

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: P457338

Luminaire Tested: **GLAN-SA8C-830-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-830-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1050mA 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: 32398 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

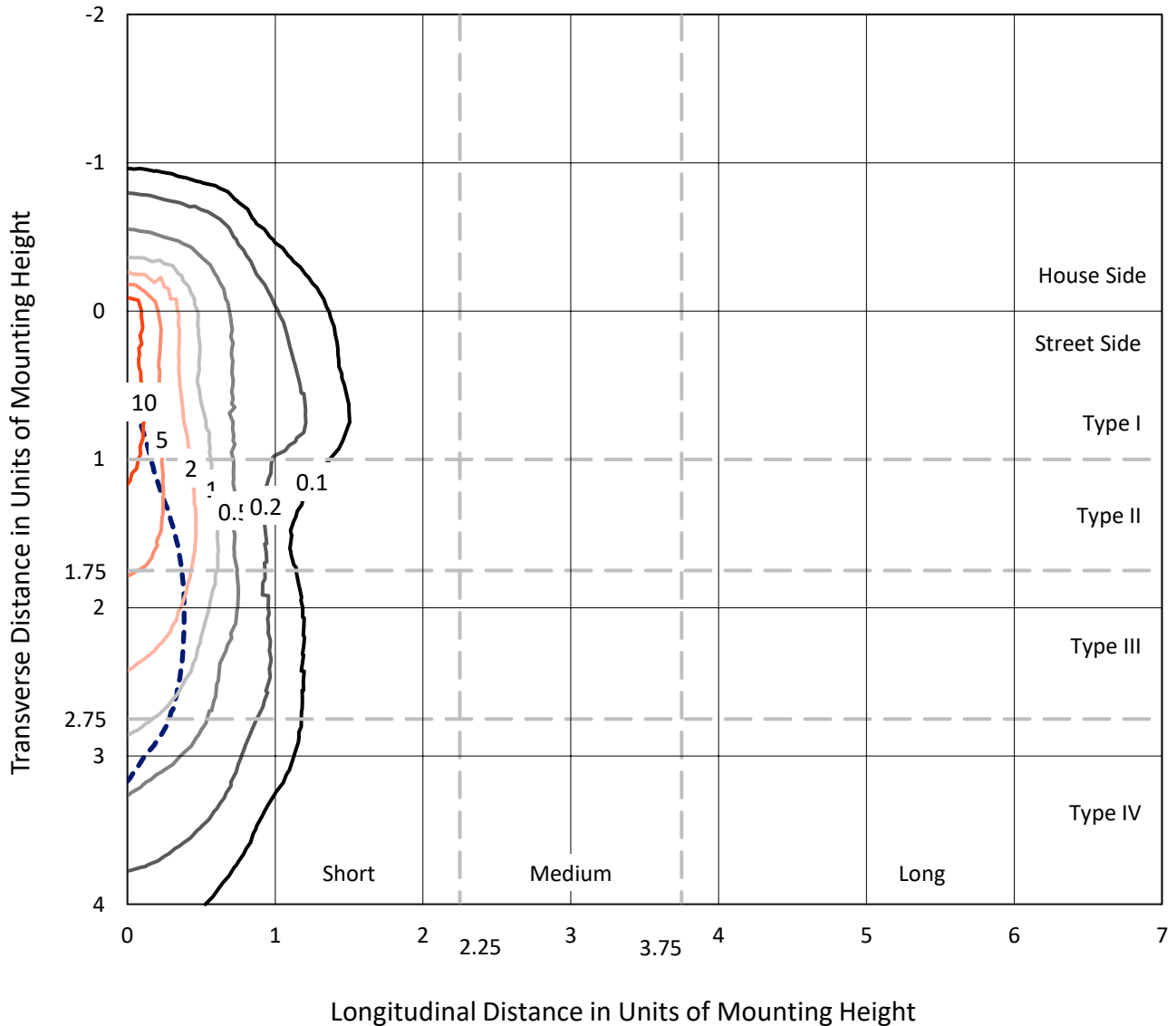
Input Watts (W): 429
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

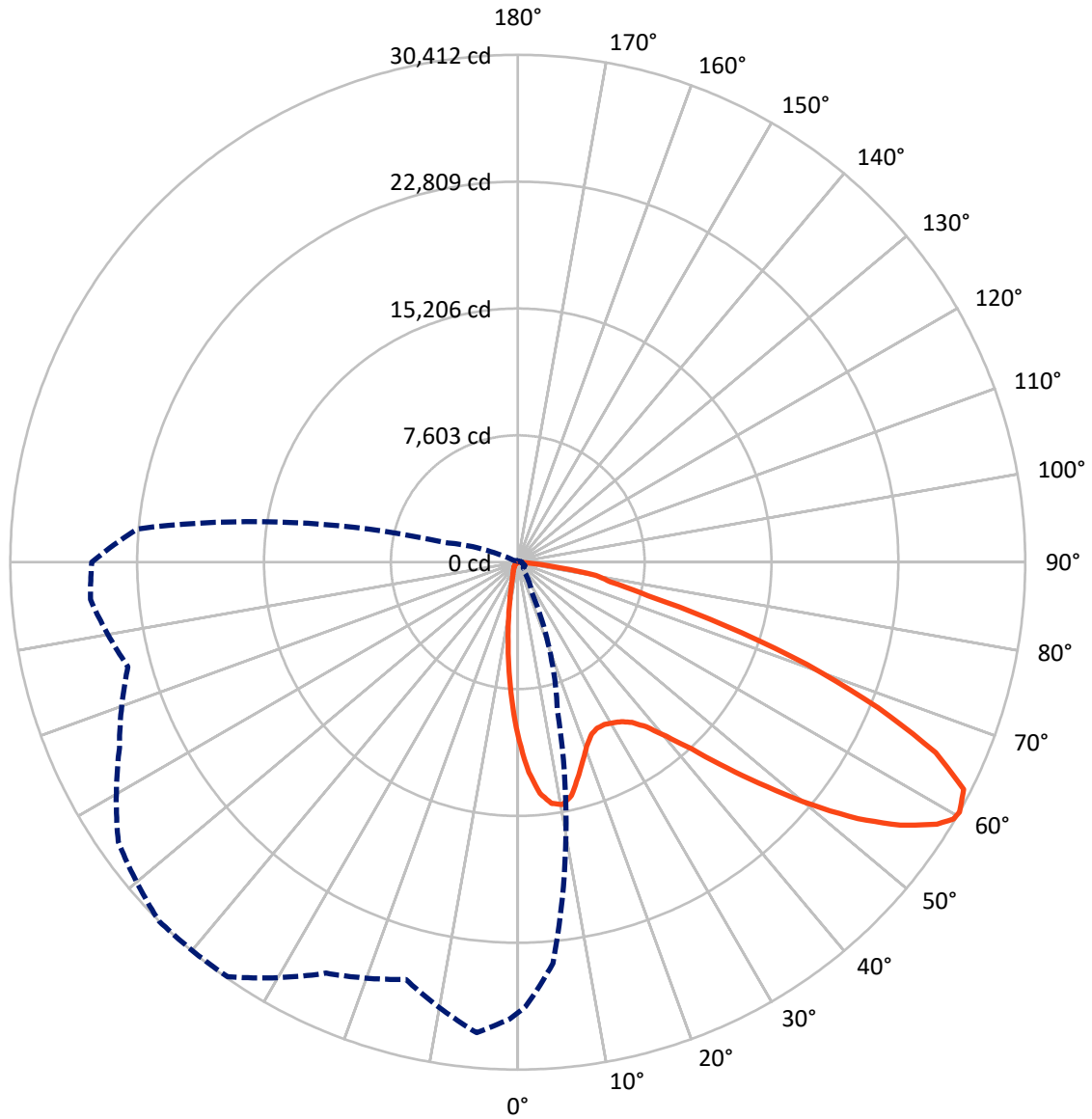
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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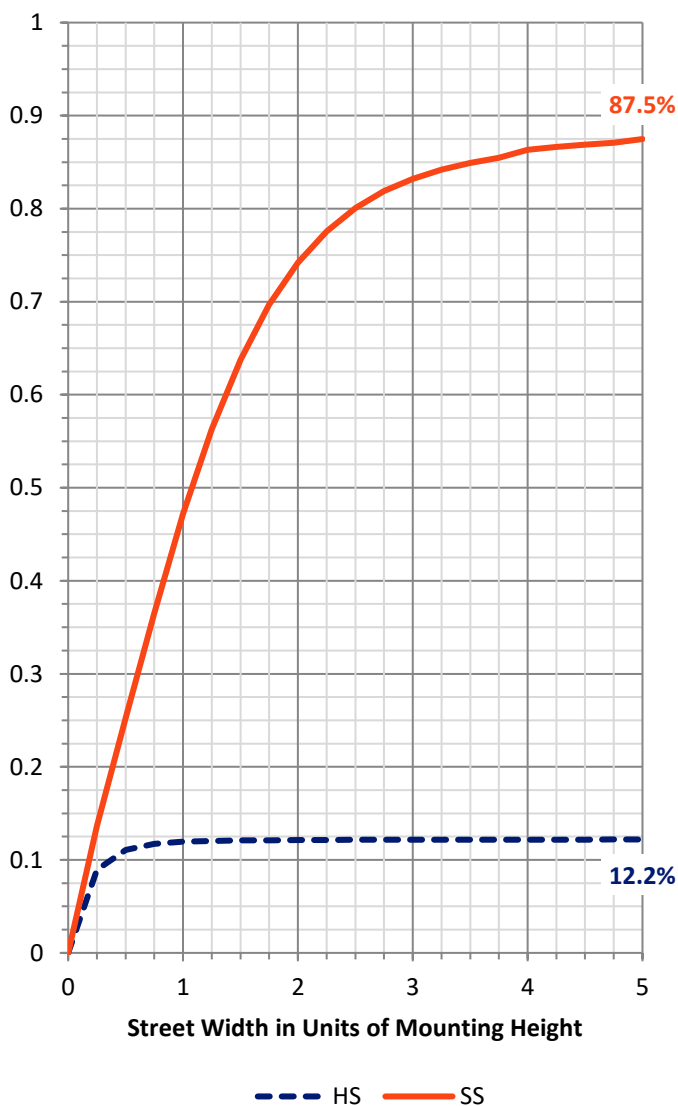
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3996.0	0.0	3996.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	28402.0	0.0	28402.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	32398.0	0.0	32398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	796.4	2.5
10°-20°	1581.7	4.9
20°-30°	2319.2	7.2
30°-40°	3449.1	10.6
40°-50°	5019.5	15.5
50°-60°	7238.5	22.3
60°-70°	7961.5	24.6
70°-80°	3566.1	11.0
80°-90°	466.0	1.4
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°	32398.0	100.0
0°-180°	32398.0	100.0

Coefficient of Utilization



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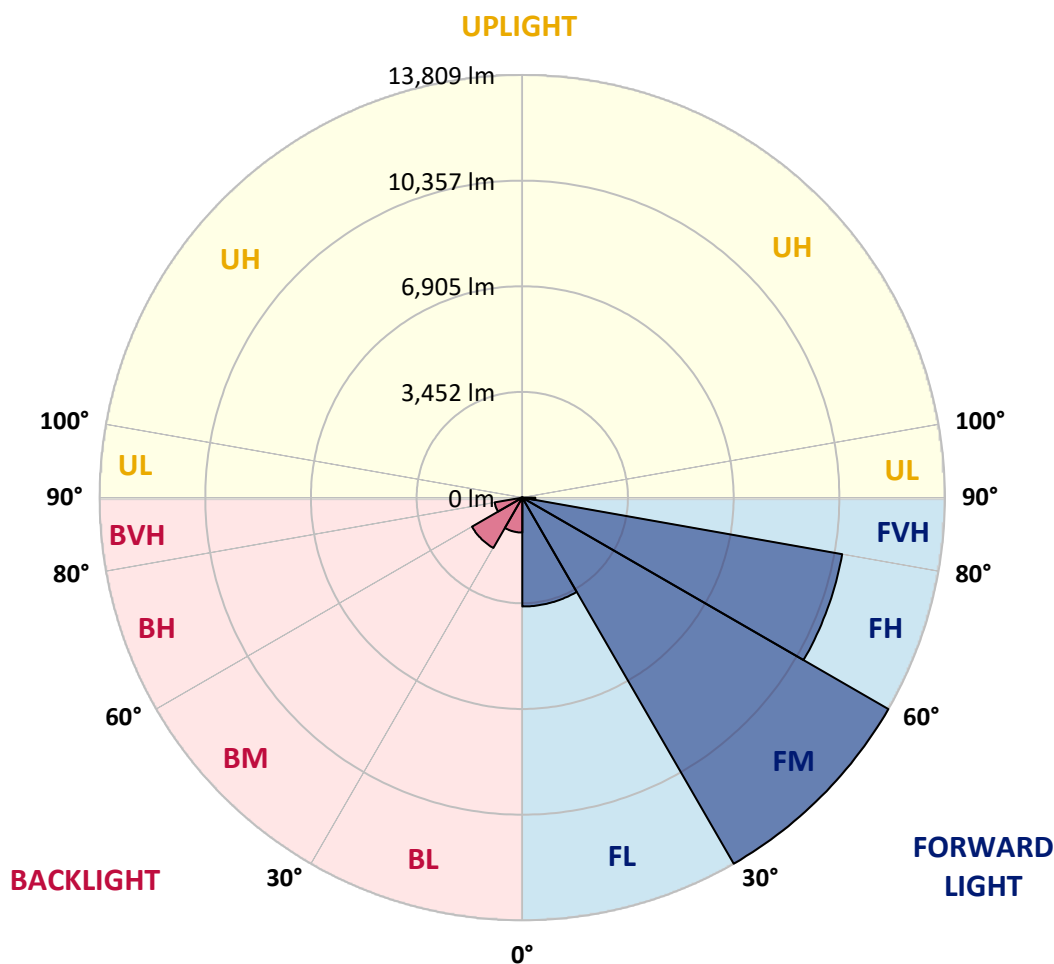
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3555.6	11.0			
FM	(30°-60°)	13809.0	42.6			
FH	(60°-80°)	10611.3	32.8			G4/12000
FVH	(80°-90°)	426.1	1.3			G3/500
BL	(0°-30°)	1141.8	3.5	B3/2500		
BM	(30°-60°)	1898.0	5.9	B2/2500		
BH	(60°-80°)	916.4	2.8	B2/1000		G2/1000
BVH	(80°-90°)	39.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0
2.5°	11771.9	11720.2	11602.0	11242.4	10929.6	10520.8	10107.1	9782.0	9582.5	9215.6	9048.1
5°	11405.0	11429.6	11087.3	10348.4	9525.9	8964.4	8351.2	7863.5	7326.7	6986.8	6629.7
7.5°	10447.0	10397.7	10025.8	8996.4	7996.5	7183.8	6408.1	5777.6	5381.1	5063.4	4797.4
10°	9626.9	9589.9	9114.6	7789.7	6715.9	6107.6	5583.0	5031.4	4605.3	4139.9	3768.0
12.5°	9112.1	9028.4	8481.7	7097.6	6223.3	5656.9	5085.6	4511.7	3923.1	3452.8	3002.1
15°	8939.8	8819.1	8210.8	6858.7	5908.1	5189.0	4472.3	3812.3	3135.1	2615.4	2275.6
17.5°	9252.5	9053.0	8405.3	6816.9	5531.3	4578.2	3696.6	2837.1	2132.7	1736.2	1526.9
20°	9969.2	9740.1	8897.9	6775.0	5112.7	3893.6	2810.0	2004.7	1475.2	1258.5	1142.7
22.5°	11033.1	10717.9	9626.9	6841.5	4726.0	3226.2	2029.3	1416.1	1172.3	1036.8	955.5
25°	12311.2	12047.7	10550.4	7077.9	4420.6	2701.6	1568.8	1157.5	987.6	903.8	842.3
27.5°	13712.5	13291.4	11744.8	7361.1	4142.3	2295.3	1376.7	1034.4	879.2	802.9	770.8
30°	14710.0	14382.4	12744.7	7558.2	3795.1	1989.9	1258.5	1019.6	881.7	790.5	731.4
32.5°	15695.1	15276.4	13582.0	7649.3	3541.4	1778.1	1088.5	889.0	773.3	726.5	667.4
35°	16749.1	16310.7	14416.9	7600.0	3351.8	1637.7	987.6	793.0	662.5	583.7	524.6
37.5°	17815.5	17352.5	15246.8	7422.7	3233.6	1581.1	908.8	753.6	625.5	544.3	480.2
40°	19081.3	18463.2	16025.1	7277.4	3110.4	1551.5	857.0	729.0	598.4	512.3	448.2
42.5°	20115.7	19527.1	16761.4	7201.1	3026.7	1482.6	857.0	709.3	581.2	485.2	418.7
45°	21095.8	20485.1	17556.9	7262.6	2992.2	1396.4	866.9	706.8	568.9	465.5	399.0
47.5°	21915.9	21386.5	18374.5	7494.1	2947.9	1302.8	815.2	741.3	561.5	448.2	379.3
50°	22883.8	22371.5	19455.7	7962.0	2869.1	1209.2	751.1	797.9	559.0	433.4	362.0
52.5°	24248.2	23694.0	20948.1	8494.0	2743.5	1066.4	692.0	790.5	549.2	408.8	344.8
55°	25915.4	25467.2	22676.9	9131.8	2571.1	906.3	598.4	701.9	519.6	366.9	315.2
57.5°	26984.3	26602.5	23972.3	9407.7	2307.6	741.3	527.0	588.6	475.3	327.5	280.8
59°	27109.9	26765.1	24243.2	9316.6	2135.2	677.3	492.5	504.9	463.0	305.4	261.1
60°	27004.0	26646.9	24134.9	9139.2	1975.1	632.9	463.0	448.2	465.5	293.1	246.3
62.5°	26324.2	25713.5	23083.3	8240.3	1726.4	581.2	411.3	366.9	411.3	263.5	219.2
65°	25011.6	24095.5	21002.3	6974.5	1627.9	551.7	349.7	307.8	312.8	231.5	189.6
67.5°	22718.8	21563.8	18231.7	5666.8	1586.0	554.1	295.5	275.8	241.3	197.0	167.5
70°	19093.6	17941.1	14628.7	4662.0	1566.3	554.1	251.2	236.4	201.9	165.0	145.3
72.5°	13530.3	12289.1	9868.2	3662.1	1411.2	551.7	214.3	214.3	165.0	137.9	118.2
75°	7644.4	7654.2	6203.6	2590.8	1172.3	455.6	172.4	169.9	120.7	105.9	88.7
77.5°	4455.1	4376.3	4181.7	1113.2	544.3	206.9	120.7	103.4	83.7	76.3	64.0
80°	2290.4	1884.0	1834.7	403.9	194.6	130.5	83.7	59.1	54.2	49.3	44.3
82.5°	677.3	679.7	605.8	162.5	108.4	86.2	41.9	32.0	29.6	27.1	27.1
85°	46.8	29.6	34.5	49.3	66.5	34.5	2.5	7.4	7.4	9.9	12.3
87.5°	4.9	2.5	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°	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0
2.5°	8863.4	8971.8	8769.8	8774.7	8607.3	8661.5	8464.4	8528.5	8412.7	8501.4	8762.4
5°	6669.1	6693.7	6531.2	6479.5	6504.1	6605.1	6644.5	6464.7	6541.0	6390.8	6381.0
7.5°	4698.9	4728.5	4634.9	4622.6	4799.9	4758.0	4834.4	4649.7	4474.8	4551.1	4410.8
10°	3649.8	3526.6	3334.6	3280.4	3245.9	3268.1	3268.1	3100.6	3076.0	3009.5	3110.4
12.5°	2881.4	2731.2	2548.9	2302.7	2241.1	2236.2	2145.0	1997.3	1950.5	1893.8	1977.6
15°	2093.3	2031.8	1879.1	1741.2	1600.8	1573.7	1425.9	1305.3	1145.2	1123.0	1115.6
17.5°	1472.7	1381.6	1379.1	1300.3	1219.1	1164.9	1027.0	889.0	827.5	820.1	820.1
20°	1103.3	1071.3	1019.6	1009.7	985.1	923.5	800.4	726.5	697.0	699.4	709.3
22.5°	928.5	906.3	859.5	837.3	827.5	773.3	682.2	632.9	618.1	618.1	620.6
25°	829.9	810.2	758.5	724.0	711.7	672.3	600.9	564.0	551.7	551.7	551.7
27.5°	756.1	731.4	677.3	647.7	625.5	581.2	536.9	499.9	487.6	487.6	490.1
30°	704.3	677.3	628.0	588.6	554.1	514.7	477.8	445.8	431.0	428.5	431.0
32.5°	635.4	610.8	561.5	536.9	497.5	450.7	421.1	391.6	376.8	379.3	376.8
35°	495.0	487.6	453.1	460.5	438.4	399.0	371.9	339.9	322.6	320.2	325.1
37.5°	450.7	421.1	381.7	384.2	376.8	362.0	317.7	283.2	270.9	270.9	273.4
40°	416.2	386.7	342.3	320.2	322.6	322.6	275.8	238.9	226.6	224.1	229.0
42.5°	386.7	357.1	307.8	270.9	261.1	273.4	234.0	197.0	184.7	179.8	184.7
45°	366.9	334.9	278.3	236.4	206.9	221.6	192.1	162.5	147.8	147.8	145.3
47.5°	347.2	317.7	256.1	204.4	172.4	165.0	157.6	130.5	115.7	113.3	115.7
50°	330.0	300.5	231.5	177.3	145.3	128.1	128.1	103.4	93.6	88.7	91.1
52.5°	312.8	280.8	209.3	157.6	125.6	103.4	91.1	83.7	76.3	73.9	76.3
55°	288.1	256.1	187.2	135.5	108.4	86.2	71.4	69.0	64.0	59.1	64.0
57.5°	258.6	229.0	165.0	115.7	86.2	66.5	59.1	56.6	51.7	49.3	49.3
59°	241.3	214.3	152.7	101.0	76.3	59.1	54.2	51.7	46.8	41.9	44.3
60°	231.5	209.3	145.3	93.6	69.0	54.2	49.3	46.8	41.9	39.4	41.9
62.5°	204.4	187.2	128.1	76.3	54.2	39.4	34.5	36.9	34.5	32.0	34.5
65°	179.8	165.0	108.4	59.1	41.9	27.1	24.6	32.0	29.6	27.1	29.6
67.5°	160.1	142.8	91.1	44.3	29.6	14.8	17.2	27.1	27.1	24.6	27.1
70°	137.9	123.1	73.9	32.0	14.8	7.4	12.3	19.7	24.6	22.2	24.6
72.5°	113.3	96.0	56.6	22.2	7.4	0.0	7.4	17.2	24.6	22.2	24.6
75°	88.7	71.4	41.9	12.3	0.0	0.0	2.5	14.8	24.6	22.2	24.6
77.5°	64.0	51.7	24.6	2.5	0.0	0.0	2.5	14.8	24.6	22.2	24.6
80°	41.9	36.9	9.9	0.0	0.0	0.0	2.5	14.8	24.6	24.6	27.1
82.5°	27.1	19.7	0.0	0.0	0.0	0.0	4.9	19.7	27.1	29.6	29.6
85°	12.3	0.0	0.0	0.0	0.0	0.0	9.9	24.6	32.0	32.0	32.0
87.5°	0.0	0.0	0.0	0.0	0.0	4.9	17.2	29.6	36.9	36.9	36.9
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°	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0
2.5°	8806.8	8961.9	9181.1	9518.5	9791.9	10222.8	10552.8	11003.5	11459.1	11597.1	11811.3
5°	6481.9	6681.4	7178.9	7632.0	7917.7	8828.9	9405.2	10314.0	11129.1	11520.7	11946.8
7.5°	4501.9	4738.3	5117.6	5750.5	6351.4	7092.7	8023.6	9062.9	10257.3	10816.4	11417.3
10°	3159.7	3455.2	3989.6	4509.3	5265.3	5969.7	6888.3	8035.9	9353.5	10013.5	10767.1
12.5°	1994.8	2258.3	2965.1	3548.8	4492.0	5309.7	6156.9	7196.1	8723.0	9400.3	10190.8
15°	1140.2	1361.9	1691.9	2440.6	3487.2	4568.4	5624.9	6831.6	8400.4	9235.3	10089.9
17.5°	849.6	908.8	1056.5	1480.1	2433.2	3696.6	5134.8	6720.8	8619.6	9599.8	10575.0
20°	714.2	753.6	822.6	990.0	1551.5	2846.9	4657.0	6740.5	9328.9	10560.2	11486.2
22.5°	640.3	664.9	721.6	829.9	1059.0	2073.6	4098.0	6856.3	10188.4	11739.9	12808.7
25°	561.5	593.5	642.8	736.4	881.7	1438.2	3546.3	7114.9	11392.6	13237.2	14242.0
27.5°	499.9	529.5	578.7	664.9	773.3	1098.4	2903.6	7336.5	12663.4	14744.4	15567.0
30°	438.4	467.9	517.2	586.1	684.6	889.0	2211.5	7467.0	13897.3	15874.8	16507.8
32.5°	386.7	411.3	458.1	519.6	600.9	753.6	1743.6	7331.6	14840.5	16901.8	17325.4
35°	334.9	364.5	403.9	460.5	532.0	642.8	1450.6	6863.7	15650.7	17958.3	18111.0
37.5°	280.8	315.2	357.1	408.8	465.5	591.1	1164.9	6346.5	16517.6	19275.9	19024.7
40°	236.4	268.4	307.8	364.5	416.2	541.8	896.4	5794.8	17453.5	20512.2	20022.1
42.5°	192.1	226.6	273.4	325.1	411.3	472.8	694.5	5223.5	18293.2	21588.4	20923.5
45°	152.7	182.2	231.5	298.0	408.8	406.4	536.9	4659.5	18926.2	22356.8	21595.8
47.5°	120.7	145.3	194.6	290.6	376.8	344.8	431.0	4309.8	19591.1	23048.8	22110.5
50°	96.0	120.7	167.5	302.9	330.0	295.5	362.0	4366.4	20233.9	23401.0	22322.3
52.5°	81.3	105.9	145.3	238.9	253.7	258.6	317.7	4627.5	21063.8	23777.8	22743.4
55°	71.4	93.6	123.1	167.5	197.0	231.5	290.6	4817.1	22174.5	24585.6	23671.9
57.5°	56.6	81.3	110.8	142.8	162.5	201.9	268.4	4831.9	23179.3	25622.4	24905.7
59°	51.7	73.9	103.4	135.5	145.3	182.2	253.7	4706.3	23216.3	25777.5	25472.1
60°	46.8	71.4	98.5	125.6	137.9	172.4	241.3	4561.0	22881.3	25531.2	25706.1
62.5°	39.4	61.6	86.2	101.0	118.2	142.8	209.3	4034.0	21258.4	24415.6	25272.7
65°	34.5	54.2	73.9	83.7	98.5	123.1	184.7	3228.7	19465.5	22903.5	24031.4
67.5°	32.0	49.3	64.0	71.4	86.2	113.3	165.0	2280.5	17143.1	20985.0	22167.1
70°	29.6	46.8	56.6	66.5	76.3	96.0	140.4	1329.9	13205.2	17620.9	18869.5
72.5°	29.6	44.3	49.3	56.6	66.5	86.2	130.5	719.1	9028.4	13441.6	15054.7
75°	29.6	41.9	44.3	49.3	59.1	78.8	115.7	376.8	5836.7	9338.7	11525.6
77.5°	29.6	39.4	44.3	46.8	56.6	69.0	101.0	236.4	3888.7	6541.0	7789.7
80°	32.0	39.4	41.9	46.8	54.2	64.0	83.7	157.6	2285.4	3935.5	4740.8
82.5°	34.5	39.4	44.3	49.3	56.6	61.6	73.9	98.5	1054.1	2603.1	2945.4
85°	36.9	41.9	46.8	51.7	59.1	61.6	69.0	71.4	172.4	1174.7	1588.5
87.5°	39.4	44.3	49.3	54.2	64.0	64.0	64.0	64.0	59.1	125.6	320.2
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: P457338

CATALOG NUMBER: GLAN-SA8C-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0	10708.0
2.5°	12082.2	12360.5	12555.1	12604.3	12463.9	12399.9	12222.6	11946.8	11779.3	11771.9
5°	12732.4	13385.0	13838.1	13914.5	13643.6	13185.5	12641.3	11939.4	11528.1	11405.0
7.5°	12621.6	13764.3	14493.2	14599.1	14143.5	13269.3	12215.2	11084.8	10636.6	10447.0
10°	12165.9	13559.9	14601.6	14769.1	14160.8	12929.4	11589.7	10328.7	9772.2	9626.9
12.5°	11776.8	13185.5	14111.5	14343.0	13882.5	12653.6	11215.3	9843.6	9247.6	9112.1
15°	11606.9	12742.2	13308.7	13426.9	13350.5	12481.2	11175.9	9769.7	9087.5	8939.8
17.5°	11776.8	12365.4	12436.8	12557.5	12727.5	12463.9	11555.2	10171.1	9434.8	9252.5
20°	12222.6	12037.9	11742.4	11794.1	12183.2	12535.4	12230.0	11060.2	10163.7	9969.2
22.5°	12981.1	11956.6	11286.7	11242.4	11735.0	12774.2	13220.0	12264.5	11225.2	11033.1
25°	13912.0	12161.0	11119.3	11023.2	11560.1	13124.0	14296.2	13739.6	12604.3	12311.2
27.5°	14926.7	12584.6	11119.3	11025.7	11545.3	13434.3	15217.3	15044.9	14032.7	13712.5
30°	15483.3	12934.3	11279.4	11173.5	11727.6	13614.0	15709.8	16204.8	15106.5	14710.0
32.5°	15980.7	13419.5	11592.1	11392.6	12109.3	13880.0	16150.7	17189.9	15961.0	15695.1
35°	16438.8	13939.1	12023.1	11791.6	12611.7	14244.5	16638.3	18224.3	17150.5	16749.1
37.5°	16943.7	14542.5	12695.4	12498.4	13451.5	14953.8	17217.0	19583.7	18320.3	17815.5
40°	17492.9	15241.9	13801.2	13717.5	14786.3	15756.6	17948.5	21034.3	19655.1	19081.3
42.5°	18051.9	16047.2	15155.7	15293.6	16298.4	16882.1	18699.6	22149.9	20748.6	20115.7
45°	18559.2	17076.7	16916.6	17598.8	18061.7	17980.5	19256.2	22935.5	21701.7	21095.8
47.5°	19199.5	18576.5	19046.8	20098.4	20110.8	19174.9	19677.3	23578.3	22521.8	21915.9
50°	19916.2	20347.2	21797.7	22869.0	22580.9	20349.6	20169.9	24339.3	23369.0	22883.8
52.5°	20746.1	22329.7	24339.3	25528.8	24856.5	21630.3	20989.9	25161.8	24713.6	24248.2
55°	21711.5	23681.7	26873.4	27821.6	27144.3	23221.2	22236.1	26277.5	26233.1	25915.4
57.5°	22802.5	25110.1	28341.2	29624.3	29021.0	25088.0	23977.3	27329.0	27161.6	26984.3
59°	23664.5	25844.0	28988.9	30318.8	29954.3	26395.7	25147.1	27984.1	27375.8	27109.9
60°	24186.6	26341.5	29227.8	30412.4	30328.7	27173.9	25888.3	28304.3	27373.4	27004.0
62.5°	25735.7	27210.8	29136.7	29996.2	30323.7	28666.3	28062.9	28656.5	26866.1	26324.2
65°	26287.3	26922.7	27627.0	27521.1	27801.9	28590.0	29451.9	28269.8	25782.4	25011.6
67.5°	25213.6	23763.0	24011.7	23304.9	23167.0	25418.0	28888.0	26378.4	23662.0	22718.8
70°	21253.5	18204.6	18079.0	18404.1	17512.6	20578.7	25940.1	22736.0	20162.5	19093.6
72.5°	16729.4	12865.4	11806.4	13003.3	12976.2	15700.0	21549.0	16133.4	13621.4	13530.3
75°	13156.0	8957.0	7861.1	8055.6	8430.0	11365.6	17162.8	10245.0	8388.1	7644.4
77.5°	8831.4	6346.5	5920.4	5681.5	6085.4	7297.1	10858.2	5555.9	4703.8	4455.1
80°	5090.5	4610.3	5235.8	4753.1	4969.8	4597.9	5400.8	2548.9	2115.5	2290.4
82.5°	3312.4	2625.3	2797.7	2078.6	2842.0	2866.6	1733.8	753.6	637.9	677.3
85°	2071.2	1231.4	692.0	492.5	980.2	1802.7	541.8	46.8	54.2	46.8
87.5°	536.9	204.4	86.2	128.1	157.6	140.4	125.6	7.4	2.5	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)