

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: P530913

Luminaire Tested: **GALN-SA6A-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530913
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: McGRAW-EDISON
Catalog Number: GALN-SA6A-830-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA 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: 11913 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 182
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

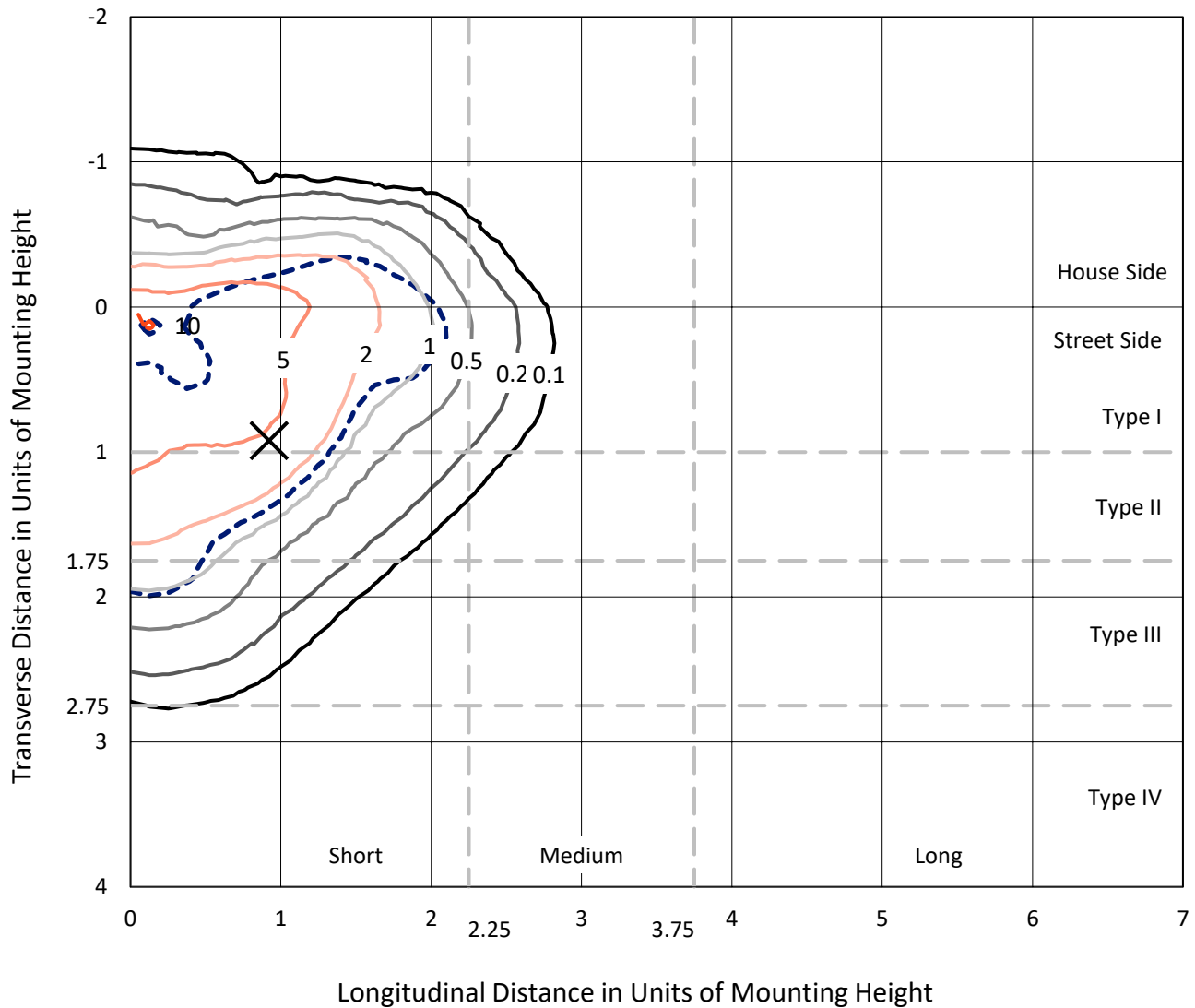


REPORT NUMBER: P530913

CATALOG NUMBER: GALN-SA6A-830-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

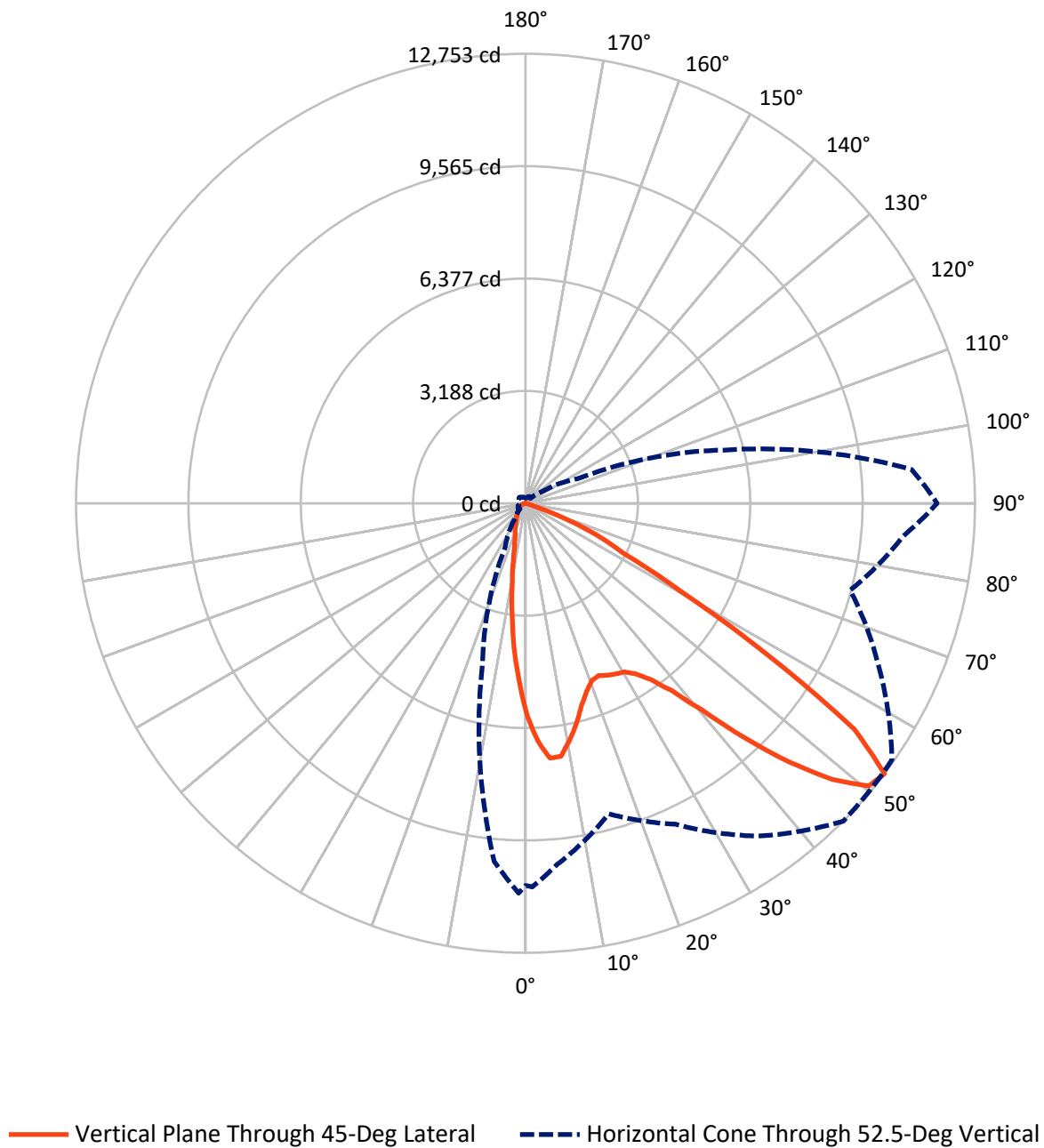
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Short - N/A

REPORT NUMBER: P530913
CATALOG NUMBER: GALN-SA6A-830-U-SLL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P530913

CATALOG NUMBER: GALN-SA6A-830-U-SLL-GRSBK

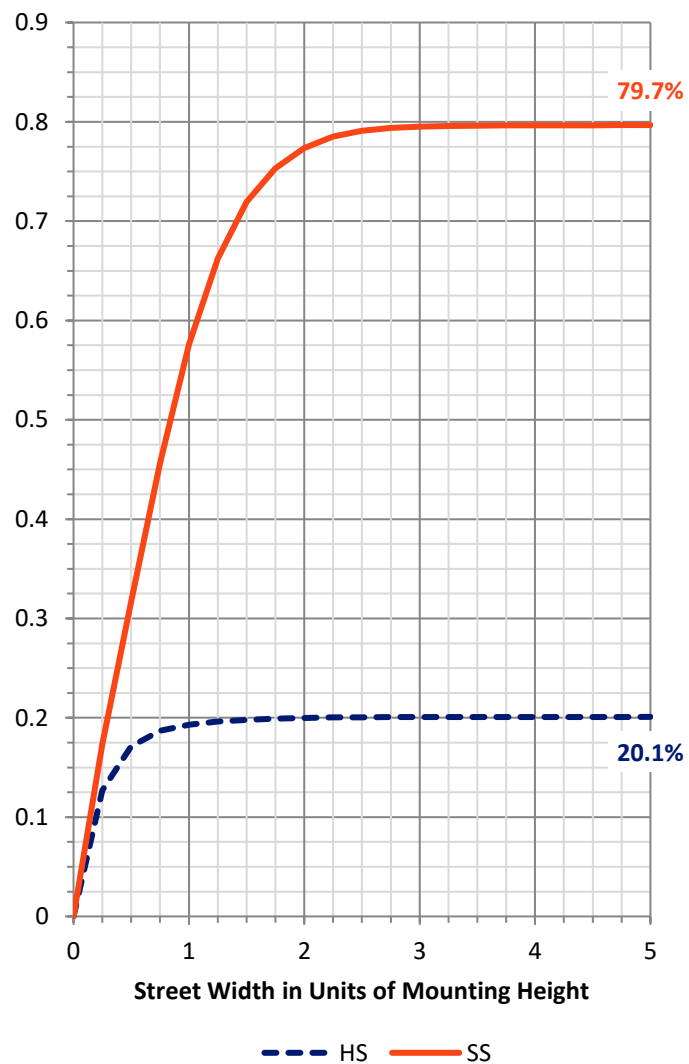
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2417.7	0.0	2417.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	9495.2	0.0	9495.2
	% Fixture	79.7	0.0	79.7
Total	Lumens	11913.0	0.0	11913.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.5	3.7
10°-20°	869.1	7.3
20°-30°	1322.7	11.1
30°-40°	1976.9	16.6
40°-50°	2815.3	23.6
50°-60°	3026.3	25.4
60°-70°	1341.0	11.3
70°-80°	108.5	0.9
80°-90°	12.6	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°	11913.0	100.0
0°-180°	11913.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530913

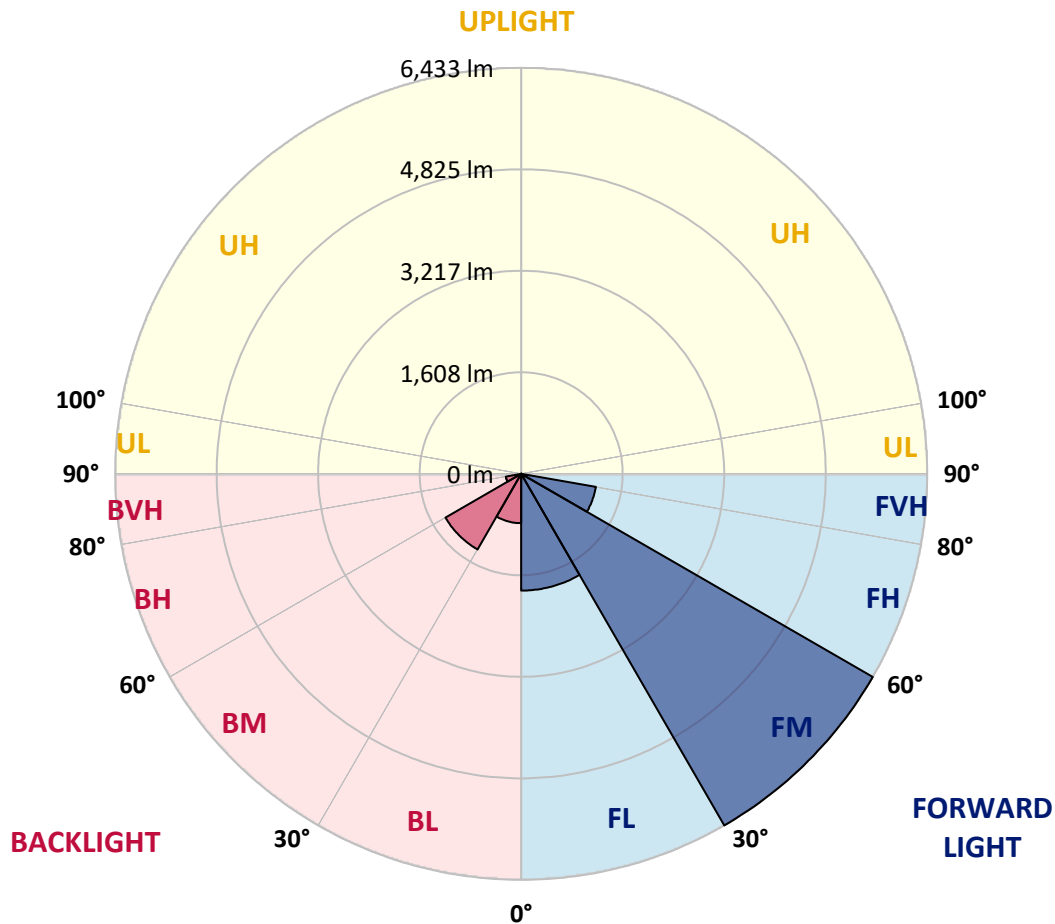
CATALOG NUMBER: GALN-SA6A-830-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1850.3	15.5			
FM	(30°-60°)	6433.4	54.0			
FH	(60°-80°)	1202.2	10.1			G1/1800
FVH	(80°-90°)	9.4	0.1			G0/10
BL	(0°-30°)	782.0	6.6	B2/1000		
BM	(30°-60°)	1385.1	11.6	B2/2500		
BH	(60°-80°)	247.4	2.1	B1/500		G1/500
BVH	(80°-90°)	3.3	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: P530913

CATALOG NUMBER: GALN-SA6A-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6391.9	6410.7	6513.7	6642.6	6710.6	6865.2	6757.4	6785.5	6727.0	6520.8	6359.1
5°	6197.4	6195.1	6326.3	6645.0	6947.2	7254.2	7263.5	7099.5	6811.3	6495.0	6042.8
7.5°	5611.7	5703.0	5838.9	6347.4	6907.4	7137.0	7247.1	7055.0	6612.2	6159.9	5670.2
10°	5168.8	5215.7	5445.3	6059.2	6469.2	6776.2	6844.1	6734.0	6394.2	5829.6	5281.3
12.5°	4913.4	4936.9	5206.3	5721.8	6155.3	6382.5	6415.3	6466.9	6223.2	5693.7	5035.3
15°	4915.8	4934.5	5297.7	5728.8	5899.9	5838.9	5946.7	5944.4	6049.8	5667.9	5241.5
17.5°	5269.6	5290.7	5618.7	5831.9	5756.9	5614.0	5607.0	5714.8	5937.3	5988.9	5553.1
20°	5878.8	5928.0	6169.3	6157.6	5735.8	5447.6	5368.0	5450.0	5967.8	6260.7	6181.0
22.5°	6698.8	6766.8	6935.5	6612.2	5831.9	5335.2	5309.4	5468.7	6169.3	6867.5	6893.3
25°	7650.1	7764.9	7847.0	7432.2	6174.0	5529.7	5407.8	5682.0	6441.1	7526.0	7800.1
27.5°	8280.4	8399.9	8381.2	7788.4	6403.6	5581.2	5478.1	5733.5	6677.8	7682.9	8273.4
30°	8772.5	8845.1	8976.3	7980.5	6633.2	5726.5	5550.7	5951.4	6755.1	7954.7	8845.1
32.5°	9346.5	9395.7	9405.1	8320.3	6987.0	5909.2	5775.7	6223.2	7097.2	8214.8	9351.2
35°	9925.3	9997.9	9845.6	8739.7	7205.0	6249.0	6150.6	6694.2	7371.3	8484.3	9908.9
37.5°	10553.2	10590.7	10239.2	8913.1	7516.6	6801.9	6748.1	7202.6	7847.0	8971.6	10527.4
40°	11080.4	11115.5	10658.6	9126.3	7844.6	7575.2	7713.4	8172.6	8493.6	9287.9	10836.7
42.5°	11373.3	11455.3	10799.2	9009.1	8503.0	8451.5	9065.4	9227.0	9243.4	9377.0	11113.2
45°	11452.9	11415.5	10567.3	9105.2	9079.4	9892.5	10450.1	10663.3	9988.5	9541.0	11183.5
47.5°	11085.1	11134.3	10225.2	9020.8	9836.2	10984.3	11706.0	12102.0	10543.8	9398.1	11010.1
50°	10787.5	10724.2	10115.1	8959.9	10040.1	11499.8	12612.8	12701.8	11054.6	9573.8	10820.3
52.5°	10846.1	10885.9	10290.8	9121.6	10044.8	11530.3	12753.4	12692.4	11071.0	9534.0	10752.4
55°	10970.3	10794.5	10215.8	8765.4	9372.3	10679.7	11319.4	11225.7	10218.1	9109.9	10586.0
57.5°	9466.0	9737.8	9393.4	7825.9	7692.3	8046.1	8034.4	8322.6	7622.0	7839.9	9637.1
60°	7682.9	7729.8	7858.7	6694.2	5323.5	5201.6	5032.9	4850.2	5129.0	6703.5	8765.4
62.5°	6757.4	6701.2	7160.4	6089.6	3758.3	3146.7	3118.6	3231.1	3957.5	6394.2	8221.8
65°	4911.1	4981.4	5314.1	4726.0	2821.1	2401.7	2359.5	2692.2	3203.0	5124.3	6274.8
67.5°	2999.1	3135.0	3165.5	2914.8	1914.3	1520.7	1459.7	1762.0	2312.6	3315.4	3678.6
70°	1384.8	1548.8	1703.4	1590.9	1108.3	625.6	590.5	740.4	1166.9	1907.3	1951.8
72.5°	419.4	421.8	590.5	616.2	358.5	140.6	124.2	164.0	396.0	630.3	663.1
75°	30.5	32.8	79.7	91.4	67.9	35.1	37.5	44.5	84.4	140.6	105.4
77.5°	2.3	2.3	2.3	11.7	21.1	23.4	30.5	35.1	44.5	51.5	46.9
80°	2.3	0.0	2.3	9.4	16.4	23.4	28.1	32.8	35.1	39.8	35.1
82.5°	0.0	0.0	0.0	7.0	16.4	23.4	25.8	35.1	39.8	46.9	39.8
85°	0.0	0.0	0.0	7.0	16.4	25.8	23.4	11.7	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: P530913

CATALOG NUMBER: GALN-SA6A-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	6387.2	6295.8	6087.3	5981.9	5733.5	5698.4	5454.7	5414.8	5332.8	5288.3	5180.5
5°	5843.6	5733.5	5393.8	5107.9	4775.2	4543.2	4365.1	4203.5	4109.8	4023.1	4062.9
7.5°	5400.8	5079.8	4702.5	4224.6	3840.3	3591.9	3320.1	3097.5	2966.3	2877.3	2898.4
10°	4936.9	4728.3	4203.5	3666.9	3203.0	3027.3	2814.0	2643.0	2457.9	2298.6	2223.6
12.5°	4791.6	4482.3	3823.9	3278.0	2926.5	2755.5	2511.8	2315.0	2078.3	1883.8	1815.9
15°	4817.4	4519.8	3720.8	3137.4	2722.7	2427.4	2136.9	1893.2	1633.1	1497.2	1426.9
17.5°	5236.8	4721.3	3788.8	2989.8	2439.1	2029.1	1670.6	1361.3	1166.9	1026.3	995.8
20°	5752.2	5157.1	3934.0	2882.0	2207.2	1614.4	1220.7	953.6	792.0	768.5	761.5
22.5°	6506.7	5869.4	4245.7	2809.3	1923.7	1258.2	836.5	693.5	649.0	644.3	646.7
25°	7561.1	6762.1	4585.4	2748.4	1710.4	970.0	684.2	588.1	574.1	567.0	578.7
27.5°	8018.0	7301.0	4765.8	2617.2	1516.0	874.0	674.8	583.4	543.6	531.9	538.9
30°	8582.7	7659.5	5049.3	2392.3	1230.1	719.3	630.3	635.0	616.2	557.7	538.9
32.5°	9332.5	8107.0	5192.3	2232.9	1098.9	595.1	461.6	424.1	473.3	482.7	499.1
35°	9812.8	8561.6	5264.9	2139.2	1031.0	508.4	391.3	356.1	344.4	346.8	356.1
37.5°	10705.5	9175.5	5356.3	2040.8	979.4	442.8	353.8	321.0	304.6	304.6	314.0
40°	11239.7	9662.8	5480.5	1986.9	927.9	403.0	321.0	292.9	278.8	278.8	283.5
42.5°	11373.3	9904.2	5438.3	1968.2	869.3	393.6	292.9	271.8	255.4	253.1	250.7
45°	11612.3	10272.0	5445.3	1947.1	808.4	358.5	276.5	253.1	229.6	227.3	224.9
47.5°	11874.7	10536.8	5459.4	1865.1	749.8	299.9	288.2	234.3	206.2	201.5	201.5
50°	11649.8	10747.7	5581.2	1783.1	674.8	243.7	283.5	220.2	182.8	175.7	178.1
52.5°	11677.9	10996.0	5838.9	1668.3	581.1	194.5	229.6	208.5	166.4	154.6	157.0
55°	11228.0	10733.6	5874.1	1546.4	454.6	150.0	175.7	182.8	140.6	135.9	135.9
57.5°	9665.2	9088.8	5182.9	1253.5	299.9	124.2	126.5	159.3	121.8	117.2	119.5
60°	8271.1	7296.3	4170.7	827.1	187.4	98.4	91.4	161.7	107.8	105.4	112.5
62.5°	7540.0	5995.9	3163.1	513.1	128.9	75.0	63.3	131.2	93.7	93.7	103.1
65°	5447.6	4027.7	1839.3	269.5	91.4	58.6	46.9	75.0	77.3	79.7	84.4
67.5°	3374.0	2033.8	775.6	131.2	60.9	39.8	30.5	46.9	51.5	51.5	56.2
70°	1665.9	810.7	257.7	75.0	46.9	32.8	21.1	25.8	25.8	23.4	25.8
72.5°	515.5	243.7	65.6	46.9	32.8	21.1	11.7	9.4	4.7	0.0	2.3
75°	58.6	46.9	42.2	32.8	21.1	9.4	2.3	0.0	0.0	0.0	0.0
77.5°	35.1	39.8	39.8	32.8	21.1	7.0	0.0	0.0	0.0	0.0	0.0
80°	28.1	30.5	32.8	30.5	18.7	9.4	0.0	0.0	0.0	0.0	0.0
82.5°	35.1	39.8	44.5	39.8	25.8	11.7	4.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	7.0	2.3	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: P530913

CATALOG NUMBER: GALN-SA6A-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	5136.0	5084.5	5157.1	5049.3	5047.0	5049.3	5018.9	4990.7	5035.3	5154.8	5166.5
5°	3920.0	4030.1	4065.2	4180.0	4116.8	4023.1	4041.8	3978.5	4133.2	4201.1	4147.2
7.5°	2853.9	2846.8	3083.5	3097.5	3128.0	3130.3	3125.7	3001.5	2875.0	2903.1	2987.4
10°	2214.2	2094.7	2209.5	2197.8	2272.8	2251.7	2282.2	2148.6	2193.1	2193.1	2247.0
12.5°	1804.2	1677.6	1656.6	1626.1	1656.6	1668.3	1680.0	1654.2	1729.2	1764.3	1801.8
15°	1377.7	1307.4	1288.7	1230.1	1239.5	1272.3	1300.4	1312.1	1288.7	1342.6	1347.3
17.5°	1000.5	998.1	1009.9	1007.5	998.1	991.1	988.8	958.3	948.9	953.6	972.4
20°	759.2	777.9	817.7	857.6	878.7	852.9	817.7	766.2	745.1	749.8	752.1
22.5°	649.0	677.1	731.0	775.6	796.6	749.8	686.5	642.0	632.6	630.3	627.9
25°	588.1	620.9	660.7	674.8	672.5	644.3	597.5	578.7	574.1	569.4	548.3
27.5°	555.3	567.0	574.1	590.5	597.5	578.7	567.0	538.9	534.2	534.2	520.2
30°	536.6	529.5	538.9	527.2	536.6	522.5	524.8	524.8	513.1	517.8	517.8
32.5°	499.1	501.4	501.4	478.0	485.0	468.6	485.0	499.1	501.4	503.8	522.5
35°	365.5	407.7	428.8	428.8	435.8	424.1	421.8	405.4	384.3	363.2	353.8
37.5°	321.0	337.4	365.5	381.9	393.6	384.3	363.2	337.4	325.7	316.3	306.9
40°	285.9	299.9	318.7	337.4	360.8	349.1	316.3	304.6	290.5	290.5	281.2
42.5°	257.7	264.8	276.5	304.6	330.4	306.9	283.5	274.1	267.1	264.8	262.4
45°	232.0	234.3	246.0	269.5	299.9	276.5	253.1	241.3	243.7	246.0	243.7
47.5°	208.5	213.2	220.2	248.4	267.1	255.4	229.6	222.6	222.6	222.6	224.9
50°	180.4	192.1	206.2	229.6	243.7	236.7	215.6	206.2	201.5	201.5	203.8
52.5°	161.7	171.0	189.8	217.9	236.7	224.9	203.8	189.8	180.4	178.1	182.8
55°	140.6	157.0	187.4	208.5	234.3	222.6	199.2	182.8	166.4	164.0	164.0
57.5°	126.5	152.3	180.4	206.2	227.3	217.9	199.2	178.1	157.0	154.6	154.6
60°	119.5	147.6	175.7	199.2	227.3	213.2	196.8	173.4	150.0	150.0	147.6
62.5°	112.5	138.2	166.4	189.8	217.9	206.2	189.8	166.4	142.9	142.9	138.2
65°	93.7	119.5	138.2	159.3	189.8	178.1	161.7	145.3	126.5	121.8	124.2
67.5°	65.6	82.0	100.8	121.8	140.6	135.9	128.9	117.2	100.8	98.4	96.1
70°	32.8	44.5	60.9	82.0	98.4	93.7	89.0	79.7	70.3	67.9	67.9
72.5°	4.7	14.1	25.8	37.5	51.5	53.9	51.5	49.2	46.9	44.5	46.9
75°	0.0	0.0	0.0	9.4	21.1	25.8	30.5	35.1	35.1	30.5	37.5
77.5°	0.0	0.0	0.0	0.0	2.3	11.7	23.4	30.5	37.5	32.8	44.5
80°	0.0	0.0	0.0	0.0	2.3	14.1	23.4	32.8	37.5	32.8	46.9
82.5°	0.0	0.0	0.0	0.0	2.3	16.4	23.4	30.5	35.1	32.8	42.2
85°	0.0	0.0	0.0	0.0	7.0	14.1	9.4	4.7	2.3	2.3	7.0
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: P530913

CATALOG NUMBER: GALN-SA6A-830-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4	6040.4
2.5°	5232.1	5398.4	5576.5	5644.5	5855.3	6014.7	6122.5	6354.4	6389.6	6391.9
5°	4203.5	4287.8	4592.4	4735.4	5049.3	5293.0	5553.1	5928.0	6178.7	6197.4
7.5°	2987.4	3221.7	3350.6	3723.1	4109.8	4491.7	4878.3	5314.1	5604.6	5611.7
10°	2404.0	2556.3	2785.9	3064.7	3390.4	3779.4	4294.9	4801.0	5096.2	5168.8
12.5°	1935.4	2202.5	2464.9	2753.1	3001.5	3294.4	3849.7	4524.5	4768.2	4913.4
15°	1490.2	1733.9	2043.2	2380.6	2661.7	3053.0	3685.7	4456.5	4866.6	4915.8
17.5°	1098.9	1316.8	1602.7	1921.3	2343.1	2898.4	3713.8	4801.0	5187.6	5269.6
20°	789.6	916.1	1141.1	1511.3	2047.8	2718.0	3741.9	5150.1	5738.2	5878.8
22.5°	625.6	677.1	824.8	1152.8	1717.5	2528.2	3941.1	5817.9	6495.0	6698.8
25°	543.6	571.7	642.0	909.1	1508.9	2509.4	4259.7	6619.2	7502.5	7650.1
27.5°	524.8	529.5	590.5	834.1	1396.5	2385.2	4381.5	7188.6	8130.5	8280.4
30°	553.0	627.9	632.6	705.3	1187.9	2139.2	4444.8	7739.2	8662.3	8772.5
32.5°	478.0	454.6	471.0	545.9	1045.0	1996.3	4564.3	8219.5	9269.2	9346.5
35°	332.7	349.1	386.6	473.3	913.8	1846.3	4594.8	8749.0	9845.6	9925.3
37.5°	306.9	316.3	346.8	403.0	803.7	1762.0	4552.6	9135.6	10443.1	10553.2
40°	285.9	297.6	314.0	365.5	721.7	1668.3	4494.0	9484.8	10808.6	11080.4
42.5°	269.5	278.8	292.9	349.1	651.4	1574.5	4412.0	9976.8	11136.6	11373.3
45°	250.7	264.8	281.2	339.7	611.5	1511.3	4351.1	9946.3	11326.4	11452.9
47.5°	232.0	255.4	274.1	316.3	599.8	1480.8	4376.9	9831.5	11171.8	11085.1
50°	213.2	243.7	276.5	262.4	571.7	1419.9	4407.3	9988.5	10803.9	10787.5
52.5°	196.8	232.0	257.7	215.6	508.4	1361.3	4702.5	10194.7	11064.0	10846.1
55°	173.4	208.5	206.2	173.4	412.4	1316.8	4934.5	10199.4	10888.3	10970.3
57.5°	157.0	185.1	161.7	145.3	304.6	1101.2	4557.3	8552.2	9320.7	9466.0
60°	145.3	180.4	121.8	114.8	199.2	794.3	3978.5	6623.9	7408.8	7682.9
62.5°	133.6	171.0	96.1	93.7	138.2	564.7	3270.9	5543.7	6384.9	6757.4
65°	117.2	121.8	77.3	72.6	98.4	304.6	1991.6	3816.9	4772.8	4911.1
67.5°	96.1	93.7	63.3	58.6	65.6	147.6	878.7	1911.9	2767.2	2999.1
70°	77.3	77.3	53.9	46.9	46.9	67.9	229.6	761.5	1251.2	1384.8
72.5°	56.2	58.6	42.2	37.5	35.1	32.8	37.5	152.3	328.0	419.4
75°	49.2	51.5	42.2	32.8	25.8	21.1	16.4	14.1	18.7	30.5
77.5°	53.9	53.9	44.5	30.5	23.4	16.4	9.4	4.7	4.7	2.3
80°	67.9	70.3	58.6	39.8	28.1	18.7	11.7	4.7	2.3	2.3
82.5°	72.6	79.7	65.6	49.2	35.1	21.1	11.7	2.3	0.0	0.0
85°	18.7	30.5	51.5	44.5	35.1	21.1	11.7	2.3	0.0	0.0
87.5°	0.0	2.3	7.0	7.0	9.4	9.4	7.0	2.3	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)