

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: P533123

Luminaire Tested: **GLAN-SA8C-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533123
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-SA8C-735-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 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: 29237 lumens
Efficiency: N/A
Efficacy: 68.2 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

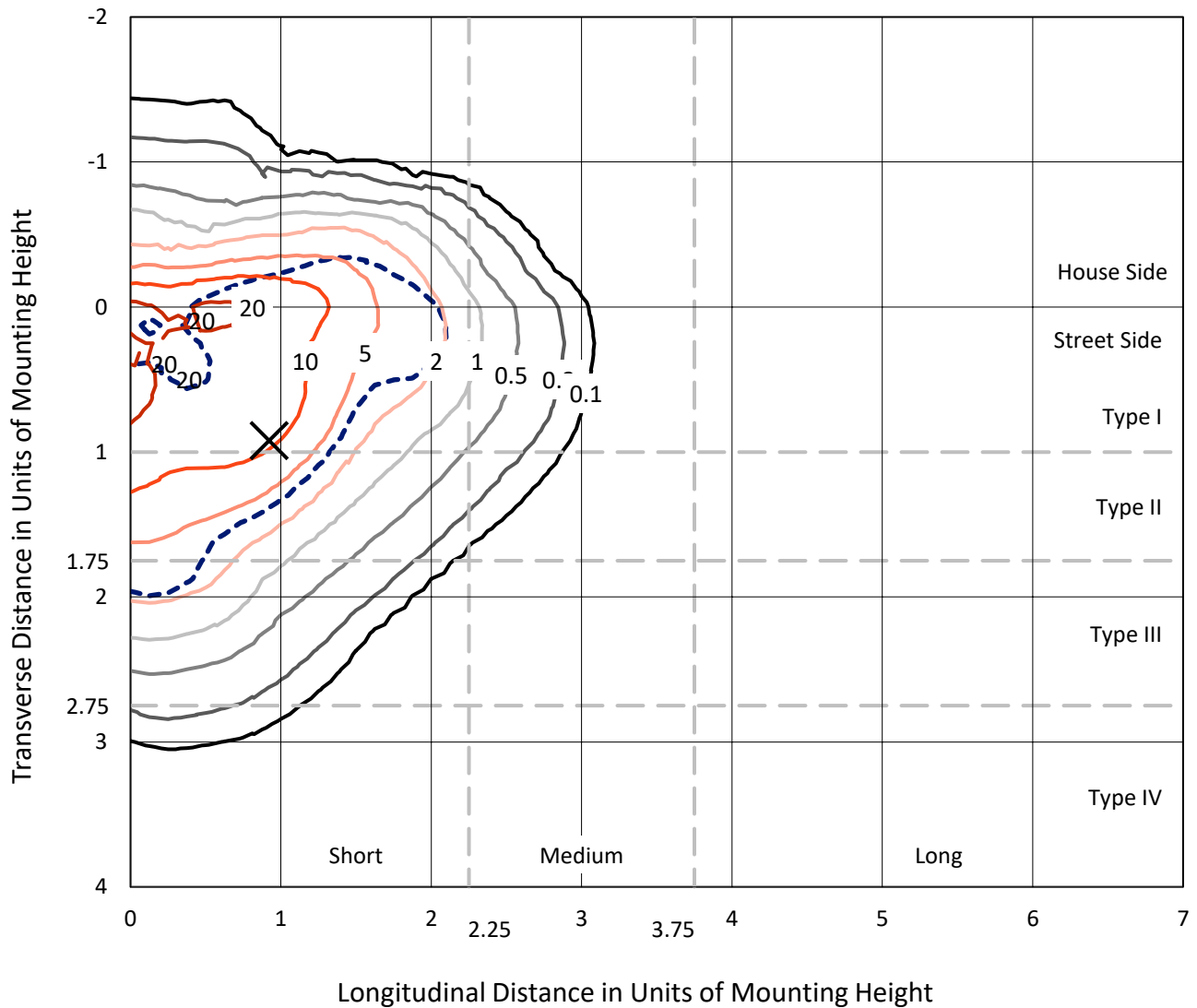
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

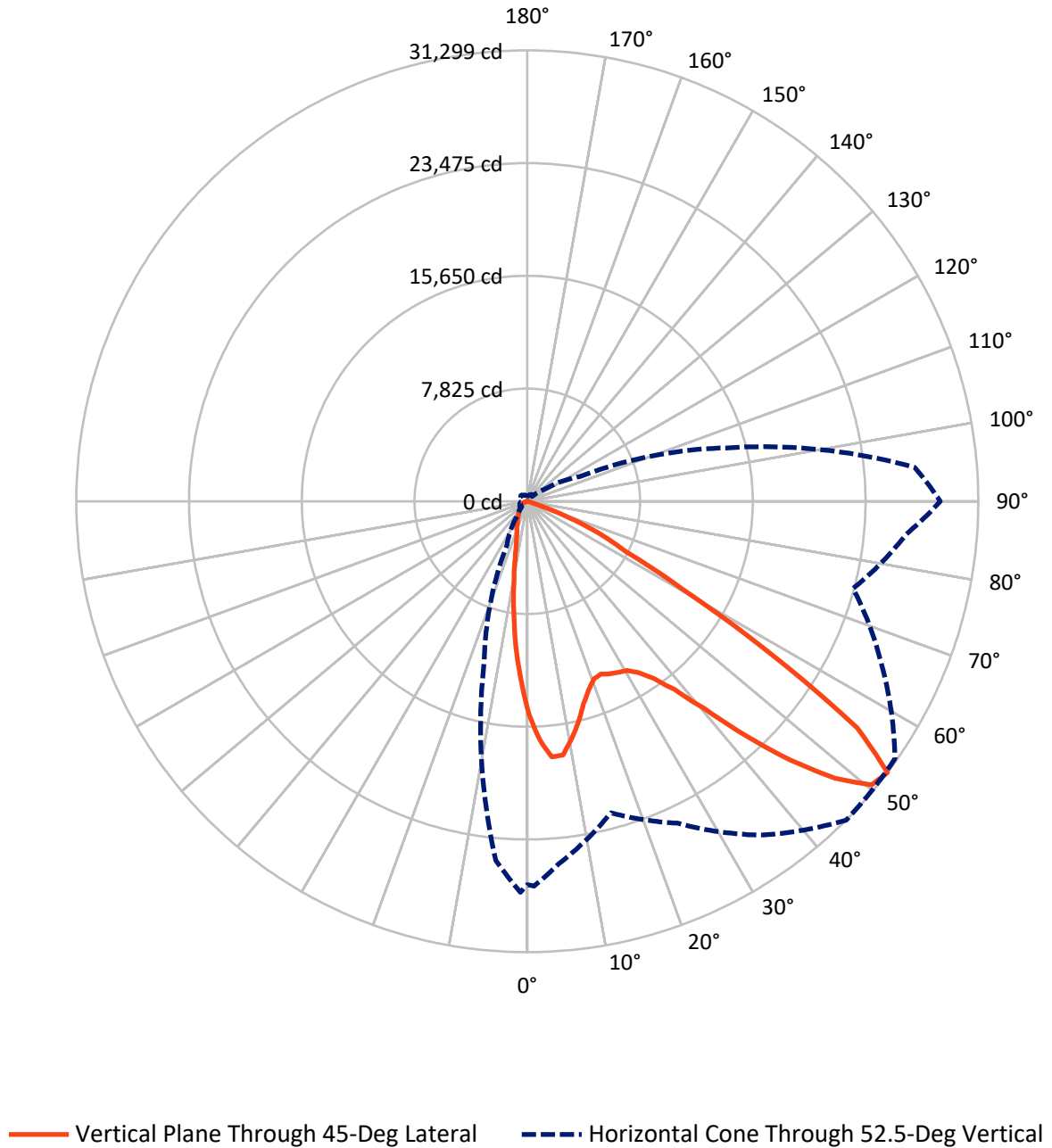
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.6 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	5933.7	0.0	5933.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	23303.4	0.0	23303.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	29237.0	0.0	29237.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1081.1	3.7
10°-20°	2133.0	7.3
20°-30°	3246.1	11.1
30°-40°	4851.7	16.6
40°-50°	6909.3	23.6
50°-60°	7427.2	25.4
60°-70°	3291.2	11.3
70°-80°	266.3	0.9
80°-90°	31.0	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°	29237.0	100.0
0°-180°	29237.0	100.0

Coefficient of Utilization



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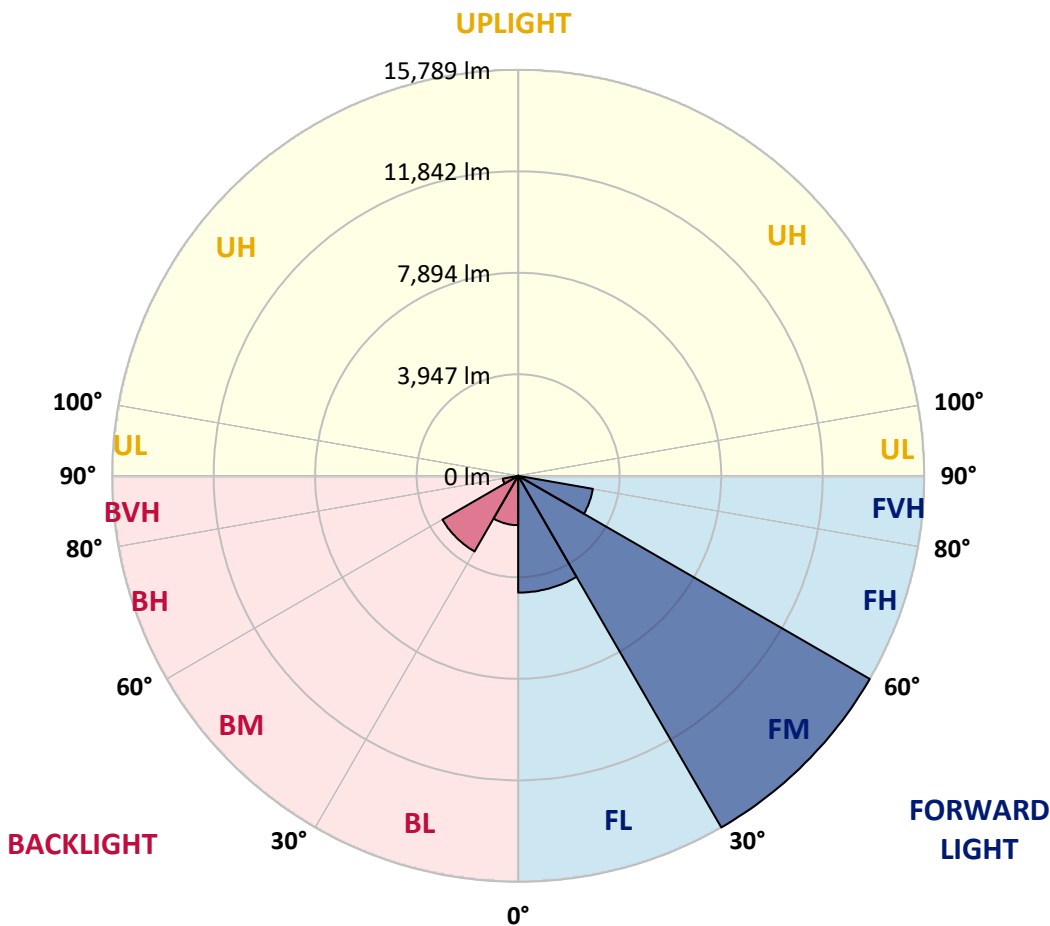
CATALOG NUMBER: GLAN-SA8C-735-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4541.1	15.5			
FM (30°-60°)	15788.9	54.0			
FH (60°-80°)	2950.4	10.1			G2/5000
FVH (80°-90°)	23.0	0.1			G1/100
BL (0°-30°)	1919.2	6.6	B3/2500		
BM (30°-60°)	3399.3	11.6	B3/5000		
BH (60°-80°)	607.1	2.1	B2/1000		G2/1000
BVH (80°-90°)	8.0	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°	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5
2.5°	15687.1	15733.1	15986.1	16302.4	16469.1	16848.7	16584.1	16653.1	16509.4	16003.3	15606.6
5°	15209.8	15204.0	15526.1	16308.1	17049.9	17803.2	17826.2	17423.7	16716.4	15940.1	14830.3
7.5°	13772.2	13996.5	14330.0	15577.8	16952.2	17515.7	17786.0	17314.4	16227.6	15117.8	13916.0
10°	12685.4	12800.4	13363.9	14870.5	15876.8	16630.1	16796.9	16526.6	15692.8	14307.0	12961.4
12.5°	12058.6	12116.1	12777.4	14042.5	15106.3	15664.1	15744.6	15871.1	15273.0	13973.5	12357.6
15°	12064.3	12110.3	13001.6	14059.7	14479.5	14330.0	14594.5	14588.8	14847.5	13910.2	12863.6
17.5°	12932.6	12984.4	13789.4	14312.7	14128.7	13777.9	13760.7	14025.2	14571.5	14698.0	13628.4
20°	14427.7	14548.5	15140.8	15112.0	14077.0	13369.7	13174.2	13375.4	14646.3	15365.1	15169.5
22.5°	16440.4	16607.1	17021.2	16227.6	14312.7	13093.6	13030.4	13421.4	15140.8	16854.4	16917.7
25°	18775.0	19056.8	19258.1	18240.3	15152.3	13570.9	13271.9	13944.7	15807.8	18470.3	19143.1
27.5°	20321.9	20615.2	20569.2	19114.3	15715.8	13697.4	13444.4	14071.2	16388.6	18855.5	20304.6
30°	21529.5	21707.7	22029.8	19585.8	16279.4	14054.0	13622.7	14606.0	16578.4	19522.6	21707.7
32.5°	22938.3	23059.1	23082.1	20419.7	17147.7	14502.5	14174.7	15273.0	17417.9	20160.9	22949.8
35°	24358.7	24536.9	24163.2	21449.0	17682.5	15336.3	15094.8	16428.9	18090.7	20822.2	24318.4
37.5°	25899.8	25991.8	25129.2	21874.5	18447.3	16693.4	16561.1	17676.7	19258.1	22018.3	25836.5
40°	27193.6	27279.9	26158.5	22397.8	19252.3	18591.0	18930.3	20057.4	20845.2	22794.6	26595.6
42.5°	27912.4	28113.7	26503.6	22110.3	20868.2	20741.7	22248.3	22645.1	22685.3	23013.1	27274.1
45°	28107.9	28015.9	25934.3	22346.0	22282.8	24278.2	25646.8	26170.0	24513.9	23415.6	27446.6
47.5°	27205.1	27325.9	25094.7	22139.0	24140.2	26957.9	28729.0	29700.8	25876.8	23064.8	27021.1
50°	26474.8	26319.6	24824.5	21989.5	24640.4	28222.9	30954.4	31172.9	27130.4	23496.1	26555.3
52.5°	26618.6	26716.3	25255.7	22386.3	24651.9	28297.7	31299.4	31149.9	27170.6	23398.4	26388.6
55°	26923.3	26492.1	25071.7	21512.2	23001.6	26210.3	27780.2	27550.1	25077.5	22357.5	25980.3
57.5°	23231.6	23898.6	23053.3	19206.3	18878.5	19746.9	19718.1	20425.4	18706.0	19240.8	23651.4
60°	18855.5	18970.6	19286.8	16428.9	13064.9	12765.9	12351.8	11903.3	12587.6	16451.9	21512.2
62.5°	16584.1	16446.1	17573.2	14945.3	9223.6	7722.8	7653.8	7929.8	9712.4	15692.8	20178.1
65°	12052.8	12225.3	13041.9	11598.5	6923.5	5894.2	5790.6	6607.2	7860.8	12576.1	15399.6
67.5°	7360.5	7694.0	7768.8	7153.5	4698.1	3732.0	3582.5	4324.3	5675.6	8136.8	9028.1
70°	3398.5	3801.0	4180.5	3904.5	2719.9	1535.4	1449.1	1817.1	2863.7	4680.8	4790.1
72.5°	1029.3	1035.1	1449.1	1512.4	879.8	345.0	304.8	402.5	971.8	1546.9	1627.4
75°	74.8	80.5	195.5	224.3	166.8	86.3	92.0	109.3	207.0	345.0	258.8
77.5°	5.8	5.8	5.8	28.8	51.8	57.5	74.8	86.3	109.3	126.5	115.0
80°	5.8	0.0	5.8	23.0	40.3	57.5	69.0	80.5	86.3	97.8	86.3
82.5°	0.0	0.0	0.0	17.3	40.3	57.5	63.3	86.3	97.8	115.0	97.8
85°	0.0	0.0	0.0	17.3	40.3	63.3	57.5	28.8	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°	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5
2.5°	15675.6	15451.3	14939.5	14680.8	14071.2	13985.0	13386.9	13289.2	13087.9	12978.6	12714.1
5°	14341.5	14071.2	13237.4	12535.9	11719.3	11150.0	10713.0	10316.2	10086.2	9873.4	9971.2
7.5°	13254.7	12466.9	11541.0	10368.0	9424.9	8815.4	8148.3	7602.0	7280.0	7061.5	7113.2
10°	12116.1	11604.3	10316.2	8999.4	7860.8	7429.5	6906.2	6486.4	6032.2	5641.1	5457.1
12.5°	11759.6	11000.5	9384.6	8044.8	7182.2	6762.5	6164.4	5681.4	5100.6	4623.3	4456.6
15°	11822.8	11092.5	9131.6	7699.8	6682.0	5957.4	5244.4	4646.3	4008.0	3674.5	3502.0
17.5°	12852.1	11587.0	9298.4	7337.5	5986.2	4979.8	4100.0	3341.0	2863.7	2518.7	2443.9
20°	14117.2	12656.6	9654.9	7073.0	5416.9	3962.0	2996.0	2340.4	1943.6	1886.1	1868.9
22.5°	15968.8	14404.7	10419.7	6894.7	4721.1	3088.0	2052.9	1702.1	1592.9	1581.4	1587.1
25°	18556.5	16595.6	11253.5	6745.2	4197.8	2380.7	1679.1	1443.3	1408.8	1391.6	1420.3
27.5°	19677.9	17918.2	11696.3	6423.2	3720.5	2144.9	1656.1	1431.8	1334.1	1305.3	1322.6
30°	21063.7	18798.0	12392.1	5871.2	3019.0	1765.4	1546.9	1558.4	1512.4	1368.6	1322.6
32.5°	22903.8	19896.4	12742.9	5480.1	2696.9	1460.6	1132.8	1040.8	1161.6	1184.6	1224.8
35°	24082.7	21011.9	12921.1	5250.1	2530.2	1247.8	960.3	874.1	845.3	851.1	874.1
37.5°	26273.6	22518.5	13145.4	5008.6	2403.7	1086.8	868.3	787.8	747.6	747.6	770.6
40°	27584.6	23714.6	13450.2	4876.3	2277.2	989.1	787.8	718.8	684.3	684.3	695.8
42.5°	27912.4	24306.9	13346.7	4830.3	2133.4	966.1	718.8	667.0	626.8	621.0	615.3
45°	28499.0	25209.7	13363.9	4778.6	1983.9	879.8	678.5	621.0	563.5	557.8	552.0
47.5°	29143.0	25859.5	13398.4	4577.3	1840.1	736.1	707.3	575.0	506.0	494.5	494.5
50°	28591.0	26377.1	13697.4	4376.1	1656.1	598.0	695.8	540.5	448.5	431.3	437.0
52.5°	28660.0	26986.6	14330.0	4094.3	1426.1	477.3	563.5	511.8	408.3	379.5	385.3
55°	27555.9	26342.6	14416.2	3795.3	1115.6	368.0	431.3	448.5	345.0	333.5	333.5
57.5°	23720.4	22305.8	12719.9	3076.5	736.1	304.8	310.5	391.0	299.0	287.5	293.3
60°	20298.9	17906.7	10235.7	2029.9	460.0	241.5	224.3	396.8	264.5	258.8	276.0
62.5°	18504.8	14715.3	7763.0	1259.3	316.3	184.0	155.3	322.0	230.0	230.0	253.0
65°	13369.7	9884.9	4514.1	661.3	224.3	143.8	115.0	184.0	189.8	195.5	207.0
67.5°	8280.6	4991.3	1903.4	322.0	149.5	97.8	74.8	115.0	126.5	126.5	138.0
70°	4088.5	1989.6	632.5	184.0	115.0	80.5	51.8	63.3	63.3	57.5	63.3
72.5°	1265.1	598.0	161.0	115.0	80.5	51.8	28.8	23.0	11.5	0.0	5.8
75°	143.8	115.0	103.5	80.5	51.8	23.0	5.8	0.0	0.0	0.0	0.0
77.5°	86.3	97.8	97.8	80.5	51.8	17.3	0.0	0.0	0.0	0.0	0.0
80°	69.0	74.8	80.5	74.8	46.0	23.0	0.0	0.0	0.0	0.0	0.0
82.5°	86.3	97.8	109.3	97.8	63.3	28.8	11.5	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	17.3	5.8	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°	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5
2.5°	12604.9	12478.4	12656.6	12392.1	12386.4	12392.1	12317.3	12248.3	12357.6	12650.9	12679.6
5°	9620.4	9890.7	9976.9	10258.7	10103.4	9873.4	9919.4	9764.2	10143.7	10310.5	10178.2
7.5°	7004.0	6986.7	7567.5	7602.0	7676.8	7682.5	7671.0	7366.3	7055.7	7124.7	7331.8
10°	5434.1	5140.9	5422.6	5393.9	5577.9	5526.1	5600.9	5273.1	5382.4	5382.4	5514.6
12.5°	4427.8	4117.3	4065.5	3990.8	4065.5	4094.3	4123.0	4059.8	4243.8	4330.0	4422.1
15°	3381.2	3208.7	3162.7	3019.0	3042.0	3122.5	3191.5	3220.2	3162.7	3295.0	3306.5
17.5°	2455.4	2449.7	2478.4	2472.7	2449.7	2432.4	2426.7	2351.9	2328.9	2340.4	2386.4
20°	1863.1	1909.1	2006.9	2104.6	2156.4	2093.1	2006.9	1880.4	1828.6	1840.1	1845.9
22.5°	1592.9	1661.9	1794.1	1903.4	1955.1	1840.1	1684.9	1575.6	1552.6	1546.9	1541.1
25°	1443.3	1523.9	1621.6	1656.1	1650.4	1581.4	1466.4	1420.3	1408.8	1397.3	1345.6
27.5°	1362.8	1391.6	1408.8	1449.1	1466.4	1420.3	1391.6	1322.6	1311.1	1311.1	1276.6
30°	1316.8	1299.6	1322.6	1293.8	1316.8	1282.3	1288.1	1288.1	1259.3	1270.8	1270.8
32.5°	1224.8	1230.6	1230.6	1173.1	1190.3	1150.1	1190.3	1224.8	1230.6	1236.3	1282.3
35°	897.1	1000.6	1052.3	1052.3	1069.6	1040.8	1035.1	994.8	943.1	891.3	868.3
37.5°	787.8	828.1	897.1	937.3	966.1	943.1	891.3	828.1	799.3	776.3	753.3
40°	701.5	736.1	782.1	828.1	885.6	856.8	776.3	747.6	713.0	713.0	690.0
42.5°	632.5	649.8	678.5	747.6	810.8	753.3	695.8	672.8	655.5	649.8	644.0
45°	569.3	575.0	603.8	661.3	736.1	678.5	621.0	592.3	598.0	603.8	598.0
47.5°	511.8	523.3	540.5	609.5	655.5	626.8	563.5	546.3	546.3	546.3	552.0
50°	442.8	471.5	506.0	563.5	598.0	580.8	529.0	506.0	494.5	494.5	500.3
52.5°	396.8	419.8	465.8	534.8	580.8	552.0	500.3	465.8	442.8	437.0	448.5
55°	345.0	385.3	460.0	511.8	575.0	546.3	488.8	448.5	408.3	402.5	402.5
57.5°	310.5	373.8	442.8	506.0	557.8	534.8	488.8	437.0	385.3	379.5	379.5
60°	293.3	362.3	431.3	488.8	557.8	523.3	483.0	425.5	368.0	368.0	362.3
62.5°	276.0	339.3	408.3	465.8	534.8	506.0	465.8	408.3	350.8	350.8	339.3
65°	230.0	293.3	339.3	391.0	465.8	437.0	396.8	356.5	310.5	299.0	304.8
67.5°	161.0	201.3	247.3	299.0	345.0	333.5	316.3	287.5	247.3	241.5	235.8
70°	80.5	109.3	149.5	201.3	241.5	230.0	218.5	195.5	172.5	166.8	166.8
72.5°	11.5	34.5	63.3	92.0	126.5	132.3	126.5	120.8	115.0	109.3	115.0
75°	0.0	0.0	0.0	23.0	51.8	63.3	74.8	86.3	86.3	74.8	92.0
77.5°	0.0	0.0	0.0	0.0	5.8	28.8	57.5	74.8	92.0	80.5	109.3
80°	0.0	0.0	0.0	0.0	5.8	34.5	57.5	80.5	92.0	80.5	115.0
82.5°	0.0	0.0	0.0	0.0	5.8	40.3	57.5	74.8	86.3	80.5	103.5
85°	0.0	0.0	0.0	0.0	17.3	34.5	23.0	11.5	5.8	5.8	17.3
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: P533123

CATALOG NUMBER: GLAN-SA8C-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5	14824.5
2.5°	12840.6	13248.9	13685.9	13852.7	14370.2	14761.3	15025.8	15595.1	15681.3	15687.1
5°	10316.2	10523.2	11270.8	11621.5	12392.1	12990.1	13628.4	14548.5	15163.8	15209.8
7.5°	7331.8	7906.8	8223.1	9137.4	10086.2	11023.5	11972.3	13041.9	13754.9	13772.2
10°	5899.9	6273.7	6837.2	7521.5	8320.8	9275.4	10540.5	11782.6	12507.1	12685.4
12.5°	4749.8	5405.4	6049.4	6756.7	7366.3	8085.1	9447.9	11104.0	11702.1	12058.6
15°	3657.3	4255.3	5014.3	5842.4	6532.4	7492.8	9045.4	10937.3	11943.6	12064.3
17.5°	2696.9	3231.7	3933.3	4715.3	5750.4	7113.2	9114.4	11782.6	12731.4	12932.6
20°	1937.9	2248.4	2800.4	3709.0	5025.8	6670.5	9183.4	12639.4	14082.7	14427.7
22.5°	1535.4	1661.9	2024.1	2829.2	4215.0	6204.7	9672.2	14278.2	15940.1	16440.4
25°	1334.1	1403.1	1575.6	2231.2	3703.3	6158.7	10454.2	16244.9	18412.8	18775.0
27.5°	1288.1	1299.6	1449.1	2047.1	3427.2	5853.9	10753.2	17642.2	19953.9	20321.9
30°	1357.1	1541.1	1552.6	1730.9	2915.5	5250.1	10908.5	18993.6	21259.2	21529.5
32.5°	1173.1	1115.6	1155.8	1339.8	2564.7	4899.3	11201.8	20172.4	22748.6	22938.3
35°	816.6	856.8	948.8	1161.6	2242.7	4531.3	11276.5	21472.0	24163.2	24358.7
37.5°	753.3	776.3	851.1	989.1	1972.4	4324.3	11173.0	22420.8	25629.5	25899.8
40°	701.5	730.3	770.6	897.1	1771.1	4094.3	11029.3	23277.6	26526.6	27193.6
42.5°	661.3	684.3	718.8	856.8	1598.6	3864.3	10828.0	24485.2	27331.6	27912.4
45°	615.3	649.8	690.0	833.8	1500.9	3709.0	10678.5	24410.4	27797.4	28107.9
47.5°	569.3	626.8	672.8	776.3	1472.1	3634.2	10741.7	24128.7	27417.9	27205.1
50°	523.3	598.0	678.5	644.0	1403.1	3484.7	10816.5	24513.9	26515.1	26474.8
52.5°	483.0	569.3	632.5	529.0	1247.8	3341.0	11541.0	25020.0	27153.4	26618.6
55°	425.5	511.8	506.0	425.5	1012.1	3231.7	12110.3	25031.5	26722.1	26923.3
57.5°	385.3	454.3	396.8	356.5	747.6	2702.7	11184.5	20988.9	22875.1	23231.6
60°	356.5	442.8	299.0	281.8	488.8	1949.4	9764.2	16256.4	18182.7	18855.5
62.5°	327.8	419.8	235.8	230.0	339.3	1385.8	8027.6	13605.4	15669.8	16584.1
65°	287.5	299.0	189.8	178.3	241.5	747.6	4887.8	9367.4	11713.6	12052.8
67.5°	235.8	230.0	155.3	143.8	161.0	362.3	2156.4	4692.3	6791.2	7360.5
70°	189.8	189.8	132.3	115.0	115.0	166.8	563.5	1868.9	3070.7	3398.5
72.5°	138.0	143.8	103.5	92.0	86.3	80.5	92.0	373.8	805.1	1029.3
75°	120.8	126.5	103.5	80.5	63.3	51.8	40.3	34.5	46.0	74.8
77.5°	132.3	132.3	109.3	74.8	57.5	40.3	23.0	11.5	11.5	5.8
80°	166.8	172.5	143.8	97.8	69.0	46.0	28.8	11.5	5.8	5.8
82.5°	178.3	195.5	161.0	120.8	86.3	51.8	28.8	5.8	0.0	0.0
85°	46.0	74.8	126.5	109.3	86.3	51.8	28.8	5.8	0.0	0.0
87.5°	0.0	5.8	17.3	17.3	23.0	23.0	17.3	5.8	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)