

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: P455335

Luminaire Tested: **GLAN-SA6C-730-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27266 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 321
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

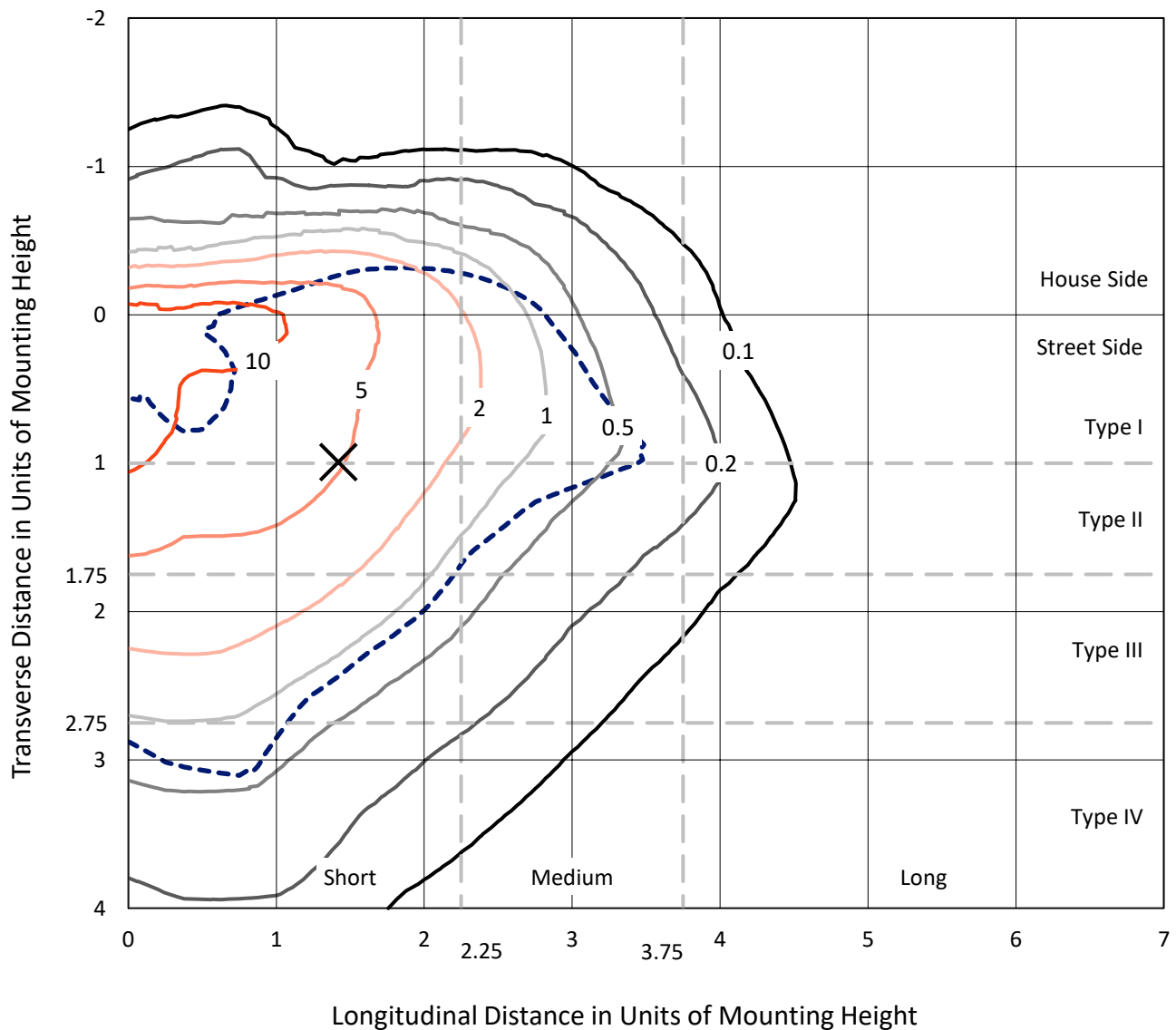


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Iso-Footcandle Lines of Horizontal Illumination

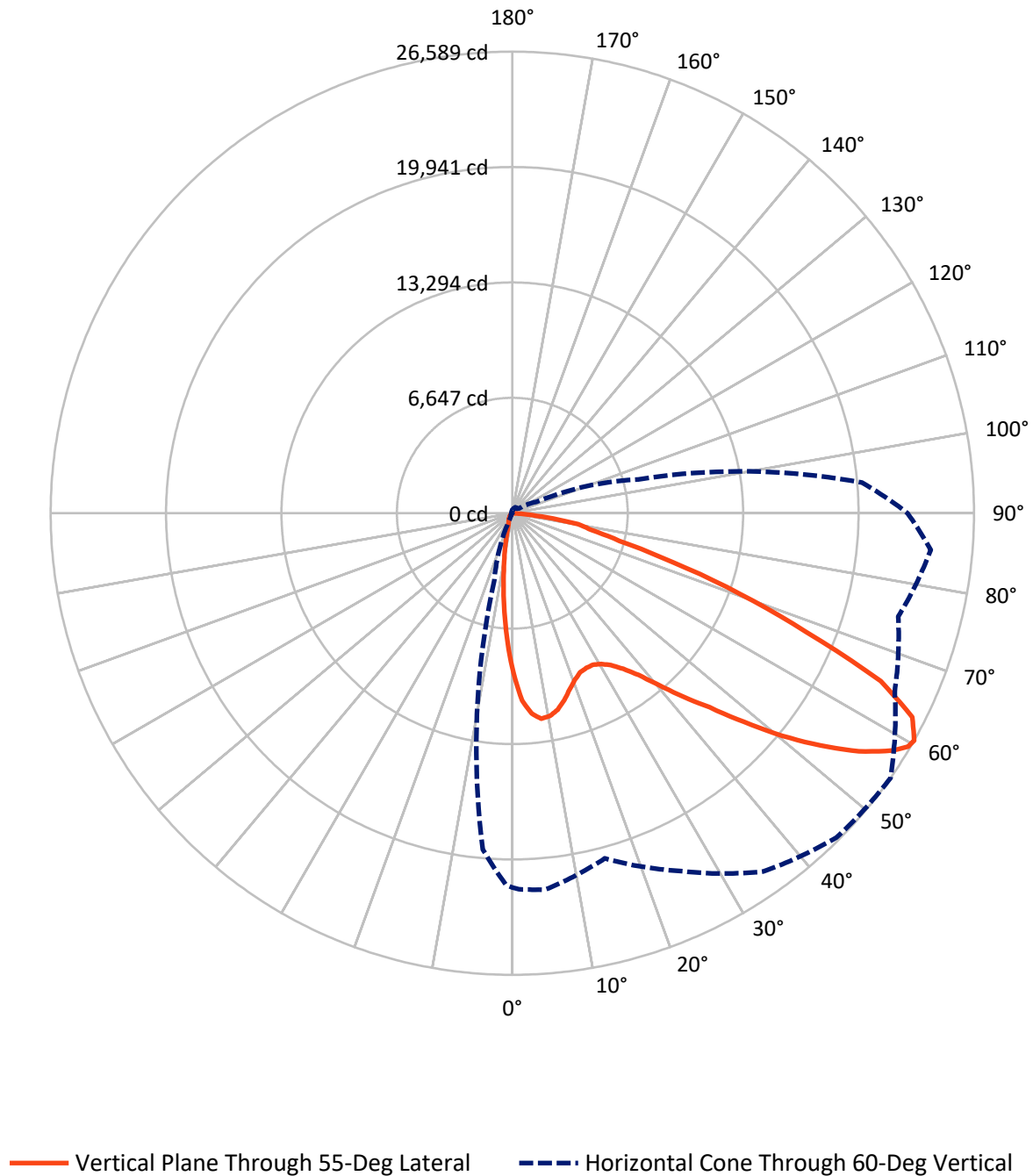
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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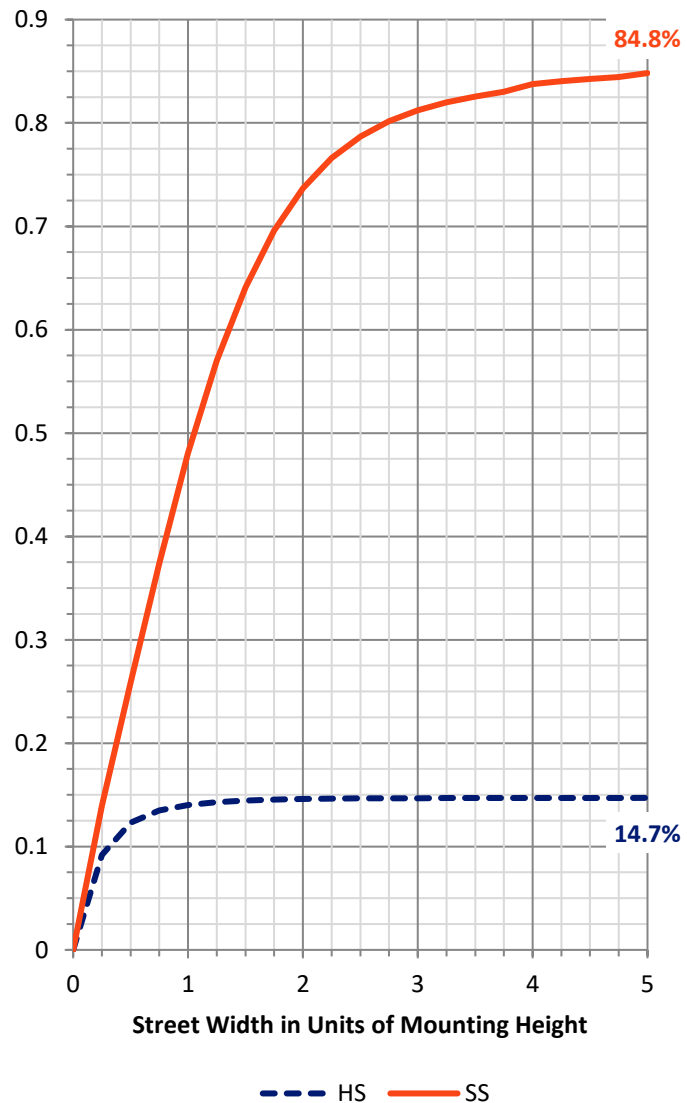
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4046.5	0.0	4046.5
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	23219.5	0.0	23219.5
	% Fixture	85.2	0.0	85.2
Total	Lumens	27266.0	0.0	27266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.7	2.5
10°-20°	1346.3	4.9
20°-30°	1992.7	7.3
30°-40°	2970.4	10.9
40°-50°	4350.2	16.0
50°-60°	6280.3	23.0
60°-70°	6606.5	24.2
70°-80°	2717.7	10.0
80°-90°	318.3	1.2
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°	27266.0	100.0
0°-180°	27266.0	100.0

Coefficient of Utilization



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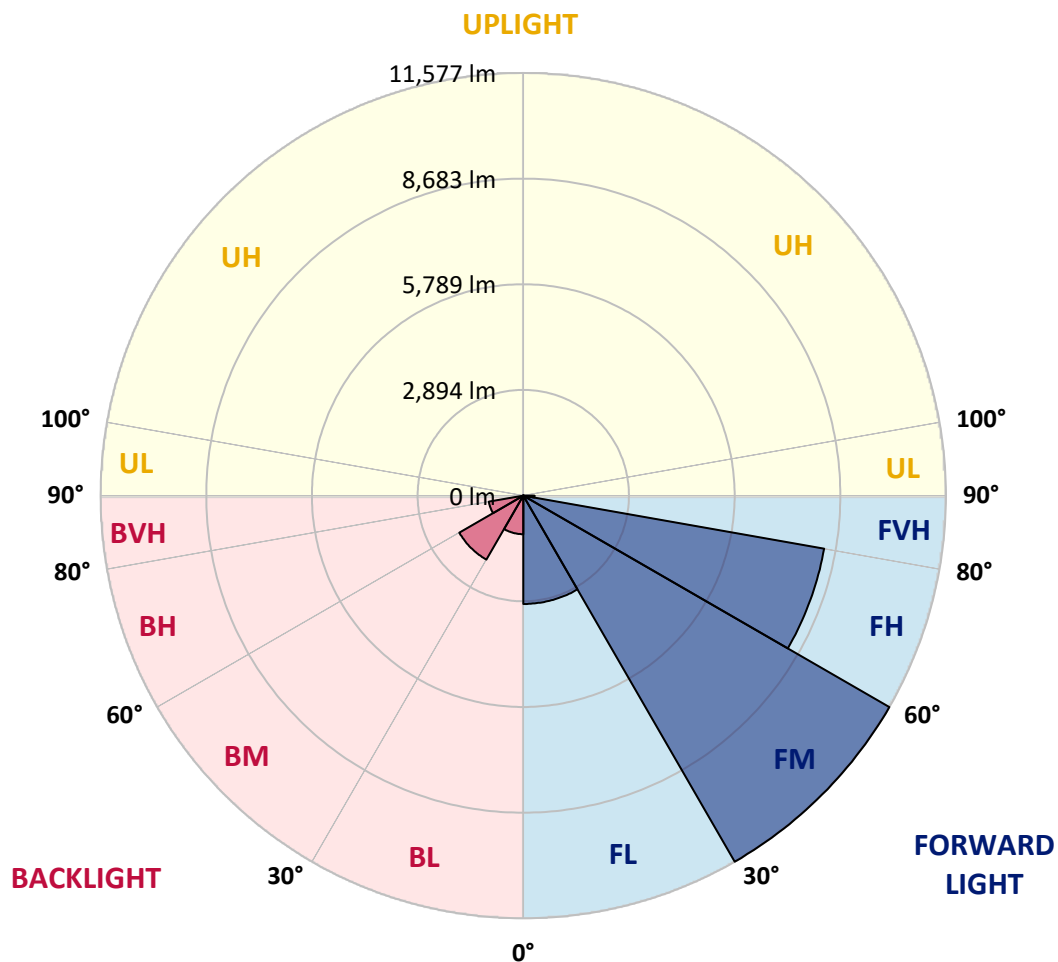
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2966.9	10.9			
FM	(30°-60°)	11577.2	42.5			
FH	(60°-80°)	8366.4	30.7			G4/12000
FVH	(80°-90°)	308.9	1.1			G3/500
BL	(0°-30°)	1055.8	3.9	B3/2500		
BM	(30°-60°)	2023.6	7.4	B2/2500		
BH	(60°-80°)	957.8	3.5	B2/1000		G2/1000
BVH	(80°-90°)	9.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2
2.5°	10086.4	10069.6	10218.6	10462.0	10707.6	10835.6	10810.4	10799.9	10596.3	10447.3	10134.6
5°	10065.4	10151.4	10418.0	11077.0	11576.4	11817.8	11889.1	11589.0	11192.4	10617.3	9908.0
7.5°	9463.0	9570.1	10004.5	11035.0	11922.7	12447.4	12428.5	11947.9	11129.4	10239.6	9228.0
10°	8715.9	8841.8	9351.8	10602.6	11754.8	12447.4	12485.2	11876.6	10858.7	9717.0	8653.0
12.5°	8189.1	8338.1	8902.7	10199.7	11322.5	12004.6	12048.7	11607.9	10655.1	9515.5	8340.2
15°	8010.7	8151.4	8724.3	9996.1	10862.9	11230.2	11219.7	11173.5	10575.4	9563.8	8357.0
17.5°	8317.2	8432.6	9079.0	10088.5	10432.6	10394.9	10449.4	10671.9	10592.2	9968.8	8885.9
20°	9108.4	9225.9	9920.6	10371.8	10103.2	9863.9	9889.1	10260.6	10747.5	10730.7	9712.8
22.5°	10197.6	10397.0	11026.6	10921.6	10059.1	9534.4	9481.9	9964.6	11011.9	11607.9	10829.3
25°	11576.4	11777.9	12269.0	11798.9	10275.2	9456.8	9408.5	9874.4	11333.0	12464.2	12086.4
27.5°	12734.9	12888.1	13377.1	12653.1	10594.3	9490.3	9410.6	9887.0	11593.2	13192.4	13146.3
30°	13662.6	13775.9	14063.4	13051.8	10869.2	9637.2	9544.9	10071.7	11708.7	13547.1	14004.6
32.5°	14409.7	14600.7	14690.9	13477.9	11263.7	9914.3	9756.9	10426.4	11989.9	13985.8	14905.0
35°	15263.9	15484.2	15368.8	13885.0	11784.2	10346.6	10153.5	11001.4	12415.9	14390.8	15950.1
37.5°	16346.8	16600.7	16149.5	14313.2	12334.1	10997.2	10907.0	11809.4	13062.3	14970.0	17070.8
40°	17467.5	17614.4	16907.1	14833.6	13009.9	11943.7	12029.8	13009.9	13908.1	15664.7	18262.9
42.5°	18342.7	18481.2	17685.8	15270.2	13700.3	13066.5	13425.4	14458.0	14877.7	16376.2	19152.8
45°	19012.1	19129.7	18225.1	15746.6	14632.2	14693.0	15370.9	15950.1	15849.4	16810.6	19839.0
47.5°	19532.6	19633.4	18640.7	16258.6	16027.8	16682.6	17719.3	17964.9	16856.8	17280.7	20460.3
50°	19746.7	19776.1	18770.8	16911.3	17612.3	19217.8	20298.7	20149.6	18011.1	17803.3	21121.3
52.5°	20025.8	20019.5	19142.3	17532.6	19102.4	21484.4	22563.2	22225.3	19316.5	18586.1	21864.3
55°	20758.3	20766.7	19937.7	18414.0	20372.1	23314.5	24468.8	24223.2	20693.2	19908.3	22731.0
57.5°	21648.1	21679.6	21068.9	19444.5	21585.2	24640.9	25891.7	25797.3	22554.8	21379.5	23549.5
59°	21763.5	21826.5	21604.0	20170.6	22305.0	25048.0	26378.6	26470.9	23551.6	22349.1	23992.4
60°	21553.7	21658.6	21759.3	20582.0	22726.8	25194.9	26408.0	26588.5	24300.9	23008.1	24193.8
62.5°	20638.6	20804.4	21310.2	21847.5	23253.6	24737.4	25469.9	25847.6	25228.5	24739.5	24212.7
65°	19440.3	19526.3	20256.7	22072.1	22231.6	22600.9	22827.6	23312.4	24114.1	25406.9	23346.0
67.5°	17475.9	17729.8	18623.9	20768.8	19215.7	18779.2	18722.5	18239.8	20321.7	23816.1	21209.5
70°	14437.0	14550.3	15652.1	17026.8	14502.0	13830.4	14099.1	13918.6	15752.9	20502.2	17070.8
72.5°	10917.5	11173.5	12250.1	13572.3	9868.1	8997.1	9738.0	9670.8	11832.5	16476.9	11727.5
75°	7767.3	7933.1	9305.6	10621.5	6911.0	5855.4	6121.9	6371.7	8260.5	13009.9	6929.9
77.5°	5337.0	5479.7	6510.2	7024.4	5041.1	4829.1	4417.8	4659.1	5412.6	7719.0	3771.4
80°	3219.4	3213.1	3891.0	4016.9	3511.1	4077.8	3420.9	3840.6	3271.9	3303.4	1460.7
82.5°	2090.3	2069.3	2379.9	2594.0	1953.9	2054.6	1378.8	1987.5	2132.3	921.3	461.7
85°	936.0	975.9	1143.8	1509.0	856.3	455.4	281.2	610.7	908.7	463.8	0.0
87.5°	96.5	75.6	201.5	367.3	117.5	12.6	42.0	21.0	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°	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2
2.5°	9989.8	9868.1	9505.0	9165.0	8873.3	8516.5	8285.7	7922.6	7702.2	7635.1	7645.6
5°	9589.0	9238.5	8548.0	7996.1	7381.1	7030.7	6497.6	5985.5	5708.5	5605.6	5559.5
7.5°	8749.5	8373.8	7540.6	6673.9	6014.9	5400.0	5003.3	4552.1	4243.6	3989.6	3945.6
10°	8126.2	7633.0	6600.4	5668.6	5148.1	4686.4	4289.7	3838.5	3475.5	3185.8	3106.1
12.5°	7752.6	7200.6	6048.5	5267.7	4774.5	4300.2	3784.0	3261.4	2889.9	2577.2	2432.4
15°	7685.4	7045.3	5893.2	4980.2	4371.6	3798.7	3112.4	2547.8	2165.9	1869.9	1779.7
17.5°	8090.5	7324.5	5870.1	4680.1	3844.8	3032.6	2319.1	1851.1	1420.8	1255.0	1190.0
20°	8812.5	7817.7	5868.0	4331.7	3303.4	2335.9	1628.6	1206.8	1032.6	952.8	915.0
22.5°	9796.7	8489.3	5979.2	4031.6	2740.9	1723.0	1162.7	961.2	860.5	795.4	780.7
25°	10999.3	9484.0	6252.0	3828.0	2310.7	1351.6	959.1	822.7	738.7	709.4	696.8
27.5°	12067.5	10436.8	6552.1	3618.2	2002.2	1196.3	889.8	753.4	686.3	663.2	644.3
30°	12988.9	11301.5	6697.0	3341.1	1754.5	1095.5	902.4	805.9	717.8	648.5	617.0
32.5°	13757.0	11964.7	6791.4	3089.3	1544.6	896.1	713.6	623.3	583.4	558.3	537.3
35°	14718.2	12682.5	6734.7	2946.6	1437.6	816.4	650.6	537.3	470.1	419.7	398.8
37.5°	15725.6	13400.2	6636.1	2829.1	1389.3	757.6	619.1	510.0	436.5	384.1	356.8
40°	16768.6	14065.5	6520.7	2719.9	1345.3	719.9	600.2	486.9	413.4	356.8	327.4
42.5°	17723.5	14714.0	6474.5	2648.6	1273.9	726.2	585.5	476.4	390.4	331.6	306.4
45°	18495.9	15328.9	6537.5	2610.8	1196.3	715.7	589.7	463.8	371.5	314.8	289.6
47.5°	19320.7	16197.8	6741.0	2573.0	1120.7	665.3	621.2	461.7	363.1	304.3	277.0
50°	20279.8	17310.1	7206.9	2480.7	1028.4	610.7	661.1	459.6	352.6	291.7	264.4
52.5°	21557.9	18573.5	7687.5	2319.1	894.0	558.3	631.7	453.3	331.6	277.0	249.7
55°	22705.9	19904.1	8094.7	2128.1	724.1	482.7	568.7	426.0	295.9	251.8	226.7
57.5°	23180.2	20655.4	8082.1	1863.6	579.2	423.9	468.0	390.4	258.1	222.5	201.5
59°	23006.0	20561.0	7811.4	1668.5	528.9	392.5	388.3	386.2	241.4	201.5	184.7
60°	22760.4	20216.8	7519.7	1571.9	497.4	371.5	356.8	382.0	226.7	188.9	172.1
62.5°	21820.2	18789.7	6552.1	1408.2	455.4	314.8	285.4	323.2	201.5	163.7	149.0
65°	20458.2	16596.5	5546.9	1362.1	442.8	260.2	237.2	230.9	172.1	138.5	125.9
67.5°	17801.2	14044.5	4493.3	1330.6	447.0	218.3	207.8	174.2	142.7	115.4	107.0
70°	14252.3	10951.0	3679.0	1294.9	451.2	178.4	174.2	138.5	115.4	96.5	88.1
72.5°	8659.2	6491.3	2896.2	1124.9	438.6	142.7	155.3	104.9	83.9	69.3	65.1
75°	5353.8	4443.0	1796.5	875.2	289.6	104.9	109.1	65.1	56.7	44.1	44.1
77.5°	3101.9	2806.0	642.2	314.8	128.0	63.0	48.3	33.6	31.5	18.9	18.9
80°	1286.5	1030.5	222.5	107.0	69.3	29.4	10.5	2.1	0.0	0.0	0.0
82.5°	375.7	333.7	60.9	48.3	21.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2
2.5°	7467.2	7397.9	7366.4	7473.5	7374.8	7500.8	7404.2	7446.2	7570.0	7624.6	7765.2
5°	5588.8	5517.5	5483.9	5645.5	5637.1	5716.9	5708.5	5781.9	5844.9	5704.3	5849.1
7.5°	3893.1	3844.8	3924.6	4050.5	4184.8	4140.7	4140.7	4042.1	4075.7	4054.7	4048.4
10°	2961.3	2795.5	2753.5	2749.3	2799.7	2810.2	2753.5	2617.1	2667.5	2682.1	2770.3
12.5°	2329.6	2201.5	2006.4	1918.2	1895.1	1914.0	1727.2	1607.6	1664.3	1630.7	1716.7
15°	1670.6	1565.6	1450.2	1351.6	1324.3	1286.5	1082.9	940.2	923.4	929.7	944.4
17.5°	1192.1	1120.7	1120.7	1015.8	959.1	845.8	742.9	680.0	673.7	680.0	690.5
20°	879.4	841.6	837.4	810.1	747.1	671.6	600.2	587.6	583.4	593.9	598.1
22.5°	757.6	717.8	684.2	682.1	623.3	560.4	526.8	510.0	512.1	516.3	526.8
25°	677.9	635.9	600.2	579.2	537.3	493.2	461.7	453.3	453.3	459.6	461.7
27.5°	621.2	568.7	537.3	507.9	470.1	432.3	405.0	398.8	394.6	398.8	409.2
30°	581.3	528.9	489.0	444.9	415.5	379.9	356.8	348.4	346.3	348.4	356.8
32.5°	497.4	465.9	434.4	394.6	358.9	335.8	310.6	295.9	295.9	300.1	308.5
35°	375.7	358.9	356.8	346.3	316.9	291.7	262.3	247.6	247.6	256.0	260.2
37.5°	331.6	300.1	295.9	291.7	279.1	245.5	218.3	205.7	203.6	209.9	218.3
40°	302.2	266.5	247.6	243.4	245.5	207.8	178.4	165.8	165.8	167.9	176.3
42.5°	279.1	237.2	203.6	199.4	207.8	174.2	144.8	132.2	132.2	132.2	142.7
45°	260.2	212.0	172.1	151.1	163.7	142.7	117.5	104.9	100.7	104.9	109.1
47.5°	247.6	193.1	151.1	121.7	121.7	113.3	94.4	79.8	75.6	77.7	83.9
50°	237.2	176.3	128.0	98.6	88.1	90.2	71.4	60.9	56.7	56.7	63.0
52.5°	220.4	159.5	111.2	83.9	67.2	60.9	52.5	44.1	42.0	44.1	48.3
55°	199.4	144.8	96.5	69.3	52.5	42.0	37.8	31.5	29.4	31.5	37.8
57.5°	176.3	121.7	77.7	54.6	35.7	27.3	25.2	21.0	16.8	18.9	23.1
59°	161.6	109.1	67.2	44.1	27.3	18.9	18.9	14.7	10.5	12.6	18.9
60°	155.3	100.7	56.7	37.8	23.1	14.7	14.7	10.5	6.3	8.4	14.7
62.5°	132.2	83.9	44.1	23.1	10.5	2.1	6.3	2.1	0.0	2.1	6.3
65°	111.2	67.2	29.4	10.5	0.0	0.0	0.0	0.0	0.0	0.0	2.1
67.5°	92.3	50.4	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	73.5	33.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	50.4	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	31.5	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P455335

CATALOG NUMBER: GLAN-SA6C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2	9232.2
2.5°	7773.6	8073.7	8258.4	8606.8	8963.6	9238.5	9582.7	9891.2	10019.2	10086.4
5°	5996.0	6413.6	6768.3	7299.3	7792.5	8392.7	9001.3	9719.1	9994.0	10065.4
7.5°	4207.9	4633.9	5005.4	5620.3	6323.4	7127.2	8038.0	8948.9	9349.7	9463.0
10°	3038.9	3494.3	3947.7	4562.6	5219.5	6090.4	7039.0	8166.1	8627.8	8715.9
12.5°	1918.2	2407.2	3143.9	3903.6	4598.3	5299.2	6291.9	7517.6	8027.5	8189.1
15°	1112.3	1477.5	2033.6	3024.2	3907.8	4835.4	5918.3	7274.1	7844.9	8010.7
17.5°	745.0	871.0	1252.9	2010.6	3177.4	4407.3	5823.9	7473.5	8105.2	8317.2
20°	627.5	684.2	818.5	1225.6	2447.1	4025.3	5849.1	8014.9	8843.9	9108.4
22.5°	552.0	604.4	690.5	881.5	1708.3	3551.0	5968.7	8789.4	9859.7	10197.6
25°	486.9	539.4	614.9	730.3	1148.0	3003.2	6231.0	9922.7	11205.0	11576.4
27.5°	432.3	480.6	545.7	644.3	883.6	2392.5	6464.0	11026.6	12432.7	12734.9
30°	382.0	421.8	484.8	560.4	734.5	1844.8	6581.5	11992.0	13326.8	13662.6
32.5°	331.6	369.4	430.2	491.1	604.4	1406.1	6499.7	12701.3	14195.6	14409.7
35°	283.3	323.2	373.6	430.2	522.6	1135.4	6090.4	13498.9	15096.0	15263.9
37.5°	243.4	277.0	329.5	373.6	472.2	908.7	5595.1	14216.6	16105.4	16346.8
40°	205.7	239.3	291.7	331.6	434.4	715.7	5148.1	15014.1	17169.5	17467.5
42.5°	167.9	207.8	253.9	319.0	373.6	545.7	4606.7	15660.5	17969.1	18342.7
45°	134.3	178.4	228.8	316.9	325.3	415.5	4084.1	16164.2	18676.4	19012.1
47.5°	107.0	151.1	220.4	295.9	266.5	329.5	3786.1	16691.0	19264.0	19532.6
50°	86.0	125.9	230.9	260.2	222.5	279.1	3777.7	17278.6	19568.3	19746.7
52.5°	69.3	102.8	195.2	199.4	188.9	245.5	4004.3	17939.7	19878.9	20025.8
55°	58.8	86.0	128.0	146.9	170.0	222.5	4174.3	18957.6	20619.8	20758.3
57.5°	46.2	73.5	98.6	117.5	151.1	203.6	4197.4	19742.5	21557.9	21648.1
59°	39.9	63.0	88.1	104.9	138.5	191.0	4103.0	19790.8	21618.7	21763.5
60°	33.6	56.7	77.7	98.6	128.0	180.5	4000.1	19440.3	21392.1	21553.7
62.5°	25.2	44.1	56.7	79.8	104.9	155.3	3513.2	18216.7	20525.3	20638.6
65°	16.8	31.5	42.0	58.8	81.8	134.3	2862.6	16630.1	19186.3	19440.3
67.5°	10.5	23.1	33.6	44.1	67.2	113.3	2039.9	14260.7	17312.2	17475.9
70°	6.3	14.7	25.2	35.7	52.5	90.2	1211.0	11272.1	14403.4	14437.0
72.5°	4.2	10.5	16.8	25.2	42.0	81.8	587.6	7347.6	10516.6	10917.5
75°	2.1	6.3	10.5	18.9	33.6	67.2	281.2	4908.9	7651.9	7767.3
77.5°	0.0	2.1	6.3	12.6	25.2	52.5	163.7	3223.6	5217.4	5337.0
80°	0.0	0.0	4.2	10.5	18.9	33.6	98.6	1901.4	3160.6	3219.4
82.5°	0.0	0.0	2.1	8.4	12.6	25.2	50.4	835.3	2069.3	2090.3
85°	0.0	0.0	2.1	8.4	10.5	16.8	18.9	113.3	919.2	936.0
87.5°	0.0	0.0	2.1	10.5	10.5	10.5	10.5	6.3	77.7	96.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)