

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: P533019

Luminaire Tested: **GLAN-SA8B-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533019
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-SA8B-830-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 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: 20185 lumens
Efficiency: N/A
Efficacy: 62.1 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

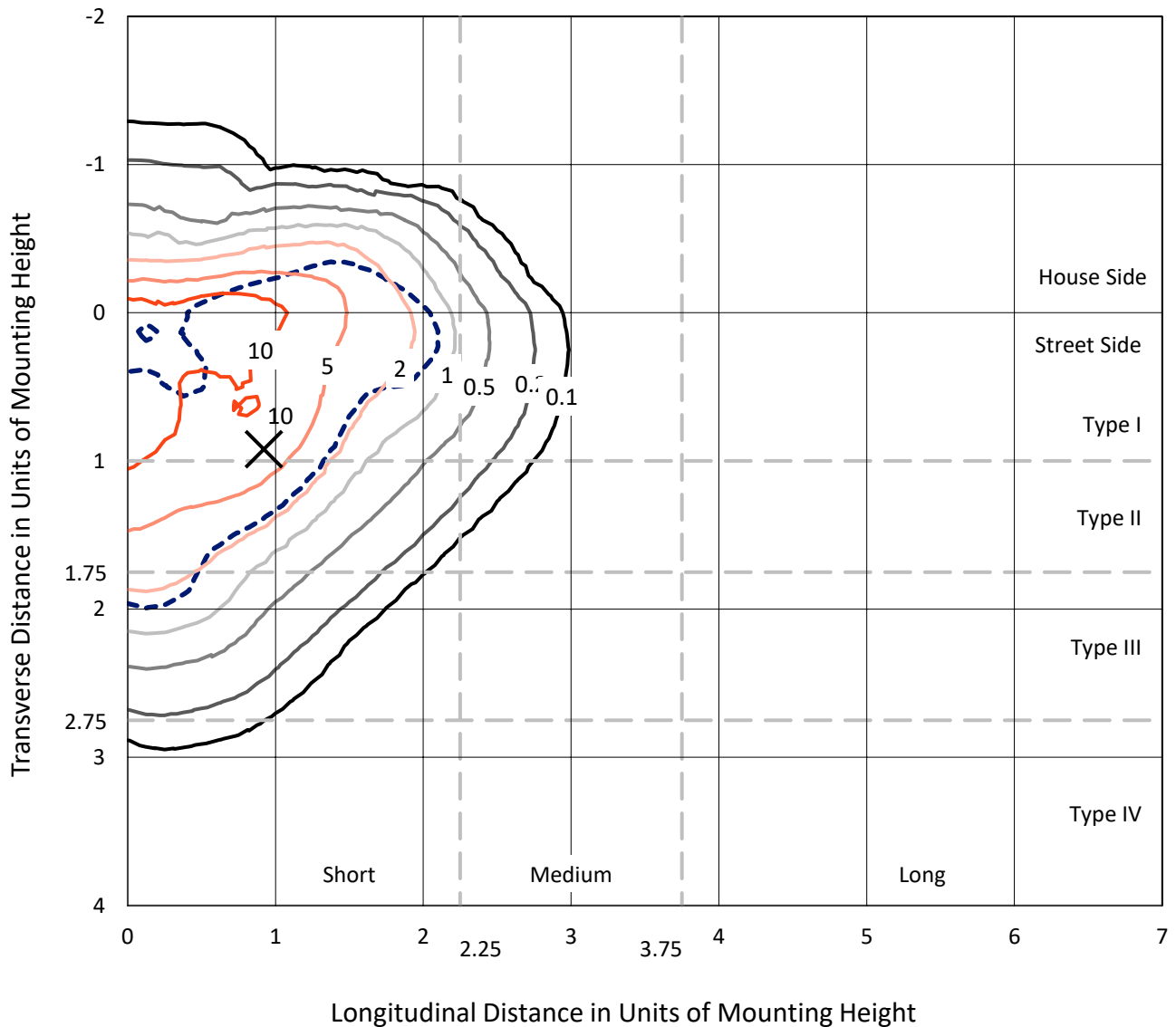
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

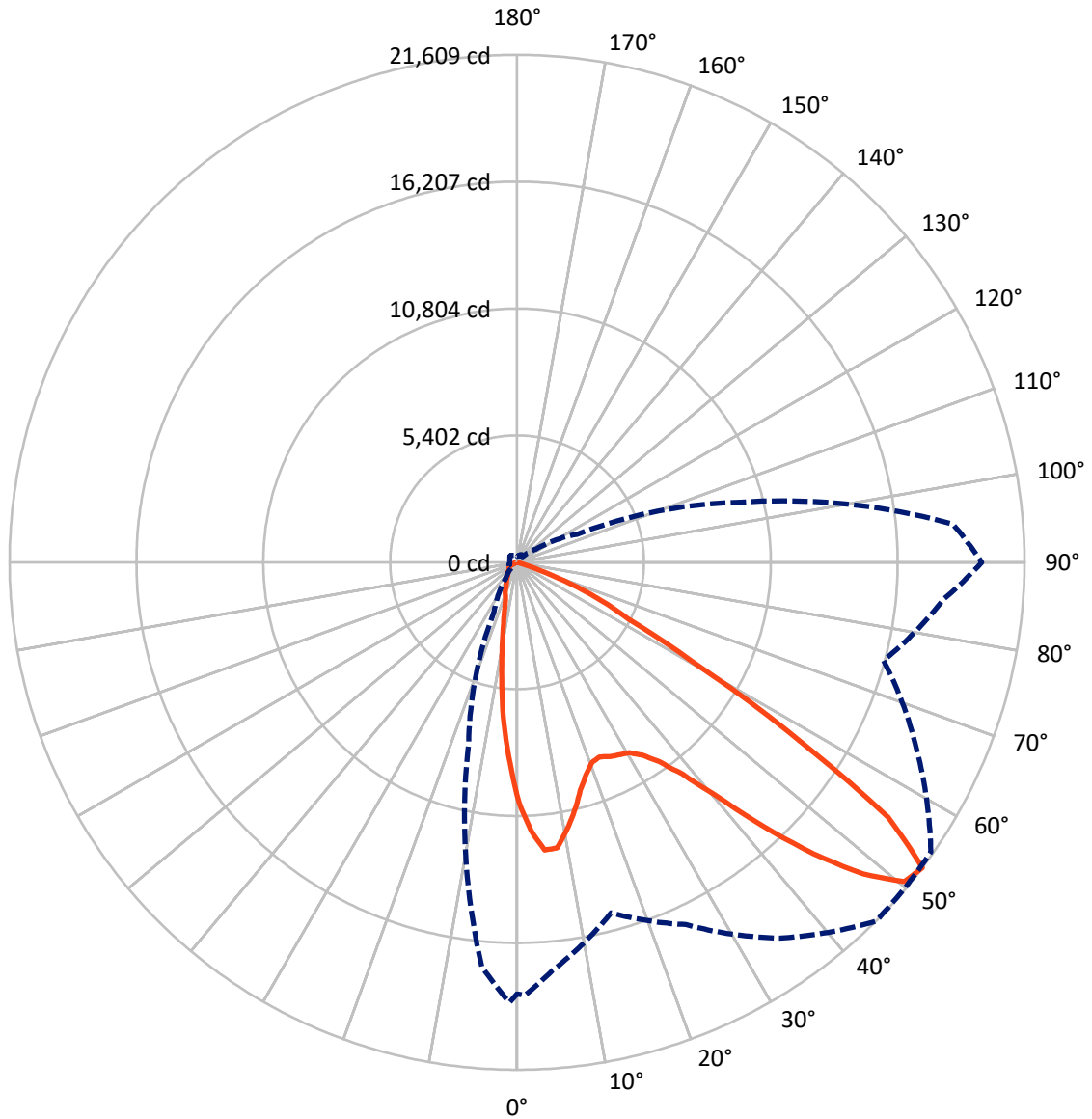
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 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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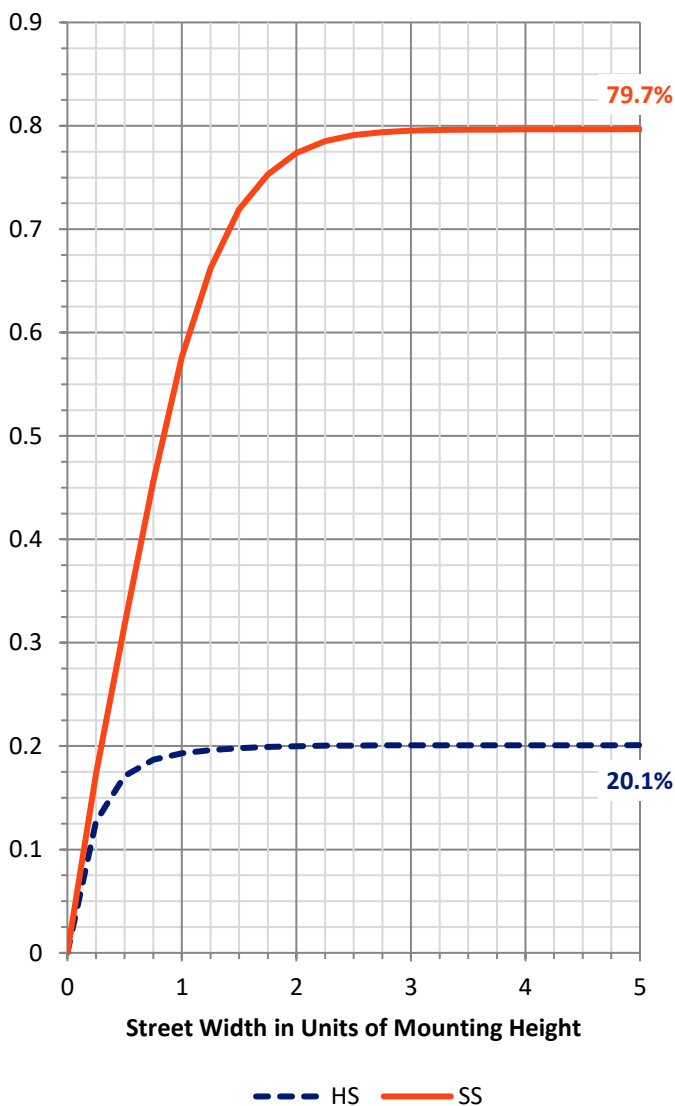
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4096.6	0.0	4096.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	16088.5	0.0	16088.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	20185.0	0.0	20185.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	746.4	3.7
10°-20°	1472.6	7.3
20°-30°	2241.1	11.1
30°-40°	3349.6	16.6
40°-50°	4770.1	23.6
50°-60°	5127.7	25.4
60°-70°	2272.2	11.3
70°-80°	183.8	0.9
80°-90°	21.4	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°	20185.0	100.0
0°-180°	20185.0	100.0

Coefficient of Utilization



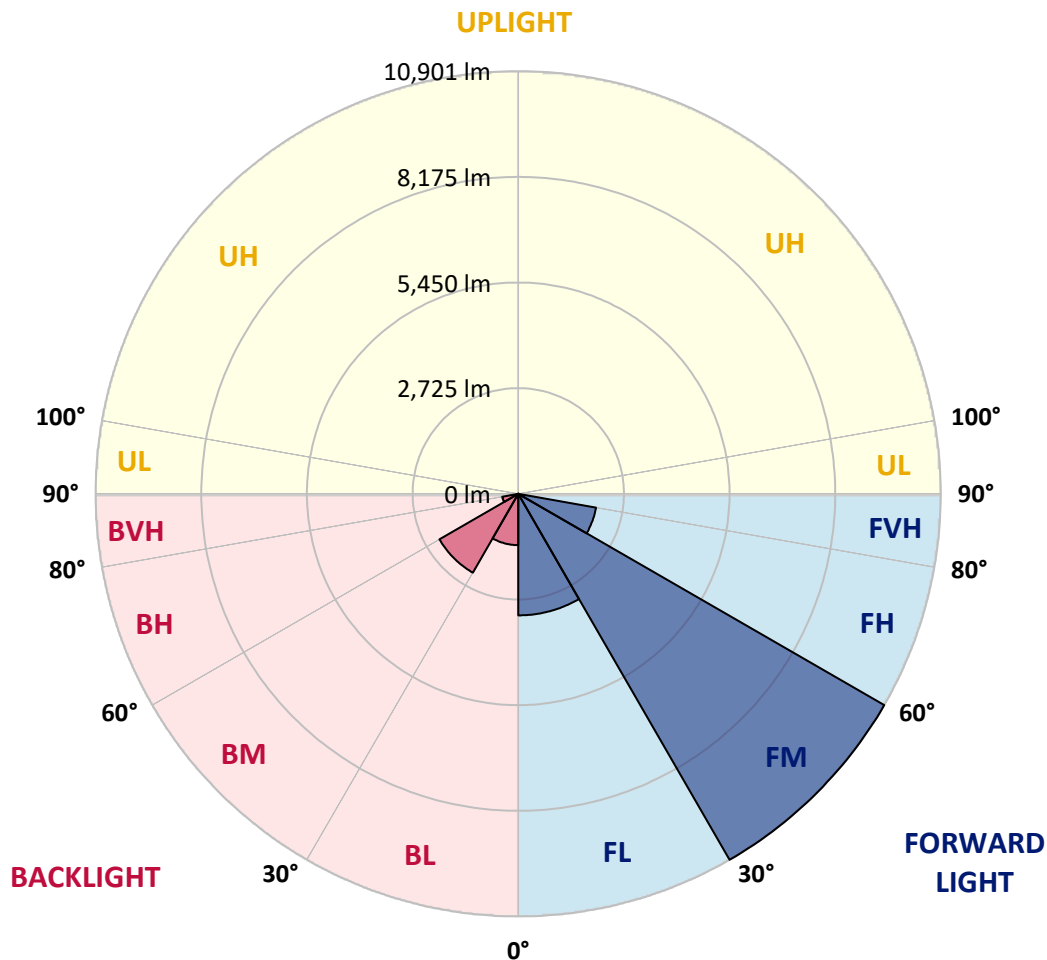
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3135.1	15.5			
FM	(30°-60°)	10900.5	54.0			
FH	(60°-80°)	2036.9	10.1			G2/5000
FVH	(80°-90°)	15.9	0.1			G1/100
BL	(0°-30°)	1325.0	6.6	B3/2500		
BM	(30°-60°)	2346.9	11.6	B2/2500		
BH	(60°-80°)	419.1	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°	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7
2.5°	10830.2	10862.0	11036.7	11255.0	11370.2	11632.2	11449.6	11497.2	11398.0	11048.6	10774.7
5°	10500.7	10496.8	10719.1	11259.0	11771.1	12291.2	12307.1	12029.2	11540.9	11004.9	10238.7
7.5°	9508.2	9663.0	9893.3	10754.8	11703.6	12092.7	12279.3	11953.8	11203.4	10437.2	9607.5
10°	8757.9	8837.3	9226.3	10266.5	10961.2	11481.3	11596.5	11409.9	10834.2	9877.4	8948.4
12.5°	8325.1	8364.8	8821.4	9694.8	10429.3	10814.4	10869.9	10957.3	10544.4	9647.2	8531.6
15°	8329.1	8360.9	8976.2	9706.7	9996.5	9893.3	10075.9	10072.0	10250.6	9603.5	8881.0
17.5°	8928.6	8964.3	9520.1	9881.4	9754.4	9512.2	9500.3	9682.9	10060.1	10147.4	9409.0
20°	9960.8	10044.2	10453.1	10433.2	9718.6	9230.3	9095.3	9234.3	10111.7	10607.9	10472.9
22.5°	11350.3	11465.4	11751.3	11203.4	9881.4	9039.8	8996.1	9266.0	10453.1	11636.2	11679.8
25°	12962.1	13156.7	13295.6	12592.9	10461.0	9369.3	9162.8	9627.3	10913.6	12751.7	13216.2
27.5°	14030.1	14232.6	14200.8	13196.4	10850.1	9456.6	9281.9	9714.7	11314.6	13017.7	14018.2
30°	14863.8	14986.9	15209.2	13521.9	11239.2	9702.7	9405.0	10083.9	11445.6	13478.2	14986.9
32.5°	15836.4	15919.8	15935.7	14097.6	11838.6	10012.4	9786.1	10544.4	12025.2	13918.9	15844.4
35°	16817.0	16940.1	16682.1	14808.2	12207.8	10588.1	10421.3	11342.4	12489.7	14375.5	16789.3
37.5°	17881.0	17944.5	17349.0	15102.0	12735.9	11525.0	11433.7	12203.9	13295.6	15201.2	17837.3
40°	18774.3	18833.8	18059.7	15463.3	13291.7	12835.1	13069.3	13847.5	14391.4	15737.2	18361.4
42.5°	19270.5	19409.5	18297.9	15264.8	14407.2	14319.9	15360.0	15634.0	15661.8	15888.1	18829.8
45°	19405.5	19342.0	17904.8	15427.5	15383.9	16761.5	17706.3	18067.6	16924.2	16166.0	18948.9
47.5°	18782.2	18865.6	17325.2	15284.6	16666.2	18611.5	19834.3	20505.2	17865.1	15923.8	18655.2
50°	18278.0	18170.8	17138.6	15181.4	17011.6	19484.9	21370.7	21521.5	18730.6	16221.5	18333.6
52.5°	18377.3	18444.8	17436.4	15455.3	17019.5	19536.5	21608.9	21505.6	18758.4	16154.0	18218.5
55°	18587.7	18289.9	17309.3	14851.9	15880.1	18095.4	19179.2	19020.4	17313.3	15435.5	17936.6
57.5°	16038.9	16499.4	15915.8	13259.9	13033.6	13633.1	13613.2	14101.5	12914.5	13283.7	16328.7
60°	13017.7	13097.1	13315.5	11342.4	9019.9	8813.5	8527.6	8218.0	8690.4	11358.3	14851.9
62.5°	11449.6	11354.3	12132.4	10318.1	6367.9	5331.7	5284.1	5474.7	6705.4	10834.2	13930.8
65°	8321.2	8440.3	9004.0	8007.5	4779.9	4069.3	3997.8	4561.6	5427.0	8682.5	10631.7
67.5°	5081.6	5311.9	5363.5	4938.7	3243.5	2576.5	2473.3	2985.5	3918.4	5617.6	6232.9
70°	2346.3	2624.2	2886.2	2695.6	1877.8	1060.0	1000.4	1254.5	1977.1	3231.6	3307.0
72.5°	710.6	714.6	1000.4	1044.1	607.4	238.2	210.4	277.9	670.9	1067.9	1123.5
75°	51.6	55.6	135.0	154.8	115.1	59.6	63.5	75.4	142.9	238.2	178.7
77.5°	4.0	4.0	4.0	19.9	35.7	39.7	51.6	59.6	75.4	87.3	79.4
80°	4.0	0.0	4.0	15.9	27.8	39.7	47.6	55.6	59.6	67.5	59.6
82.5°	0.0	0.0	0.0	11.9	27.8	39.7	43.7	59.6	67.5	79.4	67.5
85°	0.0	0.0	0.0	11.9	27.8	43.7	39.7	19.9	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°	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7
2.5°	10822.3	10667.5	10314.1	10135.5	9714.7	9655.1	9242.2	9174.7	9035.8	8960.4	8777.7
5°	9901.3	9714.7	9139.0	8654.7	8090.9	7697.9	7396.2	7122.2	6963.4	6816.5	6884.0
7.5°	9150.9	8607.0	7967.8	7158.0	6506.9	6086.1	5625.5	5248.4	5026.1	4875.2	4910.9
10°	8364.8	8011.5	7122.2	6213.1	5427.0	5129.3	4768.0	4478.2	4164.6	3894.6	3767.6
12.5°	8118.7	7594.7	6479.1	5554.1	4958.6	4668.8	4255.9	3922.4	3521.4	3191.9	3076.8
15°	8162.4	7658.2	6304.4	5315.9	4613.2	4112.9	3620.7	3207.8	2767.1	2536.8	2417.7
17.5°	8873.0	7999.6	6419.5	5065.8	4132.8	3438.0	2830.6	2306.6	1977.1	1738.9	1687.3
20°	9746.4	8738.0	6665.7	4883.1	3739.8	2735.3	2068.4	1615.8	1341.9	1302.2	1290.3
22.5°	11024.8	9944.9	7193.7	4760.1	3259.4	2131.9	1417.3	1175.1	1099.7	1091.8	1095.7
25°	12811.3	11457.5	7769.3	4656.8	2898.1	1643.6	1159.2	996.5	972.7	960.7	980.6
27.5°	13585.4	12370.6	8075.0	4434.5	2568.6	1480.8	1143.4	988.5	921.0	901.2	913.1
30°	14542.2	12978.0	8555.4	4053.4	2084.3	1218.8	1067.9	1075.9	1044.1	944.9	913.1
32.5°	15812.6	13736.3	8797.6	3783.4	1861.9	1008.4	782.1	718.6	801.9	817.8	845.6
35°	16626.5	14506.5	8920.7	3624.6	1746.8	861.5	663.0	603.4	583.6	587.6	603.4
37.5°	18139.1	15546.6	9075.5	3457.9	1659.5	750.3	599.5	543.9	516.1	516.1	532.0
40°	19044.2	16372.4	9285.9	3366.6	1572.1	682.8	543.9	496.3	472.4	472.4	480.4
42.5°	19270.5	16781.3	9214.4	3334.8	1472.9	667.0	496.3	460.5	432.7	428.8	424.8
45°	19675.5	17404.6	9226.3	3299.1	1369.7	607.4	468.5	428.8	389.1	385.1	381.1
47.5°	20120.1	17853.2	9250.2	3160.1	1270.4	508.2	488.3	397.0	349.4	341.4	341.4
50°	19739.0	18210.5	9456.6	3021.2	1143.4	412.9	480.4	373.2	309.7	297.8	301.7
52.5°	19786.6	18631.3	9893.3	2826.7	984.6	329.5	389.1	353.3	281.9	262.0	266.0
55°	19024.4	18186.7	9952.9	2620.2	770.2	254.1	297.8	309.7	238.2	230.3	230.3
57.5°	16376.4	15399.7	8781.7	2124.0	508.2	210.4	214.4	270.0	206.4	198.5	202.5
60°	14014.2	12362.7	7066.7	1401.4	317.6	166.7	154.8	273.9	182.6	178.7	190.6
62.5°	12775.6	10159.3	5359.5	869.4	218.4	127.0	107.2	222.3	158.8	158.8	174.7
65°	9230.3	6824.5	3116.5	456.6	154.8	99.3	79.4	127.0	131.0	135.0	142.9
67.5°	5716.8	3446.0	1314.1	222.3	103.2	67.5	51.6	79.4	87.3	87.3	95.3
70°	2822.7	1373.6	436.7	127.0	79.4	55.6	35.7	43.7	43.7	39.7	43.7
72.5°	873.4	412.9	111.2	79.4	55.6	35.7	19.9	15.9	7.9	0.0	4.0
75°	99.3	79.4	71.5	55.6	35.7	15.9	4.0	0.0	0.0	0.0	0.0
77.5°	59.6	67.5	67.5	55.6	35.7	11.9	0.0	0.0	0.0	0.0	0.0
80°	47.6	51.6	55.6	51.6	31.8	15.9	0.0	0.0	0.0	0.0	0.0
82.5°	59.6	67.5	75.4	67.5	43.7	19.9	7.9	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	11.9	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°	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7
2.5°	8702.3	8615.0	8738.0	8555.4	8551.4	8555.4	8503.8	8456.2	8531.6	8734.1	8753.9
5°	6641.9	6828.4	6888.0	7082.5	6975.3	6816.5	6848.3	6741.1	7003.1	7118.3	7027.0
7.5°	4835.5	4823.6	5224.6	5248.4	5300.0	5304.0	5296.0	5085.6	4871.2	4918.9	5061.8
10°	3751.7	3549.2	3743.7	3723.9	3850.9	3815.2	3866.8	3640.5	3715.9	3715.9	3807.3
12.5°	3056.9	2842.5	2806.8	2755.2	2806.8	2826.7	2846.5	2802.8	2929.9	2989.4	3053.0
15°	2334.4	2215.3	2183.5	2084.3	2100.1	2155.7	2203.4	2223.2	2183.5	2274.8	2282.8
17.5°	1695.2	1691.2	1711.1	1707.1	1691.2	1679.3	1675.4	1623.7	1607.9	1615.8	1647.6
20°	1286.3	1318.0	1385.5	1453.0	1488.8	1445.1	1385.5	1298.2	1262.5	1270.4	1274.4
22.5°	1099.7	1147.3	1238.6	1314.1	1349.8	1270.4	1163.2	1087.8	1071.9	1067.9	1064.0
25°	996.5	1052.1	1119.5	1143.4	1139.4	1091.8	1012.4	980.6	972.7	964.7	929.0
27.5°	940.9	960.7	972.7	1000.4	1012.4	980.6	960.7	913.1	905.2	905.2	881.3
30°	909.1	897.2	913.1	893.3	909.1	885.3	889.3	889.3	869.4	877.4	877.4
32.5°	845.6	849.6	849.6	809.9	821.8	794.0	821.8	845.6	849.6	853.6	885.3
35°	619.3	690.8	726.5	726.5	738.4	718.6	714.6	686.8	651.1	615.4	599.5
37.5°	543.9	571.7	619.3	647.1	667.0	651.1	615.4	571.7	551.8	536.0	520.1
40°	484.3	508.2	539.9	571.7	611.4	591.5	536.0	516.1	492.3	492.3	476.4
42.5°	436.7	448.6	468.5	516.1	559.8	520.1	480.4	464.5	452.6	448.6	444.6
45°	393.0	397.0	416.9	456.6	508.2	468.5	428.8	408.9	412.9	416.9	412.9
47.5°	353.3	361.3	373.2	420.8	452.6	432.7	389.1	377.2	377.2	377.2	381.1
50°	305.7	325.5	349.4	389.1	412.9	401.0	365.2	349.4	341.4	341.4	345.4
52.5°	273.9	289.8	321.6	369.2	401.0	381.1	345.4	321.6	305.7	301.7	309.7
55°	238.2	266.0	317.6	353.3	397.0	377.2	337.5	309.7	281.9	277.9	277.9
57.5°	214.4	258.1	305.7	349.4	385.1	369.2	337.5	301.7	266.0	262.0	262.0
60°	202.5	250.1	297.8	337.5	385.1	361.3	333.5	293.8	254.1	254.1	250.1
62.5°	190.6	234.2	281.9	321.6	369.2	349.4	321.6	281.9	242.2	242.2	234.2
65°	158.8	202.5	234.2	270.0	321.6	301.7	273.9	246.1	214.4	206.4	210.4
67.5°	111.2	139.0	170.7	206.4	238.2	230.3	218.4	198.5	170.7	166.7	162.8
70°	55.6	75.4	103.2	139.0	166.7	158.8	150.9	135.0	119.1	115.1	115.1
72.5°	7.9	23.8	43.7	63.5	87.3	91.3	87.3	83.4	79.4	75.4	79.4
75°	0.0	0.0	0.0	15.9	35.7	43.7	51.6	59.6	59.6	51.6	63.5
77.5°	0.0	0.0	0.0	0.0	4.0	19.9	39.7	51.6	63.5	55.6	75.4
80°	0.0	0.0	0.0	0.0	4.0	23.8	39.7	55.6	63.5	55.6	79.4
82.5°	0.0	0.0	0.0	0.0	4.0	27.8	39.7	51.6	59.6	55.6	71.5
85°	0.0	0.0	0.0	0.0	11.9	23.8	15.9	7.9	4.0	4.0	11.9
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: P533019

CATALOG NUMBER: GLAN-SA8B-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7	10234.7
2.5°	8865.1	9146.9	9448.7	9563.8	9921.1	10191.1	10373.7	10766.7	10826.3	10830.2
5°	7122.2	7265.2	7781.3	8023.4	8555.4	8968.3	9409.0	10044.2	10469.0	10500.7
7.5°	5061.8	5458.8	5677.1	6308.4	6963.4	7610.5	8265.6	9004.0	9496.3	9508.2
10°	4073.2	4331.3	4720.4	5192.8	5744.6	6403.7	7277.1	8134.6	8634.8	8757.9
12.5°	3279.2	3731.8	4176.5	4664.8	5085.6	5581.9	6522.8	7666.1	8079.0	8325.1
15°	2524.9	2937.8	3461.9	4033.5	4510.0	5172.9	6244.9	7551.0	8245.7	8329.1
17.5°	1861.9	2231.2	2715.5	3255.4	3970.0	4910.9	6292.5	8134.6	8789.6	8928.6
20°	1337.9	1552.3	1933.4	2560.7	3469.8	4605.2	6340.1	8726.1	9722.6	9960.8
22.5°	1060.0	1147.3	1397.5	1953.3	2910.0	4283.7	6677.6	9857.6	11004.9	11350.3
25°	921.0	968.7	1087.8	1540.4	2556.7	4251.9	7217.5	11215.3	12712.0	12962.1
27.5°	889.3	897.2	1000.4	1413.3	2366.1	4041.5	7424.0	12180.0	13776.0	14030.1
30°	936.9	1064.0	1071.9	1195.0	2012.8	3624.6	7531.1	13113.0	14677.2	14863.8
32.5°	809.9	770.2	798.0	925.0	1770.6	3382.5	7733.6	13926.9	15705.4	15836.4
35°	563.7	591.5	655.1	801.9	1548.3	3128.4	7785.2	14824.1	16682.1	16817.0
37.5°	520.1	536.0	587.6	682.8	1361.7	2985.5	7713.8	15479.1	17694.4	17881.0
40°	484.3	504.2	532.0	619.3	1222.8	2826.7	7614.5	16070.7	18313.7	18774.3
42.5°	456.6	472.4	496.3	591.5	1103.7	2667.9	7475.6	16904.4	18869.5	19270.5
45°	424.8	448.6	476.4	575.7	1036.2	2560.7	7372.3	16852.8	19191.1	19405.5
47.5°	393.0	432.7	464.5	536.0	1016.3	2509.1	7416.0	16658.2	18929.1	18782.2
50°	361.3	412.9	468.5	444.6	968.7	2405.8	7467.6	16924.2	18305.8	18278.0
52.5°	333.5	393.0	436.7	365.2	861.5	2306.6	7967.8	17273.6	18746.5	18377.3
55°	293.8	353.3	349.4	293.8	698.7	2231.2	8360.9	17281.5	18448.7	18587.7
57.5°	266.0	313.6	273.9	246.1	516.1	1865.9	7721.7	14490.6	15792.8	16038.9
60°	246.1	305.7	206.4	194.5	337.5	1345.8	6741.1	11223.3	12553.2	13017.7
62.5°	226.3	289.8	162.8	158.8	234.2	956.8	5542.2	9393.1	10818.3	11449.6
65°	198.5	206.4	131.0	123.1	166.7	516.1	3374.5	6467.2	8086.9	8321.2
67.5°	162.8	158.8	107.2	99.3	111.2	250.1	1488.8	3239.5	4688.6	5081.6
70°	131.0	131.0	91.3	79.4	79.4	115.1	389.1	1290.3	2120.0	2346.3
72.5°	95.3	99.3	71.5	63.5	59.6	55.6	63.5	258.1	555.8	710.6
75°	83.4	87.3	71.5	55.6	43.7	35.7	27.8	23.8	31.8	51.6
77.5°	91.3	91.3	75.4	51.6	39.7	27.8	15.9	7.9	7.9	4.0
80°	115.1	119.1	99.3	67.5	47.6	31.8	19.9	7.9	4.0	4.0
82.5°	123.1	135.0	111.2	83.4	59.6	35.7	19.9	4.0	0.0	0.0
85°	31.8	51.6	87.3	75.4	59.6	35.7	19.9	4.0	0.0	0.0
87.5°	0.0	4.0	11.9	11.9	15.9	15.9	11.9	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)