.3	252.3	276.4	307.6	283.6	259.5	247.5	249.9	252.3	249.9
47.5°	213.9	218.7	225.9	254.7	273.9	261.9	235.5	228.3	228.3	228.3	230.7
50°	185.0	197.1	211.5	235.5	249.9	242.7	221.1	211.5	206.7	206.7	209.1
52.5°	165.8	175.4	194.6	223.5	242.7	230.7	209.1	194.6	185.0	182.6	187.4
55°	144.2	161.0	192.2	213.9	240.3	228.3	204.3	187.4	170.6	168.2	168.2
57.5°	129.8	156.2	185.0	211.5	233.1	223.5	204.3	182.6	161.0	158.6	158.6
60°	122.6	151.4	180.2	204.3	233.1	218.7	201.9	177.8	153.8	153.8	151.4
62.5°	115.3	141.8	170.6	194.6	223.5	211.5	194.6	170.6	146.6	146.6	141.8
65°	96.1	122.6	141.8	163.4	194.6	182.6	165.8	149.0	129.8	125.0	127.4
67.5°	67.3	84.1	103.3	125.0	144.2	139.4	132.2	120.2	103.3	100.9	98.5
70°	33.6	45.7	62.5	84.1	100.9	96.1	91.3	81.7	72.1	69.7	69.7
72.5°	4.8	14.4	26.4	38.4	52.9	55.3	52.9	50.5	48.1	45.7	48.1
75°	0.0	0.0	0.0	9.6	21.6	26.4	31.2	36.0	36.0	31.2	38.4
77.5°	0.0	0.0	0.0	0.0	2.4	12.0	24.0	31.2	38.4	33.6	45.7
80°	0.0	0.0	0.0	0.0	2.4	14.4	24.0	33.6	38.4	33.6	48.1
82.5°	0.0	0.0	0.0	0.0	2.4	16.8	24.0	31.2	36.0	33.6	43.3
85°	0.0	0.0	0.0	0.0	7.2	14.4	9.6	4.8	2.4	2.4	7.2
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



REPORT NUMBER: P529509

CATALOG NUMBER: GLAN-SA4C-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1	6195.1
2.5°	5366.0	5536.7	5719.3	5789.0	6005.3	6168.7	6279.2	6517.1	6553.2	6555.6
5°	4311.1	4397.6	4710.0	4856.6	5178.6	5428.5	5695.3	6079.7	6336.9	6356.1
7.5°	3063.9	3304.2	3436.4	3818.5	4215.0	4606.7	5003.2	5450.1	5748.1	5755.3
10°	2465.5	2621.7	2857.2	3143.2	3477.2	3876.1	4404.8	4923.9	5226.7	5301.2
12.5°	1984.9	2258.9	2528.0	2823.6	3078.3	3378.7	3948.2	4640.3	4890.2	5039.2
15°	1528.3	1778.3	2095.5	2441.5	2729.9	3131.2	3780.0	4570.6	4991.2	5041.6
17.5°	1127.0	1350.5	1643.7	1970.5	2403.1	2972.6	3808.9	4923.9	5320.4	5404.5
20°	809.8	939.6	1170.3	1550.0	2100.3	2787.6	3837.7	5281.9	5885.1	6029.3
22.5°	641.6	694.5	845.9	1182.3	1761.4	2592.9	4042.0	5966.8	6661.3	6870.4
25°	557.5	586.3	658.4	932.4	1547.6	2573.7	4368.8	6788.7	7694.6	7846.0
27.5°	538.3	543.1	605.6	855.5	1432.2	2446.3	4493.7	7372.6	8338.6	8492.4
30°	567.1	644.0	648.8	723.3	1218.4	2194.0	4558.6	7937.3	8884.1	8997.1
32.5°	490.2	466.2	483.0	559.9	1071.8	2047.4	4681.2	8429.9	9506.5	9585.8
35°	341.2	358.1	396.5	485.4	937.2	1893.6	4712.4	8973.0	10097.7	10179.4
37.5°	314.8	324.4	355.7	413.3	824.3	1807.1	4669.1	9369.5	10710.4	10823.4
40°	293.2	305.2	322.0	374.9	740.1	1711.0	4609.1	9727.6	11085.3	11364.1
42.5°	276.4	286.0	300.4	358.1	668.1	1614.9	4525.0	10232.2	11421.8	11664.5
45°	257.1	271.5	288.4	348.4	627.2	1550.0	4462.5	10201.0	11616.4	11746.2
47.5°	237.9	261.9	281.2	324.4	615.2	1518.7	4488.9	10083.2	11457.8	11368.9
50°	218.7	249.9	283.6	269.1	586.3	1456.3	4520.2	10244.3	11080.5	11063.7
52.5°	201.9	237.9	264.3	221.1	521.5	1396.2	4822.9	10455.7	11347.3	11123.8
55°	177.8	213.9	211.5	177.8	422.9	1350.5	5060.8	10460.5	11167.0	11251.1
57.5°	161.0	189.8	165.8	149.0	312.4	1129.4	4674.0	8771.2	9559.4	9708.4
60°	149.0	185.0	125.0	117.8	204.3	814.6	4080.4	6793.5	7598.5	7879.6
62.5°	137.0	175.4	98.5	96.1	141.8	579.1	3354.7	5685.6	6548.3	6930.4
65°	120.2	125.0	79.3	74.5	100.9	312.4	2042.6	3914.6	4895.0	5036.8
67.5°	98.5	96.1	64.9	60.1	67.3	151.4	901.1	1960.9	2838.0	3075.9
70°	79.3	79.3	55.3	48.1	48.1	69.7	235.5	781.0	1283.2	1420.2
72.5°	57.7	60.1	43.3	38.4	36.0	33.6	38.4	156.2	336.4	430.1
75°	50.5	52.9	43.3	33.6	26.4	21.6	16.8	14.4	19.2	31.2
77.5°	55.3	55.3	45.7	31.2	24.0	16.8	9.6	4.8	4.8	2.4
80°	69.7	72.1	60.1	40.9	28.8	19.2	12.0	4.8	2.4	2.4
82.5°	74.5	81.7	67.3	50.5	36.0	21.6	12.0	2.4	0.0	0.0
85°	19.2	31.2	52.9	45.7	36.0	21.6	12.0	2.4	0.0	0.0
87.5°	0.0	2.4	7.2	7.2	9.6	9.6	7.2	2.4	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

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