

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: P530757

Luminaire Tested: **GALN-SA6A-730-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530757
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-730-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 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: 13653 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

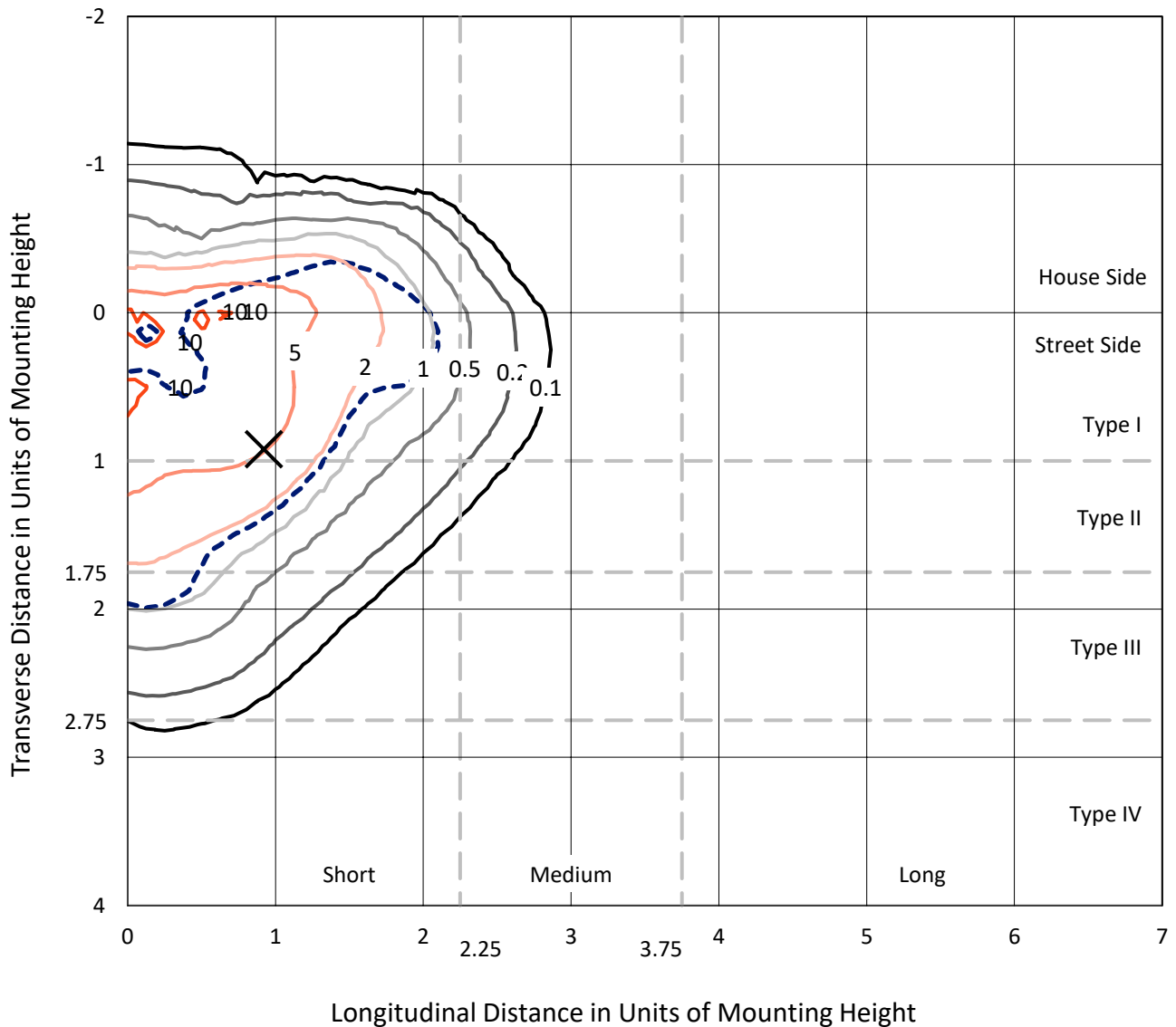
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

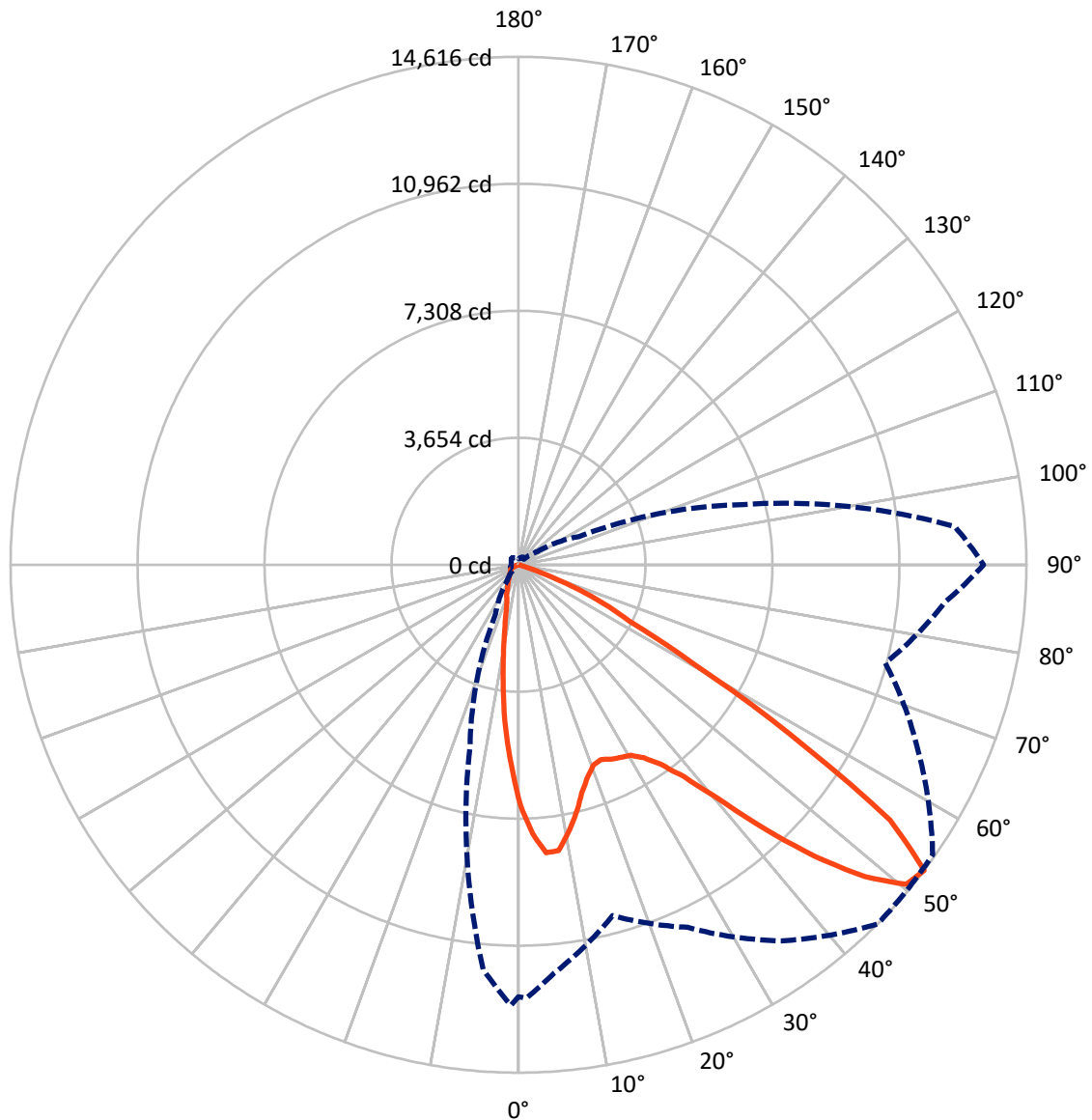
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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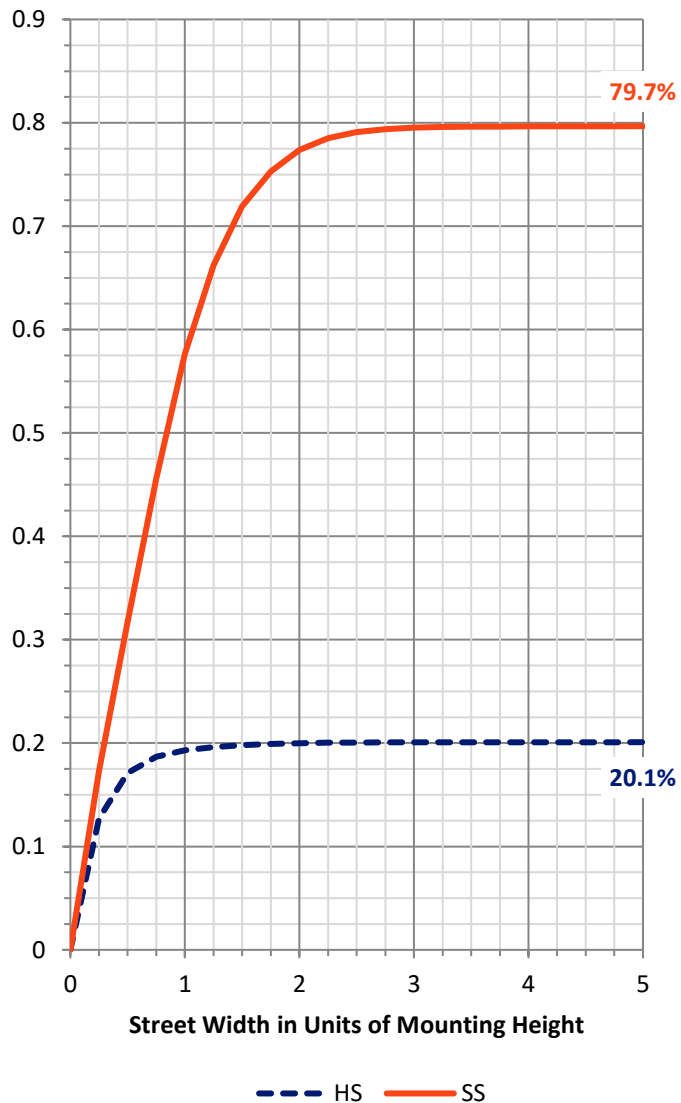
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2770.9	0.0	2770.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	10882.1	0.0	10882.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	13653.0	0.0	13653.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.9	3.7
10°-20°	996.1	7.3
20°-30°	1515.9	11.1
30°-40°	2265.6	16.6
40°-50°	3226.5	23.6
50°-60°	3468.4	25.4
60°-70°	1536.9	11.3
70°-80°	124.4	0.9
80°-90°	14.5	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°	13653.0	100.0
0°-180°	13653.0	100.0

Coefficient of Utilization



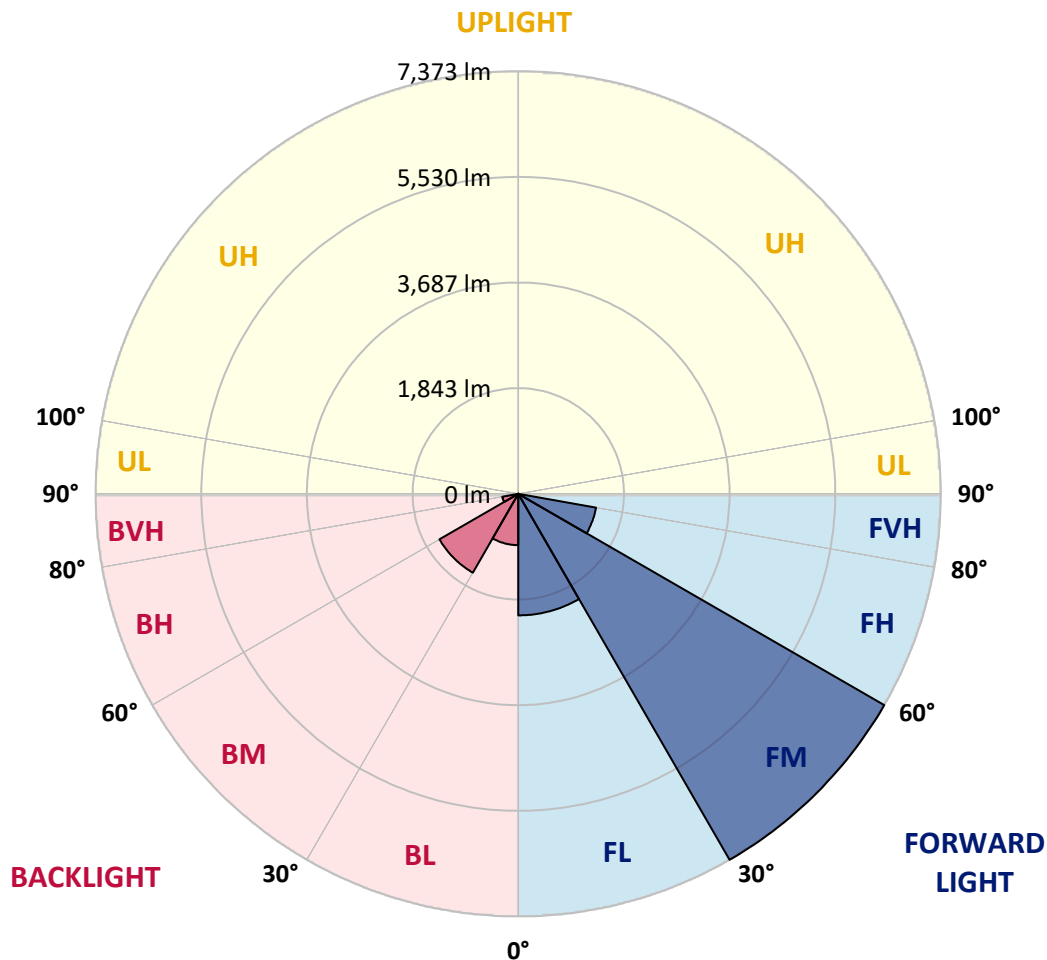
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2120.6	15.5			
FM (30°-60°)	7373.0	54.0			
FH (60°-80°)	1377.8	10.1			G1/1800
FVH (80°-90°)	10.7	0.1			G1/100
BL (0°-30°)	896.2	6.6	B2/1000		
BM (30°-60°)	1587.4	11.6	B2/2500		
BH (60°-80°)	283.5	2.1	B1/500		G1/500
BVH (80°-90°)	3.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7
2.5°	7325.5	7347.0	7465.1	7612.8	7690.7	7867.9	7744.4	7776.6	7709.5	7473.2	7287.9
5°	7102.6	7099.9	7250.3	7615.5	7961.9	8313.7	8324.4	8136.5	7806.2	7443.7	6925.4
7.5°	6431.3	6536.0	6691.8	7274.5	7916.3	8179.4	8305.6	8085.4	7577.9	7059.7	6498.4
10°	5923.8	5977.5	6240.6	6944.2	7414.1	7765.9	7843.8	7717.6	7328.2	6681.0	6052.7
12.5°	5631.1	5657.9	5966.7	6557.5	7054.3	7314.8	7352.4	7411.4	7132.2	6525.3	5770.7
15°	5633.8	5655.2	6071.5	6565.6	6761.6	6691.8	6815.3	6812.6	6933.4	6495.7	6007.0
17.5°	6039.2	6063.4	6439.4	6683.7	6597.8	6434.0	6425.9	6549.4	6804.6	6863.6	6364.2
20°	6737.4	6793.8	7070.4	7057.0	6573.6	6243.3	6152.0	6246.0	6839.5	7175.1	7083.8
22.5°	7677.3	7755.1	7948.5	7577.9	6683.7	6114.4	6084.9	6267.5	7070.4	7870.6	7900.2
25°	8767.5	8899.1	8993.1	8517.8	7075.8	6337.3	6197.7	6511.9	7381.9	8625.2	8939.4
27.5°	9489.9	9626.8	9605.3	8925.9	7338.9	6396.4	6278.2	6570.9	7653.1	8805.1	9481.8
30°	10053.8	10137.0	10287.4	9146.1	7602.1	6562.9	6361.5	6820.7	7741.7	9116.6	10137.0
32.5°	10711.7	10768.1	10778.8	9535.5	8007.6	6772.3	6619.3	7132.2	8133.8	9414.7	10717.0
35°	11374.9	11458.2	11283.6	10016.2	8257.3	7161.7	7048.9	7671.9	8448.0	9723.5	11356.1
37.5°	12094.6	12137.6	11734.8	10214.9	8614.4	7795.4	7733.7	8254.6	8993.1	10282.0	12065.1
40°	12698.8	12739.1	12215.4	10459.2	8990.4	8681.6	8840.0	9366.3	9734.2	10644.5	12419.5
42.5°	13034.5	13128.4	12376.6	10325.0	9745.0	9685.9	10389.4	10574.7	10593.5	10746.6	12736.4
45°	13125.8	13082.8	12110.7	10435.1	10405.5	11337.3	11976.4	12220.8	11447.4	10934.5	12816.9
47.5°	12704.2	12760.5	11718.7	10338.4	11272.9	12588.7	13415.8	13869.6	12083.9	10770.7	12618.2
50°	12363.1	12290.6	11592.4	10268.6	11506.5	13179.5	14455.0	14557.0	12669.2	10972.1	12400.7
52.5°	12430.3	12475.9	11793.8	10453.9	11511.9	13214.4	14616.1	14546.3	12688.0	10926.5	12322.8
55°	12572.6	12371.2	11707.9	10045.7	10741.2	12239.6	12972.7	12865.3	11710.6	10440.4	12132.2
57.5°	10848.6	11160.1	10765.4	8968.9	8815.8	9221.3	9207.9	9538.2	8735.3	8985.0	11044.6
60°	8805.1	8858.8	9006.5	7671.9	6101.0	5961.4	5768.0	5558.6	5878.1	7682.6	10045.7
62.5°	7744.4	7680.0	8206.3	6979.1	4307.2	3606.4	3574.1	3703.0	4535.5	7328.2	9422.7
65°	5628.4	5708.9	6090.3	5416.3	3233.1	2752.4	2704.1	3085.4	3670.8	5872.8	7191.2
67.5°	3437.2	3592.9	3627.8	3340.5	2193.9	1742.8	1672.9	2019.3	2650.4	3799.7	4215.9
70°	1587.0	1775.0	1952.2	1823.3	1270.1	717.0	676.7	848.6	1337.3	2185.8	2236.9
72.5°	480.7	483.4	676.7	706.2	410.9	161.1	142.3	188.0	453.8	722.3	759.9
75°	34.9	37.6	91.3	104.7	77.9	40.3	43.0	51.0	96.7	161.1	120.8
77.5°	2.7	2.7	2.7	13.4	24.2	26.9	34.9	40.3	51.0	59.1	53.7
80°	2.7	0.0	2.7	10.7	18.8	26.9	32.2	37.6	40.3	45.7	40.3
82.5°	0.0	0.0	0.0	8.1	18.8	26.9	29.5	40.3	45.7	53.7	45.7
85°	0.0	0.0	0.0	8.1	18.8	29.5	26.9	13.4	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7
2.5°	7320.1	7215.4	6976.4	6855.6	6570.9	6530.7	6251.4	6205.7	6111.7	6060.7	5937.2
5°	6697.1	6570.9	6181.6	5854.0	5472.6	5206.8	5002.7	4817.4	4710.0	4610.7	4656.3
7.5°	6189.6	5821.7	5389.4	4841.6	4401.2	4116.6	3805.1	3550.0	3399.6	3297.5	3321.7
10°	5657.9	5418.9	4817.4	4202.5	3670.8	3469.4	3225.0	3029.0	2816.9	2634.3	2548.4
12.5°	5491.4	5137.0	4382.4	3756.7	3353.9	3157.9	2878.6	2653.1	2381.9	2159.0	2081.1
15°	5521.0	5179.9	4264.3	3595.6	3120.3	2782.0	2449.0	2169.7	1871.7	1715.9	1635.3
17.5°	6001.6	5410.9	4342.1	3426.4	2795.4	2325.5	1914.6	1560.2	1337.3	1176.2	1141.3
20°	6592.4	5910.3	4508.6	3302.9	2529.6	1850.2	1399.0	1092.9	907.6	880.8	872.7
22.5°	7457.1	6726.7	4865.8	3219.7	2204.6	1442.0	958.7	794.8	743.8	738.5	741.1
25°	8665.5	7749.8	5255.1	3149.9	1960.3	1111.7	784.1	674.0	657.9	649.8	663.3
27.5°	9189.1	8367.4	5461.9	2999.5	1737.4	1001.6	773.4	668.6	623.0	609.6	617.6
30°	9836.3	8778.2	5786.8	2741.7	1409.8	824.4	722.3	727.7	706.2	639.1	617.6
32.5°	10695.6	9291.1	5950.6	2559.1	1259.4	682.1	529.0	486.0	542.4	553.2	572.0
35°	11246.0	9812.1	6033.9	2451.7	1181.5	582.7	448.4	408.2	394.7	397.4	408.2
37.5°	12269.1	10515.6	6138.6	2338.9	1122.5	507.5	405.5	367.9	349.1	349.1	359.8
40°	12881.4	11074.2	6280.9	2277.1	1063.4	461.9	367.9	335.7	319.6	319.6	324.9
42.5°	13034.5	11350.8	6232.6	2255.7	996.2	451.1	335.7	311.5	292.7	290.0	287.3
45°	13308.4	11772.4	6240.6	2231.5	926.4	410.9	316.9	290.0	263.2	260.5	257.8
47.5°	13609.1	12075.8	6256.8	2137.5	859.3	343.7	330.3	268.5	236.3	230.9	230.9
50°	13351.3	12317.5	6396.4	2043.5	773.4	279.3	324.9	252.4	209.5	201.4	204.1
52.5°	13383.5	12602.1	6691.8	1911.9	666.0	222.9	263.2	239.0	190.7	177.2	179.9
55°	12868.0	12301.4	6732.0	1772.3	520.9	171.9	201.4	209.5	161.1	155.7	155.7
57.5°	11076.9	10416.3	5939.9	1436.6	343.7	142.3	145.0	182.6	139.6	134.3	137.0
60°	9479.1	8362.0	4779.8	947.9	214.8	112.8	104.7	185.3	123.5	120.8	128.9
62.5°	8641.3	6871.7	3625.2	588.1	147.7	85.9	72.5	150.4	107.4	107.4	118.2
65°	6243.3	4616.0	2108.0	308.8	104.7	67.1	53.7	85.9	88.6	91.3	96.7
67.5°	3866.8	2330.8	888.8	150.4	69.8	45.7	34.9	53.7	59.1	59.1	64.4
70°	1909.2	929.1	295.4	85.9	53.7	37.6	24.2	29.5	29.5	26.9	29.5
72.5°	590.8	279.3	75.2	53.7	37.6	24.2	13.4	10.7	5.4	0.0	2.7
75°	67.1	53.7	48.3	37.6	24.2	10.7	2.7	0.0	0.0	0.0	0.0
77.5°	40.3	45.7	45.7	37.6	24.2	8.1	0.0	0.0	0.0	0.0	0.0
80°	32.2	34.9	37.6	34.9	21.5	10.7	0.0	0.0	0.0	0.0	0.0
82.5°	40.3	45.7	51.0	45.7	29.5	13.4	5.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	8.1	2.7	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7
2.5°	5886.2	5827.1	5910.3	5786.8	5784.1	5786.8	5751.9	5719.7	5770.7	5907.7	5921.1
5°	4492.5	4618.7	4659.0	4790.6	4718.1	4610.7	4632.1	4559.6	4736.9	4814.7	4753.0
7.5°	3270.7	3262.6	3533.9	3550.0	3584.9	3587.6	3582.2	3439.9	3294.9	3327.1	3423.8
10°	2537.6	2400.7	2532.2	2518.8	2604.7	2580.6	2615.5	2462.4	2513.4	2513.4	2575.2
12.5°	2067.7	1922.7	1898.5	1863.6	1898.5	1911.9	1925.4	1895.8	1981.8	2022.0	2065.0
15°	1579.0	1498.4	1476.9	1409.8	1420.5	1458.1	1490.3	1503.8	1476.9	1538.7	1544.0
17.5°	1146.6	1143.9	1157.4	1154.7	1143.9	1135.9	1133.2	1098.3	1087.5	1092.9	1114.4
20°	870.0	891.5	937.2	982.8	1007.0	977.4	937.2	878.1	853.9	859.3	862.0
22.5°	743.8	776.1	837.8	888.8	913.0	859.3	786.8	735.8	725.0	722.3	719.7
25°	674.0	711.6	757.3	773.4	770.7	738.5	684.8	663.3	657.9	652.5	628.4
27.5°	636.4	649.8	657.9	676.7	684.8	663.3	649.8	617.6	612.2	612.2	596.1
30°	614.9	606.9	617.6	604.2	614.9	598.8	601.5	601.5	588.1	593.5	593.5
32.5°	572.0	574.7	574.7	547.8	555.9	537.1	555.9	572.0	574.7	577.3	598.8
35°	418.9	467.2	491.4	491.4	499.5	486.0	483.4	464.6	440.4	416.2	405.5
37.5°	367.9	386.7	418.9	437.7	451.1	440.4	416.2	386.7	373.3	362.5	351.8
40°	327.6	343.7	365.2	386.7	413.5	400.1	362.5	349.1	333.0	333.0	322.2
42.5°	295.4	303.4	316.9	349.1	378.6	351.8	324.9	314.2	306.1	303.4	300.8
45°	265.8	268.5	282.0	308.8	343.7	316.9	290.0	276.6	279.3	282.0	279.3
47.5°	239.0	244.4	252.4	284.6	306.1	292.7	263.2	255.1	255.1	255.1	257.8
50°	206.8	220.2	236.3	263.2	279.3	271.2	247.0	236.3	230.9	230.9	233.6
52.5°	185.3	196.0	217.5	249.7	271.2	257.8	233.6	217.5	206.8	204.1	209.5
55°	161.1	179.9	214.8	239.0	268.5	255.1	228.3	209.5	190.7	188.0	188.0
57.5°	145.0	174.5	206.8	236.3	260.5	249.7	228.3	204.1	179.9	177.2	177.2
60°	137.0	169.2	201.4	228.3	260.5	244.4	225.6	198.7	171.9	171.9	169.2
62.5°	128.9	158.4	190.7	217.5	249.7	236.3	217.5	190.7	163.8	163.8	158.4
65°	107.4	137.0	158.4	182.6	217.5	204.1	185.3	166.5	145.0	139.6	142.3
67.5°	75.2	94.0	115.5	139.6	161.1	155.7	147.7	134.3	115.5	112.8	110.1
70°	37.6	51.0	69.8	94.0	112.8	107.4	102.0	91.3	80.6	77.9	77.9
72.5°	5.4	16.1	29.5	43.0	59.1	61.8	59.1	56.4	53.7	51.0	53.7
75°	0.0	0.0	0.0	10.7	24.2	29.5	34.9	40.3	40.3	34.9	43.0
77.5°	0.0	0.0	0.0	0.0	2.7	13.4	26.9	34.9	43.0	37.6	51.0
80°	0.0	0.0	0.0	0.0	2.7	16.1	26.9	37.6	43.0	37.6	53.7
82.5°	0.0	0.0	0.0	0.0	2.7	18.8	26.9	34.9	40.3	37.6	48.3
85°	0.0	0.0	0.0	0.0	8.1	16.1	10.7	5.4	2.7	2.7	8.1
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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CATALOG NUMBER: GALN-SA6A-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7	6922.7
2.5°	5996.3	6186.9	6391.0	6468.9	6710.6	6893.2	7016.7	7282.5	7322.8	7325.5
5°	4817.4	4914.1	5263.2	5427.0	5786.8	6066.1	6364.2	6793.8	7081.1	7102.6
7.5°	3423.8	3692.3	3840.0	4266.9	4710.0	5147.7	5590.8	6090.3	6423.2	6431.3
10°	2755.1	2929.7	3192.8	3512.4	3885.6	4331.4	4922.2	5502.2	5840.5	5923.8
12.5°	2218.1	2524.2	2824.9	3155.2	3439.9	3775.5	4411.9	5185.3	5464.6	5631.1
15°	1707.9	1987.1	2341.6	2728.3	3050.5	3498.9	4224.0	5107.4	5577.4	5633.8
17.5°	1259.4	1509.1	1836.7	2201.9	2685.3	3321.7	4256.2	5502.2	5945.3	6039.2
20°	904.9	1050.0	1307.7	1732.0	2347.0	3114.9	4288.4	5902.3	6576.3	6737.4
22.5°	717.0	776.1	945.2	1321.2	1968.3	2897.4	4516.7	6667.6	7443.7	7677.3
25°	623.0	655.2	735.8	1041.9	1729.3	2876.0	4881.9	7586.0	8598.3	8767.5
27.5°	601.5	606.9	676.7	956.0	1600.4	2733.6	5021.5	8238.5	9318.0	9489.9
30°	633.7	719.7	725.0	808.3	1361.4	2451.7	5094.0	8869.5	9927.6	10053.8
32.5°	547.8	520.9	539.7	625.7	1197.6	2287.9	5231.0	9420.0	10623.1	10711.7
35°	381.3	400.1	443.1	542.4	1047.3	2116.0	5265.9	10026.9	11283.6	11374.9
37.5°	351.8	362.5	397.4	461.9	921.1	2019.3	5217.5	10470.0	11968.4	12094.6
40°	327.6	341.0	359.8	418.9	827.1	1911.9	5150.4	10870.1	12387.3	12698.8
42.5°	308.8	319.6	335.7	400.1	746.5	1804.5	5056.4	11434.0	12763.2	13034.5
45°	287.3	303.4	322.2	389.4	700.9	1732.0	4986.6	11399.1	12980.7	13125.8
47.5°	265.8	292.7	314.2	362.5	687.4	1697.1	5016.1	11267.5	12803.5	12704.2
50°	244.4	279.3	316.9	300.8	655.2	1627.3	5051.1	11447.4	12381.9	12363.1
52.5°	225.6	265.8	295.4	247.0	582.7	1560.2	5389.4	11683.7	12680.0	12430.3
55°	198.7	239.0	236.3	198.7	472.6	1509.1	5655.2	11689.1	12478.6	12572.6
57.5°	179.9	212.1	185.3	166.5	349.1	1262.1	5222.9	9801.3	10682.1	10848.6
60°	166.5	206.8	139.6	131.6	228.3	910.3	4559.6	7591.3	8490.9	8805.1
62.5°	153.1	196.0	110.1	107.4	158.4	647.2	3748.7	6353.4	7317.4	7744.4
65°	134.3	139.6	88.6	83.2	112.8	349.1	2282.5	4374.4	5470.0	5628.4
67.5°	110.1	107.4	72.5	67.1	75.2	169.2	1007.0	2191.2	3171.3	3437.2
70°	88.6	88.6	61.8	53.7	53.7	77.9	263.2	872.7	1434.0	1587.0
72.5°	64.4	67.1	48.3	43.0	40.3	37.6	43.0	174.5	375.9	480.7
75°	56.4	59.1	48.3	37.6	29.5	24.2	18.8	16.1	21.5	34.9
77.5°	61.8	61.8	51.0	34.9	26.9	18.8	10.7	5.4	5.4	2.7
80°	77.9	80.6	67.1	45.7	32.2	21.5	13.4	5.4	2.7	2.7
82.5°	83.2	91.3	75.2	56.4	40.3	24.2	13.4	2.7	0.0	0.0
85°	21.5	34.9	59.1	51.0	40.3	24.2	13.4	2.7	0.0	0.0
87.5°	0.0	2.7	8.1	8.1	10.7	10.7	8.1	2.7	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)