

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: P528209

Luminaire Tested: **GLAN-SA3B-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528209
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-SA3B-735-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA 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: 8748 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

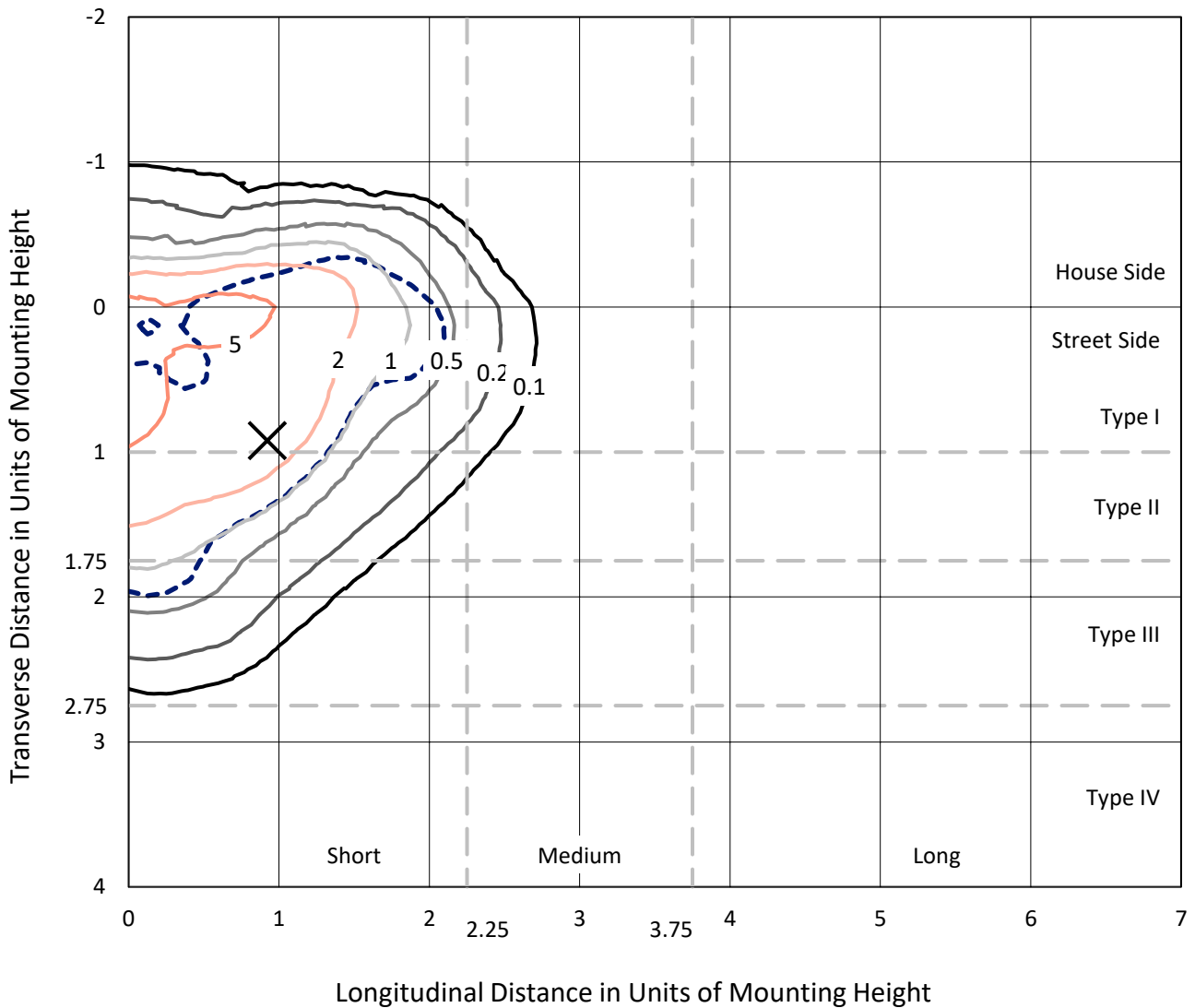
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528209
 CATALOG NUMBER: GLAN-SA3B-735-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

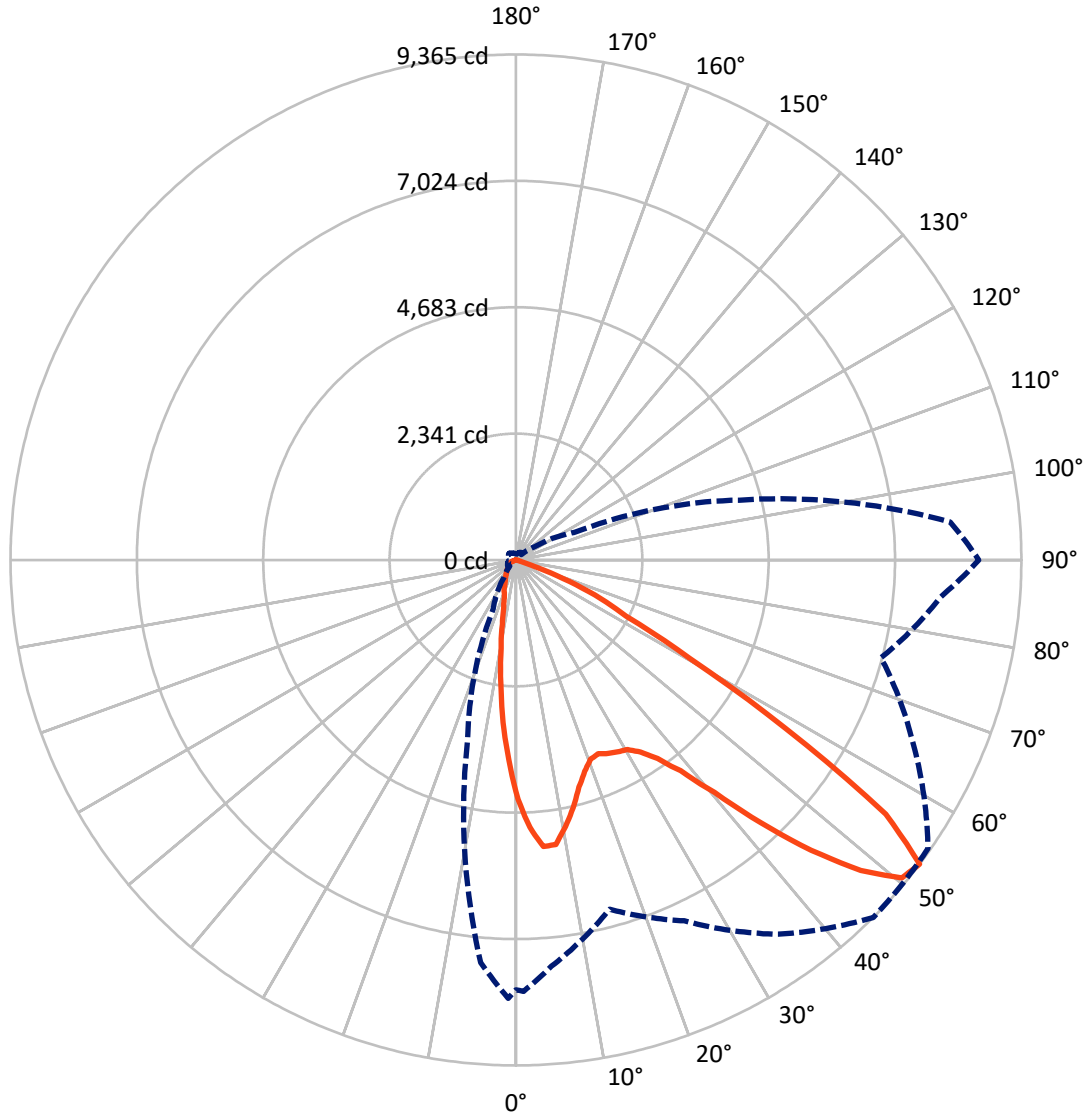
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Short - N/A

REPORT NUMBER: P528209
CATALOG NUMBER: GLAN-SA3B-735-U-SLL-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P528209
 CATALOG NUMBER: GLAN-SA3B-735-U-SLL-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1775.4	0.0	1775.4
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	6972.6	0.0	6972.6
	% Fixture	79.7	0.0	79.7
Total	Lumens	8748.0	0.0	8748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.5	3.7
10°-20°	638.2	7.3
20°-30°	971.3	11.1
30°-40°	1451.7	16.6
40°-50°	2067.3	23.6
50°-60°	2222.3	25.4
60°-70°	984.8	11.3
70°-80°	79.7	0.9
80°-90°	9.3	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°	8748.0	100.0
0°-180°	8748.0	100.0

Coefficient of Utilization

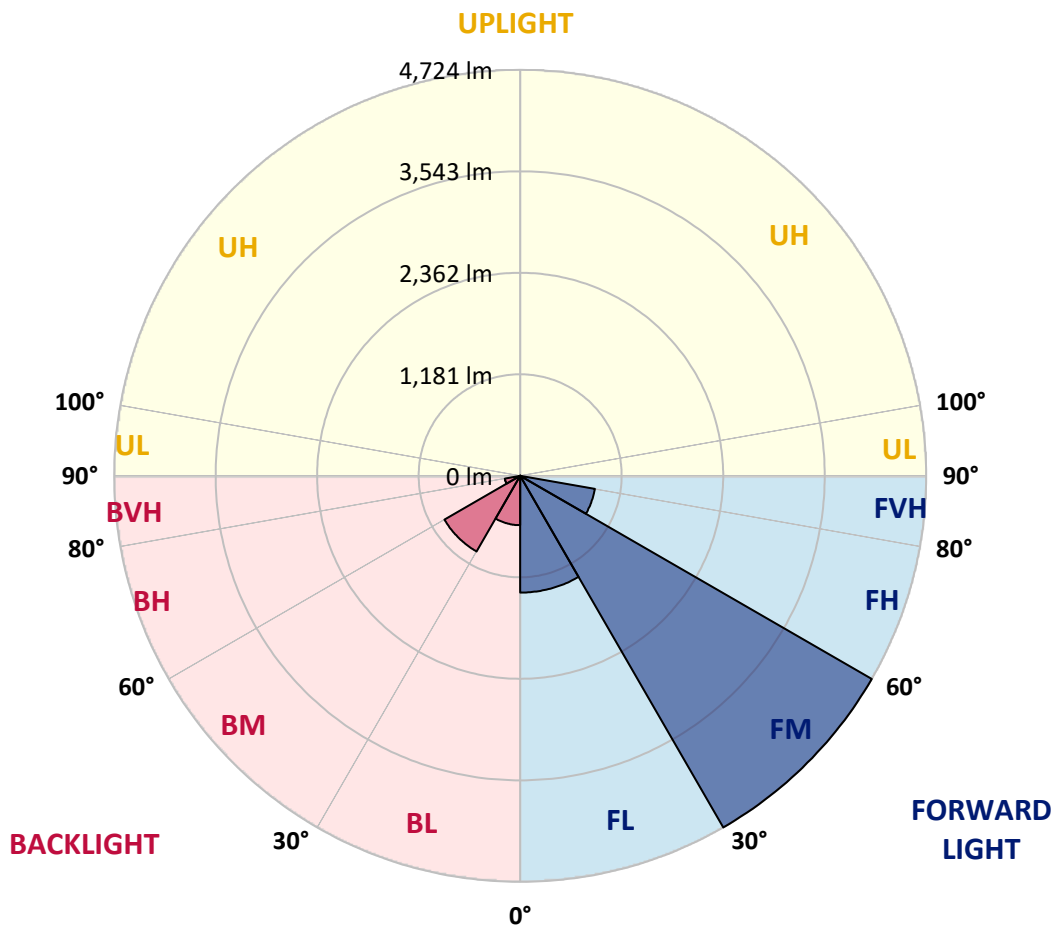


REPORT NUMBER: P528209
 CATALOG NUMBER: GLAN-SA3B-735-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1358.7	15.5			
FM (30°-60°)	4724.2	54.0			
FH (60°-80°)	882.8	10.1			G1/1800
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	574.2	6.6	B2/1000		
BM (30°-60°)	1017.1	11.6	B2/2500		
BH (60°-80°)	181.7	2.1	B1/500		G1/500
BVH (80°-90°)	2.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type III Short





REPORT NUMBER: P528209

CATALOG NUMBER: GLAN-SA3B-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6
2.5°	4693.7	4707.5	4783.2	4877.8	4927.7	5041.3	4962.1	4982.8	4939.8	4788.4	4669.6
5°	4550.9	4549.2	4645.6	4879.6	5101.5	5326.9	5333.8	5213.3	5001.7	4769.4	4437.4
7.5°	4120.8	4187.9	4287.7	4661.0	5072.3	5240.9	5321.7	5180.7	4855.5	4523.4	4163.8
10°	3795.6	3830.0	3998.6	4449.4	4750.5	4975.9	5025.8	4944.9	4695.4	4280.8	3878.2
12.5°	3608.0	3625.3	3823.1	4201.6	4520.0	4686.8	4710.9	4748.8	4569.8	4181.0	3697.5
15°	3609.8	3623.5	3890.2	4206.8	4332.4	4287.7	4366.8	4365.1	4442.5	4162.1	3848.9
17.5°	3869.6	3885.1	4125.9	4282.5	4227.5	4122.5	4117.3	4196.5	4359.9	4397.8	4077.8
20°	4316.9	4353.1	4530.3	4521.7	4212.0	4000.3	3941.8	4002.1	4382.3	4597.4	4538.9
22.5°	4919.1	4969.0	5092.9	4855.5	4282.5	3917.7	3898.8	4015.8	4530.3	5043.0	5061.9
25°	5617.7	5702.0	5762.2	5457.7	4533.7	4060.6	3971.1	4172.4	4729.9	5526.5	5727.8
27.5°	6080.5	6168.3	6154.5	5719.2	4702.3	4098.4	4022.7	4210.2	4903.6	5641.8	6075.4
30°	6441.8	6495.2	6591.5	5860.3	4870.9	4205.1	4076.0	4370.3	4960.4	5841.4	6495.2
32.5°	6863.4	6899.5	6906.4	6109.8	5130.8	4339.3	4241.2	4569.8	5211.6	6032.3	6866.8
35°	7288.4	7341.7	7229.9	6417.7	5290.8	4588.8	4516.5	4915.7	5412.9	6230.2	7276.3
37.5°	7749.5	7777.0	7518.9	6545.1	5519.6	4994.8	4955.3	5289.0	5762.2	6588.1	7730.5
40°	8136.6	8162.4	7826.9	6701.6	5760.5	5562.6	5664.1	6001.4	6237.1	6820.4	7957.7
42.5°	8351.7	8411.9	7930.1	6615.6	6244.0	6206.1	6656.9	6775.6	6787.7	6885.7	8160.7
45°	8410.2	8382.6	7759.8	6686.2	6667.2	7264.3	7673.8	7830.3	7334.8	7006.2	8212.3
47.5°	8140.0	8176.2	7508.6	6624.2	7223.0	8066.1	8596.0	8886.8	7742.6	6901.2	8085.0
50°	7921.5	7875.1	7427.7	6579.5	7372.7	8444.6	9261.9	9327.2	8117.7	7030.3	7945.6
52.5°	7964.5	7993.8	7556.8	6698.2	7376.1	8467.0	9365.1	9320.4	8129.7	7001.0	7895.7
55°	8055.7	7926.7	7501.7	6436.7	6882.3	7842.4	8312.1	8243.3	7503.4	6689.6	7773.6
57.5°	6951.1	7150.7	6897.8	5746.7	5648.6	5908.5	5899.9	6111.5	5597.0	5757.0	7076.7
60°	5641.8	5676.2	5770.8	4915.7	3909.1	3819.7	3695.8	3561.6	3766.3	4922.6	6436.7
62.5°	4962.1	4920.8	5258.1	4471.8	2759.8	2310.7	2290.1	2372.7	2906.1	4695.4	6037.5
65°	3606.3	3657.9	3902.3	3470.4	2071.6	1763.6	1732.6	1976.9	2352.0	3762.9	4607.7
67.5°	2202.3	2302.1	2324.5	2140.4	1405.7	1116.7	1071.9	1293.9	1698.2	2434.6	2701.3
70°	1016.9	1137.3	1250.9	1168.3	813.8	459.4	433.6	543.7	856.8	1400.5	1433.2
72.5°	308.0	309.7	433.6	452.5	263.2	103.2	91.2	120.4	290.8	462.8	486.9
75°	22.4	24.1	58.5	67.1	49.9	25.8	27.5	32.7	61.9	103.2	77.4
77.5°	1.7	1.7	1.7	8.6	15.5	17.2	22.4	25.8	32.7	37.9	34.4
80°	1.7	0.0	1.7	6.9	12.0	17.2	20.6	24.1	25.8	29.2	25.8
82.5°	0.0	0.0	0.0	5.2	12.0	17.2	18.9	25.8	29.2	34.4	29.2
85°	0.0	0.0	0.0	5.2	12.0	18.9	17.2	8.6	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: P528209

CATALOG NUMBER: GLAN-SA3B-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6
2.5°	4690.3	4623.2	4470.1	4392.6	4210.2	4184.4	4005.5	3976.2	3916.0	3883.3	3804.2
5°	4291.1	4210.2	3960.8	3750.9	3506.5	3336.2	3205.4	3086.7	3017.9	2954.2	2983.5
7.5°	3965.9	3730.2	3453.2	3102.2	2820.0	2637.6	2438.1	2274.6	2178.2	2112.9	2128.4
10°	3625.3	3472.1	3086.7	2692.7	2352.0	2223.0	2066.4	1940.8	1804.9	1687.9	1632.8
12.5°	3518.6	3291.5	2808.0	2407.1	2149.0	2023.4	1844.5	1699.9	1526.2	1383.3	1333.4
15°	3537.5	3319.0	2732.3	2303.9	1999.3	1782.5	1569.2	1390.2	1199.2	1099.4	1047.8
17.5°	3845.5	3467.0	2782.2	2195.5	1791.1	1490.0	1226.8	999.7	856.8	753.6	731.2
20°	4224.0	3787.0	2888.8	2116.3	1620.8	1185.5	896.4	700.3	581.6	564.3	559.2
22.5°	4778.0	4310.0	3117.7	2063.0	1412.6	923.9	614.2	509.3	476.6	473.2	474.9
25°	5552.3	4965.6	3367.2	2018.2	1256.0	712.3	502.4	431.9	421.5	416.4	425.0
27.5°	5887.8	5361.3	3499.6	1921.9	1113.2	641.8	495.5	428.4	399.2	390.6	395.7
30°	6302.5	5624.6	3707.8	1756.7	903.3	528.2	462.8	466.3	452.5	409.5	395.7
32.5°	6853.1	5953.2	3812.8	1639.7	806.9	437.0	339.0	311.4	347.6	354.4	366.5
35°	7205.8	6287.0	3866.1	1570.9	757.1	373.4	287.3	261.5	252.9	254.6	261.5
37.5°	7861.3	6737.8	3933.2	1498.6	719.2	325.2	259.8	235.7	223.7	223.7	230.6
40°	8253.6	7095.7	4024.4	1459.0	681.3	295.9	235.7	215.1	204.7	204.7	208.2
42.5°	8351.7	7272.9	3993.5	1445.3	638.3	289.1	215.1	199.6	187.5	185.8	184.1
45°	8527.2	7543.0	3998.6	1429.8	593.6	263.2	203.0	185.8	168.6	166.9	165.2
47.5°	8719.9	7737.4	4008.9	1369.6	550.6	220.2	211.6	172.1	151.4	148.0	148.0
50°	8554.7	7892.3	4098.4	1309.4	495.5	178.9	208.2	161.7	134.2	129.0	130.8
52.5°	8575.3	8074.7	4287.7	1225.0	426.7	142.8	168.6	153.1	122.2	113.6	115.3
55°	8245.0	7882.0	4313.5	1135.6	333.8	110.1	129.0	134.2	103.2	99.8	99.8
57.5°	7097.4	6674.1	3805.9	920.5	220.2	91.2	92.9	117.0	89.5	86.0	87.7
60°	6073.6	5357.9	3062.6	607.4	137.6	72.3	67.1	118.7	79.1	77.4	82.6
62.5°	5536.8	4403.0	2322.8	376.8	94.6	55.1	46.5	96.4	68.8	68.8	75.7
65°	4000.3	2957.7	1350.7	197.9	67.1	43.0	34.4	55.1	56.8	58.5	61.9
67.5°	2477.6	1493.5	569.5	96.4	44.7	29.2	22.4	34.4	37.9	37.9	41.3
70°	1223.3	595.3	189.3	55.1	34.4	24.1	15.5	18.9	18.9	17.2	18.9
72.5°	378.5	178.9	48.2	34.4	24.1	15.5	8.6	6.9	3.4	0.0	1.7
75°	43.0	34.4	31.0	24.1	15.5	6.9	1.7	0.0	0.0	0.0	0.0
77.5°	25.8	29.2	29.2	24.1	15.5	5.2	0.0	0.0	0.0	0.0	0.0
80°	20.6	22.4	24.1	22.4	13.8	6.9	0.0	0.0	0.0	0.0	0.0
82.5°	25.8	29.2	32.7	29.2	18.9	8.6	3.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	5.2	1.7	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: P528209
 CATALOG NUMBER: GLAN-SA3B-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6
2.5°	3771.5	3733.6	3787.0	3707.8	3706.1	3707.8	3685.5	3664.8	3697.5	3785.3	3793.9
5°	2878.5	2959.4	2985.2	3069.5	3023.1	2954.2	2968.0	2921.5	3035.1	3085.0	3045.4
7.5°	2095.7	2090.5	2264.3	2274.6	2297.0	2298.7	2295.2	2204.1	2111.1	2131.8	2193.7
10°	1625.9	1538.2	1622.5	1613.9	1669.0	1653.5	1675.8	1577.8	1610.5	1610.5	1650.0
12.5°	1324.8	1231.9	1216.4	1194.1	1216.4	1225.0	1233.7	1214.7	1269.8	1295.6	1323.1
15°	1011.7	960.1	946.3	903.3	910.2	934.3	954.9	963.5	946.3	985.9	989.3
17.5°	734.7	733.0	741.6	739.8	733.0	727.8	726.1	703.7	696.8	700.3	714.0
20°	557.5	571.2	600.5	629.7	645.2	626.3	600.5	562.6	547.1	550.6	552.3
22.5°	476.6	497.2	536.8	569.5	585.0	550.6	504.1	471.4	464.6	462.8	461.1
25°	431.9	456.0	485.2	495.5	493.8	473.2	438.7	425.0	421.5	418.1	402.6
27.5°	407.8	416.4	421.5	433.6	438.7	425.0	416.4	395.7	392.3	392.3	382.0
30°	394.0	388.8	395.7	387.1	394.0	383.7	385.4	385.4	376.8	380.2	380.2
32.5°	366.5	368.2	368.2	351.0	356.2	344.1	356.2	366.5	368.2	369.9	383.7
35°	268.4	299.4	314.9	314.9	320.0	311.4	309.7	297.7	282.2	266.7	259.8
37.5°	235.7	247.8	268.4	280.5	289.1	282.2	266.7	247.8	239.2	232.3	225.4
40°	209.9	220.2	234.0	247.8	265.0	256.4	232.3	223.7	213.4	213.4	206.5
42.5°	189.3	194.4	203.0	223.7	242.6	225.4	208.2	201.3	196.1	194.4	192.7
45°	170.3	172.1	180.7	197.9	220.2	203.0	185.8	177.2	178.9	180.7	178.9
47.5°	153.1	156.6	161.7	182.4	196.1	187.5	168.6	163.5	163.5	163.5	165.2
50°	132.5	141.1	151.4	168.6	178.9	173.8	158.3	151.4	148.0	148.0	149.7
52.5°	118.7	125.6	139.4	160.0	173.8	165.2	149.7	139.4	132.5	130.8	134.2
55°	103.2	115.3	137.6	153.1	172.1	163.5	146.2	134.2	122.2	120.4	120.4
57.5°	92.9	111.8	132.5	151.4	166.9	160.0	146.2	130.8	115.3	113.6	113.6
60°	87.7	108.4	129.0	146.2	166.9	156.6	144.5	127.3	110.1	110.1	108.4
62.5°	82.6	101.5	122.2	139.4	160.0	151.4	139.4	122.2	105.0	105.0	101.5
65°	68.8	87.7	101.5	117.0	139.4	130.8	118.7	106.7	92.9	89.5	91.2
67.5°	48.2	60.2	74.0	89.5	103.2	99.8	94.6	86.0	74.0	72.3	70.5
70°	24.1	32.7	44.7	60.2	72.3	68.8	65.4	58.5	51.6	49.9	49.9
72.5°	3.4	10.3	18.9	27.5	37.9	39.6	37.9	36.1	34.4	32.7	34.4
75°	0.0	0.0	0.0	6.9	15.5	18.9	22.4	25.8	25.8	22.4	27.5
77.5°	0.0	0.0	0.0	0.0	1.7	8.6	17.2	22.4	27.5	24.1	32.7
80°	0.0	0.0	0.0	0.0	1.7	10.3	17.2	24.1	27.5	24.1	34.4
82.5°	0.0	0.0	0.0	0.0	1.7	12.0	17.2	22.4	25.8	24.1	31.0
85°	0.0	0.0	0.0	0.0	5.2	10.3	6.9	3.4	1.7	1.7	5.2
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: P528209
 CATALOG NUMBER: GLAN-SA3B-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6	4435.6
2.5°	3842.0	3964.2	4095.0	4144.9	4299.7	4416.7	4495.9	4666.2	4692.0	4693.7
5°	3086.7	3148.7	3372.3	3477.3	3707.8	3886.8	4077.8	4353.1	4537.2	4550.9
7.5°	2193.7	2365.8	2460.4	2734.0	3017.9	3298.3	3582.2	3902.3	4115.6	4120.8
10°	1765.3	1877.1	2045.8	2250.5	2489.7	2775.3	3153.8	3525.5	3742.3	3795.6
12.5°	1421.2	1617.3	1810.0	2021.7	2204.1	2419.1	2826.9	3322.4	3501.4	3608.0
15°	1094.3	1273.2	1500.3	1748.1	1954.6	2241.9	2706.5	3272.5	3573.6	3609.8
17.5°	806.9	967.0	1176.9	1410.9	1720.6	2128.4	2727.1	3525.5	3809.4	3869.6
20°	579.8	672.7	837.9	1109.8	1503.8	1995.9	2747.8	3781.8	4213.7	4316.9
22.5°	459.4	497.2	605.6	846.5	1261.2	1856.5	2894.0	4272.2	4769.4	4919.1
25°	399.2	419.8	471.4	667.6	1108.1	1842.7	3128.0	4860.6	5509.3	5617.7
27.5°	385.4	388.8	433.6	612.5	1025.5	1751.5	3217.5	5278.7	5970.4	6080.5
30°	406.1	461.1	464.6	517.9	872.3	1570.9	3263.9	5683.1	6361.0	6441.8
32.5°	351.0	333.8	345.8	400.9	767.4	1465.9	3351.7	6035.8	6806.6	6863.4
35°	244.3	256.4	283.9	347.6	671.0	1355.8	3374.0	6424.6	7229.9	7288.4
37.5°	225.4	232.3	254.6	295.9	590.2	1293.9	3343.1	6708.5	7668.6	7749.5
40°	209.9	218.5	230.6	268.4	529.9	1225.0	3300.1	6964.9	7937.0	8136.6
42.5°	197.9	204.7	215.1	256.4	478.3	1156.2	3239.8	7326.2	8177.9	8351.7
45°	184.1	194.4	206.5	249.5	449.1	1109.8	3195.1	7303.8	8317.3	8410.2
47.5°	170.3	187.5	201.3	232.3	440.5	1087.4	3214.0	7219.5	8203.7	8140.0
50°	156.6	178.9	203.0	192.7	419.8	1042.7	3236.4	7334.8	7933.6	7921.5
52.5°	144.5	170.3	189.3	158.3	373.4	999.7	3453.2	7486.2	8124.6	7964.5
55°	127.3	153.1	151.4	127.3	302.8	967.0	3623.5	7489.7	7995.5	8055.7
57.5°	115.3	135.9	118.7	106.7	223.7	808.7	3346.5	6280.1	6844.4	6951.1
60°	106.7	132.5	89.5	84.3	146.2	583.3	2921.5	4864.1	5440.5	5641.8
62.5°	98.1	125.6	70.5	68.8	101.5	414.7	2401.9	4070.9	4688.6	4962.1
65°	86.0	89.5	56.8	53.3	72.3	223.7	1462.5	2802.8	3504.8	3606.3
67.5°	70.5	68.8	46.5	43.0	48.2	108.4	645.2	1404.0	2032.0	2202.3
70°	56.8	56.8	39.6	34.4	34.4	49.9	168.6	559.2	918.8	1016.9
72.5°	41.3	43.0	31.0	27.5	25.8	24.1	27.5	111.8	240.9	308.0
75°	36.1	37.9	31.0	24.1	18.9	15.5	12.0	10.3	13.8	22.4
77.5°	39.6	39.6	32.7	22.4	17.2	12.0	6.9	3.4	3.4	1.7
80°	49.9	51.6	43.0	29.2	20.6	13.8	8.6	3.4	1.7	1.7
82.5°	53.3	58.5	48.2	36.1	25.8	15.5	8.6	1.7	0.0	0.0
85°	13.8	22.4	37.9	32.7	25.8	15.5	8.6	1.7	0.0	0.0
87.5°	0.0	1.7	5.2	5.2	6.9	6.9	5.2	1.7	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

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