

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: P530576

Luminaire Tested: **GALN-SA5D-740-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5D-740-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28853 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

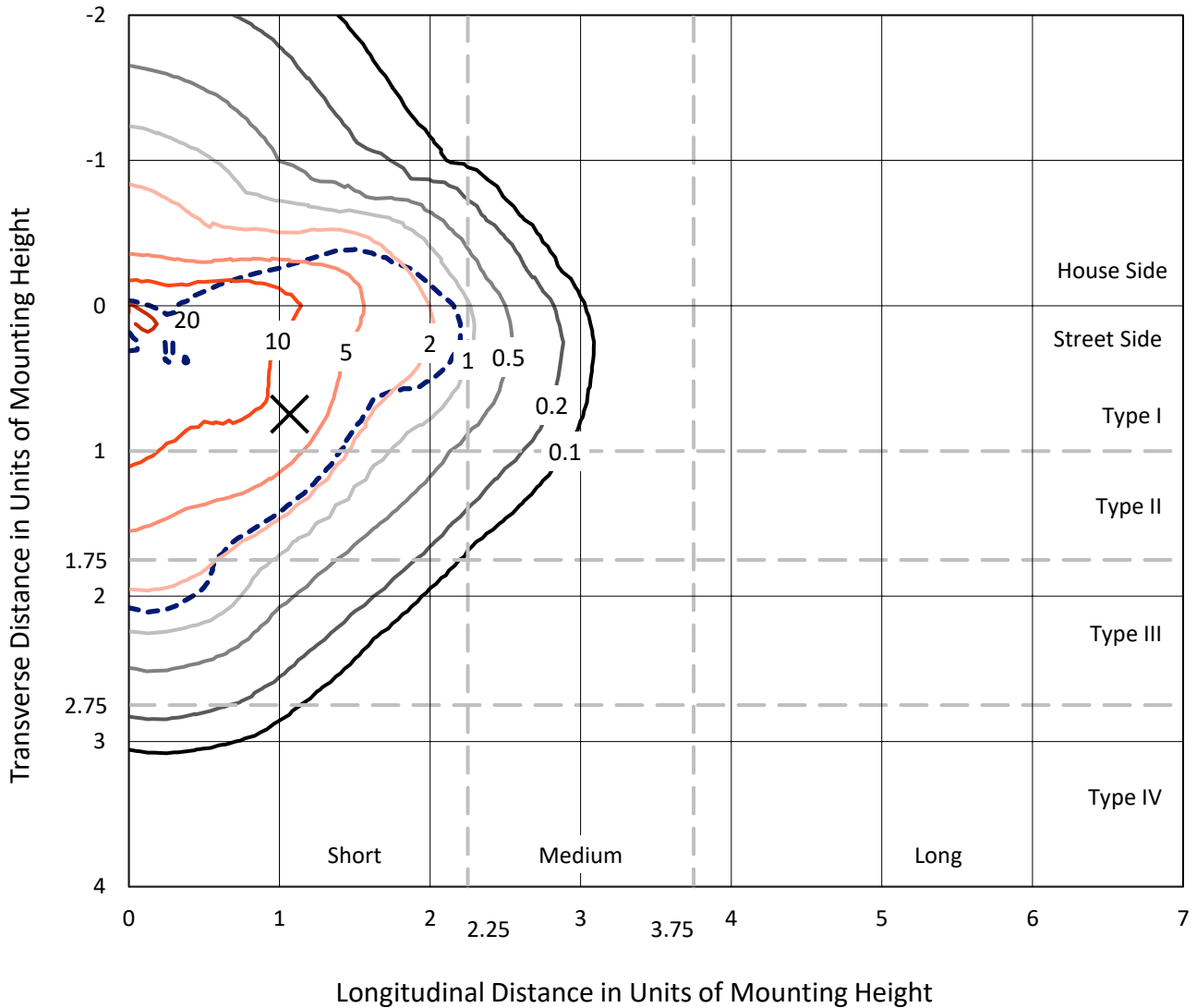
Input Watts (W): 309
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530576
 CATALOG NUMBER: GALN-SA5D-740-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

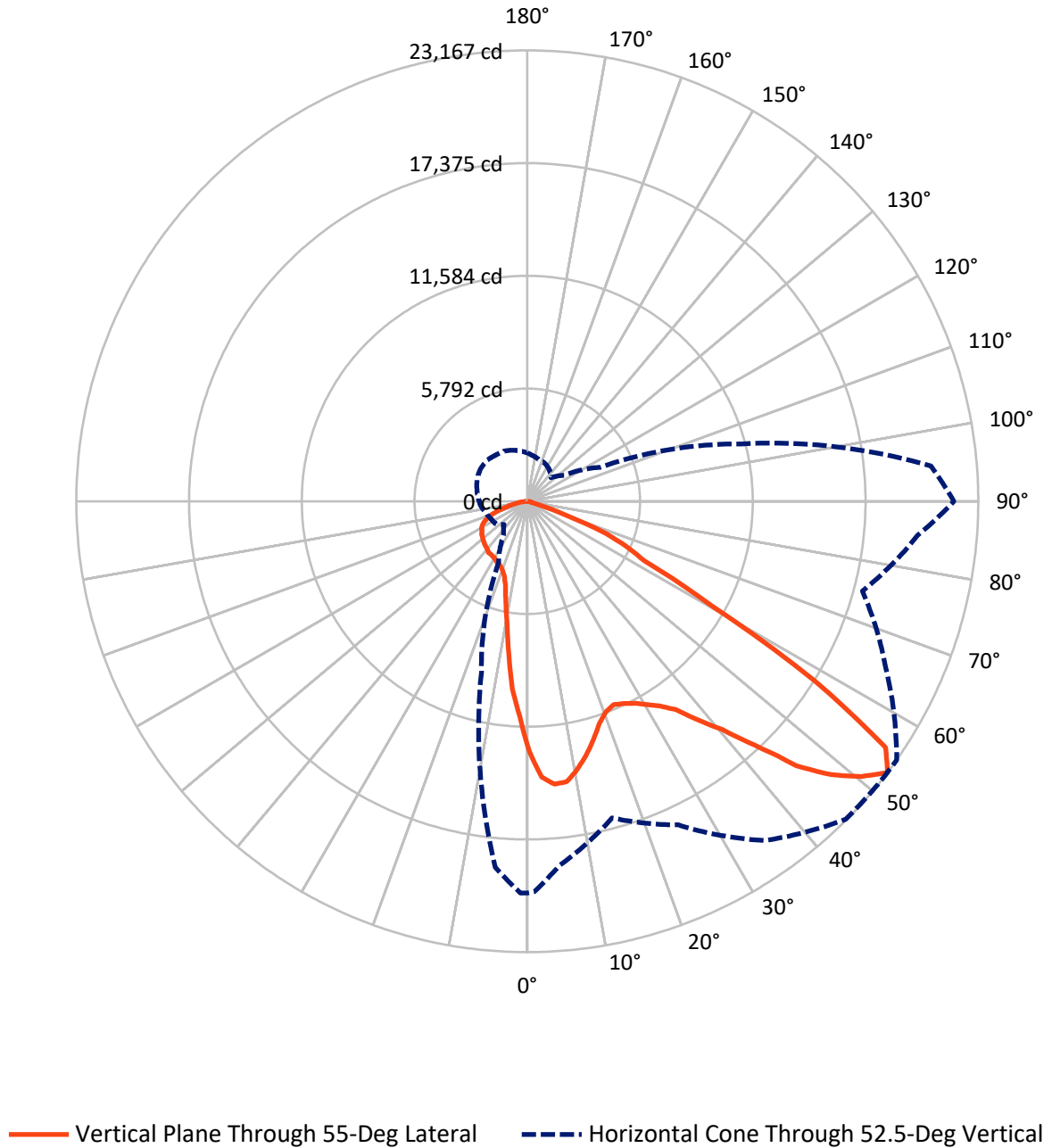
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.9 fc
 Type II - Short - N/A

REPORT NUMBER: P530576
CATALOG NUMBER: GALN-SA5D-740-U-SLL-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P530576
 CATALOG NUMBER: GALN-SA5D-740-U-SLL-GRSWH

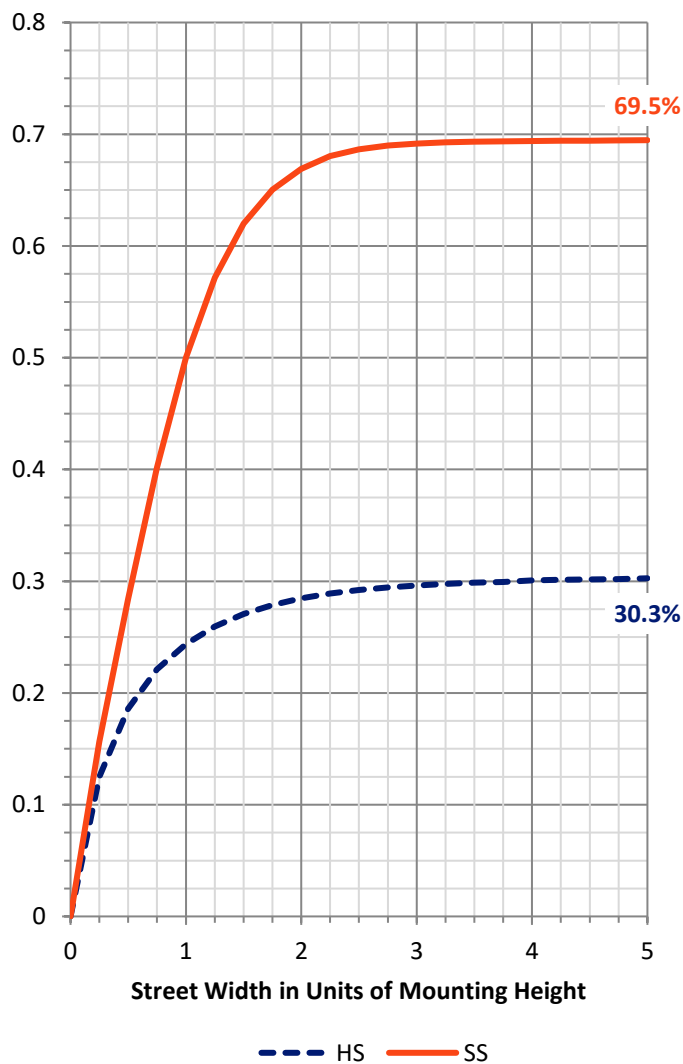
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8801.7	0.0	8801.7
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	20051.3	0.0	20051.3
	% Fixture	69.5	0.0	69.5
Total	Lumens	28853.0	0.0	28853.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	983.3	3.4
10°-20°	2120.1	7.3
20°-30°	3214.8	11.1
30°-40°	4644.9	16.1
40°-50°	6206.8	21.5
50°-60°	6928.2	24.0
60°-70°	3800.4	13.2
70°-80°	821.6	2.8
80°-90°	132.9	0.5
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°	28853.0	100.0
0°-180°	28853.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530576

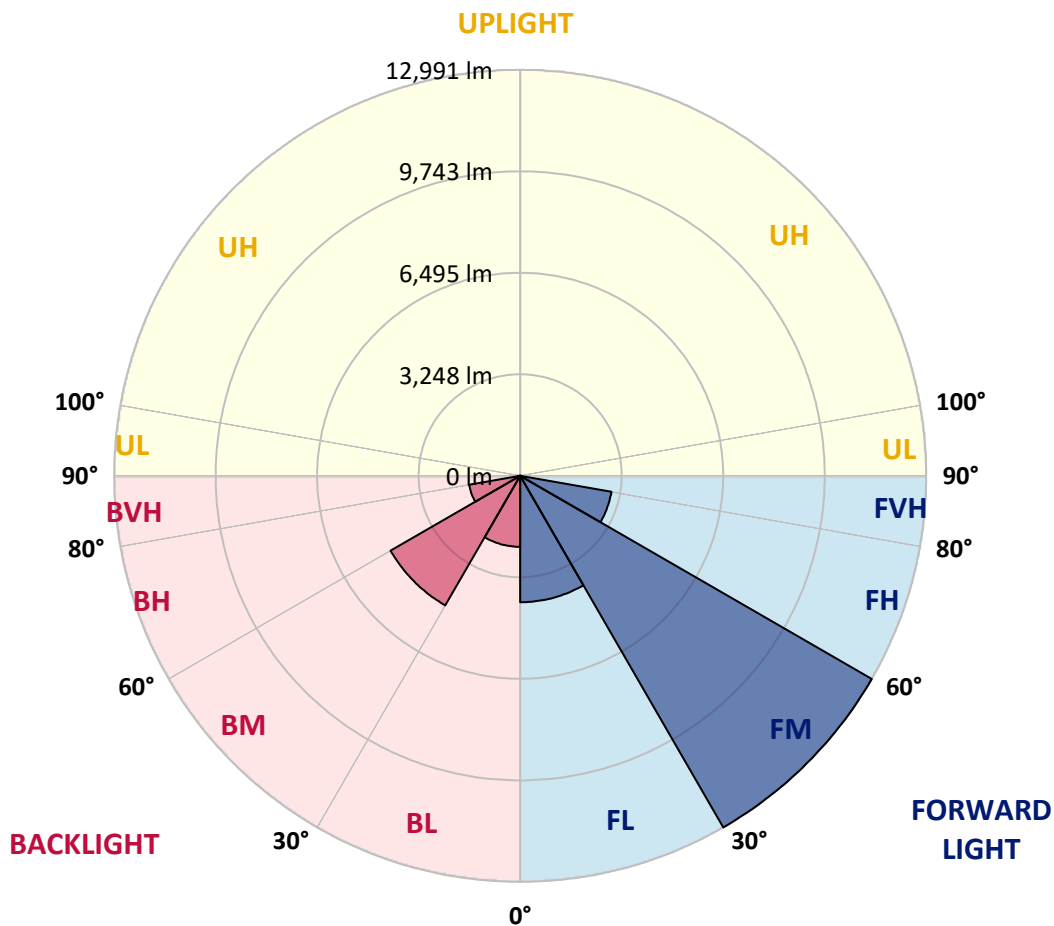
CATALOG NUMBER: GALN-SA5D-740-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4045.7	14.0			
FM (30°-60°)	12991.0	45.0			
FH (60°-80°)	2965.4	10.3			G2/5000
FVH (80°-90°)	49.2	0.2			G1/100
BL (0°-30°)	2272.5	7.9	B3/2500		
BM (30°-60°)	4788.9	16.6	B3/5000		
BH (60°-80°)	1656.7	5.7	B3/2500		G3/2500
BVH (80°-90°)	83.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P530576

CATALOG NUMBER: GALN-SA5D-740-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7
2.5°	13506.8	13431.0	13498.4	13818.6	14004.0	14130.4	14210.4	14197.8	13894.4	13599.5	13599.5
5°	13110.8	13013.9	13152.9	13877.6	14606.4	14669.6	14774.9	14602.2	14155.6	13616.4	12942.3
7.5°	11964.9	12036.5	12268.2	13220.3	14168.3	14644.3	14770.7	14551.7	13827.0	12820.1	11830.1
10°	10974.8	11143.3	11678.4	12706.4	13578.5	14197.8	14336.8	14029.2	13456.3	12221.9	11337.1
12.5°	10633.6	10528.3	11122.3	12150.2	12984.4	13317.2	13380.4	13401.5	13013.9	11918.5	10840.0
15°	10591.4	10658.9	11122.3	11901.7	12415.7	12432.5	12537.8	12702.2	12752.7	12125.0	11071.7
17.5°	11198.1	11118.1	11594.1	12213.4	11969.1	11724.7	11750.0	11985.9	12403.0	12301.9	11800.6
20°	12095.5	12276.6	12651.6	12588.4	11931.2	11311.9	11316.1	11539.4	12360.9	13035.0	12815.9
22.5°	13586.9	13763.8	14041.9	13279.3	11931.2	11189.7	11046.4	11349.8	12630.5	13907.1	13961.8
25°	14947.7	15272.1	15347.9	14450.5	12529.4	11303.4	11210.8	11509.9	12900.2	14758.1	15276.3
27.5°	16186.3	16304.3	16637.1	15204.7	12862.2	11379.3	11370.8	11754.2	13241.4	15183.6	16451.7
30°	17163.7	17151.1	17340.6	15680.7	13393.1	11804.8	11396.1	12120.8	13688.0	15887.2	17538.7
32.5°	17829.4	17972.6	18372.8	16342.2	13616.4	12209.2	11889.0	12550.5	14231.5	16220.0	18305.4
35°	19000.6	19249.1	18743.6	16708.7	14324.1	12609.5	12234.5	13136.1	14501.1	16582.3	19244.9
37.5°	20104.4	19914.8	19400.8	16906.7	14783.4	13351.0	13001.3	14269.4	15339.5	17370.1	19868.4
40°	20812.1	20807.9	19893.7	17066.8	15107.8	14484.2	14463.2	15419.5	16367.4	17867.3	20567.8
42.5°	21119.7	21414.6	20095.9	17050.0	15790.3	15857.7	16283.2	17138.4	17096.3	17968.4	20550.9
44°	21541.0	21717.9	20445.6	17087.9	16245.3	16784.5	17787.2	18330.7	17732.5	17913.6	20529.9
45°	21524.1	21536.8	19948.5	17138.4	16632.9	17559.7	18457.1	19375.5	18292.8	17795.6	20807.9
47.5°	21031.2	20888.0	19527.2	16763.5	17842.0	19607.2	20437.2	20993.3	18983.7	17542.9	20462.5
50°	20058.0	19893.7	18503.4	16603.4	18094.8	20879.6	22025.5	22227.7	19611.4	17294.3	20121.2
52.5°	20125.4	20079.1	18794.1	16843.5	18347.6	21279.8	23116.7	23167.2	20323.4	17816.7	20125.4
55°	21330.3	21170.3	19628.3	17142.6	18162.2	20812.1	22421.5	22333.0	20083.3	17500.7	20496.2
57.5°	19518.8	19624.1	18473.9	15958.8	15895.6	16919.3	17627.1	17408.1	16759.3	15794.5	19068.0
60°	15748.1	16047.3	16156.8	13346.7	11994.4	11467.7	11257.1	10869.5	10979.0	12976.0	16750.8
62.5°	13506.8	13490.0	14176.7	12099.7	7857.2	6757.6	6656.5	6745.0	8008.9	12773.8	16405.4
65°	10709.4	10995.9	11206.5	10254.4	6218.4	5017.7	5013.5	5573.8	6930.4	10675.7	13245.6
67.5°	6799.8	7174.7	7435.9	6559.6	4158.2	3572.6	3475.7	4149.8	4802.8	7002.0	7975.2
70°	3833.8	4010.8	4128.7	3783.3	2645.8	1853.7	1744.2	1904.3	2902.7	4533.2	4727.0
72.5°	1478.8	1558.8	1718.9	1731.5	998.5	598.2	484.5	581.4	1221.8	1794.7	1710.5
75°	227.5	244.4	345.5	412.9	286.5	219.1	231.7	240.1	341.3	463.4	387.6
77.5°	109.5	109.5	105.3	122.2	143.2	155.9	168.5	185.4	202.2	223.3	214.9
80°	71.6	71.6	71.6	84.3	105.3	126.4	143.2	151.7	160.1	176.9	168.5
82.5°	46.3	46.3	46.3	63.2	84.3	105.3	113.8	134.8	151.7	176.9	164.3
85°	25.3	25.3	25.3	42.1	63.2	88.5	84.3	67.4	37.9	4.2	8.4
87.5°	8.4	8.4	8.4	8.4	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: P530576

CATALOG NUMBER: GALN-SA5D-740-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7
2.5°	13245.6	13051.8	13035.0	12639.0	12285.1	12112.3	11973.3	11585.7	11670.0	11446.7	11442.5
5°	12605.3	12209.2	11568.9	11042.2	10515.6	10410.3	9951.1	9550.8	9563.5	9277.0	9327.5
7.5°	11455.1	11181.3	10401.9	9576.1	8876.8	8379.6	7945.7	7684.5	7351.7	7237.9	7178.9
10°	10726.3	10389.2	9512.9	8476.5	7692.9	7427.5	7010.4	6778.7	6437.4	6268.9	6151.0
12.5°	10406.1	9913.2	8817.8	7764.5	7242.1	6968.3	6614.4	6193.1	5788.6	5632.8	5417.9
15°	10439.8	9850.0	8615.6	7478.0	6850.3	6319.5	6003.5	5535.9	5123.0	4849.1	4693.3
17.5°	10949.5	10233.3	8708.2	7259.0	6357.4	5691.7	5072.4	4566.9	4238.3	4031.8	3981.3
20°	12154.5	11181.3	8864.1	6905.1	5864.5	5034.5	4272.0	3745.3	3492.6	3488.4	3492.6
22.5°	13157.2	12192.4	9180.1	6694.4	5371.6	4191.9	3433.6	3265.1	3214.5	3319.8	3332.5
25°	14509.5	13329.9	9723.6	6584.9	4916.6	3572.6	3105.0	3041.8	3037.6	3172.4	3176.6
27.5°	15895.6	14324.1	10048.0	6264.7	4453.1	3252.4	2907.0	2894.3	2961.7	3105.0	3092.3
30°	16839.3	15158.3	10633.6	5881.3	3905.4	2970.2	2826.9	2843.8	2936.5	3046.0	3062.8
32.5°	17938.9	15979.9	10785.2	5670.7	3568.4	2734.2	2633.1	2671.0	2789.0	2961.7	3054.4
35°	19198.6	16561.2	11017.0	5384.2	3442.0	2553.1	2502.5	2544.6	2687.9	2801.6	2902.7
37.5°	20129.6	17589.2	11059.1	5160.9	3303.0	2452.0	2371.9	2510.9	2595.2	2755.3	2805.8
40°	20820.6	18334.9	11168.6	5021.9	3193.4	2321.4	2321.4	2414.0	2527.8	2675.2	2776.4
42.5°	21262.9	18878.4	11248.7	4895.5	2982.8	2283.4	2262.4	2355.1	2506.7	2650.0	2696.3
44°	21532.6	19110.1	11168.6	4777.5	2923.8	2237.1	2237.1	2317.1	2435.1	2603.6	2658.4
45°	21600.0	19400.8	10991.7	4773.3	2852.2	2182.3	2173.9	2325.6	2405.6	2612.1	2645.8
47.5°	21861.2	19758.9	11012.7	4638.5	2679.5	2051.7	2199.2	2266.6	2338.2	2519.4	2633.1
50°	21852.8	19982.2	10966.4	4440.5	2553.1	1904.3	2148.6	2224.5	2296.1	2481.4	2527.8
52.5°	21911.7	20816.4	11391.9	4124.5	2325.6	1714.7	1980.1	2148.6	2237.1	2393.0	2489.9
55°	21882.2	21292.4	11813.2	3888.6	2005.4	1600.9	1836.9	2034.9	2161.3	2325.6	2371.9
57.5°	19986.4	18819.4	10932.7	3446.2	1659.9	1466.1	1634.6	1916.9	2077.0	2245.5	2304.5
60°	16329.5	14505.3	9015.8	2536.2	1365.0	1348.2	1520.9	1879.0	1946.4	2093.9	2195.0
62.5°	15090.9	12723.2	7149.4	1938.0	1167.0	1234.4	1402.9	1697.8	1803.2	1984.3	2077.0
65°	11809.0	8451.2	4427.8	1310.2	1028.0	1108.0	1268.1	1487.2	1659.9	1828.4	1938.0
67.5°	6993.6	4617.4	2190.8	918.4	897.4	981.6	1145.9	1310.2	1508.2	1693.6	1748.4
70°	3808.5	2270.8	935.3	699.4	762.6	838.4	998.5	1112.2	1301.8	1445.1	1537.7
72.5°	1221.8	690.9	467.6	518.2	581.4	669.9	766.8	905.8	1040.6	1124.9	1200.7
75°	294.9	290.7	332.8	362.3	421.3	488.7	568.8	640.4	745.7	825.7	893.2
77.5°	206.4	223.3	257.0	299.1	320.2	345.5	396.0	450.8	497.1	556.1	598.2
80°	160.1	172.7	198.0	219.1	240.1	261.2	286.5	307.5	337.0	375.0	396.0
82.5°	151.7	160.1	185.4	198.0	189.6	185.4	202.2	210.6	214.9	227.5	240.1
85°	12.6	0.0	8.4	29.5	71.6	105.3	113.8	113.8	109.5	118.0	118.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	16.9	12.6
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: P530576

CATALOG NUMBER: GALN-SA5D-740-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7
2.5°	11391.9	11248.7	11303.4	11370.8	11273.9	11050.7	11109.6	11084.4	11311.9	11295.0	11522.5
5°	9550.8	9327.5	9352.8	9681.4	9576.1	9689.9	9462.4	9432.9	9475.0	9496.1	9534.0
7.5°	7309.5	7280.0	7532.8	7810.9	7941.5	7806.7	7583.4	7532.8	7486.5	7393.8	7604.4
10°	5965.6	5974.0	5957.2	6167.8	6315.3	6285.8	6151.0	6134.1	6045.6	6011.9	6129.9
12.5°	5325.2	5211.5	5156.7	5089.3	5203.0	5278.9	5219.9	5177.8	5182.0	5224.1	5241.0
15°	4705.9	4634.3	4516.3	4440.5	4495.3	4457.3	4436.3	4520.5	4499.5	4491.0	4592.2
17.5°	4010.8	4069.7	4061.3	3977.1	4048.7	4019.2	4015.0	3956.0	3875.9	3817.0	3850.7
20°	3551.5	3661.1	3745.3	3749.6	3787.5	3783.3	3720.1	3538.9	3479.9	3467.3	3475.7
22.5°	3387.2	3446.2	3547.3	3690.6	3690.6	3623.2	3547.3	3336.7	3281.9	3222.9	3197.7
25°	3256.6	3370.4	3501.0	3517.8	3585.3	3522.1	3399.9	3294.6	3180.8	3100.8	3100.8
27.5°	3189.2	3315.6	3412.5	3442.0	3534.7	3484.1	3357.7	3222.9	3088.1	3083.9	3012.3
30°	3159.7	3277.7	3340.9	3412.5	3454.6	3374.6	3336.7	3193.4	3058.6	3024.9	2907.0
32.5°	3071.3	3239.8	3357.7	3340.9	3374.6	3340.9	3286.1	3168.2	3016.5	2940.7	2928.0
35°	2970.2	3138.7	3265.1	3353.5	3374.6	3303.0	3269.3	3109.2	2902.7	2864.8	2734.2
37.5°	2915.4	3016.5	3172.4	3315.6	3345.1	3307.2	3193.4	3029.1	2822.7	2780.6	2666.8
40°	2848.0	2978.6	3100.8	3218.7	3307.2	3214.5	3083.9	2923.8	2831.1	2704.7	2671.0
42.5°	2797.4	2944.9	3046.0	3176.6	3277.7	3155.5	3003.9	2894.3	2763.7	2679.5	2582.6
44°	2780.6	2915.4	2982.8	3142.9	3227.1	3134.5	3008.1	2894.3	2742.7	2666.8	2582.6
45°	2721.6	2907.0	2978.6	3121.8	3193.4	3117.6	2957.5	2843.8	2734.2	2641.5	2553.1
47.5°	2662.6	2789.0	2911.2	3024.9	3075.5	3050.2	2915.4	2776.4	2645.8	2591.0	2506.7
50°	2645.8	2772.1	2885.9	2991.2	3050.2	2999.6	2877.5	2742.7	2591.0	2502.5	2430.9
52.5°	2561.5	2717.4	2843.8	2877.5	2953.3	2923.8	2831.1	2683.7	2540.4	2464.6	2405.6
55°	2439.3	2603.6	2776.4	2818.5	2928.0	2881.7	2742.7	2603.6	2481.4	2367.7	2291.9
57.5°	2393.0	2553.1	2721.6	2776.4	2843.8	2767.9	2734.2	2586.8	2393.0	2334.0	2216.0
60°	2275.0	2477.2	2616.3	2742.7	2746.9	2725.8	2666.8	2498.3	2338.2	2228.7	2144.4
62.5°	2182.3	2371.9	2481.4	2599.4	2671.0	2612.1	2553.1	2397.2	2224.5	2102.3	2005.4
65°	2047.5	2220.2	2312.9	2384.5	2464.6	2456.2	2355.1	2241.3	2060.1	1963.3	1870.6
67.5°	1841.1	1992.7	2119.1	2186.5	2237.1	2224.5	2148.6	2068.6	1883.2	1786.3	1718.9
70°	1592.5	1748.4	1828.4	1866.4	1916.9	1942.2	1883.2	1845.3	1681.0	1554.6	1491.4
72.5°	1280.7	1381.9	1499.8	1533.5	1554.6	1571.4	1571.4	1537.7	1369.2	1318.7	1209.1
75°	943.7	1023.8	1112.2	1112.2	1150.1	1154.4	1162.8	1141.7	1015.3	947.9	922.6
77.5°	640.4	699.4	771.0	800.5	825.7	821.5	817.3	758.3	690.9	661.4	636.2
80°	417.1	476.1	509.8	547.7	573.0	568.8	577.2	535.0	505.6	455.0	463.4
82.5°	248.6	294.9	328.6	375.0	375.0	387.6	387.6	375.0	345.5	320.2	320.2
85°	118.0	155.9	176.9	206.4	223.3	227.5	202.2	172.7	143.2	130.6	143.2
87.5°	21.1	29.5	42.1	37.9	46.3	42.1	42.1	42.1	42.1	33.7	37.9
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: P530576

CATALOG NUMBER: GALN-SA5D-740-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7	12870.7
2.5°	11438.3	11648.9	11796.4	12040.7	12462.0	12799.0	13144.5	13401.5	13431.0	13506.8
5°	9673.0	9786.8	10161.7	10650.4	10995.9	11564.6	11931.2	12596.8	12845.4	13110.8
7.5°	7553.9	7739.3	8240.6	8569.2	9327.5	10039.5	10776.8	11598.3	11927.0	11964.9
10°	6370.0	6639.7	6980.9	7507.5	7920.4	8712.5	9630.9	10545.1	10911.6	10974.8
12.5°	5594.8	5940.3	6395.3	6774.5	7170.5	7861.4	8741.9	9871.0	10347.1	10633.6
15°	4849.1	5207.2	5708.6	6235.2	6584.9	7410.6	8447.0	9719.4	10338.7	10591.4
17.5°	4082.4	4415.2	4828.1	5396.8	6100.4	7027.3	8400.7	10224.9	10903.2	11198.1
20°	3425.2	3610.5	4090.8	4676.4	5556.9	6635.5	8417.5	10970.6	11964.9	12095.5
22.5°	3168.2	3210.3	3399.9	3939.1	4903.9	6235.2	8716.7	12028.1	13157.2	13586.9
25°	2970.2	2961.7	3012.3	3374.6	4427.8	6079.3	9011.6	13001.3	14480.0	14947.7
27.5°	2860.6	2776.4	2780.6	3121.8	4090.8	5826.6	9390.7	14117.7	15979.9	16186.3
30°	2805.8	2789.0	2738.4	2877.5	3724.3	5447.4	9453.9	15217.3	16864.6	17163.7
32.5°	2772.1	2607.8	2544.6	2595.2	3378.8	5034.5	9689.9	15941.9	17960.0	17829.4
35°	2603.6	2456.2	2414.0	2464.6	3134.5	4802.8	9534.0	16573.9	18781.5	19000.6
37.5°	2540.4	2409.8	2325.6	2283.4	2907.0	4609.0	9453.9	17547.1	19577.7	20104.4
40°	2481.4	2342.4	2241.3	2199.2	2730.0	4352.0	9428.7	18297.0	20496.2	20812.1
42.5°	2414.0	2325.6	2211.8	2136.0	2515.2	4095.0	9138.0	18528.7	20778.4	21119.7
44°	2393.0	2258.2	2140.2	2114.9	2430.9	3964.4	9079.0	18739.4	21022.8	21541.0
45°	2371.9	2245.5	2110.7	2077.0	2401.4	3892.8	8998.9	18789.9	21427.2	21524.1
47.5°	2312.9	2232.9	2102.3	2009.6	2338.2	3736.9	8758.8	18503.4	21014.4	21031.2
50°	2266.6	2173.9	2039.1	1857.9	2253.9	3606.3	8868.3	18398.1	20020.1	20058.0
52.5°	2216.0	2077.0	2001.2	1689.4	2114.9	3496.8	9100.0	18874.2	20133.9	20125.4
55°	2157.0	2005.4	1820.0	1546.2	1883.2	3357.7	9660.4	19813.7	21187.1	21330.3
57.5°	2064.4	1933.8	1668.3	1419.8	1617.8	3092.3	9479.2	18014.7	19493.5	19518.8
60°	1942.2	1820.0	1512.5	1322.9	1327.1	2439.3	8476.5	14037.7	15381.6	15748.1
62.5°	1824.2	1756.8	1381.9	1183.8	1129.1	1942.2	7166.3	11665.8	13203.5	13506.8
65°	1685.2	1520.9	1268.1	1078.5	969.0	1360.8	5076.6	8716.7	10300.7	10709.4
67.5°	1508.2	1331.3	1116.4	947.9	830.0	910.0	2620.5	4954.5	6559.6	6799.8
70°	1318.7	1154.4	939.5	800.5	669.9	627.7	1154.4	2363.5	3585.3	3833.8
72.5°	1082.7	931.1	749.9	631.9	501.3	433.9	387.6	631.9	1272.3	1478.8
75°	783.6	678.3	564.5	450.8	353.9	278.1	227.5	189.6	210.6	227.5
77.5°	577.2	492.9	417.1	320.2	248.6	198.0	155.9	118.0	113.8	109.5
80°	450.8	400.2	332.8	257.0	193.8	147.5	109.5	80.0	71.6	71.6
82.5°	353.9	328.6	273.8	210.6	160.1	118.0	80.0	54.8	46.3	46.3
85°	134.8	134.8	198.0	172.7	122.2	84.3	54.8	29.5	25.3	25.3
87.5°	33.7	33.7	33.7	33.7	29.5	25.3	25.3	12.6	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)