

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: McGRAW-EDISON

Report Number: P527665

Luminaire Tested: **GALN-SA2D-722-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527665
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: McGRAW-EDISON
Catalog Number: GALN-SA2D-722-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 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: 6322 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

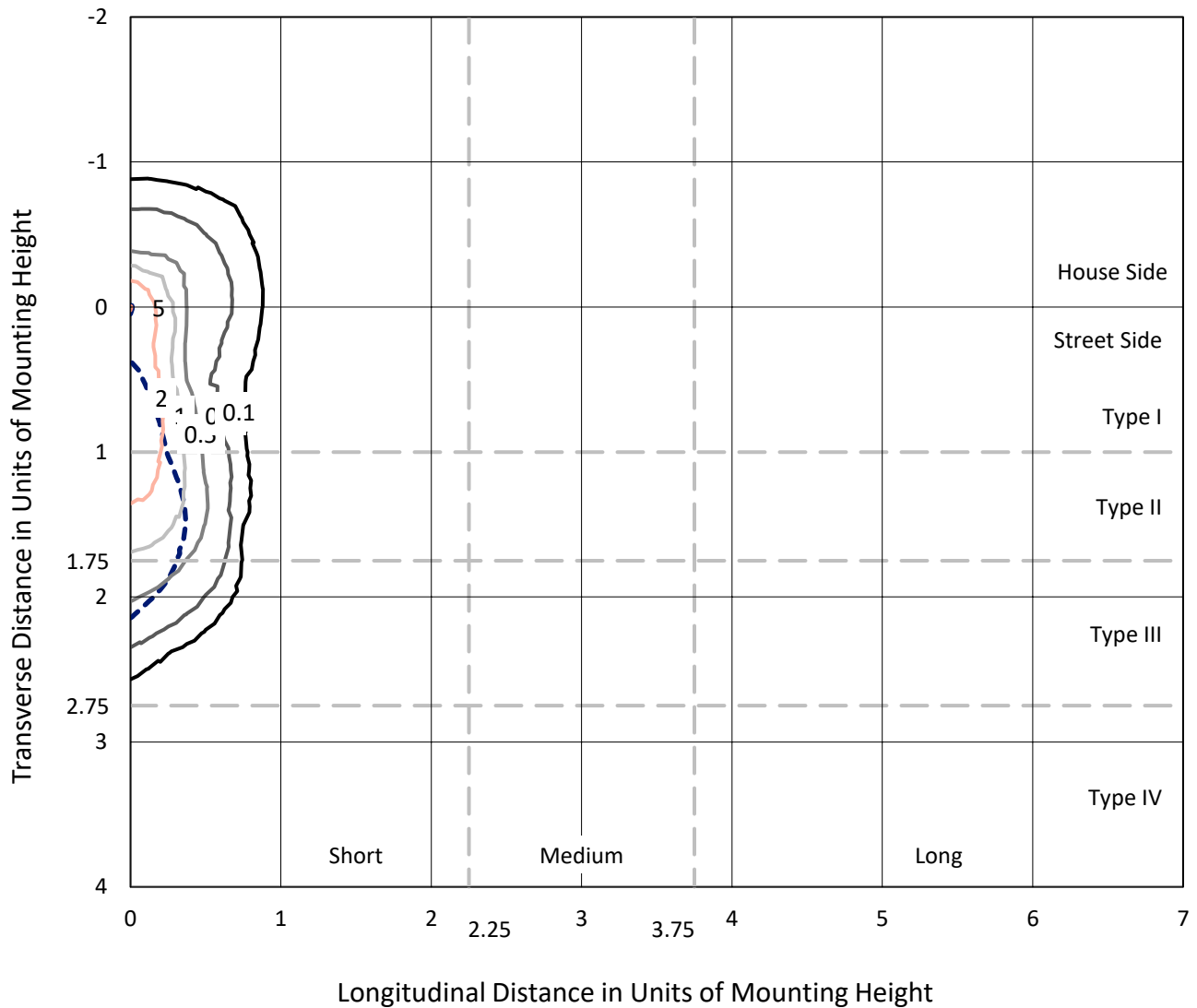
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527665
 CATALOG NUMBER: GALN-SA2D-722-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

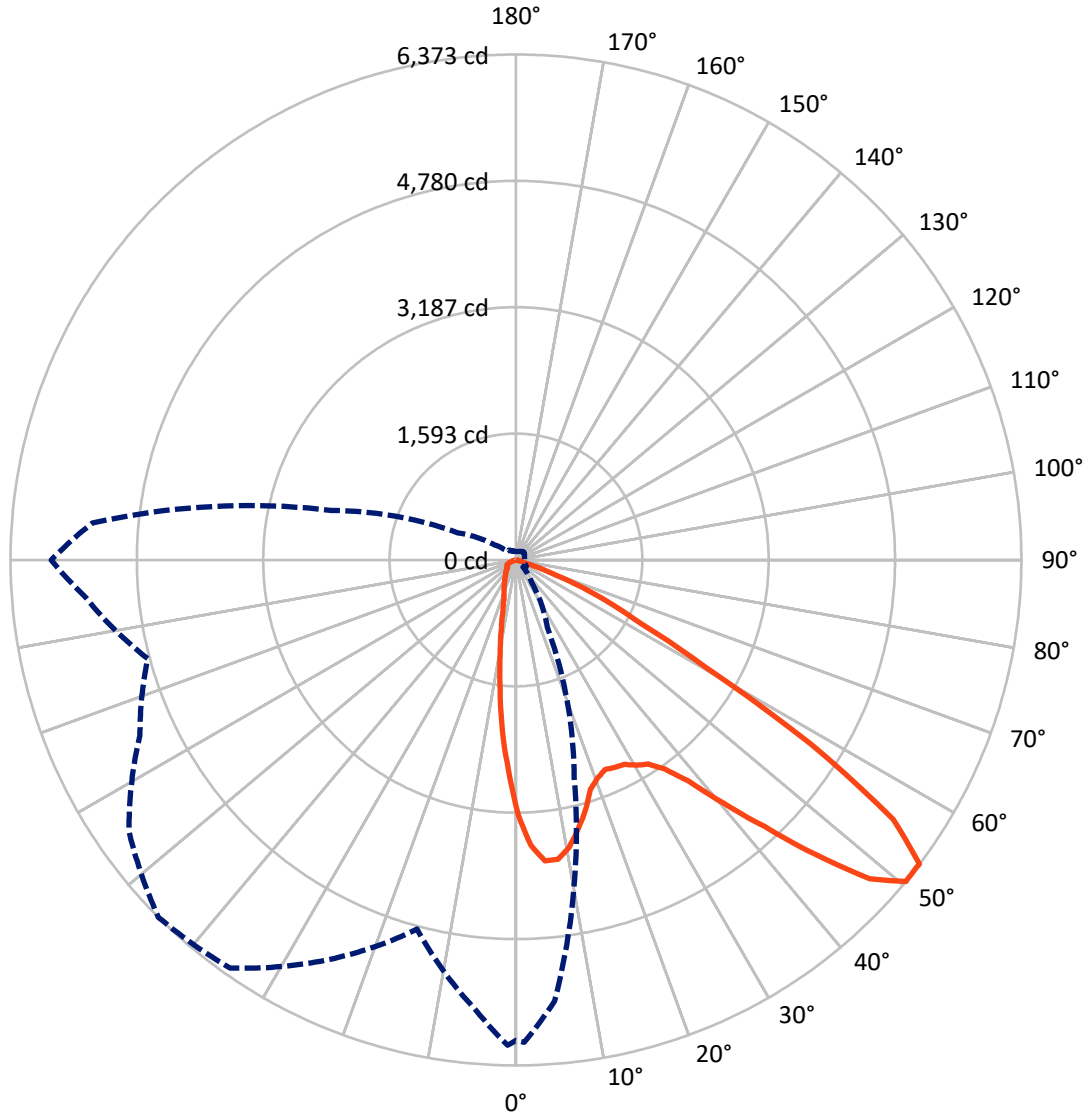
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

REPORT NUMBER: P527665
CATALOG NUMBER: GALN-SA2D-722-U-SLR-GRSBK

Luminous Intensity Polar Plot



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



REPORT NUMBER: P527665
 CATALOG NUMBER: GALN-SA2D-722-U-SLR-GRSBK

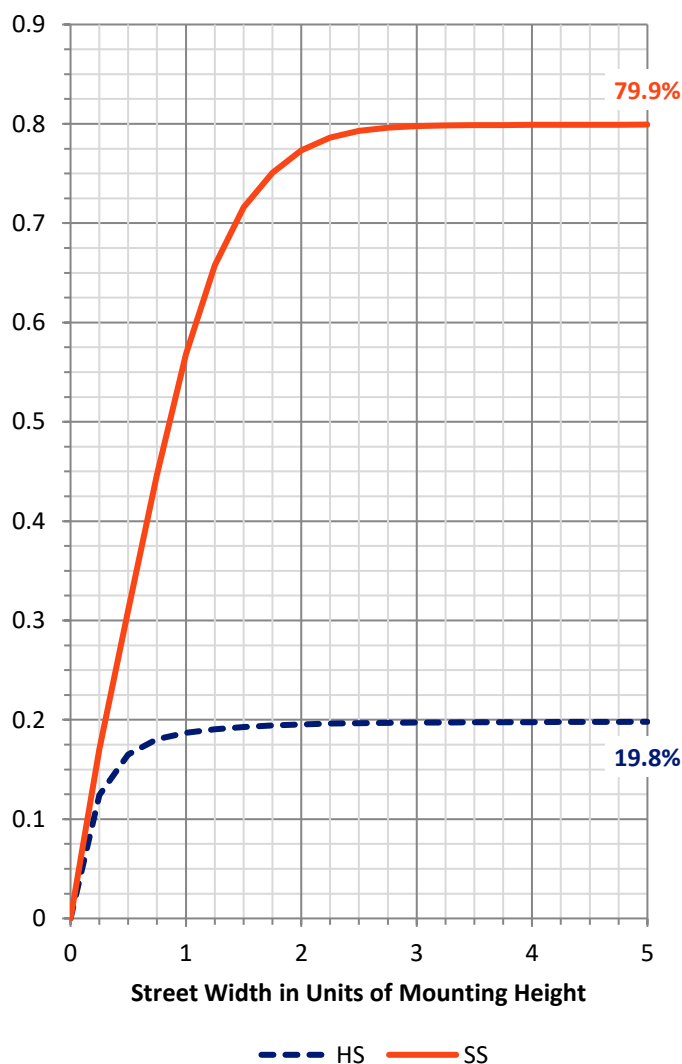
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1266.3	0.0	1266.3
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	5055.7	0.0	5055.7
	% Fixture	80.0	0.0	80.0
Total	Lumens	6322.0	0.0	6322.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.7	3.7
10°-20°	464.4	7.3
20°-30°	697.7	11.0
30°-40°	1047.3	16.6
40°-50°	1471.9	23.3
50°-60°	1587.7	25.1
60°-70°	737.2	11.7
70°-80°	69.4	1.1
80°-90°	12.8	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°	6322.0	100.0
0°-180°	6322.0	100.0

Coefficient of Utilization



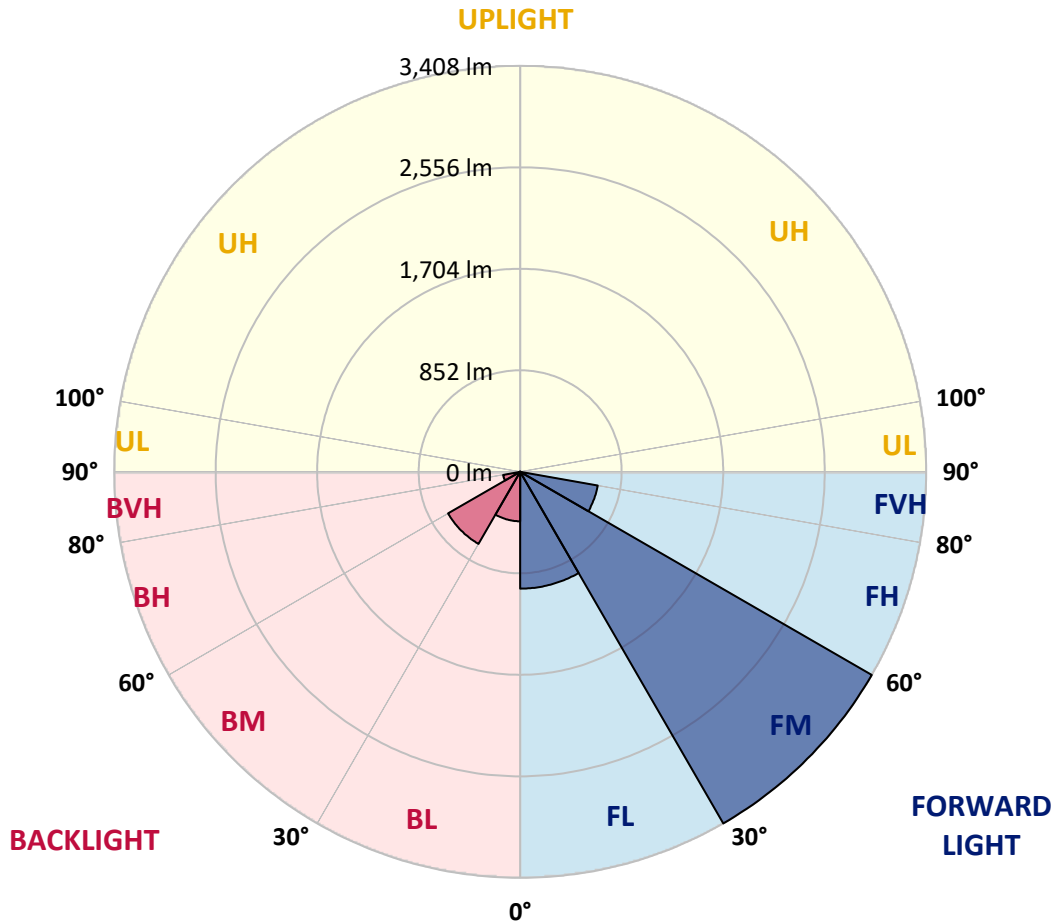
REPORT NUMBER: P527665
 CATALOG NUMBER: GALN-SA2D-722-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	980.8	15.5			
FM (30°-60°)	3408.0	53.9			
FH (60°-80°)	661.1	10.5			G1/1800
FVH (80°-90°)	5.8	0.1			G0/10
BL (0°-30°)	415.1	6.6	B1/500		
BM (30°-60°)	698.8	11.1	B1/1000		
BH (60°-80°)	145.4	2.3	B1/500		G1/500
BVH (80°-90°)	7.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P527665

CATALOG NUMBER: GALN-SA2D-722-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1
2.5°	3332.7	3281.3	3216.1	3162.1	3081.9	2920.1	2876.2	2823.5	2779.6	2720.6	2637.8
5°	3030.4	3014.1	2984.0	2780.8	2634.1	2438.4	2277.9	2210.1	2121.1	2048.3	1995.6
7.5°	2799.7	2734.4	2639.1	2434.6	2200.1	1990.6	1812.5	1708.4	1590.5	1550.3	1478.8
10°	2552.5	2567.6	2427.1	2139.9	1856.4	1687.1	1576.7	1476.3	1369.7	1299.5	1197.9
12.5°	2473.5	2424.6	2316.7	1961.8	1719.7	1561.6	1427.4	1303.2	1190.4	1077.5	979.6
15°	2525.0	2449.7	2299.2	1924.1	1614.3	1417.4	1249.3	1081.2	977.1	832.9	731.3
17.5°	2709.3	2649.1	2447.2	1964.3	1560.4	1279.4	1029.8	856.7	697.4	567.0	515.5
20°	3016.6	2931.4	2678.0	2015.7	1480.1	1112.6	835.4	622.1	471.6	416.4	387.6
22.5°	3317.7	3271.3	2951.4	2114.8	1408.6	964.6	627.2	418.9	352.5	342.4	323.6
25°	3890.9	3751.7	3369.1	2294.2	1353.4	825.3	472.9	337.4	298.5	291.0	293.5
27.5°	4232.1	4115.4	3755.4	2413.3	1292.0	718.7	400.1	309.8	283.5	267.2	260.9
30°	4559.5	4424.0	3947.4	2483.6	1160.2	605.8	355.0	297.3	291.0	267.2	259.6
32.5°	4811.6	4678.6	4224.6	2588.9	1106.3	533.1	292.3	232.0	215.7	213.2	235.8
35°	5197.9	5056.2	4461.6	2646.6	1064.9	495.5	253.4	207.0	188.1	180.6	181.9
37.5°	5557.9	5461.3	4681.1	2669.2	1021.0	484.2	227.0	185.6	169.3	164.3	163.1
40°	5858.9	5643.2	4889.4	2693.0	1002.2	462.8	210.7	169.3	158.0	150.5	150.5
42.5°	5996.9	5777.4	5122.7	2679.2	997.2	429.0	210.7	155.5	146.8	139.2	138.0
45°	5966.8	5877.8	5226.8	2673.0	997.2	395.1	191.9	151.8	139.2	129.2	126.7
47.5°	6044.6	5927.9	5357.2	2699.3	977.1	371.3	161.8	159.3	131.7	119.2	116.7
50°	6058.4	6081.0	5584.2	2836.0	933.2	341.2	126.7	156.8	126.7	107.9	105.4
52°	6148.7	6008.2	5653.2	2908.8	886.8	318.6	106.6	134.2	121.7	100.3	97.8
52.5°	6024.5	6116.1	5669.5	2935.1	891.8	303.5	102.9	131.7	119.2	100.3	94.1
55°	5885.3	5973.1	5603.1	2991.6	817.8	238.3	80.3	95.3	107.9	87.8	84.0
57.5°	5115.1	5204.2	4869.3	2739.4	666.0	168.1	66.5	71.5	95.3	81.5	77.8
60°	4546.9	4483.0	4086.6	2285.4	472.9	94.1	52.7	55.2	104.1	75.3	74.0
62.5°	4155.6	4018.9	3415.5	1764.8	288.5	62.7	41.4	42.6	80.3	70.2	70.2
65°	3074.3	2921.3	2269.1	1067.4	141.7	43.9	31.4	33.9	50.2	60.2	60.2
67.5°	1754.8	1695.8	1096.3	481.7	59.0	27.6	23.8	26.3	38.9	48.9	46.4
70°	806.5	723.7	421.5	101.6	27.6	18.8	18.8	21.3	31.4	36.4	33.9
72.5°	235.8	223.3	102.9	16.3	11.3	11.3	12.5	16.3	23.8	27.6	25.1
75°	17.6	11.3	7.5	5.0	5.0	7.5	10.0	16.3	23.8	26.3	21.3
77.5°	1.3	2.5	1.3	1.3	3.8	7.5	11.3	20.1	31.4	32.6	23.8
80°	1.3	1.3	0.0	1.3	3.8	7.5	12.5	22.6	35.1	37.6	20.1
82.5°	0.0	0.0	0.0	1.3	5.0	10.0	15.1	23.8	32.6	40.1	21.3
85°	0.0	0.0	0.0	1.3	7.5	13.8	17.6	6.3	3.8	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: P527665

CATALOG NUMBER: GALN-SA2D-722-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1
2.5°	2696.8	2664.2	2651.6	2662.9	2659.2	2655.4	2724.4	2709.3	2706.8	2729.4	2724.4
5°	2024.5	1966.8	2124.8	2060.9	2127.3	2167.5	2175.0	2178.8	2225.2	2176.3	2240.2
7.5°	1442.5	1457.5	1456.3	1498.9	1575.4	1643.2	1683.3	1651.9	1649.4	1643.2	1615.6
10°	1152.7	1126.4	1121.4	1111.3	1135.2	1192.9	1241.8	1202.9	1175.3	1212.9	1201.6
12.5°	942.0	905.6	885.6	845.4	846.7	885.6	885.6	885.6	913.1	934.5	950.8
15°	722.5	692.4	692.4	652.2	643.5	644.7	664.8	667.3	711.2	723.7	730.0
17.5°	505.5	489.2	508.0	524.3	514.3	516.8	524.3	526.8	533.1	528.1	540.6
20°	388.8	386.3	391.3	420.2	441.5	454.1	445.3	432.7	425.2	407.7	407.7
22.5°	329.9	334.9	343.7	367.5	395.1	402.6	392.6	363.8	341.2	338.7	339.9
25°	293.5	298.5	312.3	327.4	342.4	355.0	344.9	323.6	311.1	299.8	299.8
27.5°	270.9	273.4	281.0	292.3	304.8	314.8	311.1	299.8	286.0	281.0	269.7
30°	253.4	257.1	265.9	268.4	279.7	284.7	278.5	276.0	267.2	260.9	257.1
32.5°	244.6	243.3	249.6	252.1	253.4	257.1	249.6	253.4	252.1	242.1	238.3
35°	184.4	194.4	210.7	224.5	228.3	233.3	232.0	227.0	213.2	201.9	188.1
37.5°	165.6	171.8	180.6	191.9	207.0	213.2	210.7	198.2	181.9	174.4	171.8
40°	153.0	156.8	164.3	171.8	186.9	198.2	189.4	178.1	165.6	159.3	155.5
42.5°	141.7	143.0	146.8	154.3	165.6	183.1	168.1	153.0	148.0	144.2	141.7
45°	129.2	129.2	134.2	138.0	150.5	166.8	151.8	138.0	135.5	133.0	131.7
47.5°	119.2	120.4	122.9	127.9	138.0	149.3	139.2	127.9	121.7	120.4	117.9
50°	106.6	107.9	112.9	117.9	130.4	136.7	130.4	117.9	111.6	107.9	107.9
52°	96.6	100.3	105.4	115.4	124.2	134.2	126.7	112.9	105.4	101.6	99.1
52.5°	95.3	97.8	102.9	114.1	124.2	133.0	125.4	111.6	102.9	100.3	97.8
55°	85.3	89.1	97.8	111.6	122.9	133.0	122.9	110.4	97.8	91.6	89.1
57.5°	81.5	84.0	95.3	112.9	121.7	133.0	122.9	110.4	97.8	86.5	84.0
60°	77.8	82.8	95.3	109.1	120.4	134.2	124.2	109.1	95.3	81.5	81.5
62.5°	74.0	77.8	94.1	106.6	115.4	129.2	119.2	106.6	91.6	77.8	76.5
65°	64.0	70.2	82.8	89.1	99.1	111.6	101.6	92.8	80.3	69.0	67.7
67.5°	48.9	51.4	61.5	69.0	75.3	86.5	81.5	70.2	61.5	52.7	52.7
70°	33.9	36.4	43.9	47.7	53.9	60.2	56.4	47.7	41.4	36.4	35.1
72.5°	23.8	25.1	27.6	30.1	32.6	35.1	33.9	27.6	23.8	22.6	21.3
75°	18.8	21.3	22.6	21.3	20.1	18.8	18.8	16.3	13.8	12.5	12.5
77.5°	18.8	20.1	18.8	16.3	13.8	12.5	11.3	10.0	7.5	6.3	7.5
80°	16.3	16.3	16.3	13.8	12.5	11.3	10.0	8.8	7.5	6.3	6.3
82.5°	17.6	17.6	16.3	13.8	13.8	11.3	11.3	10.0	8.8	6.3	6.3
85°	0.0	0.0	0.0	2.5	6.3	11.3	11.3	10.0	8.8	7.5	7.5
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	5.0	6.3	7.5	7.5	7.5
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: P527665

CATALOG NUMBER: GALN-SA2D-722-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1
2.5°	2769.5	2817.2	2907.5	2997.8	3053.0	3118.2	3236.2	3298.9	3380.4	3420.5	3499.6
5°	2231.4	2344.3	2384.5	2487.3	2597.7	2708.1	2883.7	3076.9	3237.4	3347.8	3490.8
7.5°	1628.1	1654.5	1810.0	1879.0	2059.6	2260.3	2499.9	2743.2	2946.4	3127.0	3236.2
10°	1220.5	1317.0	1414.9	1546.6	1692.1	1899.0	2128.6	2397.0	2660.4	2841.0	2979.0
12.5°	980.9	1057.4	1187.8	1329.6	1509.0	1645.7	1876.5	2142.4	2483.6	2660.4	2842.3
15°	742.6	840.4	988.4	1135.2	1324.6	1468.8	1702.1	2037.0	2476.0	2719.4	2876.2
17.5°	550.6	617.1	750.1	914.4	1107.6	1310.8	1625.6	2025.7	2560.1	2849.8	3011.6
20°	421.5	444.0	528.1	674.8	884.3	1150.2	1501.4	2074.7	2808.4	3167.2	3331.5
22.5°	341.2	351.2	383.8	485.4	688.6	1009.7	1442.5	2108.5	3088.1	3547.2	3766.7
25°	297.3	294.8	316.1	360.0	538.1	878.0	1367.2	2236.5	3430.6	3993.8	4190.7
27.5°	270.9	270.9	281.0	312.3	446.5	792.7	1319.5	2328.0	3775.5	4386.4	4493.0
30°	257.1	259.6	288.5	298.5	371.3	691.1	1240.5	2420.8	4105.4	4637.2	4784.0
32.5°	238.3	228.3	222.0	247.1	312.3	599.6	1161.5	2459.7	4372.6	4944.5	5070.0
35°	183.1	178.1	185.6	204.5	268.4	521.8	1073.7	2503.6	4679.9	5300.8	5325.9
37.5°	165.6	164.3	169.3	185.6	225.8	454.1	1011.0	2492.3	4914.4	5595.5	5527.8
40°	153.0	153.0	156.8	170.6	201.9	406.4	945.8	2482.3	5141.5	5926.7	5728.5
42.5°	143.0	143.0	149.3	158.0	191.9	375.0	896.8	2468.5	5332.1	6129.9	5846.4
45°	129.2	133.0	143.0	151.8	194.4	353.7	860.5	2415.8	5397.4	6127.4	5790.0
47.5°	119.2	124.2	134.2	146.8	175.6	347.4	835.4	2369.4	5374.8	5976.9	5613.1
50°	107.9	114.1	127.9	149.3	149.3	334.9	809.0	2410.8	5358.5	5860.2	5443.8
52°	100.3	105.4	122.9	145.5	130.4	308.6	792.7	2491.1	5424.9	5845.1	5368.5
52.5°	99.1	102.9	119.2	143.0	124.2	303.5	781.4	2509.9	5446.3	5807.5	5419.9
55°	87.8	92.8	109.1	111.6	101.6	249.6	745.1	2552.5	5340.9	5733.5	5371.0
57.5°	82.8	85.3	96.6	91.6	87.8	188.1	641.0	2486.1	4743.9	5092.6	4997.2
60°	76.5	79.0	90.3	71.5	74.0	131.7	481.7	2158.7	3809.4	4243.4	4415.2
62.5°	74.0	72.8	85.3	57.7	62.7	95.3	339.9	1754.8	2935.1	3493.3	3790.6
65°	65.2	64.0	61.5	48.9	53.9	74.0	203.2	1145.2	2068.4	2642.9	2805.9
67.5°	50.2	52.7	45.2	38.9	45.2	57.7	112.9	513.0	1085.0	1585.5	1717.2
70°	35.1	37.6	36.4	33.9	40.1	47.7	65.2	175.6	449.0	832.9	918.2
72.5°	21.3	26.3	27.6	28.8	35.1	41.4	46.4	56.4	119.2	294.8	366.3
75°	12.5	17.6	21.3	25.1	28.8	35.1	38.9	40.1	41.4	55.2	89.1
77.5°	8.8	12.5	18.8	23.8	28.8	35.1	41.4	43.9	41.4	38.9	41.4
80°	7.5	12.5	17.6	22.6	30.1	36.4	41.4	41.4	40.1	35.1	37.6
82.5°	7.5	12.5	18.8	23.8	28.8	35.1	40.1	41.4	37.6	35.1	36.4
85°	8.8	13.8	20.1	25.1	31.4	28.8	26.3	21.3	20.1	16.3	17.6
87.5°	8.8	12.5	12.5	13.8	15.1	15.1	15.1	13.8	11.3	10.0	10.0
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: P527665

CATALOG NUMBER: GALN-SA2D-722-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1	3206.1
2.5°	3503.3	3603.7	3599.9	3602.4	3587.4	3485.8	3436.8	3312.7	3347.8	3332.7
5°	3637.5	3736.6	3821.9	3811.9	3696.5	3558.5	3354.1	3160.9	3108.2	3030.4
7.5°	3503.3	3741.6	3820.7	3809.4	3638.8	3461.9	3135.8	2942.6	2851.1	2799.7
10°	3290.1	3566.0	3663.9	3683.9	3568.6	3300.1	3000.3	2690.5	2641.6	2552.5
12.5°	3168.4	3369.1	3429.3	3483.3	3443.1	3242.4	2897.5	2600.2	2532.5	2473.5
15°	3069.3	3188.5	3213.6	3275.0	3298.9	3191.0	2951.4	2698.0	2531.2	2525.0
17.5°	3160.9	3112.0	3020.4	3039.2	3114.5	3192.3	3090.7	2891.2	2729.4	2709.3
20°	3312.7	3096.9	2890.0	2936.4	2999.1	3237.4	3301.4	3160.9	3068.1	3016.6
22.5°	3487.0	3123.3	2848.6	2871.1	2990.3	3339.0	3642.6	3564.8	3391.7	3317.7
25°	3809.4	3196.0	2881.2	2896.2	3059.3	3480.7	3951.1	4008.8	3906.0	3890.9
27.5°	4124.2	3384.2	2952.7	2918.8	3094.4	3618.7	4138.0	4447.8	4267.2	4232.1
30°	4284.8	3537.2	3059.3	3001.6	3239.9	3702.8	4250.9	4733.8	4575.8	4559.5
32.5°	4530.6	3676.4	3142.1	3068.1	3321.4	3806.9	4461.6	5046.1	4893.1	4811.6
35°	4633.5	3828.2	3324.0	3237.4	3554.8	3952.4	4569.5	5324.6	5276.9	5197.9
37.5°	4831.7	3991.3	3538.4	3533.4	3837.0	4141.8	4763.9	5703.4	5694.6	5557.9
40°	4848.0	4169.4	3877.1	4035.2	4273.5	4471.7	4934.5	5808.8	5951.8	5858.9
42.5°	4873.0	4481.7	4462.9	4593.3	4797.8	4755.1	4940.8	5833.9	6052.1	5996.9
45°	4884.3	4794.0	5058.7	5299.5	5384.8	5126.4	4881.8	5786.2	6104.8	5966.8
47.5°	4794.0	5062.4	5540.3	6005.7	6030.8	5354.7	4856.7	5737.3	6136.2	6044.6
50°	4806.6	5230.5	5956.8	6373.2	6281.7	5556.7	4817.9	5707.2	6119.8	6058.4
52°	4776.5	5234.3	6015.7	6365.7	6301.7	5445.0	4751.4	5591.8	6104.8	6148.7
52.5°	4810.3	5211.7	5954.3	6370.7	6287.9	5500.2	4742.6	5655.7	6113.6	6024.5
55°	4693.7	4943.3	5594.3	5771.1	5758.6	4992.2	4472.9	5443.8	5884.0	5885.3
57.5°	4242.1	4284.8	4387.6	4383.9	4326.2	3924.8	3825.7	5006.0	5245.6	5115.1
60°	3737.9	3137.1	2859.9	2747.0	2683.0	2617.8	3384.2	4579.5	4602.1	4546.9
62.5°	3229.9	2175.0	1806.2	1774.9	1789.9	2028.2	3271.3	4410.2	4274.7	4155.6
65°	2606.5	1585.5	1312.0	1270.6	1417.4	1674.5	2647.9	3381.7	3173.4	3074.3
67.5°	1636.9	1156.5	886.8	809.0	985.9	1152.7	1739.7	2124.8	1891.5	1754.8
70°	970.8	646.0	401.4	360.0	405.1	614.6	974.6	1059.9	876.8	806.5
72.5°	382.6	237.1	111.6	95.3	99.1	215.7	358.7	350.0	264.7	235.8
75°	102.9	71.5	38.9	31.4	26.3	40.1	57.7	37.6	13.8	17.6
77.5°	47.7	42.6	33.9	26.3	20.1	15.1	7.5	2.5	2.5	1.3
80°	41.4	36.4	31.4	26.3	20.1	12.5	6.3	1.3	1.3	1.3
82.5°	38.9	33.9	28.8	23.8	18.8	12.5	6.3	1.3	0.0	0.0
85°	16.3	21.3	23.8	22.6	20.1	12.5	6.3	1.3	0.0	0.0
87.5°	8.8	7.5	6.3	5.0	3.8	2.5	2.5	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)