

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: P528412

Luminaire Tested: **GALN-SA3C-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16748 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

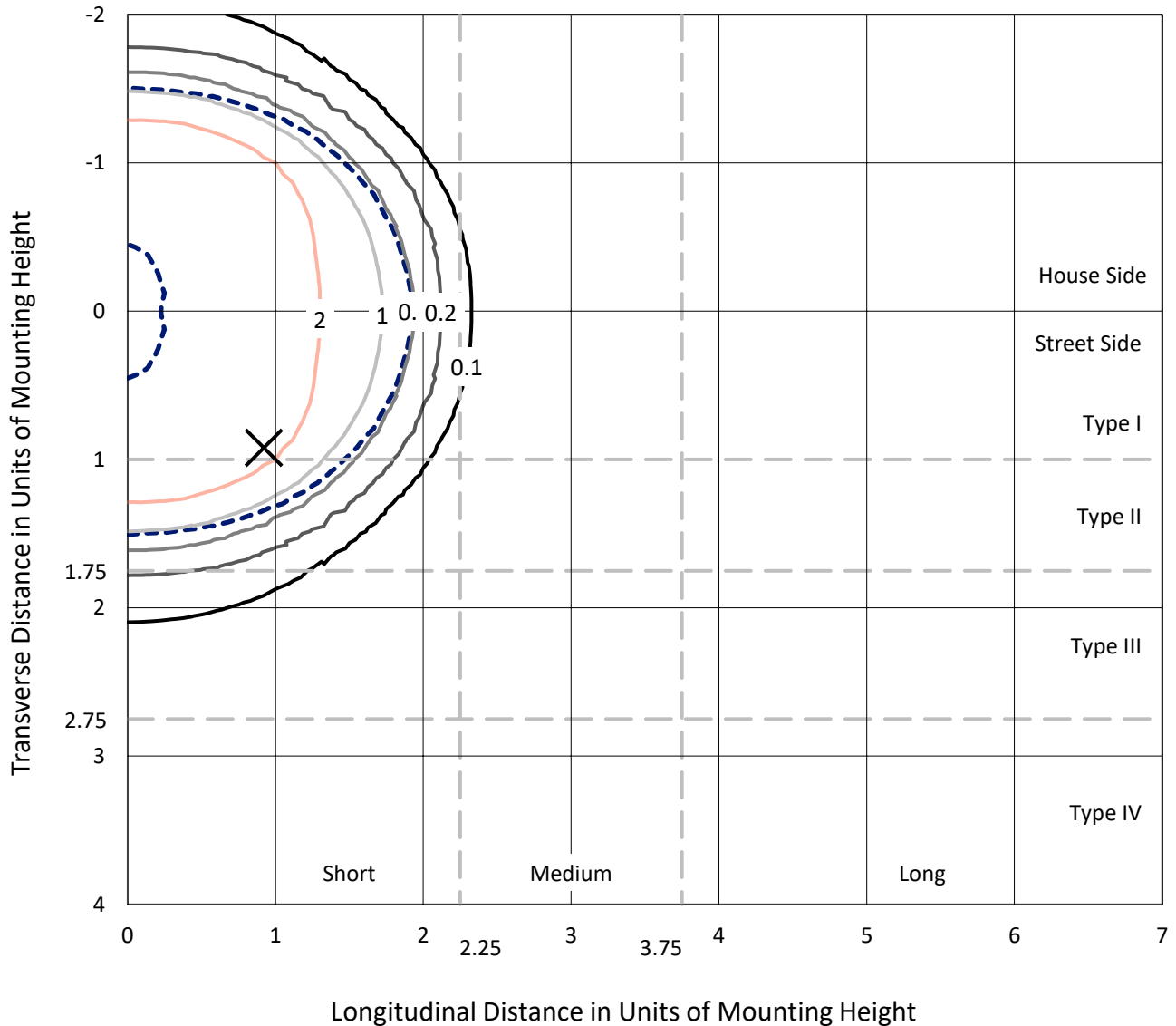
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528412
 CATALOG NUMBER: GALN-SA3C-730-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

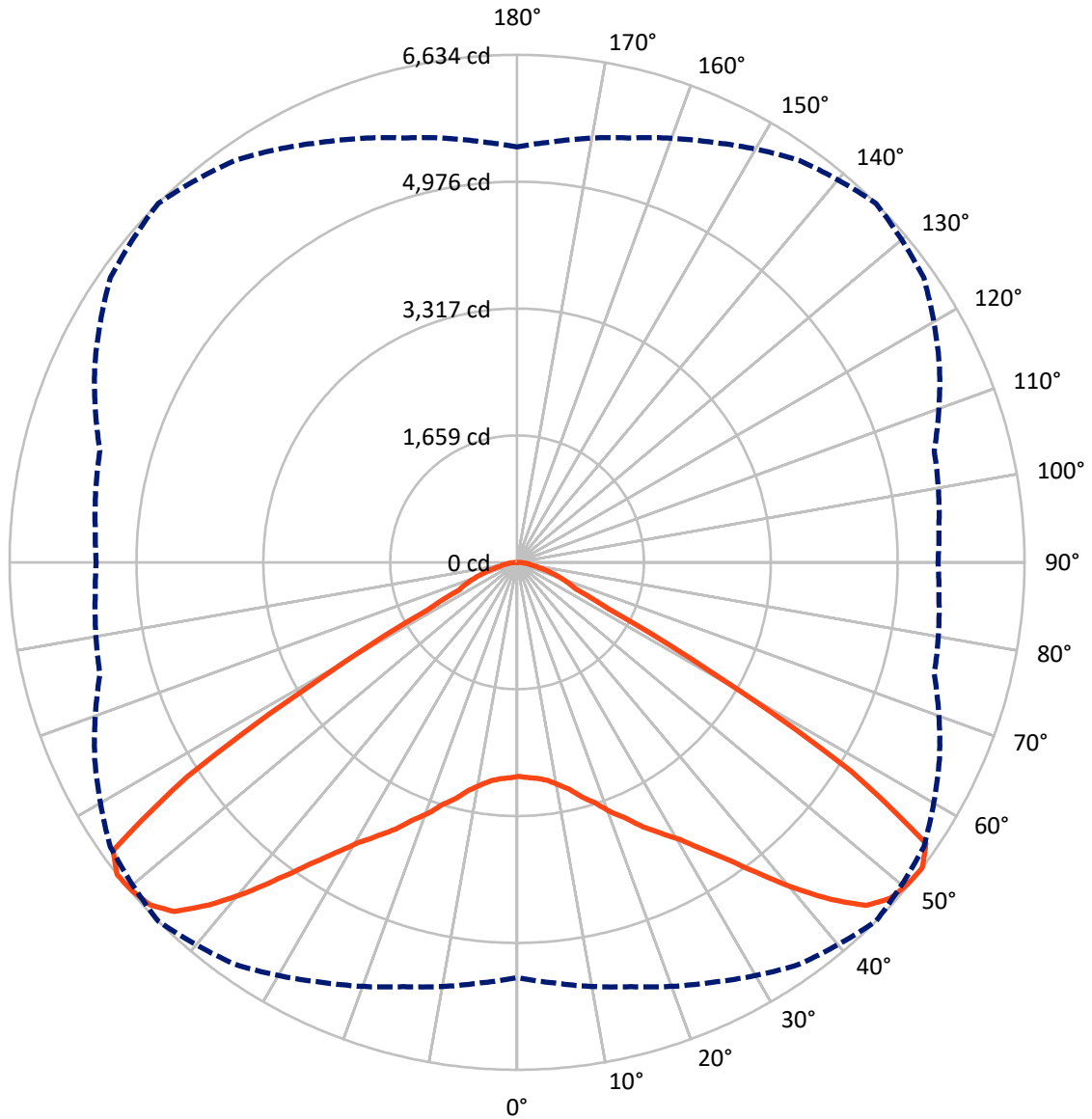
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

REPORT NUMBER: P528412
CATALOG NUMBER: GALN-SA3C-730-U-RW-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P528412
 CATALOG NUMBER: GALN-SA3C-730-U-RW-GRSWH

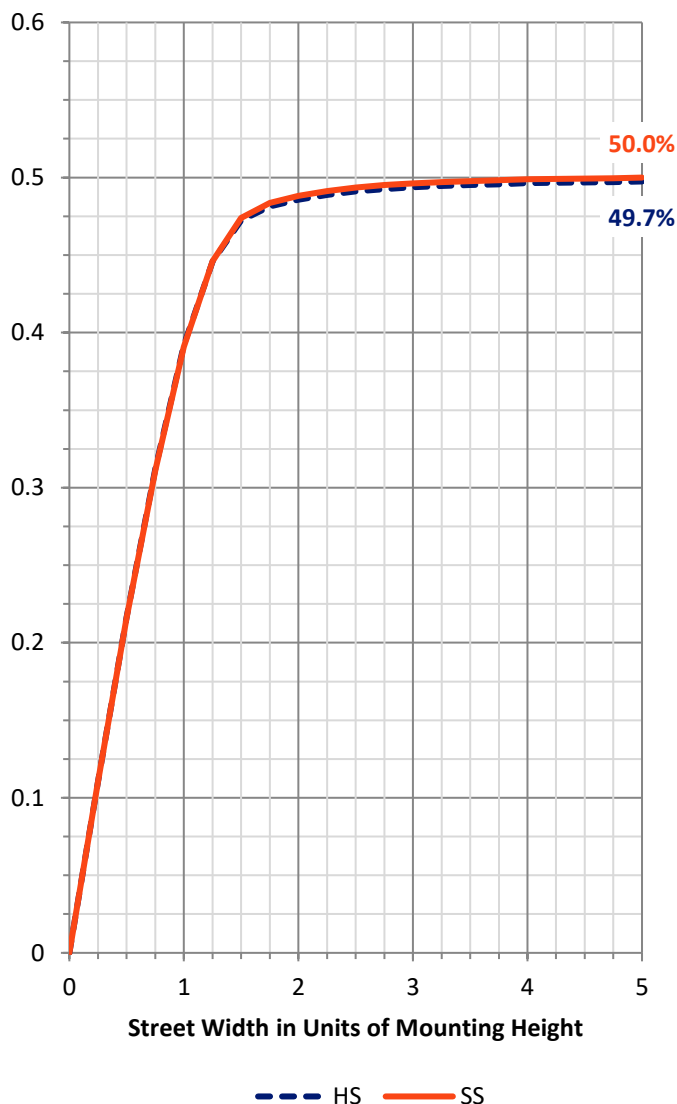
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8374.0	0.0	8374.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8374.0	0.0	8374.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16748.0	0.0	16748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.1	1.6
10°-20°	903.8	5.4
20°-30°	1720.7	10.3
30°-40°	2954.6	17.6
40°-50°	4541.4	27.1
50°-60°	4611.7	27.5
60°-70°	1285.2	7.7
70°-80°	379.1	2.3
80°-90°	76.4	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°	16748.0	100.0
0°-180°	16748.0	100.0

Coefficient of Utilization



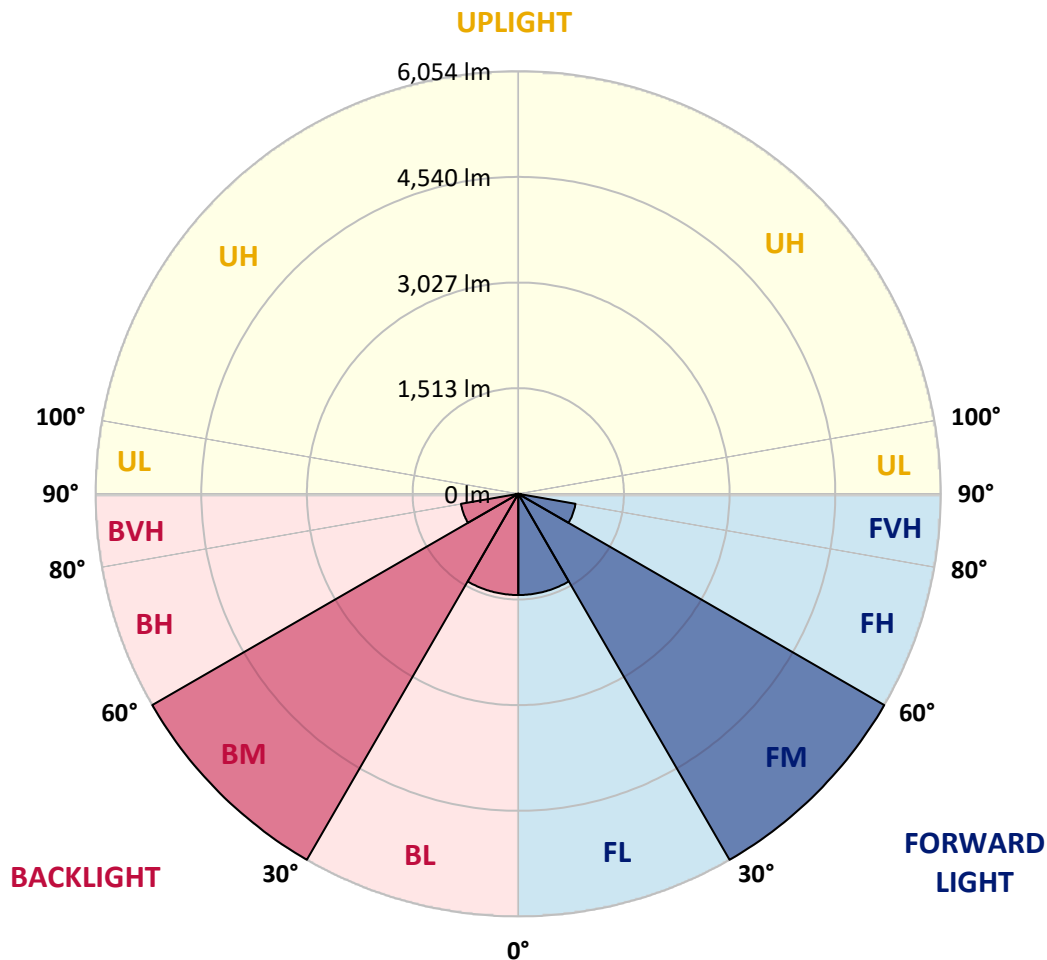
REPORT NUMBER: P528412
 CATALOG NUMBER: GALN-SA3C-730-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1449.8	8.7			
FM (30°-60°)	6053.8	36.1			
FH (60°-80°)	832.2	5.0			G1/1800
FVH (80°-90°)	38.2	0.2			G1/100
BL (0°-30°)	1449.8	8.7	B3/2500		
BM (30°-60°)	6053.8	36.1	B4/8500		
BH (60°-80°)	832.2	5.0	B2/1000		G1/1800
BVH (80°-90°)	38.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





REPORT NUMBER: P528412

CATALOG NUMBER: GALN-SA3C-730-U-RW-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2799.6	2799.6	2799.6	2799.6	2799.6	2799.6	2799.6	2799.6	2799.6	2799.6	2799.6
2.5°	2805.9	2776.8	2787.2	2793.4	2820.4	2818.4	2812.1	2820.4	2828.7	2830.8	2826.7
5°	2803.8	2783.0	2791.3	2797.6	2824.6	2839.1	2835.0	2870.3	2895.3	2889.0	2920.2
7.5°	2787.2	2799.6	2789.3	2820.4	2843.3	2878.6	2916.0	2949.3	2980.5	3015.8	3022.0
10°	2824.6	2824.6	2843.3	2868.2	2928.5	2955.5	3009.6	3057.4	3117.6	3159.2	3142.6
12.5°	2864.1	2870.3	2870.3	2934.7	2984.6	3044.9	3094.8	3159.2	3244.4	3294.3	3319.3
15°	2903.6	2907.7	2928.5	3015.8	3090.6	3186.2	3232.0	3290.2	3338.0	3431.5	3433.6
17.5°	2938.9	2961.8	3024.1	3121.8	3215.3	3306.8	3379.5	3439.8	3481.4	3518.8	3510.5
20°	3071.9	3088.6	3153.0	3250.7	3389.9	3479.3	3504.2	3514.6	3541.6	3616.5	3593.6
22.5°	3200.8	3207.0	3267.3	3416.9	3514.6	3633.1	3660.1	3653.9	3664.3	3683.0	3716.2
25°	3333.8	3344.2	3427.3	3554.1	3691.3	3832.6	3855.5	3807.7	3793.1	3813.9	3816.0
27.5°	3504.2	3506.3	3612.3	3722.5	3878.4	4011.4	4046.7	4009.3	3940.7	3957.3	3984.4
30°	3720.4	3705.8	3811.8	3969.8	4134.0	4208.8	4269.1	4250.4	4175.6	4161.0	4138.2
32.5°	3969.8	3974.0	4069.6	4242.1	4350.2	4474.9	4539.3	4508.1	4460.3	4435.4	4449.9
35°	4321.1	4339.8	4404.2	4547.6	4722.2	4784.6	4886.4	4819.9	4695.2	4726.4	4753.4
37.5°	4610.0	4664.0	4784.6	4955.0	5058.9	5173.2	5210.6	5121.3	5029.8	4992.4	5081.8
40°	5052.7	5036.0	5169.1	5339.5	5493.3	5607.6	5559.8	5470.4	5243.9	5246.0	5270.9
42.5°	5433.0	5441.3	5543.2	5746.9	5956.8	6027.5	5875.7	5657.5	5406.0	5379.0	5433.0
45°	5753.1	5786.4	5844.6	6116.8	6322.6	6399.5	6118.9	5861.2	5524.5	5412.2	5501.6
47.5°	5867.4	5921.5	6048.2	6297.7	6501.3	6563.7	6339.2	5969.3	5634.6	5451.7	5499.5
50°	5884.0	5865.3	6073.2	6301.8	6480.6	6615.7	6418.2	6048.2	5607.6	5512.0	5497.5
52.5°	5428.9	5520.3	5742.7	6056.6	6418.2	6634.4	6488.9	6091.9	5645.0	5536.9	5501.6
55°	4393.8	4285.7	4691.0	5218.9	5884.0	6484.7	6463.9	6114.7	5667.9	5578.5	5530.7
57.5°	2452.6	2483.7	2712.4	3286.0	4144.4	5142.0	5746.9	5873.7	5657.5	5605.5	5630.5
60°	1134.8	1145.2	1242.9	1511.0	2043.1	2916.0	3712.1	4520.6	4892.6	4967.5	4967.5
62.5°	845.9	841.8	866.7	914.5	1026.7	1340.6	1789.5	2431.8	2943.1	3300.6	3394.1
65°	764.9	762.8	775.3	791.9	800.2	843.8	943.6	1141.1	1307.3	1402.9	1386.3
67.5°	669.3	667.2	671.3	681.7	696.3	719.1	744.1	785.6	843.8	839.7	829.3
70°	540.4	540.4	546.6	554.9	571.6	598.6	627.7	656.8	706.7	717.1	715.0
72.5°	399.1	392.8	405.3	421.9	438.5	471.8	503.0	530.0	565.3	575.7	571.6
75°	253.6	257.7	266.0	284.7	313.8	336.7	370.0	392.8	415.7	424.0	426.1
77.5°	141.3	145.5	160.0	182.9	212.0	236.9	266.0	284.7	299.3	301.4	303.5
80°	85.2	87.3	101.8	122.6	147.6	174.6	197.5	216.2	228.6	222.4	220.3
82.5°	52.0	54.0	66.5	85.2	106.0	126.8	151.7	168.4	180.8	172.5	164.2
85°	27.0	29.1	39.5	52.0	68.6	79.0	79.0	70.7	68.6	64.4	62.4
87.5°	8.3	8.3	10.4	12.5	10.4	12.5	14.5	16.6	16.6	18.7	16.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)