

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: P456727

Luminaire Tested: **GLAN-SA8A-730-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456727
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-SA8A-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA 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: 24152 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 244
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

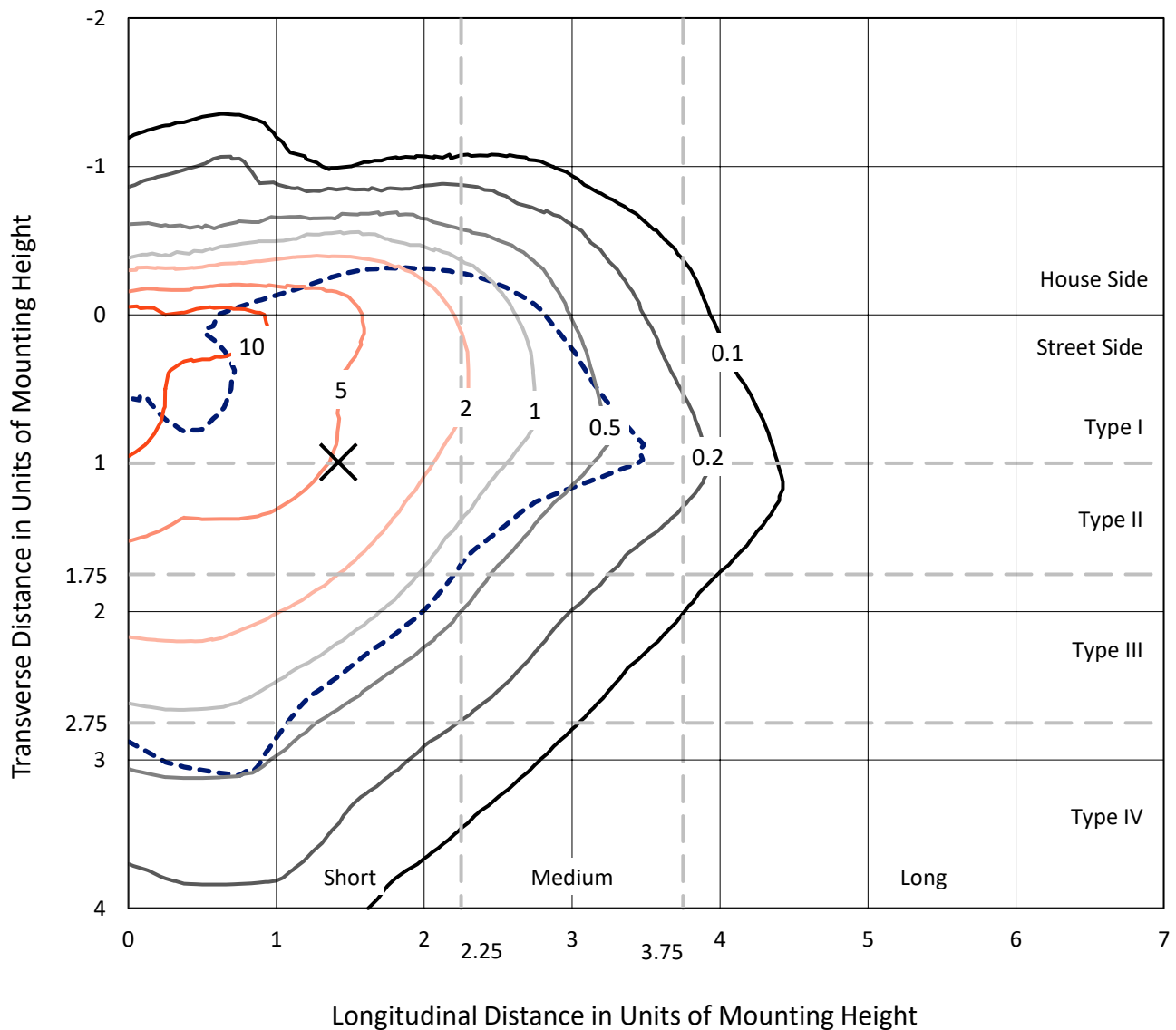


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

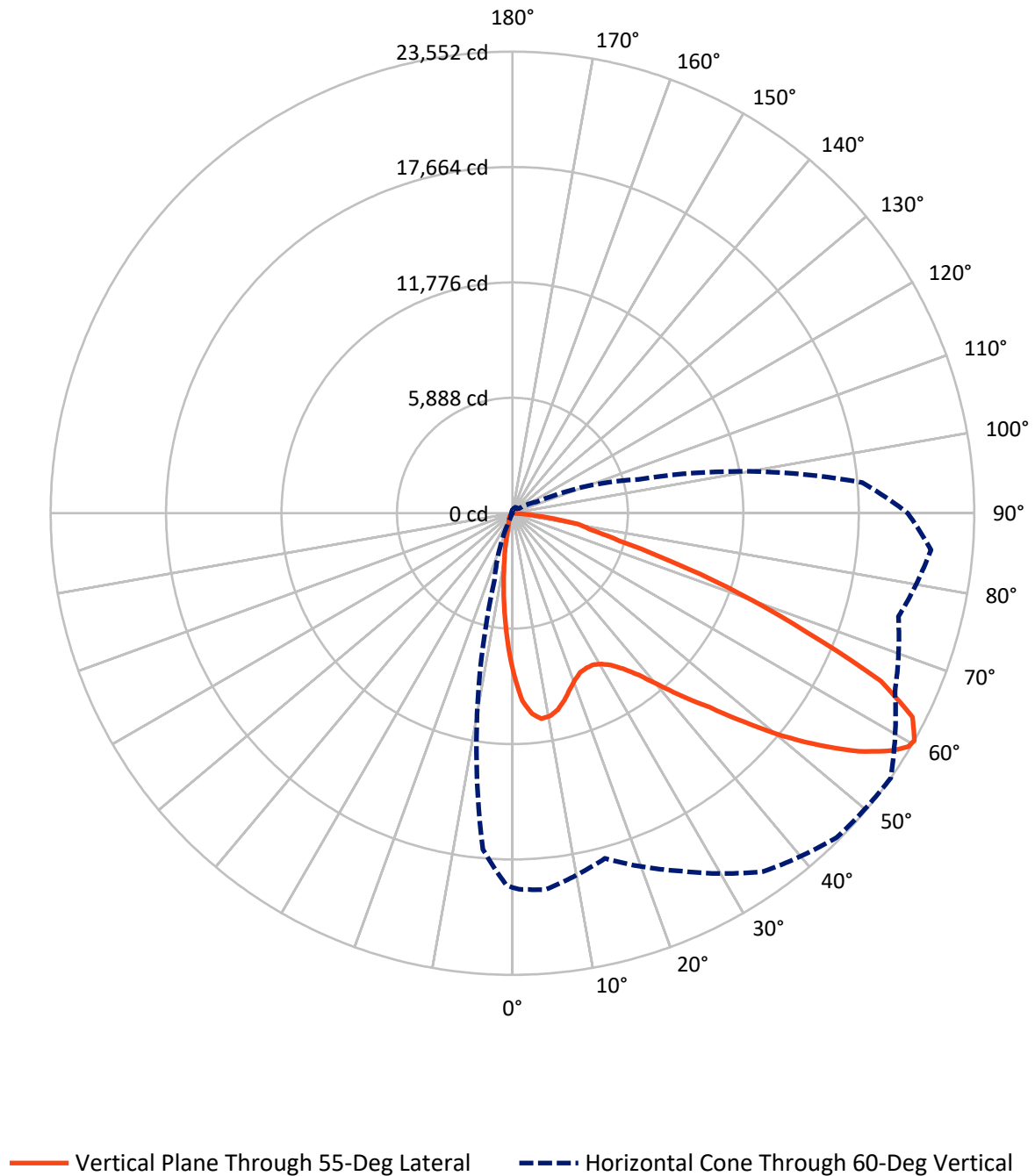


Based on 25 foot mounting height. Maximum calculated value = 16.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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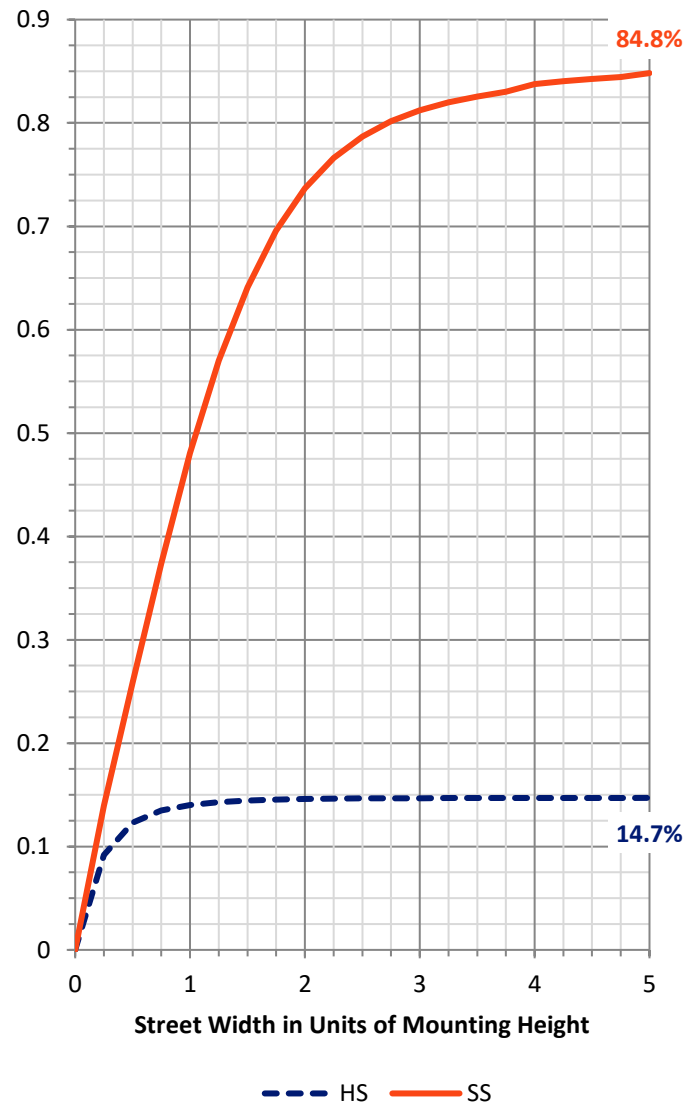
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3584.4	0.0	3584.4
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	20567.6	0.0	20567.6
	% Fixture	85.2	0.0	85.2
Total	Lumens	24152.0	0.0	24152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.6	2.5
10°-20°	1192.5	4.9
20°-30°	1765.2	7.3
30°-40°	2631.1	10.9
40°-50°	3853.3	16.0
50°-60°	5563.0	23.0
60°-70°	5852.0	24.2
70°-80°	2407.3	10.0
80°-90°	281.9	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°	24152.0	100.0
0°-180°	24152.0	100.0

Coefficient of Utilization



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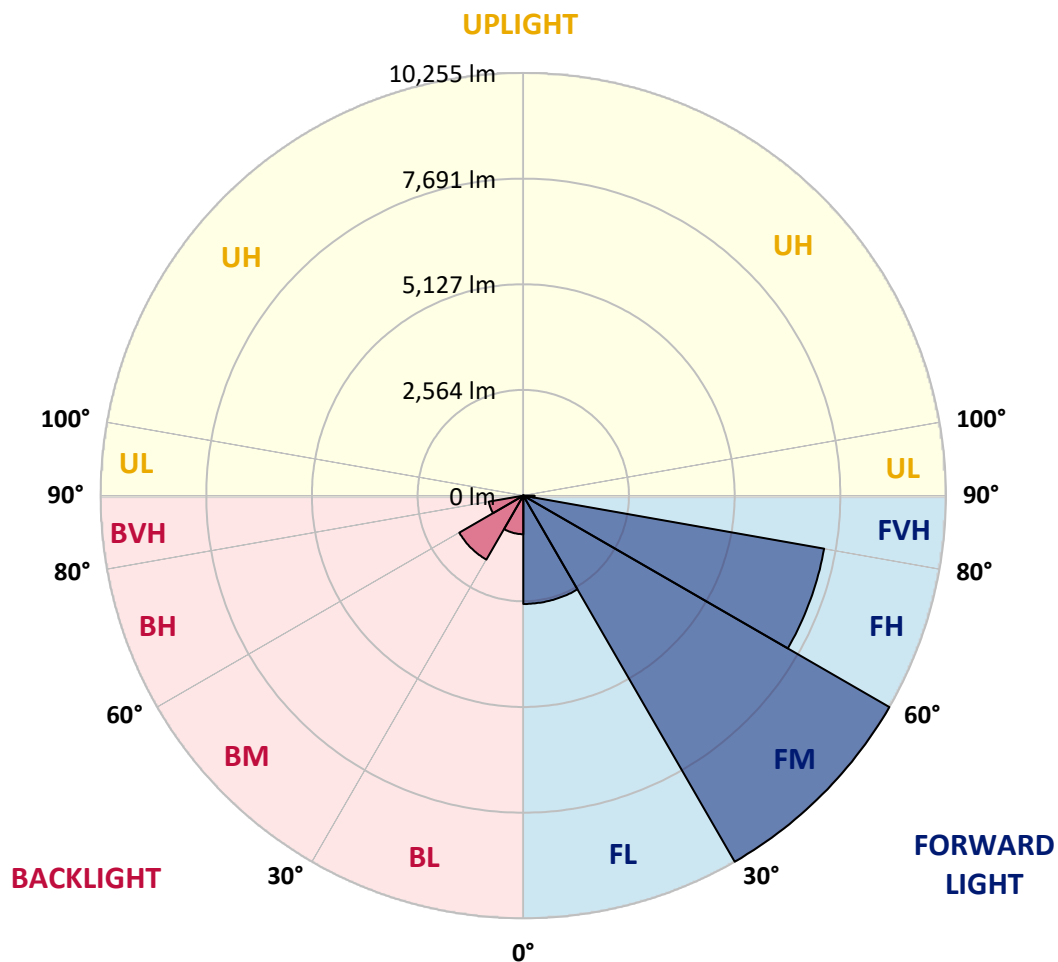
CATALOG NUMBER: GLAN-SA8A-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2628.1	10.9			
FM	(30°-60°)	10255.0	42.5			
FH	(60°-80°)	7410.9	30.7			G3/7500
FVH	(80°-90°)	273.7	1.1			G3/500
BL	(0°-30°)	935.2	3.9	B2/1000		
BM	(30°-60°)	1792.5	7.4	B2/2500		
BH	(60°-80°)	848.4	3.5	B2/1000		G2/1000
BVH	(80°-90°)	8.3	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8
2.5°	8934.4	8919.5	9051.5	9267.2	9484.7	9598.1	9575.8	9566.5	9386.2	9254.2	8977.2
5°	8915.8	8992.0	9228.1	9811.9	10254.3	10468.1	10531.3	10265.5	9914.1	9404.7	8776.4
7.5°	8382.3	8477.1	8861.9	9774.7	10561.1	11025.8	11009.1	10583.4	9858.3	9070.1	8174.1
10°	7720.5	7832.0	8283.8	9391.7	10412.3	11025.8	11059.3	10520.2	9618.5	8607.2	7664.7
12.5°	7253.9	7385.9	7885.9	9034.8	10029.4	10633.6	10672.6	10282.2	9438.2	8428.8	7387.7
15°	7095.9	7220.4	7727.9	8854.5	9622.3	9947.6	9938.3	9897.4	9367.6	8471.5	7402.6
17.5°	7367.3	7469.5	8042.1	8936.3	9241.2	9207.7	9256.0	9453.1	9382.4	8830.3	7871.1
20°	8068.1	8172.2	8787.6	9187.2	8949.3	8737.4	8759.7	9088.7	9520.0	9505.1	8603.5
22.5°	9032.9	9209.6	9767.3	9674.3	8910.3	8445.5	8399.0	8826.6	9754.2	10282.2	9592.5
25°	10254.3	10432.8	10867.8	10451.4	9101.7	8376.7	8334.0	8746.7	10038.7	11040.7	10706.1
27.5°	11280.5	11416.2	11849.4	11208.0	9384.3	8406.5	8335.8	8757.8	10269.2	11685.8	11644.9
30°	12102.2	12202.6	12457.2	11561.2	9627.8	8536.6	8454.8	8921.4	10371.4	11999.9	12405.2
32.5°	12764.0	12933.2	13013.1	11938.6	9977.3	8782.0	8642.6	9235.6	10620.5	12388.5	13202.7
35°	13520.6	13715.8	13613.6	12299.2	10438.4	9164.9	8993.9	9744.9	10997.9	12747.3	14128.5
37.5°	14479.9	14704.8	14305.1	12678.5	10925.4	9741.2	9661.3	10460.7	11570.5	13260.3	15121.2
40°	15472.6	15602.7	14976.2	13139.5	11524.0	10579.6	10655.9	11524.0	12319.7	13875.7	16177.1
42.5°	16247.8	16370.5	15665.9	13526.2	12135.6	11574.2	11892.1	12806.7	13178.5	14505.9	16965.4
45°	16840.8	16944.9	16143.7	13948.2	12961.0	13015.0	13615.4	14128.5	14039.3	14890.7	17573.3
47.5°	17301.8	17391.1	16511.8	14401.8	14197.3	14777.3	15695.7	15913.2	14931.6	15307.1	18123.5
50°	17491.5	17517.5	16627.0	14979.9	15600.8	17023.0	17980.4	17848.4	15954.1	15770.0	18709.1
52.5°	17738.7	17733.1	16956.1	15530.2	16920.7	19030.7	19986.3	19687.0	17110.4	16463.4	19367.2
55°	18387.5	18394.9	17660.6	16311.0	18045.4	20651.8	21674.2	21456.7	18329.9	17634.6	20135.0
57.5°	19175.7	19203.6	18662.6	17223.8	19120.0	21826.7	22934.6	22851.0	19978.8	18937.8	20860.0
59°	19278.0	19333.7	19136.7	17867.0	19757.6	22187.3	23365.9	23447.7	20861.8	19796.6	21252.2
60°	19092.1	19185.0	19274.3	18231.3	20131.3	22317.5	23392.0	23551.8	21525.5	20380.4	21430.7
62.5°	18281.5	18428.4	18876.4	19352.3	20597.9	21912.2	22561.0	22895.6	22347.2	21914.1	21447.4
65°	17220.0	17296.3	17943.2	19551.2	19692.5	20019.7	20220.5	20649.9	21360.1	22505.2	20679.7
67.5°	15480.0	15704.9	16496.9	18396.8	17021.1	16634.5	16584.3	16156.7	18000.8	21096.1	18787.2
70°	12788.2	12888.5	13864.5	15082.2	12845.8	12250.9	12488.9	12329.0	13953.8	18160.7	15121.2
72.5°	9670.6	9897.4	10851.1	12022.2	8741.1	7969.6	8625.8	8566.3	10481.1	14595.1	10388.2
75°	6880.2	7027.1	8242.9	9408.5	6121.7	5186.6	5422.7	5644.0	7317.1	11524.0	6138.5
77.5°	4727.5	4853.9	5766.7	6222.1	4465.4	4277.6	3913.2	4127.0	4794.4	6837.5	3340.6
80°	2851.7	2846.1	3446.6	3558.2	3110.1	3612.1	3030.2	3402.0	2898.2	2926.1	1293.9
82.5°	1851.6	1833.0	2108.1	2297.7	1730.7	1820.0	1221.4	1760.5	1888.8	816.1	409.0
85°	829.1	864.4	1013.2	1336.6	758.5	403.4	249.1	541.0	805.0	410.8	0.0
87.5°	85.5	66.9	178.5	325.3	104.1	11.2	37.2	18.6	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°	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8
2.5°	8848.9	8741.1	8419.5	8118.3	7859.9	7543.9	7339.4	7017.8	6822.6	6763.1	6772.4
5°	8493.8	8183.4	7571.8	7082.8	6538.2	6227.7	5755.5	5301.9	5056.5	4965.4	4924.5
7.5°	7750.2	7417.5	6679.4	5911.7	5327.9	4783.2	4431.9	4032.2	3758.9	3534.0	3494.9
10°	7198.1	6761.2	5846.6	5021.2	4560.2	4151.2	3799.8	3400.1	3078.5	2822.0	2751.3
12.5°	6867.2	6378.3	5357.7	4666.1	4229.3	3809.1	3351.8	2888.9	2559.9	2282.9	2154.6
15°	6807.7	6240.7	5220.1	4411.4	3872.3	3364.8	2756.9	2256.8	1918.5	1656.4	1576.4
17.5°	7166.5	6488.0	5199.7	4145.6	3405.7	2686.3	2054.2	1639.6	1258.6	1111.7	1054.1
20°	7806.0	6924.8	5197.8	3837.0	2926.1	2069.1	1442.6	1068.9	914.6	844.0	810.5
22.5°	8677.9	7519.7	5296.3	3571.2	2427.9	1526.3	1029.9	851.4	762.2	704.6	691.6
25°	9743.1	8400.9	5538.0	3390.8	2046.8	1197.2	849.6	728.7	654.4	628.3	617.2
27.5°	10689.3	9244.9	5803.8	3204.9	1773.5	1059.6	788.2	667.4	607.9	587.4	570.7
30°	11505.4	10010.8	5932.1	2959.5	1554.1	970.4	799.4	713.9	635.8	574.4	546.5
32.5°	12185.8	10598.2	6015.8	2736.5	1368.2	793.8	632.1	552.1	516.8	494.5	475.9
35°	13037.3	11234.0	5965.6	2610.1	1273.4	723.2	576.3	475.9	416.4	371.8	353.2
37.5°	13929.6	11869.8	5878.2	2506.0	1230.7	671.1	548.4	451.7	386.7	340.2	316.0
40°	14853.5	12459.1	5776.0	2409.3	1191.6	637.6	531.7	431.3	366.2	316.0	290.0
42.5°	15699.4	13033.5	5735.1	2346.1	1128.4	643.2	518.7	422.0	345.8	293.7	271.4
45°	16383.5	13578.2	5790.8	2312.6	1059.6	633.9	522.4	410.8	329.0	278.9	256.5
47.5°	17114.1	14347.9	5971.2	2279.2	992.7	589.3	550.3	409.0	321.6	269.6	245.4
50°	17963.6	15333.1	6383.9	2197.4	910.9	541.0	585.6	407.1	312.3	258.4	234.2
52.5°	19095.8	16452.3	6809.6	2054.2	791.9	494.5	559.6	401.5	293.7	245.4	221.2
55°	20112.7	17630.9	7170.2	1885.0	641.4	427.6	503.8	377.4	262.1	223.1	200.8
57.5°	20532.8	18296.4	7159.1	1650.8	513.1	375.5	414.6	345.8	228.7	197.1	178.5
59°	20378.5	18212.8	6919.2	1477.9	468.5	347.6	343.9	342.1	213.8	178.5	163.6
60°	20161.0	17907.9	6660.8	1392.4	440.6	329.0	316.0	338.3	200.8	167.3	152.4
62.5°	19328.2	16643.7	5803.8	1247.4	403.4	278.9	252.8	286.3	178.5	145.0	132.0
65°	18121.7	14701.1	4913.4	1206.5	392.3	230.5	210.1	204.5	152.4	122.7	111.5
67.5°	15768.2	12440.5	3980.1	1178.6	396.0	193.3	184.0	154.3	126.4	102.2	94.8
70°	12624.6	9700.3	3258.9	1147.0	399.7	158.0	154.3	122.7	102.2	85.5	78.1
72.5°	7670.3	5749.9	2565.4	996.4	388.5	126.4	137.6	93.0	74.4	61.3	57.6
75°	4742.3	3935.5	1591.3	775.2	256.5	93.0	96.7	57.6	50.2	39.0	39.0
77.5°	2747.6	2485.5	568.9	278.9	113.4	55.8	42.8	29.7	27.9	16.7	16.7
80°	1139.6	912.8	197.1	94.8	61.3	26.0	9.3	1.9	0.0	0.0	0.0
82.5°	332.8	295.6	53.9	42.8	18.6	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°	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8
2.5°	6614.4	6553.0	6525.1	6619.9	6532.6	6644.1	6558.6	6595.8	6705.5	6753.8	6878.3
5°	4950.6	4887.3	4857.6	5000.7	4993.3	5064.0	5056.5	5121.6	5177.4	5052.8	5181.1
7.5°	3448.5	3405.7	3476.4	3587.9	3706.9	3667.8	3667.8	3580.5	3610.2	3591.6	3586.0
10°	2623.1	2476.2	2439.0	2435.3	2479.9	2489.2	2439.0	2318.2	2362.8	2375.8	2453.9
12.5°	2063.5	1950.1	1777.2	1699.1	1678.7	1695.4	1530.0	1424.0	1474.2	1444.5	1520.7
15°	1479.8	1386.8	1284.6	1197.2	1173.0	1139.6	959.3	832.8	818.0	823.5	836.6
17.5°	1055.9	992.7	992.7	899.8	849.6	749.2	658.1	602.3	596.7	602.3	611.6
20°	778.9	745.5	741.7	717.6	661.8	594.9	531.7	520.5	516.8	526.1	529.8
22.5°	671.1	635.8	606.0	604.2	552.1	496.4	466.6	451.7	453.6	457.3	466.6
25°	600.5	563.3	531.7	513.1	475.9	436.9	409.0	401.5	401.5	407.1	409.0
27.5°	550.3	503.8	475.9	449.9	416.4	383.0	358.8	353.2	349.5	353.2	362.5
30°	514.9	468.5	433.2	394.1	368.1	336.5	316.0	308.6	306.7	308.6	316.0
32.5°	440.6	412.7	384.8	349.5	317.9	297.4	275.1	262.1	262.1	265.8	273.3
35°	332.8	317.9	316.0	306.7	280.7	258.4	232.4	219.4	219.4	226.8	230.5
37.5°	293.7	265.8	262.1	258.4	247.2	217.5	193.3	182.2	180.3	185.9	193.3
40°	267.7	236.1	219.4	215.6	217.5	184.0	158.0	146.9	146.9	148.7	156.2
42.5°	247.2	210.1	180.3	176.6	184.0	154.3	128.3	117.1	117.1	117.1	126.4
45°	230.5	187.8	152.4	133.8	145.0	126.4	104.1	93.0	89.2	93.0	96.7
47.5°	219.4	171.0	133.8	107.8	107.8	100.4	83.7	70.6	66.9	68.8	74.4
50°	210.1	156.2	113.4	87.4	78.1	79.9	63.2	53.9	50.2	50.2	55.8
52.5°	195.2	141.3	98.5	74.4	59.5	53.9	46.5	39.0	37.2	39.0	42.8
55°	176.6	128.3	85.5	61.3	46.5	37.2	33.5	27.9	26.0	27.9	33.5
57.5°	156.2	107.8	68.8	48.3	31.6	24.2	22.3	18.6	14.9	16.7	20.4
59°	143.1	96.7	59.5	39.0	24.2	16.7	16.7	13.0	9.3	11.2	16.7
60°	137.6	89.2	50.2	33.5	20.4	13.0	13.0	9.3	5.6	7.4	13.0
62.5°	117.1	74.4	39.0	20.4	9.3	1.9	5.6	1.9	0.0	1.9	5.6
65°	98.5	59.5	26.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0	1.9
67.5°	81.8	44.6	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	65.1	29.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	44.6	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	27.9	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	11.2	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: P456727

CATALOG NUMBER: GLAN-SA8A-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8	8177.8
2.5°	6885.8	7151.6	7315.2	7623.8	7939.8	8183.4	8488.3	8761.5	8874.9	8934.4
5°	5311.2	5681.1	5995.3	6465.6	6902.5	7434.2	7973.3	8609.1	8852.6	8915.8
7.5°	3727.3	4104.7	4433.7	4978.4	5601.2	6313.2	7120.0	7926.8	8281.9	8382.3
10°	2691.9	3095.3	3496.8	4041.5	4623.4	5394.9	6235.1	7233.4	7642.4	7720.5
12.5°	1699.1	2132.3	2784.8	3457.8	4073.1	4694.0	5573.3	6659.0	7110.7	7253.9
15°	985.3	1308.7	1801.4	2678.8	3461.5	4283.2	5242.4	6443.3	6949.0	7095.9
17.5°	659.9	771.5	1109.8	1780.9	2814.5	3903.9	5158.8	6619.9	7179.5	7367.3
20°	555.8	606.0	725.0	1085.7	2167.6	3565.6	5181.1	7099.6	7833.9	8068.1
22.5°	488.9	535.4	611.6	780.8	1513.2	3145.5	5287.0	7785.5	8733.6	9032.9
25°	431.3	477.8	544.7	646.9	1016.9	2660.2	5519.4	8789.4	9925.3	10254.3
27.5°	383.0	425.7	483.3	570.7	782.6	2119.3	5725.8	9767.3	11012.8	11280.5
30°	338.3	373.7	429.4	496.4	650.7	1634.1	5829.9	10622.4	11804.7	12102.2
32.5°	293.7	327.2	381.1	435.0	535.4	1245.5	5757.4	11250.7	12574.4	12764.0
35°	251.0	286.3	330.9	381.1	462.9	1005.7	5394.9	11957.2	13371.9	13520.6
37.5°	215.6	245.4	291.9	330.9	418.3	805.0	4956.1	12593.0	14266.1	14479.9
40°	182.2	211.9	258.4	293.7	384.8	633.9	4560.2	13299.4	15208.6	15472.6
42.5°	148.7	184.0	224.9	282.6	330.9	483.3	4080.5	13872.0	15916.9	16247.8
45°	119.0	158.0	202.6	280.7	288.1	368.1	3617.6	14318.1	16543.4	16840.8
47.5°	94.8	133.8	195.2	262.1	236.1	291.9	3353.7	14784.7	17063.9	17301.8
50°	76.2	111.5	204.5	230.5	197.1	247.2	3346.2	15305.3	17333.4	17491.5
52.5°	61.3	91.1	172.9	176.6	167.3	217.5	3547.0	15890.8	17608.6	17738.7
55°	52.1	76.2	113.4	130.1	150.6	197.1	3697.6	16792.5	18264.8	18387.5
57.5°	40.9	65.1	87.4	104.1	133.8	180.3	3718.0	17487.7	19095.8	19175.7
59°	35.3	55.8	78.1	93.0	122.7	169.2	3634.4	17530.5	19149.7	19278.0
60°	29.7	50.2	68.8	87.4	113.4	159.9	3543.3	17220.0	18948.9	19092.1
62.5°	22.3	39.0	50.2	70.6	93.0	137.6	3112.0	16136.2	18181.2	18281.5
65°	14.9	27.9	37.2	52.1	72.5	119.0	2535.7	14730.8	16995.1	17220.0
67.5°	9.3	20.4	29.7	39.0	59.5	100.4	1807.0	12632.0	15335.0	15480.0
70°	5.6	13.0	22.3	31.6	46.5	79.9	1072.7	9984.8	12758.4	12788.2
72.5°	3.7	9.3	14.9	22.3	37.2	72.5	520.5	6508.4	9315.5	9670.6
75°	1.9	5.6	9.3	16.7	29.7	59.5	249.1	4348.2	6778.0	6880.2
77.5°	0.0	1.9	5.6	11.2	22.3	46.5	145.0	2855.4	4621.5	4727.5
80°	0.0	0.0	3.7	9.3	16.7	29.7	87.4	1684.3	2799.7	2851.7
82.5°	0.0	0.0	1.9	7.4	11.2	22.3	44.6	739.9	1833.0	1851.6
85°	0.0	0.0	1.9	7.4	9.3	14.9	16.7	100.4	814.2	829.1
87.5°	0.0	0.0	1.9	9.3	9.3	9.3	9.3	5.6	68.8	85.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)