

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: P533073

Luminaire Tested: **GLAN-SA8C-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-727-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26247 lumens
Efficiency: N/A
Efficacy: 61.2 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

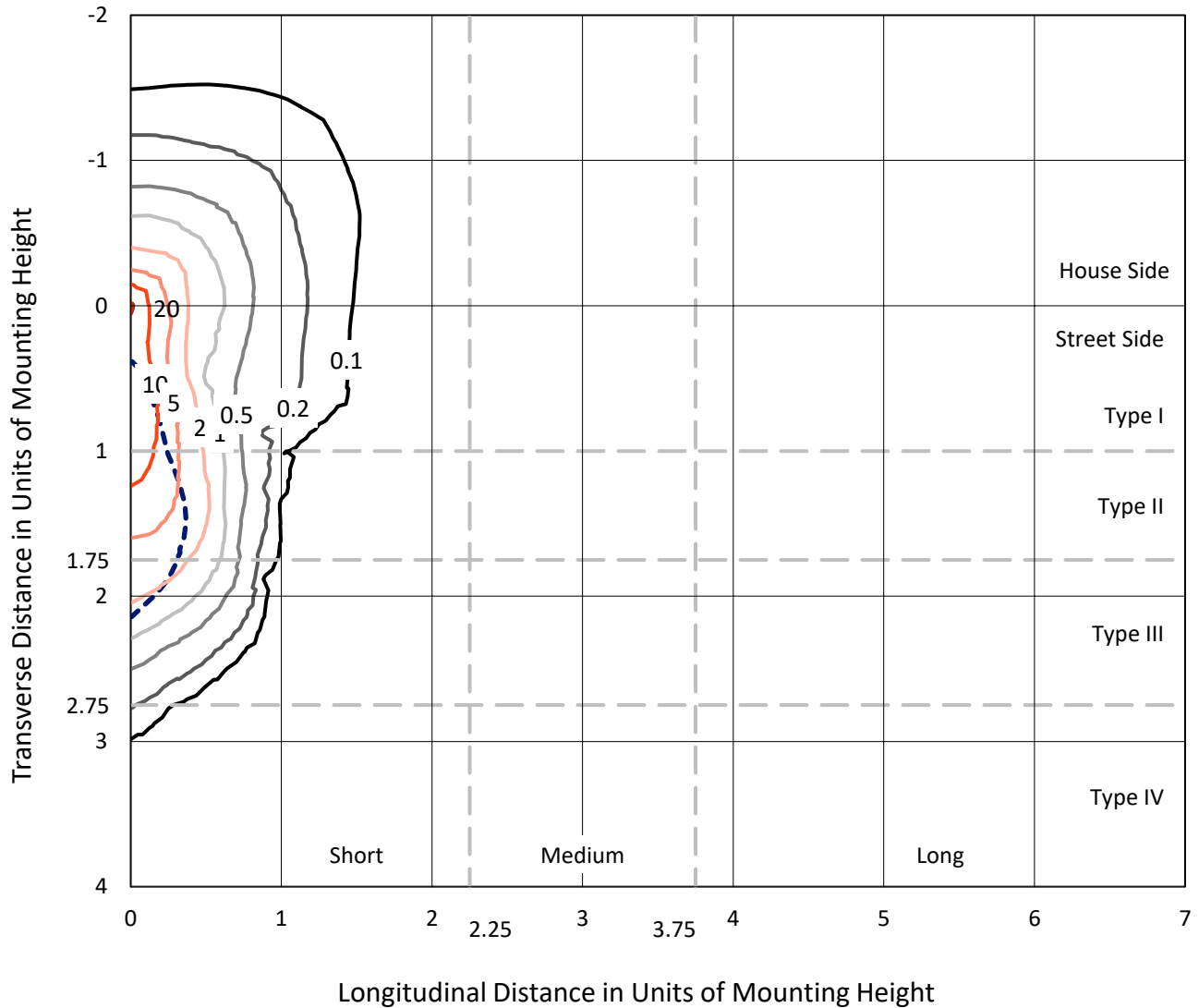
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533073
 CATALOG NUMBER: GLAN-SA8C-727-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

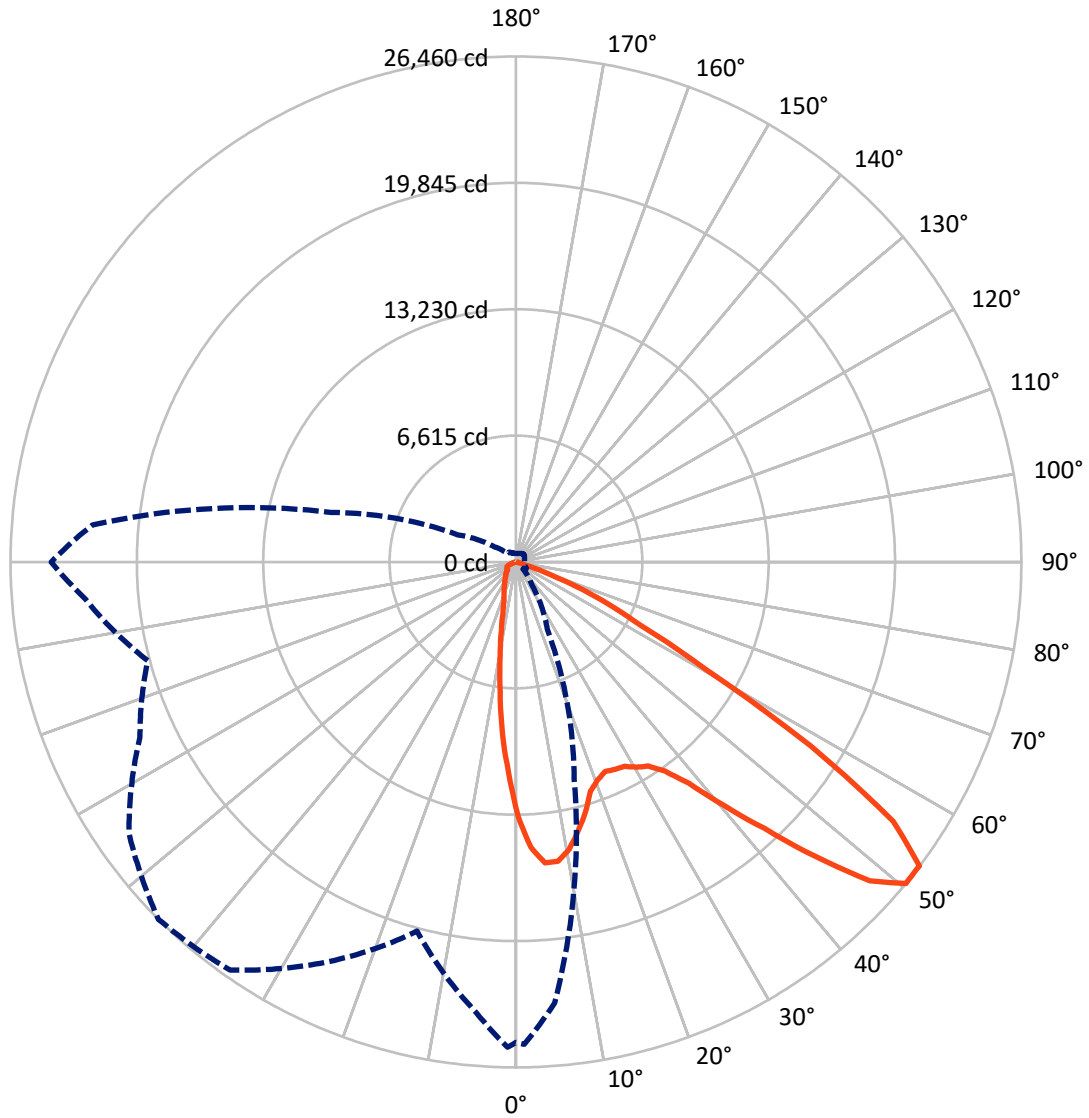
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.3 fc
 Type III - Short - N/A

REPORT NUMBER: P533073
CATALOG NUMBER: GLAN-SA8C-727-U-SLR-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P533073
 CATALOG NUMBER: GLAN-SA8C-727-U-SLR-GRSBK

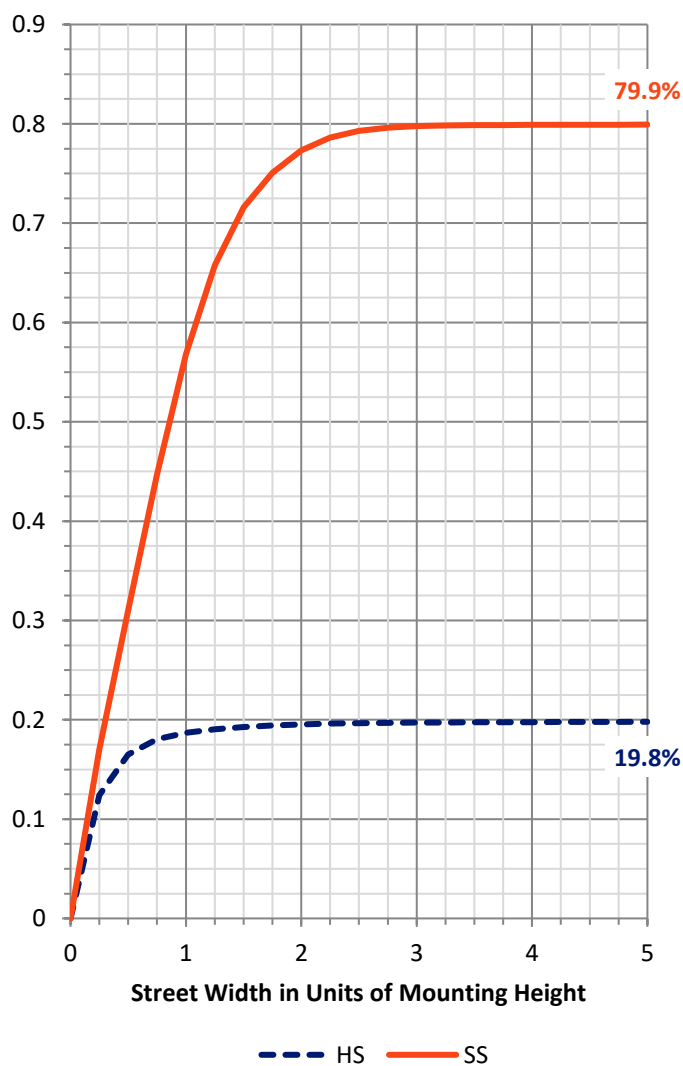
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5257.3	0.0	5257.3
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	20989.7	0.0	20989.7
	% Fixture	80.0	0.0	80.0
Total	Lumens	26247.0	0.0	26247.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	970.2	3.7
10°-20°	1928.2	7.3
20°-30°	2896.8	11.0
30°-40°	4348.0	16.6
40°-50°	6110.8	23.3
50°-60°	6591.6	25.1
60°-70°	3060.4	11.7
70°-80°	287.9	1.1
80°-90°	53.1	0.2
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°	26247.0	100.0
0°-180°	26247.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533073

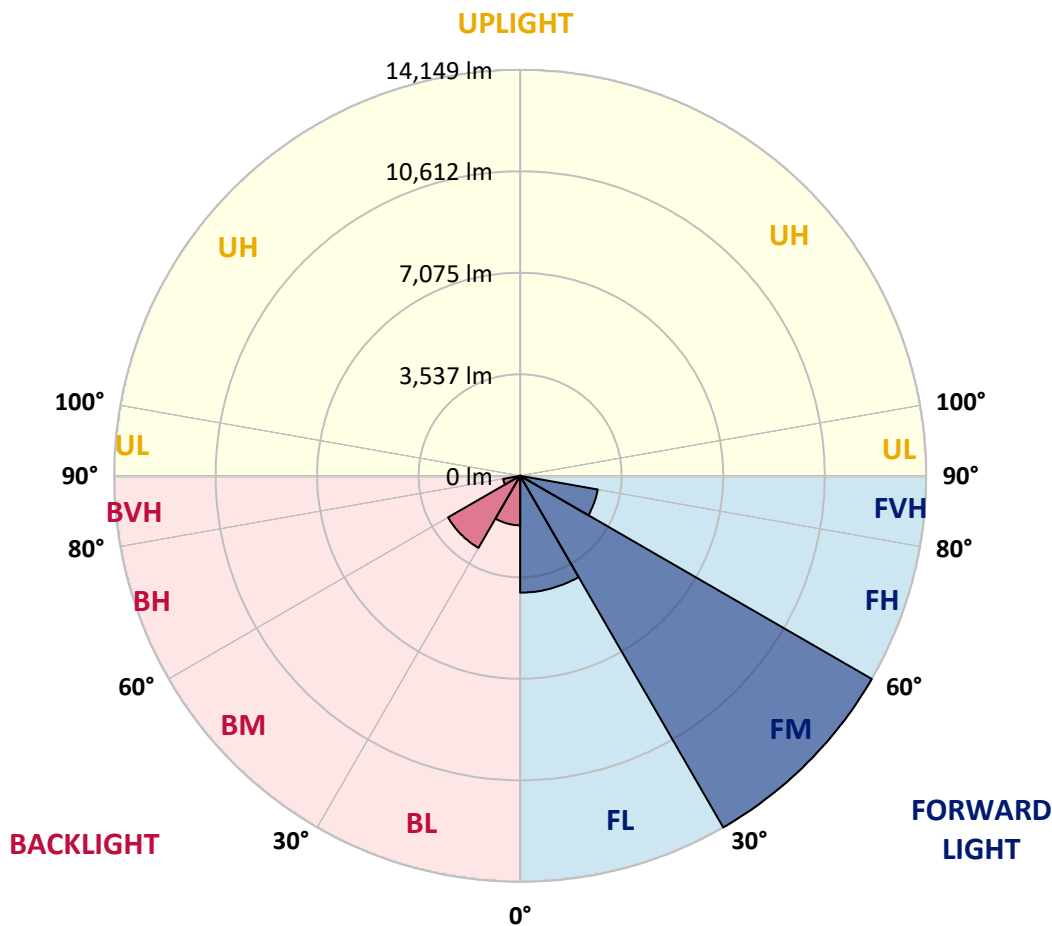
CATALOG NUMBER: GLAN-SA8C-727-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4072.0	15.5			
FM (30°-60°)	14149.1	53.9			
FH (60°-80°)	2744.7	10.5			G2/5000
FVH (80°-90°)	23.9	0.1			G1/100
BL (0°-30°)	1723.2	6.6	B3/2500		
BM (30°-60°)	2901.2	11.1	B3/5000		
BH (60°-80°)	603.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	29.2	0.1			G1/100
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





REPORT NUMBER: P533073

CATALOG NUMBER: GLAN-SA8C-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5
2.5°	13836.5	13623.0	13352.2	13128.3	12795.0	12123.2	11940.9	11722.2	11540.0	11295.2	10951.5
5°	12581.5	12513.8	12388.8	11545.2	10935.9	10123.5	9456.9	9175.7	8806.0	8504.0	8285.2
7.5°	11623.3	11352.5	10956.7	10107.9	9134.1	8264.4	7524.9	7092.7	6603.2	6436.6	6139.7
10°	10597.4	10659.9	10076.6	8884.1	7707.2	7004.2	6545.9	6129.3	5686.7	5395.0	4973.2
12.5°	10269.3	10066.2	9618.4	8144.6	7139.6	6483.4	5926.2	5410.7	4942.0	4473.3	4067.1
15°	10482.8	10170.4	9545.5	7988.4	6702.1	5884.5	5186.7	4488.9	4056.7	3457.8	3036.0
17.5°	11248.3	10998.4	10160.0	8155.0	6478.2	5311.7	4275.4	3556.8	2895.4	2353.8	2140.3
20°	12524.2	12170.1	11118.2	8368.6	6144.9	4619.1	3468.2	2583.0	1958.0	1728.9	1609.1
22.5°	13774.0	13581.3	12253.4	8780.0	5848.1	4004.6	2603.8	1739.3	1463.3	1421.7	1343.6
25°	16153.9	15575.8	13987.5	9524.6	5619.0	3426.6	1963.3	1400.8	1239.4	1208.2	1218.6
27.5°	17570.3	17086.0	15591.5	10019.4	5363.8	2983.9	1661.2	1286.3	1176.9	1109.2	1083.2
30°	18929.5	18367.1	16388.2	10311.0	4817.0	2515.3	1473.7	1234.2	1208.2	1109.2	1078.0
32.5°	19976.2	19424.2	17539.1	10748.4	4593.1	2213.2	1213.4	963.4	895.7	885.3	979.0
35°	21580.2	20991.7	18523.3	10988.0	4421.2	2057.0	1051.9	859.2	781.1	749.9	755.1
37.5°	23074.7	22673.7	19434.6	11081.7	4239.0	2010.1	942.6	770.7	703.0	682.2	677.0
40°	24324.5	23428.8	20299.1	11180.6	4160.8	1921.6	874.9	703.0	656.2	624.9	624.9
42.5°	24897.4	23986.0	21267.7	11123.4	4140.0	1781.0	874.9	645.7	609.3	578.0	572.8
45°	24772.4	24402.7	21699.9	11097.3	4140.0	1640.4	796.8	630.1	578.0	536.4	526.0
47.5°	25095.3	24611.0	22241.5	11206.7	4056.7	1541.4	671.8	661.4	546.8	494.7	484.3
50°	25152.5	25246.3	23184.1	11774.3	3874.4	1416.5	526.0	650.9	526.0	447.9	437.4
52°	25527.5	24944.2	23470.5	12076.3	3681.7	1322.7	442.6	557.2	505.1	416.6	406.2
52.5°	25011.9	25392.1	23538.2	12185.7	3702.6	1260.2	427.0	546.8	494.7	416.6	390.6
55°	24433.9	24798.4	23262.2	12420.0	3395.3	989.4	333.3	395.8	447.9	364.5	348.9
57.5°	21236.5	21606.2	20215.8	11373.3	2765.2	697.8	276.0	296.8	395.8	338.5	322.9
60°	18877.4	18611.8	16966.2	9488.2	1963.3	390.6	218.7	229.1	432.2	312.5	307.2
62.5°	17252.7	16685.0	14180.2	7327.0	1197.7	260.4	171.8	177.1	333.3	291.6	291.6
65°	12763.7	12128.4	9420.5	4431.6	588.5	182.3	130.2	140.6	208.3	250.0	250.0
67.5°	7285.4	7040.6	4551.4	1999.7	244.8	114.6	98.9	109.4	161.4	203.1	192.7
70°	3348.5	3004.8	1749.7	421.8	114.6	78.1	78.1	88.5	130.2	151.0	140.6
72.5°	979.0	926.9	427.0	67.7	46.9	46.9	52.1	67.7	98.9	114.6	104.2
75°	72.9	46.9	31.2	20.8	20.8	31.2	41.7	67.7	98.9	109.4	88.5
77.5°	5.2	10.4	5.2	5.2	15.6	31.2	46.9	83.3	130.2	135.4	98.9
80°	5.2	5.2	0.0	5.2	15.6	31.2	52.1	93.7	145.8	156.2	83.3
82.5°	0.0	0.0	0.0	5.2	20.8	41.7	62.5	98.9	135.4	166.6	88.5
85°	0.0	0.0	0.0	5.2	31.2	57.3	72.9	26.0	15.6	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: P533073

CATALOG NUMBER: GLAN-SA8C-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5
2.5°	11196.3	11060.9	11008.8	11055.7	11040.0	11024.4	11310.8	11248.3	11237.9	11331.7	11310.8
5°	8405.0	8165.5	8821.6	8556.0	8832.0	8998.7	9029.9	9045.5	9238.2	9035.1	9300.7
7.5°	5988.7	6051.2	6046.0	6223.0	6540.7	6821.9	6988.6	6858.4	6847.9	6821.9	6707.3
10°	4785.8	4676.4	4655.6	4613.9	4712.8	4952.4	5155.5	4994.1	4879.5	5035.7	4988.8
12.5°	3910.9	3759.9	3676.5	3509.9	3515.1	3676.5	3676.5	3676.5	3791.1	3879.6	3947.3
15°	2999.6	2874.6	2874.6	2707.9	2671.5	2676.7	2760.0	2770.4	2952.7	3004.8	3030.8
17.5°	2098.6	2031.0	2109.1	2176.8	2135.1	2145.5	2176.8	2187.2	2213.2	2192.4	2244.5
20°	1614.3	1603.9	1624.8	1744.5	1833.1	1885.1	1848.7	1796.6	1765.4	1692.5	1692.5
22.5°	1369.6	1390.4	1426.9	1525.8	1640.4	1671.6	1630.0	1510.2	1416.5	1406.0	1411.3
25°	1218.6	1239.4	1296.7	1359.2	1421.7	1473.7	1432.1	1343.6	1291.5	1244.6	1244.6
27.5°	1124.8	1135.2	1166.5	1213.4	1265.4	1307.1	1291.5	1244.6	1187.3	1166.5	1119.6
30°	1051.9	1067.6	1104.0	1114.4	1161.3	1182.1	1156.1	1145.7	1109.2	1083.2	1067.6
32.5°	1015.5	1010.3	1036.3	1046.7	1051.9	1067.6	1036.3	1051.9	1046.7	1005.1	989.4
35°	765.5	807.2	874.9	932.2	947.8	968.6	963.4	942.6	885.3	838.4	781.1
37.5°	687.4	713.4	749.9	796.8	859.2	885.3	874.9	822.8	755.1	723.9	713.4
40°	635.3	650.9	682.2	713.4	775.9	822.8	786.3	739.5	687.4	661.4	645.7
42.5°	588.5	593.7	609.3	640.5	687.4	760.3	697.8	635.3	614.5	598.9	588.5
45°	536.4	536.4	557.2	572.8	624.9	692.6	630.1	572.8	562.4	552.0	546.8
47.5°	494.7	499.9	510.3	531.2	572.8	619.7	578.0	531.2	505.1	499.9	489.5
50°	442.6	447.9	468.7	489.5	541.6	567.6	541.6	489.5	463.5	447.9	447.9
52°	401.0	416.6	437.4	479.1	515.5	557.2	526.0	468.7	437.4	421.8	411.4
52.5°	395.8	406.2	427.0	473.9	515.5	552.0	520.8	463.5	427.0	416.6	406.2
55°	354.1	369.7	406.2	463.5	510.3	552.0	510.3	458.3	406.2	380.2	369.7
57.5°	338.5	348.9	395.8	468.7	505.1	552.0	510.3	458.3	406.2	359.3	348.9
60°	322.9	343.7	395.8	453.1	499.9	557.2	515.5	453.1	395.8	338.5	338.5
62.5°	307.2	322.9	390.6	442.6	479.1	536.4	494.7	442.6	380.2	322.9	317.7
65°	265.6	291.6	343.7	369.7	411.4	463.5	421.8	385.4	333.3	286.4	281.2
67.5°	203.1	213.5	255.2	286.4	312.5	359.3	338.5	291.6	255.2	218.7	218.7
70°	140.6	151.0	182.3	197.9	223.9	250.0	234.3	197.9	171.8	151.0	145.8
72.5°	98.9	104.2	114.6	125.0	135.4	145.8	140.6	114.6	98.9	93.7	88.5
75°	78.1	88.5	93.7	88.5	83.3	78.1	78.1	67.7	57.3	52.1	52.1
77.5°	78.1	83.3	78.1	67.7	57.3	52.1	46.9	41.7	31.2	26.0	31.2
80°	67.7	67.7	67.7	57.3	52.1	46.9	41.7	36.5	31.2	26.0	26.0
82.5°	72.9	72.9	67.7	57.3	57.3	46.9	46.9	41.7	36.5	26.0	26.0
85°	0.0	0.0	0.0	10.4	26.0	46.9	46.9	41.7	36.5	31.2	31.2
87.5°	0.0	0.0	0.0	0.0	5.2	10.4	20.8	26.0	31.2	31.2	31.2
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: P533073

CATALOG NUMBER: GLAN-SA8C-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5
2.5°	11498.3	11696.2	12071.1	12446.1	12675.2	12946.0	13435.5	13695.9	14034.4	14201.0	14529.1
5°	9264.3	9732.9	9899.6	10326.6	10784.9	11243.1	11972.2	12774.2	13440.7	13899.0	14492.7
7.5°	6759.4	6868.8	7514.5	7800.9	8550.8	9384.0	10378.7	11388.9	12232.6	12982.5	13435.5
10°	5067.0	5467.9	5874.1	6420.9	7025.0	7884.3	8837.2	9951.7	11045.2	11795.1	12368.0
12.5°	4072.3	4390.0	4931.6	5520.0	6264.7	6832.3	7790.5	8894.5	10311.0	11045.2	11800.3
15°	3082.9	3489.1	4103.6	4712.8	5499.2	6098.1	7066.7	8457.1	10279.7	11290.0	11940.9
17.5°	2286.1	2562.1	3114.1	3796.3	4598.3	5441.9	6749.0	8410.2	10628.6	11831.6	12503.4
20°	1749.7	1843.5	2192.4	2801.7	3671.3	4775.3	6233.5	8613.3	11659.7	13149.1	13831.3
22.5°	1416.5	1458.1	1593.5	2015.3	2859.0	4192.1	5988.7	8753.9	12821.0	14727.0	15638.3
25°	1234.2	1223.8	1312.3	1494.6	2234.0	3645.3	5676.2	9285.1	14242.7	16580.9	17398.5
27.5°	1124.8	1124.8	1166.5	1296.7	1853.9	3291.2	5478.4	9665.2	15674.8	18210.9	18653.5
30°	1067.6	1078.0	1197.7	1239.4	1541.4	2869.4	5150.3	10050.6	17044.4	19252.4	19861.7
32.5°	989.4	947.8	921.7	1025.9	1296.7	2489.2	4822.2	10212.0	18153.6	20528.2	21049.0
35°	760.3	739.5	770.7	848.8	1114.4	2166.3	4457.7	10394.3	19429.4	22007.2	22111.3
37.5°	687.4	682.2	703.0	770.7	937.4	1885.1	4197.3	10347.4	20403.2	23230.9	22949.7
40°	635.3	635.3	650.9	708.2	838.4	1687.3	3926.5	10305.8	21345.8	24605.7	23783.0
42.5°	593.7	593.7	619.7	656.2	796.8	1557.1	3723.4	10248.5	22137.4	25449.4	24272.5
45°	536.4	552.0	593.7	630.1	807.2	1468.5	3572.4	10029.8	22408.2	25439.0	24038.1
47.5°	494.7	515.5	557.2	609.3	729.1	1442.5	3468.2	9837.1	22314.4	24814.0	23303.9
50°	447.9	473.9	531.2	619.7	619.7	1390.4	3358.9	10008.9	22246.7	24329.7	22600.8
52°	416.6	437.4	510.3	604.1	541.6	1281.1	3291.2	10342.2	22522.7	24267.3	22288.4
52.5°	411.4	427.0	494.7	593.7	515.5	1260.2	3244.3	10420.3	22611.2	24111.0	22501.9
55°	364.5	385.4	453.1	463.5	421.8	1036.3	3093.3	10597.4	22173.8	23803.8	22298.8
57.5°	343.7	354.1	401.0	380.2	364.5	781.1	2661.1	10321.4	19695.0	21142.7	20746.9
60°	317.7	328.1	374.9	296.8	307.2	546.8	1999.7	8962.2	15815.4	17617.2	18330.6
62.5°	307.2	302.0	354.1	239.5	260.4	395.8	1411.3	7285.4	12185.7	14503.1	15737.3
65°	270.8	265.6	255.2	203.1	223.9	307.2	843.6	4754.5	8587.3	10972.3	11649.3
67.5°	208.3	218.7	187.5	161.4	187.5	239.5	468.7	2129.9	4504.5	6582.4	7129.2
70°	145.8	156.2	151.0	140.6	166.6	197.9	270.8	729.1	1864.3	3457.8	3811.9
72.5°	88.5	109.4	114.6	119.8	145.8	171.8	192.7	234.3	494.7	1223.8	1520.6
75°	52.1	72.9	88.5	104.2	119.8	145.8	161.4	166.6	171.8	229.1	369.7
77.5°	36.5	52.1	78.1	98.9	119.8	145.8	171.8	182.3	171.8	161.4	171.8
80°	31.2	52.1	72.9	93.7	125.0	151.0	171.8	171.8	166.6	145.8	156.2
82.5°	31.2	52.1	78.1	98.9	119.8	145.8	166.6	171.8	156.2	145.8	151.0
85°	36.5	57.3	83.3	104.2	130.2	119.8	109.4	88.5	83.3	67.7	72.9
87.5°	36.5	52.1	52.1	57.3	62.5	62.5	62.5	57.3	46.9	41.7	41.7
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: P533073

CATALOG NUMBER: GLAN-SA8C-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5	13310.5
2.5°	14544.7	14961.3	14945.7	14956.1	14893.6	14471.8	14268.7	13753.2	13899.0	13836.5
5°	15101.9	15513.3	15867.5	15825.8	15346.7	14773.9	13925.0	13123.1	12904.3	12581.5
7.5°	14544.7	15534.2	15862.2	15815.4	15107.1	14372.9	13018.9	12216.9	11836.8	11623.3
10°	13659.4	14805.1	15211.3	15294.6	14815.5	13701.1	12456.5	11170.2	10967.1	10597.4
12.5°	13154.3	13987.5	14237.5	14461.4	14294.8	13461.6	12029.5	10795.3	10514.1	10269.3
15°	12742.9	13237.6	13341.8	13597.0	13695.9	13248.0	12253.4	11201.5	10508.9	10482.8
17.5°	13123.1	12920.0	12539.8	12617.9	12930.4	13253.3	12831.4	12003.4	11331.7	11248.3
20°	13753.2	12857.5	11998.2	12190.9	12451.3	13440.7	13706.3	13123.1	12737.7	12524.2
22.5°	14477.0	12966.8	11826.4	11920.1	12414.8	13862.5	15122.8	14799.9	14081.3	13774.0
25°	15815.4	13268.9	11961.8	12024.3	12701.3	14451.0	16403.8	16643.4	16216.4	16153.9
27.5°	17122.5	14050.0	12258.6	12118.0	12847.1	15023.8	17179.8	18466.0	17716.1	17570.3
30°	17789.0	14685.3	12701.3	12461.7	13451.1	15372.7	17648.4	19653.4	18997.2	18929.5
32.5°	18809.7	15263.4	13045.0	12737.7	13789.6	15805.0	18523.3	20950.0	20314.7	19976.2
35°	19236.7	15893.5	13800.0	13440.7	14758.2	16409.0	18971.2	22106.1	21908.2	21580.2
37.5°	20059.5	16570.5	14690.5	14669.7	15929.9	17195.4	19778.3	23678.8	23642.3	23074.7
40°	20127.2	17309.9	16096.6	16752.7	17742.2	18565.0	20486.6	24116.2	24709.9	24324.5
42.5°	20231.4	18606.6	18528.5	19070.1	19918.9	19741.9	20512.6	24220.4	25126.5	24897.4
45°	20278.3	19903.3	21002.1	22002.0	22356.1	21283.3	20267.8	24022.5	25345.2	24772.4
47.5°	19903.3	21017.7	23001.8	24933.8	25038.0	22231.1	20163.7	23819.4	25475.4	25095.3
50°	19955.4	21715.5	24730.7	26459.6	26079.5	23069.5	20002.3	23694.4	25407.7	25152.5
52°	19830.4	21731.2	24975.5	26428.4	26162.8	22606.0	19726.3	23215.3	25345.2	25527.5
52.5°	19971.0	21637.4	24720.3	26449.2	26105.5	22835.2	19689.8	23480.9	25381.7	25011.9
55°	19486.7	20523.0	23225.7	23960.0	23907.9	20726.1	18570.2	22600.8	24428.7	24433.9
57.5°	17612.0	17789.0	18216.1	18200.4	17960.9	16294.5	15883.1	20783.4	21778.0	21236.5
60°	15518.5	13024.1	11873.2	11404.6	11139.0	10868.2	14050.0	19012.8	19106.6	18877.4
62.5°	13409.5	9029.9	7498.9	7368.7	7431.2	8420.6	13581.3	18309.8	17747.4	17252.7
65°	10821.3	6582.4	5447.1	5275.3	5884.5	6952.1	10993.2	14039.6	13175.1	12763.7
67.5°	6795.9	4801.4	3681.7	3358.9	4093.1	4785.8	7222.9	8821.6	7853.0	7285.4
70°	4030.7	2681.9	1666.4	1494.6	1682.0	2551.7	4046.3	4400.4	3640.1	3348.5
72.5°	1588.3	984.2	463.5	395.8	411.4	895.7	1489.4	1452.9	1098.8	979.0
75°	427.0	296.8	161.4	130.2	109.4	166.6	239.5	156.2	57.3	72.9
77.5°	197.9	177.1	140.6	109.4	83.3	62.5	31.2	10.4	10.4	5.2
80°	171.8	151.0	130.2	109.4	83.3	52.1	26.0	5.2	5.2	5.2
82.5°	161.4	140.6	119.8	98.9	78.1	52.1	26.0	5.2	0.0	0.0
85°	67.7	88.5	98.9	93.7	83.3	52.1	26.0	5.2	0.0	0.0
87.5°	36.5	31.2	26.0	20.8	15.6	10.4	10.4	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

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