

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: P528601

Luminaire Tested: **GLAN-SA3D-722-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528601
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-SA3D-722-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2200K, 1200mA 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: 9385 lumens
Efficiency: N/A
Efficacy: 51.0 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): 184
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



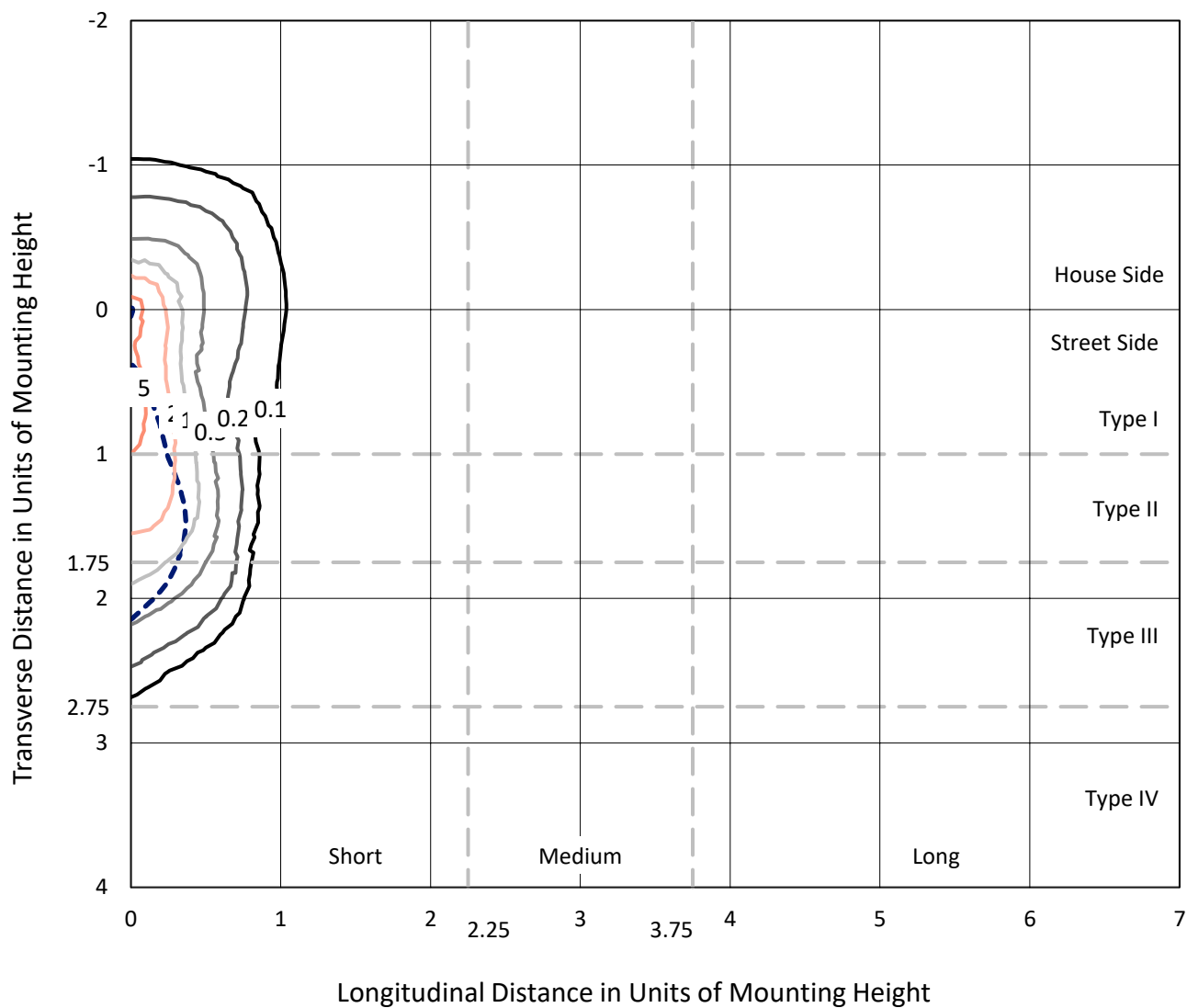
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



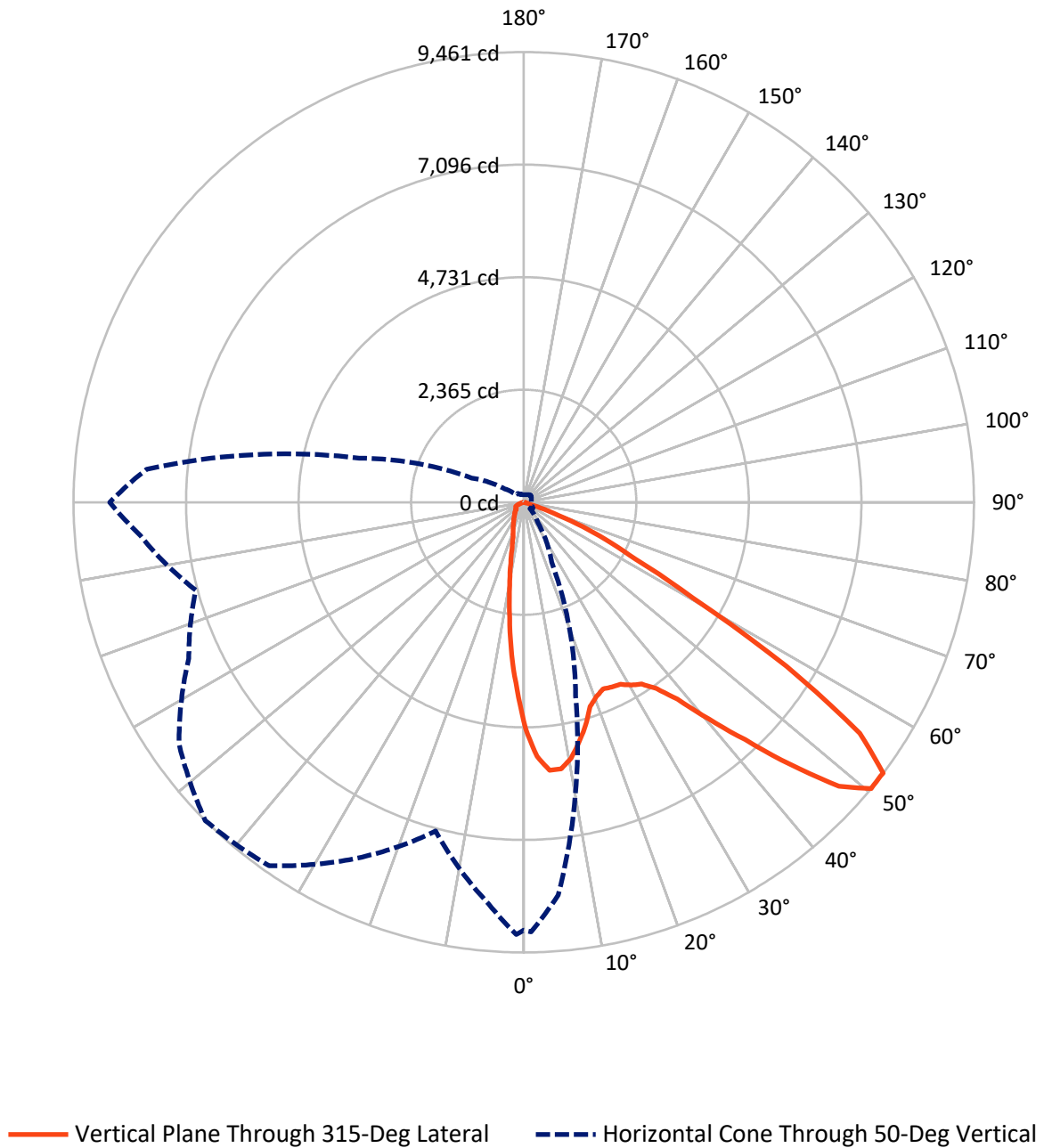
Based on 25 foot mounting height. Maximum calculated value = 7.6 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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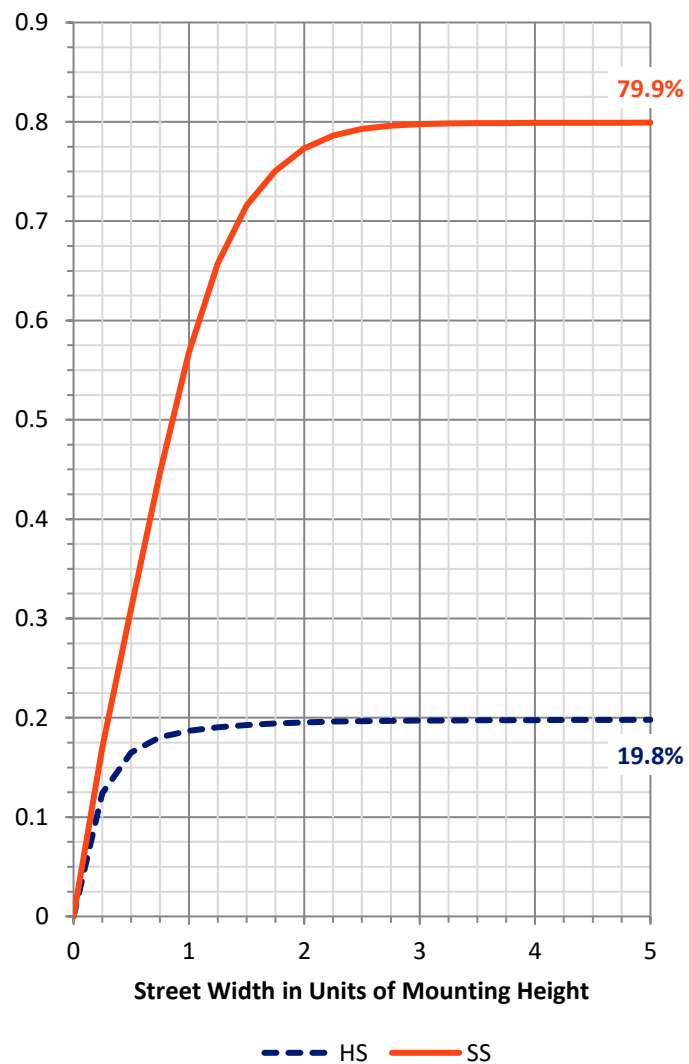
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1879.8	0.0	1879.8
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	7505.2	0.0	7505.2
	% Fixture	80.0	0.0	80.0
Total	Lumens	9385.0	0.0	9385.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.9	3.7
10°-20°	689.5	7.3
20°-30°	1035.8	11.0
30°-40°	1554.7	16.6
40°-50°	2185.0	23.3
50°-60°	2356.9	25.1
60°-70°	1094.3	11.7
70°-80°	103.0	1.1
80°-90°	19.0	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°	9385.0	100.0
0°-180°	9385.0	100.0

Coefficient of Utilization



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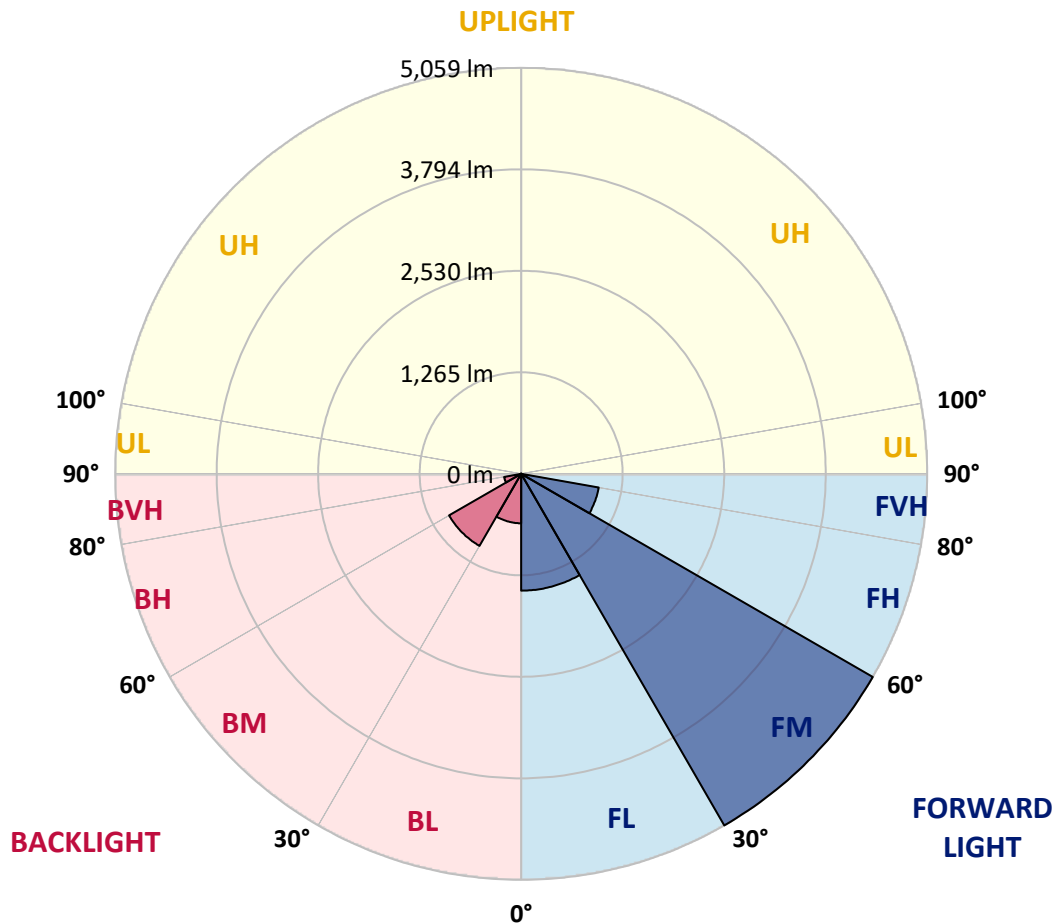
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1456.0	15.5			
FM	(30°-60°)	5059.2	53.9			
FH	(60°-80°)	981.4	10.5			G1/1800
FVH	(80°-90°)	8.5	0.1			G0/10
BL	(0°-30°)	616.2	6.6	B2/1000		
BM	(30°-60°)	1037.4	11.1	B2/2500		
BH	(60°-80°)	215.9	2.3	B1/500		G1/500
BVH	(80°-90°)	10.4	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4
2.5°	4947.4	4871.1	4774.3	4694.2	4575.0	4334.8	4269.7	4191.5	4126.3	4038.8	3915.9
5°	4498.7	4474.5	4429.8	4128.1	3910.3	3619.8	3381.5	3280.9	3148.7	3040.7	2962.5
7.5°	4156.1	4059.3	3917.7	3614.2	3266.0	2955.1	2690.6	2536.1	2361.1	2301.5	2195.3
10°	3789.3	3811.6	3603.1	3176.6	2755.8	2504.4	2340.6	2191.6	2033.3	1929.1	1778.2
12.5°	3671.9	3599.3	3439.2	2912.2	2552.9	2318.2	2119.0	1934.7	1767.1	1599.5	1454.3
15°	3748.3	3636.6	3413.1	2856.4	2396.4	2104.1	1854.6	1605.1	1450.5	1236.4	1085.6
17.5°	4022.0	3932.6	3632.8	2916.0	2316.4	1899.3	1528.7	1271.8	1035.3	841.6	765.3
20°	4478.2	4351.6	3975.5	2992.3	2197.2	1651.6	1240.1	923.6	700.1	618.2	575.4
22.5°	4925.1	4856.2	4381.4	3139.4	2091.1	1431.9	931.0	621.9	523.2	508.3	480.4
25°	5776.1	5569.4	5001.4	3405.7	2009.1	1225.2	702.0	500.9	443.2	432.0	435.7
27.5°	6282.5	6109.4	5575.0	3582.6	1917.9	1066.9	594.0	459.9	420.8	396.6	387.3
30°	6768.5	6567.4	5859.8	3686.8	1722.4	899.4	527.0	441.3	432.0	396.6	385.4
32.5°	7142.8	6945.4	6271.4	3843.3	1642.3	791.4	433.9	344.5	320.3	316.5	350.1
35°	7716.3	7505.9	6623.3	3928.9	1580.9	735.5	376.1	307.2	279.3	268.1	270.0
37.5°	8250.7	8107.3	6949.1	3962.4	1515.7	718.7	337.0	275.6	251.4	243.9	242.1
40°	8697.6	8377.3	7258.2	3997.8	1487.8	687.1	312.8	251.4	234.6	223.4	223.4
42.5°	8902.4	8576.6	7604.6	3977.3	1480.3	636.8	312.8	230.9	217.9	206.7	204.8
45°	8857.7	8725.5	7759.1	3968.0	1480.3	586.5	284.9	225.3	206.7	191.8	188.1
47.5°	8973.2	8800.0	7952.8	4007.1	1450.5	551.2	240.2	236.5	195.5	176.9	173.2
50°	8993.7	9027.2	8289.8	4210.1	1385.4	506.5	188.1	232.8	188.1	160.1	156.4
52°	9127.7	8919.2	8392.2	4318.1	1316.5	473.0	158.3	199.2	180.6	149.0	145.2
52.5°	8943.4	9079.3	8416.4	4357.2	1323.9	450.6	152.7	195.5	176.9	149.0	139.7
55°	8736.7	8867.0	8317.7	4441.0	1214.1	353.8	119.2	141.5	160.1	130.3	124.8
57.5°	7593.4	7725.6	7228.4	4066.7	988.7	249.5	98.7	106.1	141.5	121.0	115.4
60°	6749.9	6654.9	6066.5	3392.6	702.0	139.7	78.2	81.9	154.5	111.7	109.9
62.5°	6168.9	5966.0	5070.3	2619.9	428.3	93.1	61.4	63.3	119.2	104.3	104.3
65°	4563.9	4336.7	3368.4	1584.6	210.4	65.2	46.6	50.3	74.5	89.4	89.4
67.5°	2605.0	2517.5	1627.4	715.0	87.5	41.0	35.4	39.1	57.7	72.6	68.9
70°	1197.3	1074.4	625.6	150.8	41.0	27.9	27.9	31.7	46.6	54.0	50.3
72.5°	350.1	331.4	152.7	24.2	16.8	16.8	18.6	24.2	35.4	41.0	37.2
75°	26.1	16.8	11.2	7.4	7.4	11.2	14.9	24.2	35.4	39.1	31.7
77.5°	1.9	3.7	1.9	1.9	5.6	11.2	16.8	29.8	46.6	48.4	35.4
80°	1.9	1.9	0.0	1.9	5.6	11.2	18.6	33.5	52.1	55.9	29.8
82.5°	0.0	0.0	0.0	1.9	7.4	14.9	22.3	35.4	48.4	59.6	31.7
85°	0.0	0.0	0.0	1.9	11.2	20.5	26.1	9.3	5.6	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4
2.5°	4003.4	3955.0	3936.4	3953.1	3947.5	3941.9	4044.4	4022.0	4018.3	4051.8	4044.4
5°	3005.3	2919.7	3154.3	3059.3	3158.0	3217.6	3228.8	3234.4	3303.3	3230.6	3325.6
7.5°	2141.3	2163.7	2161.8	2225.1	2338.7	2439.3	2498.9	2452.3	2448.6	2439.3	2398.3
10°	1711.2	1672.1	1664.7	1649.8	1685.1	1770.8	1843.4	1785.7	1744.7	1800.6	1783.8
12.5°	1398.4	1344.4	1314.6	1255.0	1256.9	1314.6	1314.6	1314.6	1355.6	1387.2	1411.4
15°	1072.5	1027.8	1027.8	968.3	955.2	957.1	986.9	990.6	1055.8	1074.4	1083.7
17.5°	750.4	726.2	754.1	778.3	763.4	767.2	778.3	782.1	791.4	783.9	802.5
20°	577.2	573.5	581.0	623.8	655.4	674.1	661.0	642.4	631.2	605.2	605.2
22.5°	489.7	497.2	510.2	545.6	586.5	597.7	582.8	540.0	506.5	502.8	504.6
25°	435.7	443.2	463.6	486.0	508.3	527.0	512.1	480.4	461.8	445.0	445.0
27.5°	402.2	405.9	417.1	433.9	452.5	467.4	461.8	445.0	424.5	417.1	400.3
30°	376.1	381.7	394.8	398.5	415.2	422.7	413.4	409.6	396.6	387.3	381.7
32.5°	363.1	361.2	370.5	374.3	376.1	381.7	370.5	376.1	374.3	359.4	353.8
35°	273.7	288.6	312.8	333.3	338.9	346.3	344.5	337.0	316.5	299.8	279.3
37.5°	245.8	255.1	268.1	284.9	307.2	316.5	312.8	294.2	270.0	258.8	255.1
40°	227.2	232.8	243.9	255.1	277.4	294.2	281.2	264.4	245.8	236.5	230.9
42.5°	210.4	212.3	217.9	229.0	245.8	271.9	249.5	227.2	219.7	214.1	210.4
45°	191.8	191.8	199.2	204.8	223.4	247.7	225.3	204.8	201.1	197.4	195.5
47.5°	176.9	178.8	182.5	189.9	204.8	221.6	206.7	189.9	180.6	178.8	175.0
50°	158.3	160.1	167.6	175.0	193.7	203.0	193.7	175.0	165.7	160.1	160.1
52°	143.4	149.0	156.4	171.3	184.3	199.2	188.1	167.6	156.4	150.8	147.1
52.5°	141.5	145.2	152.7	169.4	184.3	197.4	186.2	165.7	152.7	149.0	145.2
55°	126.6	132.2	145.2	165.7	182.5	197.4	182.5	163.9	145.2	135.9	132.2
57.5°	121.0	124.8	141.5	167.6	180.6	197.4	182.5	163.9	145.2	128.5	124.8
60°	115.4	122.9	141.5	162.0	178.8	199.2	184.3	162.0	141.5	121.0	121.0
62.5°	109.9	115.4	139.7	158.3	171.3	191.8	176.9	158.3	135.9	115.4	113.6
65°	95.0	104.3	122.9	132.2	147.1	165.7	150.8	137.8	119.2	102.4	100.6
67.5°	72.6	76.3	91.2	102.4	111.7	128.5	121.0	104.3	91.2	78.2	78.2
70°	50.3	54.0	65.2	70.8	80.1	89.4	83.8	70.8	61.4	54.0	52.1
72.5°	35.4	37.2	41.0	44.7	48.4	52.1	50.3	41.0	35.4	33.5	31.7
75°	27.9	31.7	33.5	31.7	29.8	27.9	27.9	24.2	20.5	18.6	18.6
77.5°	27.9	29.8	27.9	24.2	20.5	18.6	16.8	14.9	11.2	9.3	11.2
80°	24.2	24.2	24.2	20.5	18.6	16.8	14.9	13.0	11.2	9.3	9.3
82.5°	26.1	26.1	24.2	20.5	20.5	16.8	16.8	14.9	13.0	9.3	9.3
85°	0.0	0.0	0.0	3.7	9.3	16.8	16.8	14.9	13.0	11.2	11.2
87.5°	0.0	0.0	0.0	0.0	1.9	3.7	7.4	9.3	11.2	11.2	11.2
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°	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4
2.5°	4111.4	4182.1	4316.2	4450.3	4532.2	4629.0	4804.1	4897.2	5018.2	5077.8	5195.1
5°	3312.6	3480.2	3539.7	3692.4	3856.3	4020.1	4280.8	4567.6	4805.9	4969.8	5182.1
7.5°	2416.9	2456.0	2686.9	2789.3	3057.5	3355.4	3711.0	4072.3	4373.9	4642.1	4804.1
10°	1811.8	1955.1	2100.4	2295.9	2511.9	2819.1	3159.9	3558.4	3949.4	4217.5	4422.3
12.5°	1456.1	1569.7	1763.4	1973.8	2240.0	2443.0	2785.6	3180.4	3686.8	3949.4	4219.4
15°	1102.3	1247.6	1467.3	1685.1	1966.3	2180.5	2526.8	3024.0	3675.7	4036.9	4269.7
17.5°	817.4	916.1	1113.5	1357.4	1644.2	1945.8	2413.2	3007.2	3800.4	4230.6	4470.8
20°	625.6	659.2	783.9	1001.8	1312.7	1707.5	2228.9	3079.8	4169.1	4701.7	4945.6
22.5°	506.5	521.4	569.8	720.6	1022.3	1498.9	2141.3	3130.1	4584.3	5265.9	5591.7
25°	441.3	437.6	469.2	534.4	798.8	1303.4	2029.6	3320.0	5092.7	5928.7	6221.1
27.5°	402.2	402.2	417.1	463.6	662.9	1176.8	1958.9	3455.9	5604.7	6511.6	6669.8
30°	381.7	385.4	428.3	443.2	551.2	1026.0	1841.6	3593.7	6094.5	6884.0	7101.8
32.5°	353.8	338.9	329.6	366.8	463.6	890.1	1724.3	3651.5	6491.1	7340.2	7526.4
35°	271.9	264.4	275.6	303.5	398.5	774.6	1593.9	3716.6	6947.3	7869.0	7906.2
37.5°	245.8	243.9	251.4	275.6	335.2	674.1	1500.8	3699.9	7295.5	8306.6	8206.0
40°	227.2	227.2	232.8	253.2	299.8	603.3	1404.0	3685.0	7632.5	8798.1	8503.9
42.5°	212.3	212.3	221.6	234.6	284.9	556.8	1331.4	3664.5	7915.5	9099.8	8679.0
45°	191.8	197.4	212.3	225.3	288.6	525.1	1277.4	3586.3	8012.4	9096.1	8595.2
47.5°	176.9	184.3	199.2	217.9	260.7	515.8	1240.1	3517.4	7978.8	8872.6	8332.6
50°	160.1	169.4	189.9	221.6	221.6	497.2	1201.0	3578.8	7954.6	8699.5	8081.3
52°	149.0	156.4	182.5	216.0	193.7	458.1	1176.8	3698.0	8053.3	8677.1	7969.5
52.5°	147.1	152.7	176.9	212.3	184.3	450.6	1160.1	3725.9	8085.0	8621.3	8045.9
55°	130.3	137.8	162.0	165.7	150.8	370.5	1106.1	3789.3	7928.6	8511.4	7973.3
57.5°	122.9	126.6	143.4	135.9	130.3	279.3	951.5	3690.6	7042.2	7559.9	7418.4
60°	113.6	117.3	134.1	106.1	109.9	195.5	715.0	3204.6	5655.0	6299.3	6554.4
62.5°	109.9	108.0	126.6	85.7	93.1	141.5	504.6	2605.0	4357.2	5185.8	5627.1
65°	96.8	95.0	91.2	72.6	80.1	109.9	301.7	1700.0	3070.5	3923.3	4165.4
67.5°	74.5	78.2	67.0	57.7	67.0	85.7	167.6	761.6	1610.7	2353.6	2549.1
70°	52.1	55.9	54.0	50.3	59.6	70.8	96.8	260.7	666.6	1236.4	1363.0
72.5°	31.7	39.1	41.0	42.8	52.1	61.4	68.9	83.8	176.9	437.6	543.7
75°	18.6	26.1	31.7	37.2	42.8	52.1	57.7	59.6	61.4	81.9	132.2
77.5°	13.0	18.6	27.9	35.4	42.8	52.1	61.4	65.2	61.4	57.7	61.4
80°	11.2	18.6	26.1	33.5	44.7	54.0	61.4	61.4	59.6	52.1	55.9
82.5°	11.2	18.6	27.9	35.4	42.8	52.1	59.6	61.4	55.9	52.1	54.0
85°	13.0	20.5	29.8	37.2	46.6	42.8	39.1	31.7	29.8	24.2	26.1
87.5°	13.0	18.6	18.6	20.5	22.3	22.3	22.3	20.5	16.8	14.9	14.9
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: P528601

CATALOG NUMBER: GLAN-SA3D-722-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4	4759.4
2.5°	5200.7	5349.6	5344.1	5347.8	5325.4	5174.6	5102.0	4917.7	4969.8	4947.4
5°	5399.9	5547.0	5673.6	5658.7	5487.4	5282.6	4979.1	4692.3	4614.1	4498.7
7.5°	5200.7	5554.5	5671.8	5655.0	5401.8	5139.2	4655.1	4368.3	4232.4	4156.1
10°	4884.1	5293.8	5439.0	5468.8	5297.5	4899.0	4454.0	3994.1	3921.5	3789.3
12.5°	4703.5	5001.4	5090.8	5170.9	5111.3	4813.4	4301.3	3860.0	3759.5	3671.9
15°	4556.4	4733.3	4770.6	4861.8	4897.2	4737.0	4381.4	4005.3	3757.6	3748.3
17.5°	4692.3	4619.7	4483.8	4511.7	4623.4	4738.9	4588.1	4292.0	4051.8	4022.0
20°	4917.7	4597.4	4290.1	4359.0	4452.1	4805.9	4900.9	4692.3	4554.6	4478.2
22.5°	5176.5	4636.5	4228.7	4262.2	4439.1	4956.8	5407.4	5291.9	5035.0	4925.1
25°	5655.0	4744.5	4277.1	4299.5	4541.5	5167.2	5865.4	5951.1	5798.4	5776.1
27.5°	6122.4	5023.8	4383.2	4333.0	4593.7	5372.0	6142.9	6602.8	6334.7	6282.5
30°	6360.7	5251.0	4541.5	4455.9	4809.7	5496.7	6310.5	7027.3	6792.7	6768.5
32.5°	6725.7	5457.6	4664.4	4554.6	4930.7	5651.3	6623.3	7491.0	7263.8	7142.8
35°	6878.4	5683.0	4934.4	4805.9	5277.0	5867.3	6783.4	7904.4	7833.6	7716.3
37.5°	7172.6	5925.0	5252.8	5245.4	5696.0	6148.5	7072.0	8466.7	8453.7	8250.7
40°	7196.8	6189.4	5755.6	5990.2	6344.0	6638.2	7325.3	8623.1	8835.4	8697.6
42.5°	7234.0	6653.1	6625.1	6818.8	7122.3	7059.0	7334.6	8660.4	8984.4	8902.4
45°	7250.8	7116.7	7509.6	7867.1	7993.7	7610.2	7247.1	8589.6	9062.6	8857.7
47.5°	7116.7	7515.2	8224.6	8915.5	8952.7	7949.1	7209.8	8517.0	9109.1	8973.2
50°	7135.3	7764.7	8842.8	9461.0	9325.1	8248.8	7152.1	8472.3	9084.9	8993.7
52°	7090.7	7770.3	8930.4	9449.9	9354.9	8083.1	7053.4	8301.0	9062.6	9127.7
52.5°	7140.9	7736.8	8839.1	9457.3	9334.4	8165.1	7040.4	8395.9	9075.6	8943.4
55°	6967.8	7338.3	8304.7	8567.3	8548.6	7410.9	6640.0	8081.3	8734.8	8736.7
57.5°	6297.4	6360.7	6513.4	6507.8	6422.2	5826.3	5679.2	7431.4	7787.1	7593.4
60°	5548.9	4657.0	4245.5	4077.9	3982.9	3886.1	5023.8	6798.3	6831.8	6749.9
62.5°	4794.8	3228.8	2681.3	2634.8	2657.1	3010.9	4856.2	6546.9	6345.8	6168.9
65°	3869.3	2353.6	1947.7	1886.2	2104.1	2485.8	3930.8	5020.1	4711.0	4563.9
67.5°	2430.0	1716.8	1316.5	1201.0	1463.6	1711.2	2582.7	3154.3	2808.0	2605.0
70°	1441.2	959.0	595.9	534.4	601.4	912.4	1446.8	1573.4	1301.6	1197.3
72.5°	567.9	351.9	165.7	141.5	147.1	320.3	532.5	519.5	392.9	350.1
75°	152.7	106.1	57.7	46.6	39.1	59.6	85.7	55.9	20.5	26.1
77.5°	70.8	63.3	50.3	39.1	29.8	22.3	11.2	3.7	3.7	1.9
80°	61.4	54.0	46.6	39.1	29.8	18.6	9.3	1.9	1.9	1.9
82.5°	57.7	50.3	42.8	35.4	27.9	18.6	9.3	1.9	0.0	0.0
85°	24.2	31.7	35.4	33.5	29.8	18.6	9.3	1.9	0.0	0.0
87.5°	13.0	11.2	9.3	7.4	5.6	3.7	3.7	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

(END OF REPORT)