

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: P456729

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456729
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-SA8A-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA 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: 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 IV - Short
BUG Rating: B2 - U0 - G4

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

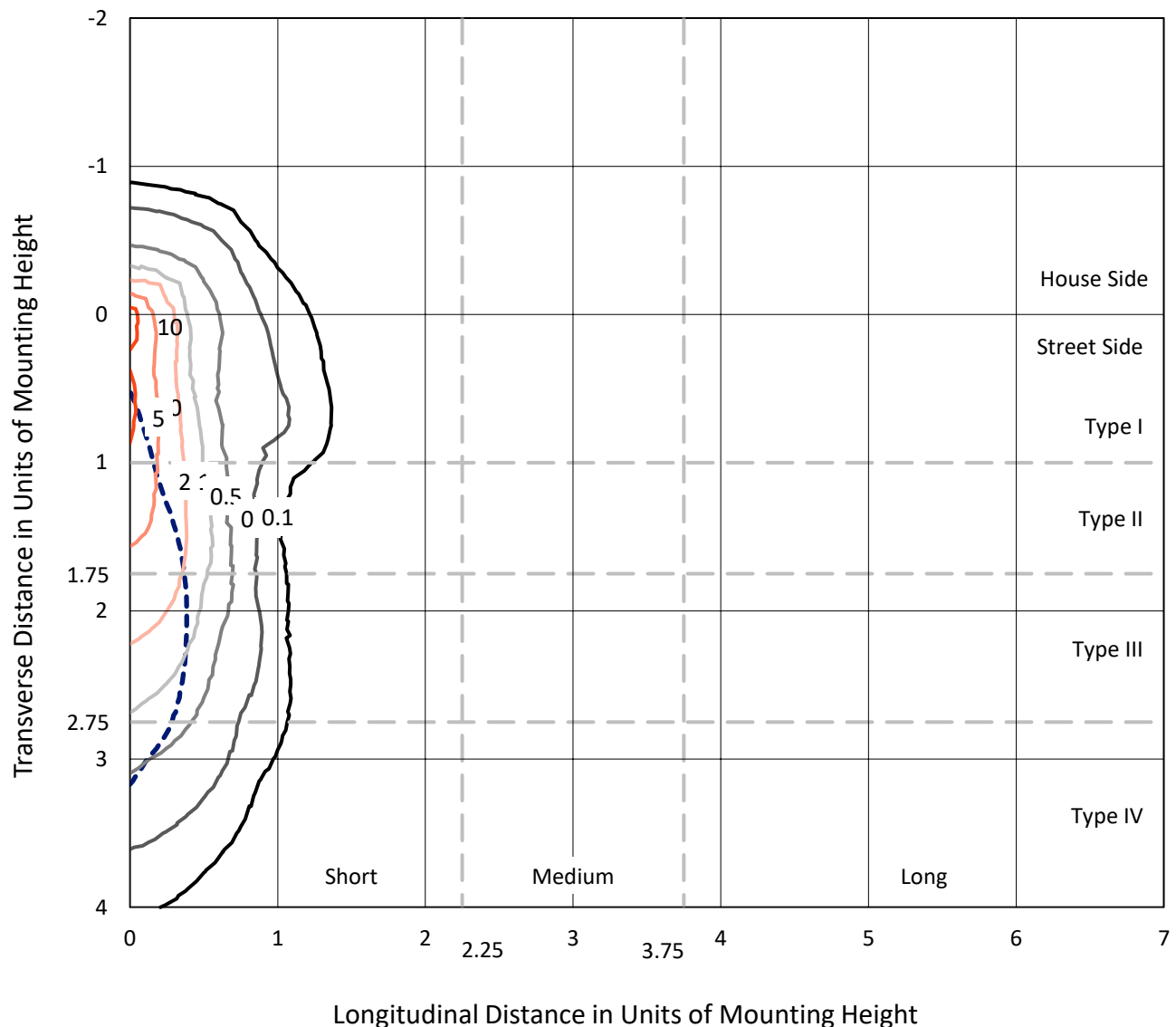


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



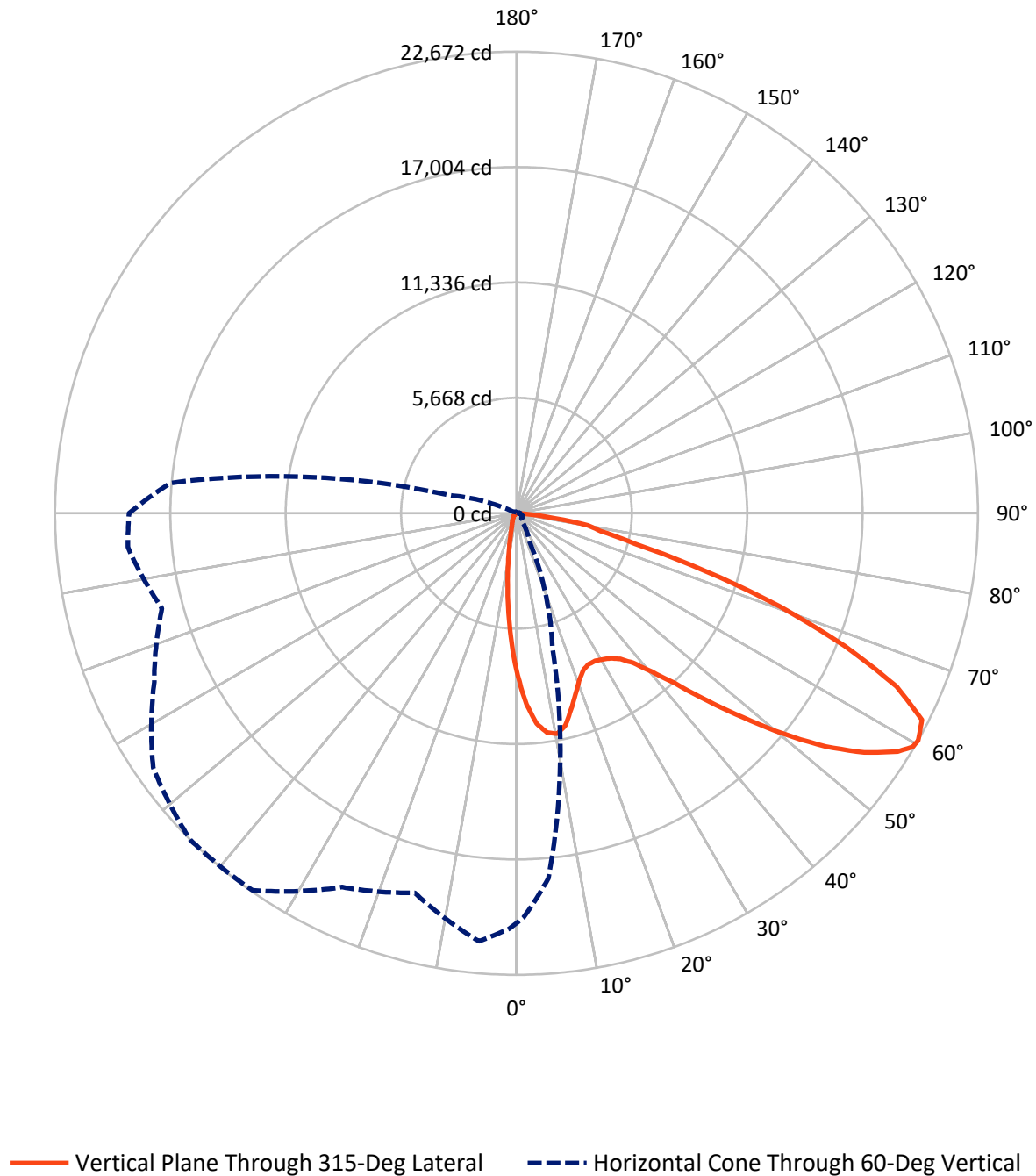
Based on 25 foot mounting height. Maximum calculated value = 12.8 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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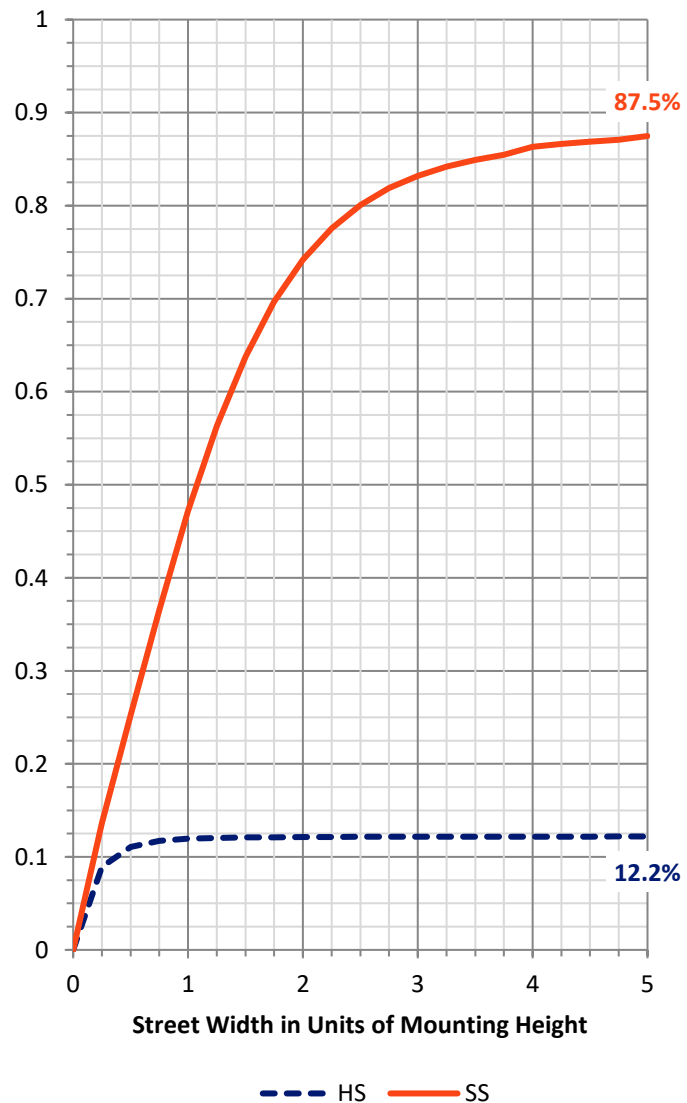
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2978.9	0.0	2978.9
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	21173.1	0.0	21173.1
	% Fixture	87.7	0.0	87.7
Total	Lumens	24152.0	0.0	24152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.7	2.5
10°-20°	1179.1	4.9
20°-30°	1728.9	7.2
30°-40°	2571.2	10.6
40°-50°	3741.9	15.5
50°-60°	5396.1	22.3
60°-70°	5935.2	24.6
70°-80°	2658.5	11.0
80°-90°	347.4	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°	24152.0	100.0
0°-180°	24152.0	100.0

Coefficient of Utilization



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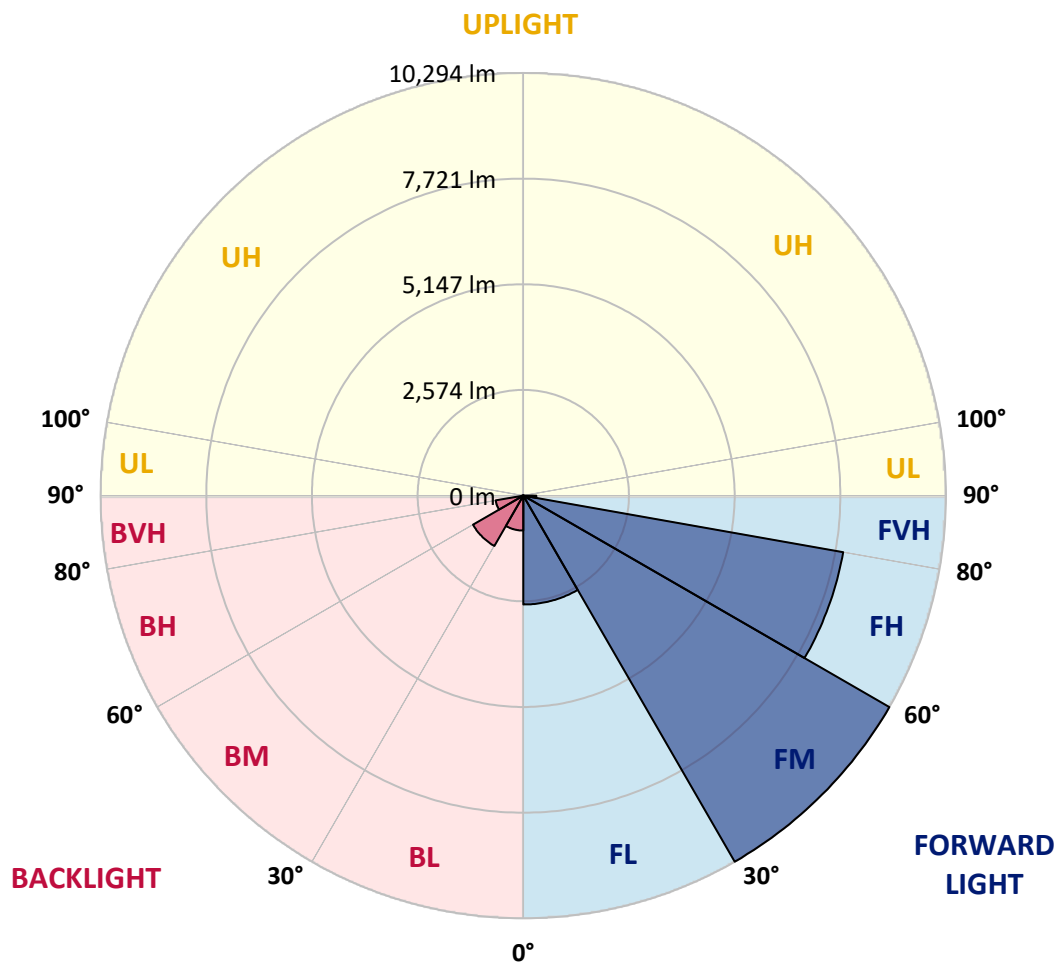
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2650.6	11.0			
FM	(30°-60°)	10294.3	42.6			
FH	(60°-80°)	7910.5	32.8			G4/12000
FVH	(80°-90°)	317.7	1.3			G3/500
BL	(0°-30°)	851.2	3.5	B2/1000		
BM	(30°-60°)	1414.9	5.9	B2/2500		
BH	(60°-80°)	683.1	2.8	B2/1000		G2/1000
BVH	(80°-90°)	29.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6
2.5°	8775.7	8737.1	8649.0	8381.0	8147.8	7843.1	7534.6	7292.3	7143.6	6870.0	6745.2
5°	8502.1	8520.5	8265.3	7714.5	7101.3	6682.7	6225.6	5862.1	5461.9	5208.5	4942.3
7.5°	7788.0	7751.3	7474.0	6706.6	5961.2	5355.4	4777.1	4307.1	4011.5	3774.7	3576.4
10°	7176.6	7149.1	6794.7	5807.0	5006.6	4553.1	4162.0	3750.8	3433.2	3086.2	2809.0
12.5°	6792.9	6730.5	6322.9	5291.1	4639.4	4217.1	3791.2	3363.4	2924.6	2574.0	2238.0
15°	6664.4	6574.4	6121.0	5113.0	4404.4	3868.3	3334.0	2842.0	2337.1	1949.7	1696.4
17.5°	6897.6	6748.8	6266.0	5081.8	4123.5	3413.0	2755.7	2115.0	1589.9	1294.3	1138.3
20°	7431.8	7261.1	6633.2	5050.6	3811.4	2902.6	2094.8	1494.4	1099.7	938.2	851.9
22.5°	8224.9	7989.9	7176.6	5100.2	3523.1	2405.1	1512.8	1055.7	873.9	772.9	712.3
25°	9177.8	8981.3	7865.1	5276.4	3295.5	2014.0	1169.5	862.9	736.2	673.8	627.9
27.5°	10222.4	9908.5	8755.5	5487.6	3088.0	1711.1	1026.3	771.1	655.4	598.5	574.6
30°	10966.0	10721.8	9500.9	5634.4	2829.2	1483.4	938.2	760.1	657.3	589.3	545.3
32.5°	11700.3	11388.2	10125.1	5702.4	2640.1	1325.5	811.5	662.8	576.5	541.6	497.5
35°	12486.1	12159.3	10747.5	5665.6	2498.7	1220.9	736.2	591.2	493.9	435.1	391.1
37.5°	13281.0	12935.9	11366.2	5533.5	2410.6	1178.7	677.5	561.8	466.3	405.7	358.0
40°	14224.7	13763.9	11946.3	5425.1	2318.8	1156.6	638.9	543.4	446.1	381.9	334.1
42.5°	14995.8	14557.0	12495.3	5368.2	2256.3	1105.2	638.9	528.7	433.3	361.7	312.1
45°	15726.5	15271.2	13088.3	5414.1	2230.6	1041.0	646.2	526.9	424.1	347.0	297.4
47.5°	16337.9	15943.1	13697.8	5586.7	2197.6	971.2	607.7	552.6	418.6	334.1	282.7
50°	17059.4	16677.5	14503.8	5935.5	2138.8	901.4	560.0	594.8	416.8	323.1	269.9
52.5°	18076.5	17663.4	15616.3	6332.1	2045.2	795.0	515.9	589.3	409.4	304.8	257.0
55°	19319.4	18985.3	16905.2	6807.6	1916.7	675.6	446.1	523.2	387.4	273.6	235.0
57.5°	20116.2	19831.6	17870.8	7013.2	1720.3	552.6	392.9	438.8	354.3	244.2	209.3
59°	20209.8	19952.8	18072.8	6945.3	1591.7	504.9	367.2	376.4	345.2	227.7	194.6
60°	20130.9	19864.7	17992.0	6813.1	1472.4	471.8	345.2	334.1	347.0	218.5	183.6
62.5°	19624.2	19168.8	17208.1	6143.0	1287.0	433.3	306.6	273.6	306.6	196.4	163.4
65°	18645.6	17962.6	15656.7	5199.3	1213.5	411.2	260.7	229.5	233.2	172.6	141.4
67.5°	16936.4	16075.3	13591.3	4224.5	1182.3	413.1	220.3	205.6	179.9	146.9	124.8
70°	14233.9	13374.7	10905.4	3475.4	1167.6	413.1	187.3	176.2	150.5	123.0	108.3
72.5°	10086.5	9161.2	7356.5	2730.0	1052.0	411.2	159.7	159.7	123.0	102.8	88.1
75°	5698.7	5706.0	4624.7	1931.4	873.9	339.6	128.5	126.7	90.0	78.9	66.1
77.5°	3321.2	3262.4	3117.4	829.8	405.7	154.2	90.0	77.1	62.4	56.9	47.7
80°	1707.4	1404.5	1367.8	301.1	145.0	97.3	62.4	44.1	40.4	36.7	33.0
82.5°	504.9	506.7	451.6	121.2	80.8	64.3	31.2	23.9	22.0	20.2	20.2
85°	34.9	22.0	25.7	36.7	49.6	25.7	1.8	5.5	5.5	7.3	9.2
87.5°	3.7	1.8	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°	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6
2.5°	6607.5	6688.3	6537.7	6541.4	6416.5	6456.9	6310.1	6357.8	6271.5	6337.6	6532.2
5°	4971.7	4990.0	4868.9	4830.3	4848.7	4923.9	4953.3	4819.3	4876.2	4764.2	4756.9
7.5°	3502.9	3525.0	3455.2	3446.0	3578.2	3547.0	3603.9	3466.2	3335.9	3392.8	3288.1
10°	2720.8	2629.0	2485.8	2445.4	2419.7	2436.3	2436.3	2311.4	2293.1	2243.5	2318.8
12.5°	2148.0	2036.0	1900.2	1716.6	1670.7	1667.0	1599.1	1488.9	1454.0	1411.8	1474.2
15°	1560.5	1514.6	1400.8	1298.0	1193.3	1173.2	1063.0	973.0	853.7	837.2	831.7
17.5°	1097.9	1030.0	1028.1	969.4	908.8	868.4	765.6	662.8	616.9	611.4	611.4
20°	822.5	798.6	760.1	752.7	734.4	688.5	596.7	541.6	519.6	521.4	528.7
22.5°	692.1	675.6	640.7	624.2	616.9	576.5	508.5	471.8	460.8	460.8	462.7
25°	618.7	604.0	565.5	539.8	530.6	501.2	448.0	420.4	411.2	411.2	411.2
27.5°	563.6	545.3	504.9	482.8	466.3	433.3	400.2	372.7	363.5	363.5	365.3
30°	525.1	504.9	468.2	438.8	413.1	383.7	356.2	332.3	321.3	319.5	321.3
32.5°	473.7	455.3	418.6	400.2	370.9	336.0	313.9	291.9	280.9	282.7	280.9
35°	369.0	363.5	337.8	343.3	326.8	297.4	277.2	253.4	240.5	238.7	242.3
37.5°	336.0	313.9	284.6	286.4	280.9	269.9	236.8	211.1	202.0	202.0	203.8
40°	310.3	288.2	255.2	238.7	240.5	240.5	205.6	178.1	168.9	167.1	170.7
42.5°	288.2	266.2	229.5	202.0	194.6	203.8	174.4	146.9	137.7	134.0	137.7
45°	273.6	249.7	207.5	176.2	154.2	165.2	143.2	121.2	110.2	110.2	108.3
47.5°	258.9	236.8	190.9	152.4	128.5	123.0	117.5	97.3	86.3	84.5	86.3
50°	246.0	224.0	172.6	132.2	108.3	95.5	95.5	77.1	69.8	66.1	67.9
52.5°	233.2	209.3	156.1	117.5	93.6	77.1	67.9	62.4	56.9	55.1	56.9
55°	214.8	190.9	139.5	101.0	80.8	64.3	53.2	51.4	47.7	44.1	47.7
57.5°	192.8	170.7	123.0	86.3	64.3	49.6	44.1	42.2	38.6	36.7	36.7
59°	179.9	159.7	113.8	75.3	56.9	44.1	40.4	38.6	34.9	31.2	33.0
60°	172.6	156.1	108.3	69.8	51.4	40.4	36.7	34.9	31.2	29.4	31.2
62.5°	152.4	139.5	95.5	56.9	40.4	29.4	25.7	27.5	25.7	23.9	25.7
65°	134.0	123.0	80.8	44.1	31.2	20.2	18.4	23.9	22.0	20.2	22.0
67.5°	119.3	106.5	67.9	33.0	22.0	11.0	12.9	20.2	20.2	18.4	20.2
70°	102.8	91.8	55.1	23.9	11.0	5.5	9.2	14.7	18.4	16.5	18.4
72.5°	84.5	71.6	42.2	16.5	5.5	0.0	5.5	12.9	18.4	16.5	18.4
75°	66.1	53.2	31.2	9.2	0.0	0.0	1.8	11.0	18.4	16.5	18.4
77.5°	47.7	38.6	18.4	1.8	0.0	0.0	1.8	11.0	18.4	16.5	18.4
80°	31.2	27.5	7.3	0.0	0.0	0.0	1.8	11.0	18.4	18.4	20.2
82.5°	20.2	14.7	0.0	0.0	0.0	0.0	3.7	14.7	20.2	22.0	22.0
85°	9.2	0.0	0.0	0.0	0.0	0.0	7.3	18.4	23.9	23.9	23.9
87.5°	0.0	0.0	0.0	0.0	0.0	3.7	12.9	22.0	27.5	27.5	27.5
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°	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6
2.5°	6565.3	6680.9	6844.3	7095.8	7299.6	7620.9	7866.9	8202.9	8542.5	8645.3	8805.1
5°	4832.1	4980.9	5351.7	5689.5	5902.5	6581.8	7011.4	7688.8	8296.5	8588.4	8906.0
7.5°	3356.1	3532.3	3815.0	4286.9	4734.8	5287.5	5981.4	6756.2	7646.6	8063.4	8511.3
10°	2355.5	2575.8	2974.2	3361.6	3925.2	4450.3	5135.1	5990.6	6972.8	7464.9	8026.6
12.5°	1487.1	1683.5	2210.4	2645.6	3348.7	3958.2	4589.8	5364.6	6502.8	7007.7	7597.0
15°	850.0	1015.3	1261.3	1819.4	2599.7	3405.6	4193.2	5092.8	6262.3	6884.7	7521.8
17.5°	633.4	677.5	787.6	1103.4	1813.9	2755.7	3827.9	5010.2	6425.7	7156.4	7883.4
20°	532.4	561.8	613.2	738.0	1156.6	2122.3	3471.7	5024.9	6954.5	7872.4	8562.7
22.5°	477.3	495.7	537.9	618.7	789.4	1545.8	3055.0	5111.2	7595.2	8751.8	9548.6
25°	418.6	442.5	479.2	548.9	657.3	1072.2	2643.7	5304.0	8493.0	9868.1	10617.1
27.5°	372.7	394.7	431.4	495.7	576.5	818.8	2164.5	5469.2	9440.3	10991.7	11604.9
30°	326.8	348.8	385.5	436.9	510.4	662.8	1648.7	5566.5	10360.1	11834.3	12306.2
32.5°	288.2	306.6	341.5	387.4	448.0	561.8	1299.8	5465.5	11063.3	12599.9	12915.7
35°	249.7	271.7	301.1	343.3	396.6	479.2	1081.4	5116.7	11667.3	13387.5	13501.4
37.5°	209.3	235.0	266.2	304.8	347.0	440.6	868.4	4731.2	12313.5	14369.7	14182.5
40°	176.2	200.1	229.5	271.7	310.3	403.9	668.3	4319.9	13011.2	15291.4	14926.0
42.5°	143.2	168.9	203.8	242.3	306.6	352.5	517.7	3894.0	13637.2	16093.7	15598.0
45°	113.8	135.9	172.6	222.1	304.8	302.9	400.2	3473.6	14109.0	16666.5	16099.2
47.5°	90.0	108.3	145.0	216.6	280.9	257.0	321.3	3212.9	14604.7	17182.4	16482.9
50°	71.6	90.0	124.8	225.8	246.0	220.3	269.9	3255.1	15083.9	17444.9	16640.8
52.5°	60.6	78.9	108.3	178.1	189.1	192.8	236.8	3449.7	15702.6	17725.8	16954.7
55°	53.2	69.8	91.8	124.8	146.9	172.6	216.6	3591.1	16530.6	18328.0	17646.9
57.5°	42.2	60.6	82.6	106.5	121.2	150.5	200.1	3602.1	17279.7	19100.9	18566.7
59°	38.6	55.1	77.1	101.0	108.3	135.9	189.1	3508.4	17307.2	19216.6	18988.9
60°	34.9	53.2	73.4	93.6	102.8	128.5	179.9	3400.1	17057.5	19033.0	19163.3
62.5°	29.4	45.9	64.3	75.3	88.1	106.5	156.1	3007.2	15847.7	18201.3	18840.2
65°	25.7	40.4	55.1	62.4	73.4	91.8	137.7	2406.9	14511.1	17074.1	17914.9
67.5°	23.9	36.7	47.7	53.2	64.3	84.5	123.0	1700.1	12779.8	15643.9	16525.1
70°	22.0	34.9	42.2	49.6	56.9	71.6	104.6	991.4	9844.2	13136.0	14066.8
72.5°	22.0	33.0	36.7	42.2	49.6	64.3	97.3	536.1	6730.5	10020.5	11223.0
75°	22.0	31.2	33.0	36.7	44.1	58.7	86.3	280.9	4351.1	6961.8	8592.1
77.5°	22.0	29.4	33.0	34.9	42.2	51.4	75.3	176.2	2898.9	4876.2	5807.0
80°	23.9	29.4	31.2	34.9	40.4	47.7	62.4	117.5	1703.7	2933.8	3534.1
82.5°	25.7	29.4	33.0	36.7	42.2	45.9	55.1	73.4	785.8	1940.6	2195.8
85°	27.5	31.2	34.9	38.6	44.1	45.9	51.4	53.2	128.5	875.7	1184.2
87.5°	29.4	33.0	36.7	40.4	47.7	47.7	47.7	47.7	44.1	93.6	238.7
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: P456729

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6
2.5°	9007.0	9214.5	9359.5	9396.2	9291.6	9243.9	9111.7	8906.0	8781.2	8775.7
5°	9491.7	9978.2	10316.0	10372.9	10171.0	9829.5	9423.8	8900.5	8593.9	8502.1
7.5°	9409.1	10261.0	10804.4	10883.3	10543.7	9891.9	9106.2	8263.5	7929.3	7788.0
10°	9069.4	10108.6	10885.2	11010.0	10556.5	9638.6	8639.8	7699.8	7284.9	7176.6
12.5°	8779.4	9829.5	10519.8	10692.4	10349.1	9433.0	8360.8	7338.2	6893.9	6792.9
15°	8652.7	9499.1	9921.3	10009.4	9952.5	9304.4	8331.4	7283.1	6774.5	6664.4
17.5°	8779.4	9218.2	9271.4	9361.4	9488.0	9291.6	8614.1	7582.4	7033.4	6897.6
20°	9111.7	8974.0	8753.7	8792.2	9082.3	9344.8	9117.2	8245.1	7576.8	7431.8
22.5°	9677.1	8913.4	8414.0	8381.0	8748.2	9522.9	9855.2	9142.9	8368.1	8224.9
25°	10371.1	9065.8	8289.2	8217.6	8617.8	9783.6	10657.5	10242.6	9396.2	9177.8
27.5°	11127.5	9381.6	8289.2	8219.4	8606.8	10014.9	11344.2	11215.6	10461.1	10222.4
30°	11542.4	9642.3	8408.5	8329.6	8742.7	10149.0	11711.3	12080.4	11261.5	10966.0
32.5°	11913.3	10003.9	8641.7	8493.0	9027.2	10347.2	12040.0	12814.7	11898.6	11700.3
35°	12254.8	10391.3	8963.0	8790.4	9401.7	10619.0	12403.5	13585.8	12785.3	12486.1
37.5°	12631.1	10841.1	9464.2	9317.3	10027.8	11147.7	12834.9	14599.2	13657.4	13281.0
40°	13040.5	11362.5	10288.5	10226.1	11022.9	11746.2	13380.2	15680.6	14652.5	14224.7
42.5°	13457.3	11962.9	11298.3	11401.1	12150.1	12585.2	13940.1	16512.3	15467.6	14995.8
45°	13835.5	12730.3	12610.9	13119.5	13464.6	13404.1	14355.1	17097.9	16178.1	15726.5
47.5°	14312.8	13848.3	14199.0	14982.9	14992.1	14294.5	14669.0	17577.1	16789.5	16337.9
50°	14847.1	15168.4	16249.7	17048.4	16833.6	15170.2	15036.2	18144.4	17421.0	17059.4
52.5°	15465.8	16646.3	18144.4	19031.1	18529.9	16124.9	15647.5	18757.6	18423.5	18076.5
55°	16185.5	17654.2	20033.6	20740.4	20235.5	17310.9	16576.5	19589.3	19556.2	19319.4
57.5°	16998.8	18719.0	21127.8	22084.3	21634.5	18702.5	17874.5	20373.2	20248.4	20116.2
59°	17641.4	19266.1	21610.6	22602.0	22330.3	19677.4	18746.6	20861.6	20408.1	20209.8
60°	18030.6	19637.0	21788.7	22671.8	22609.4	20257.5	19299.2	21100.2	20406.3	20130.9
62.5°	19185.4	20285.1	21720.8	22361.5	22605.7	21370.1	20920.3	21362.8	20028.1	19624.2
65°	19596.6	20070.3	20595.4	20516.4	20725.7	21313.2	21955.8	21074.5	19220.2	18645.6
67.5°	18796.2	17714.8	17900.2	17373.3	17270.5	18948.5	21535.3	19664.5	17639.5	16936.4
70°	15844.0	13571.1	13477.5	13719.8	13055.2	15340.9	19337.7	16949.2	15030.7	14233.9
72.5°	12471.4	9590.8	8801.4	9693.7	9673.5	11704.0	16064.3	12027.1	10154.5	10086.5
75°	9807.5	6677.2	5860.3	6005.3	6284.4	8472.8	12794.5	7637.4	6253.1	5698.7
77.5°	6583.6	4731.2	4413.6	4235.5	4536.6	5439.8	8094.6	4141.8	3506.6	3321.2
80°	3794.8	3436.8	3903.2	3543.3	3704.9	3427.7	4026.2	1900.2	1577.1	1707.4
82.5°	2469.3	1957.1	2085.6	1549.5	2118.7	2137.0	1292.5	561.8	475.5	504.9
85°	1544.0	918.0	515.9	367.2	730.7	1343.9	403.9	34.9	40.4	34.9
87.5°	400.2	152.4	64.3	95.5	117.5	104.6	93.6	5.5	1.8	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)