

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: P529341

Luminaire Tested: **GALN-SA4C-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA4C-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17400 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

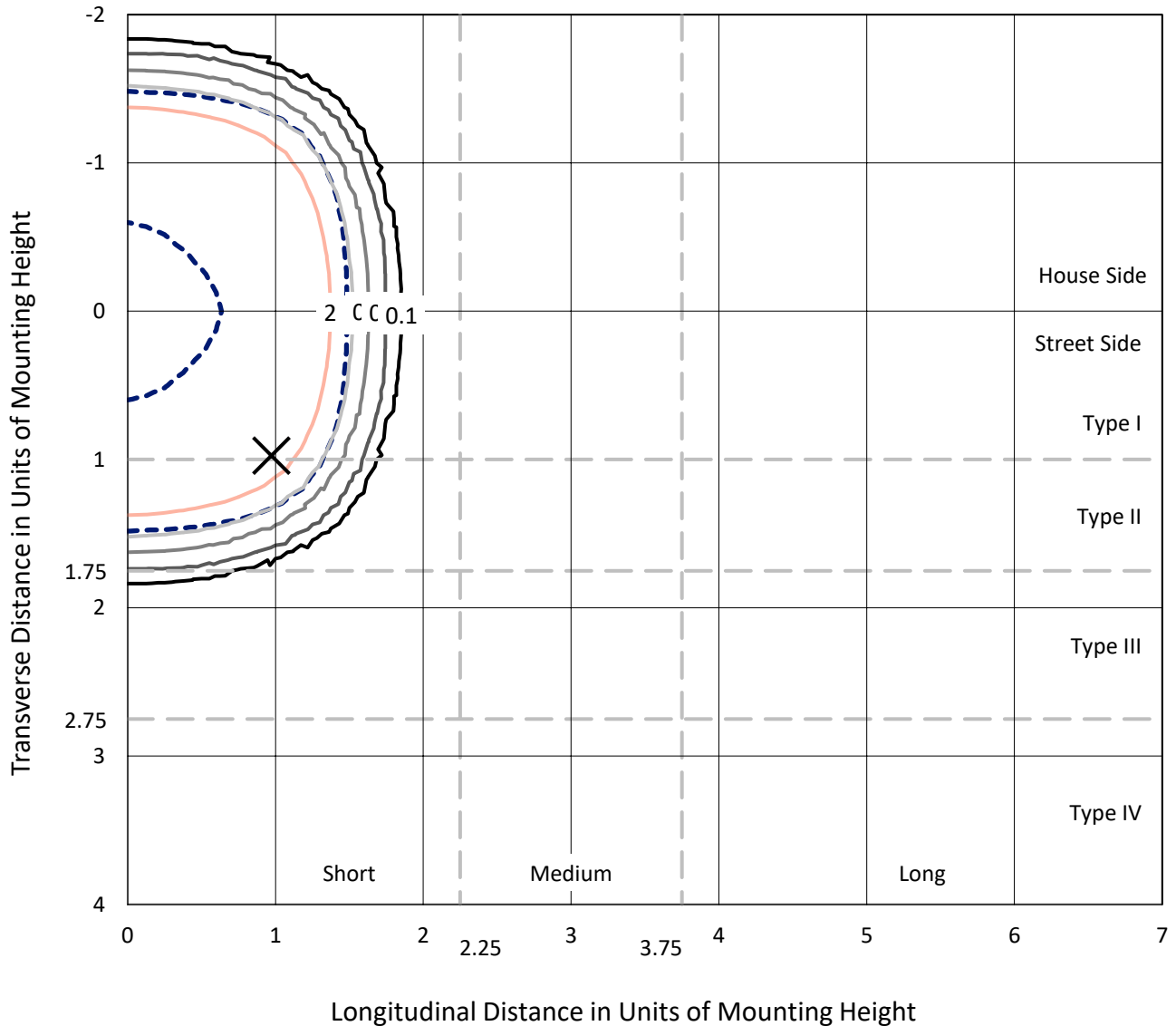
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529341
 CATALOG NUMBER: GALN-SA4C-730-U-5NQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

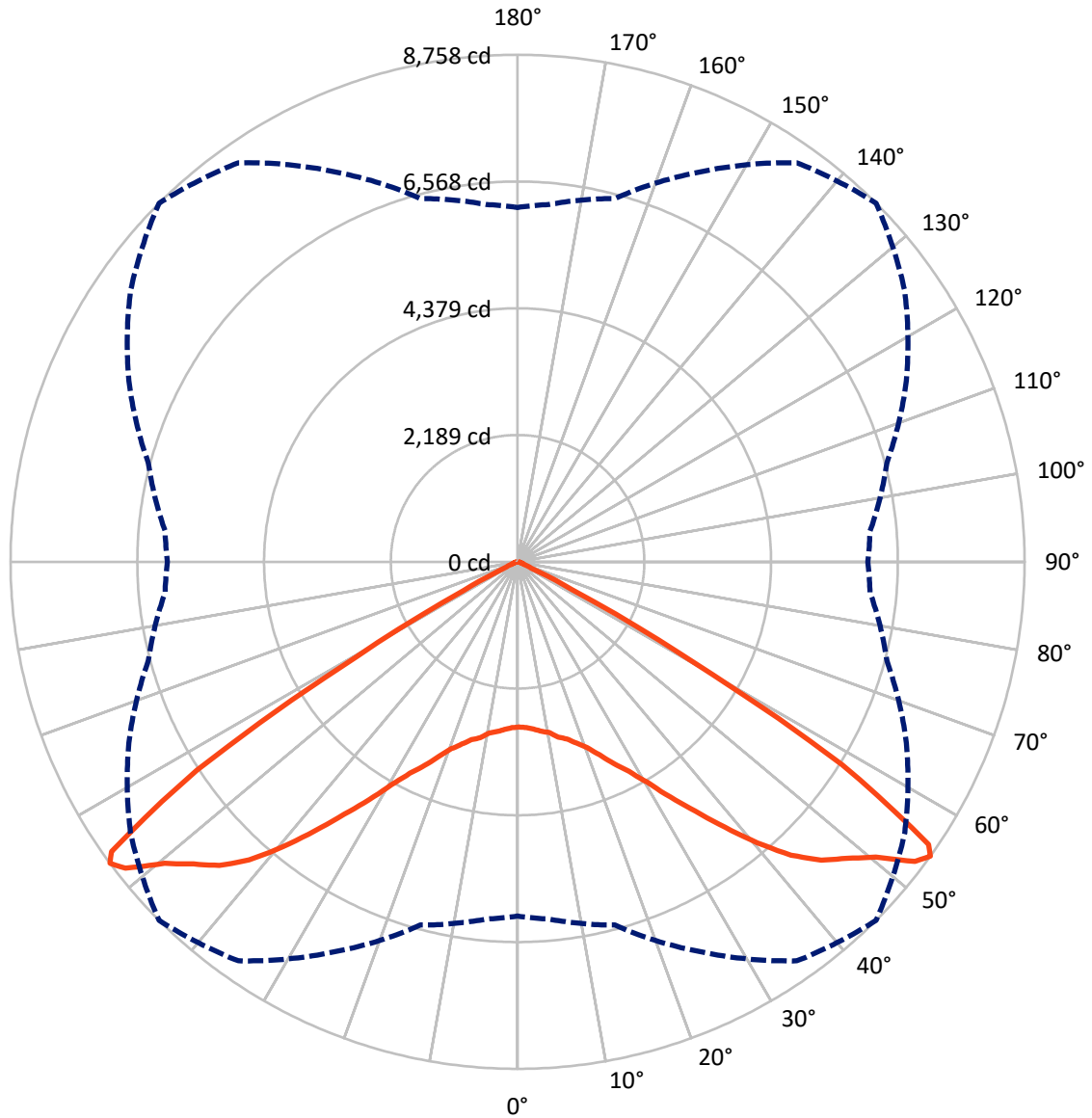
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

REPORT NUMBER: P529341
CATALOG NUMBER: GALN-SA4C-730-U-5NQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

REPORT NUMBER: P529341
 CATALOG NUMBER: GALN-SA4C-730-U-5NQ-GRSBK

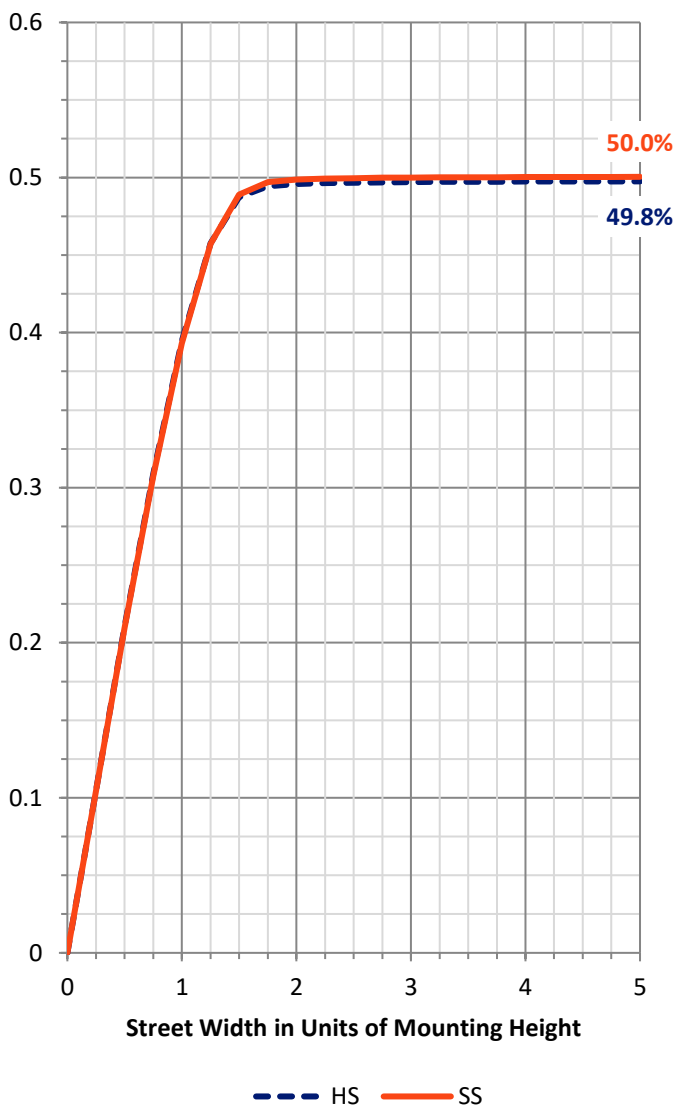
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8700.0	0.0	8700.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8700.0	0.0	8700.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17400.0	0.0	17400.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.2	1.6
10°-20°	904.3	5.2
20°-30°	1772.4	10.2
30°-40°	3187.1	18.3
40°-50°	5455.7	31.4
50°-60°	5278.9	30.3
60°-70°	451.9	2.6
70°-80°	53.6	0.3
80°-90°	16.8	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°	17400.0	100.0
0°-180°	17400.0	100.0

Coefficient of Utilization

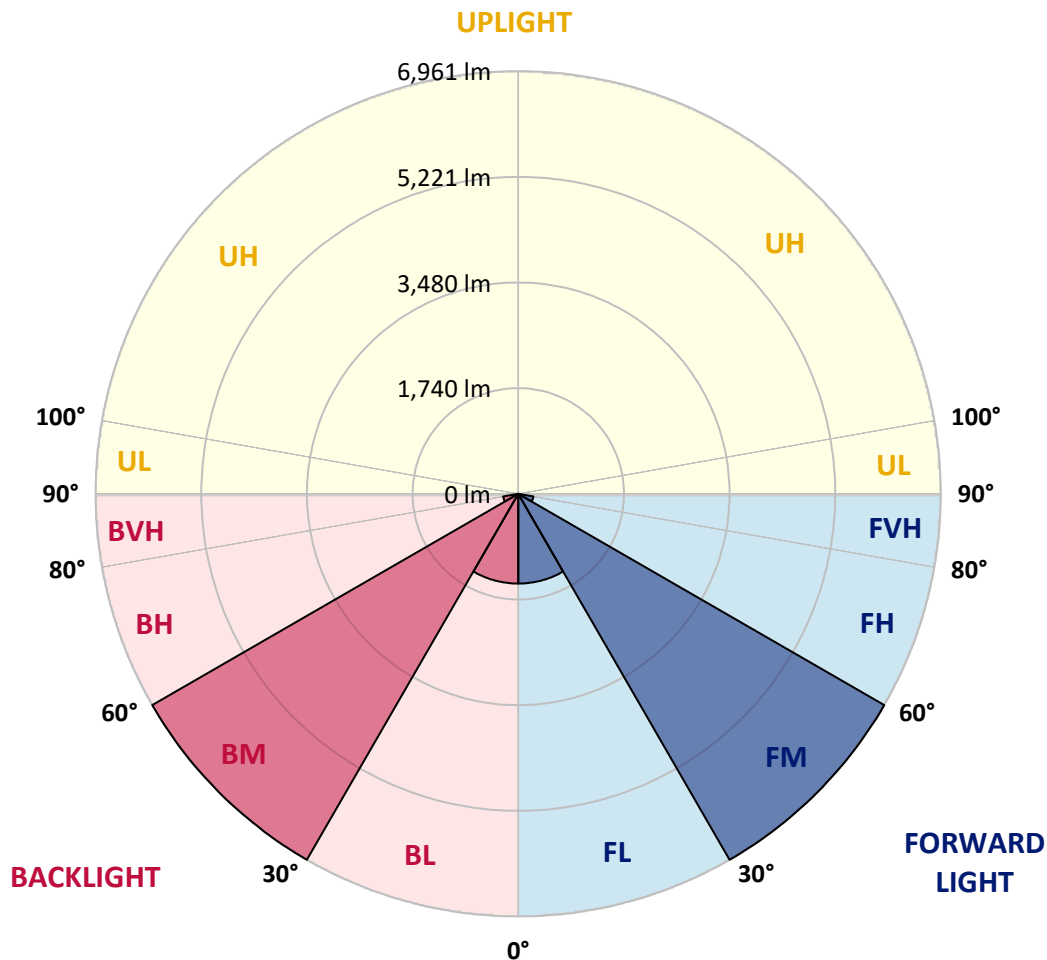


REPORT NUMBER: P529341
 CATALOG NUMBER: GALN-SA4C-730-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1478.0	8.5			
FM (30°-60°)	6960.9	40.0			
FH (60°-80°)	252.7	1.5			G0/660
FVH (80°-90°)	8.4	0.0			G0/10
BL (0°-30°)	1478.0	8.5	B3/2500		
BM (30°-60°)	6960.9	40.0	B4/8500		
BH (60°-80°)	252.7	1.5	B1/500		G0/660
BVH (80°-90°)	8.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





REPORT NUMBER: P529341

CATALOG NUMBER: GALN-SA4C-730-U-5NQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2853.1	2853.1	2853.1	2853.1	2853.1	2853.1	2853.1	2853.1	2853.1	2853.1	2853.1
2.5°	2866.8	2883.4	2872.4	2880.6	2880.6	2866.8	2875.1	2842.0	2864.1	2847.5	2850.3
5°	2910.9	2908.2	2908.2	2910.9	2899.9	2905.4	2894.4	2883.4	2875.1	2864.1	2897.2
7.5°	2966.1	2966.1	2946.8	2952.3	2946.8	2955.1	2933.0	2910.9	2902.7	2894.4	2888.9
10°	3018.5	3012.9	3004.7	3029.5	3010.2	2999.2	2988.1	2974.3	2944.0	2933.0	2922.0
12.5°	3095.6	3092.9	3081.9	3106.7	3095.6	3106.7	3065.3	3029.5	3024.0	2988.1	3007.4
15°	3186.6	3211.4	3192.1	3192.1	3186.6	3172.8	3156.3	3139.7	3090.1	3076.3	3079.1
17.5°	3305.1	3296.9	3299.6	3299.6	3327.2	3291.4	3258.3	3216.9	3192.1	3183.8	3156.3
20°	3418.2	3429.2	3426.4	3445.7	3462.3	3423.7	3387.8	3382.3	3313.4	3324.4	3285.8
22.5°	3616.6	3608.4	3622.1	3635.9	3624.9	3619.4	3586.3	3545.0	3484.3	3456.7	3451.2
25°	3826.1	3812.3	3787.5	3820.6	3837.2	3862.0	3798.6	3776.5	3682.8	3641.4	3644.2
27.5°	4005.3	4024.6	4052.2	4066.0	4107.3	4099.0	4054.9	3983.3	3911.6	3864.7	3834.4
30°	4250.6	4261.7	4308.5	4327.8	4399.5	4418.8	4349.9	4267.2	4140.4	4079.7	4043.9
32.5°	4476.7	4553.9	4551.1	4647.6	4763.4	4843.3	4719.3	4592.5	4465.7	4394.0	4330.6
35°	4843.3	4829.5	4909.5	5011.5	5198.9	5289.9	5154.8	5008.7	4815.7	4700.0	4650.3
37.5°	5185.1	5190.6	5298.1	5460.8	5675.8	5816.4	5697.8	5458.0	5259.6	5110.7	5041.8
40°	5681.3	5692.3	5802.6	5987.3	6229.9	6381.5	6243.6	6001.1	5736.4	5620.7	5620.7
42.5°	6262.9	6309.8	6381.5	6541.4	6759.1	6927.3	6803.2	6613.0	6345.6	6196.8	6218.8
45°	6861.1	6883.2	6930.0	7167.1	7269.1	7351.8	7236.0	7147.8	6968.6	6786.7	6756.4
47.5°	7420.7	7429.0	7566.8	7641.2	7721.2	7652.3	7726.7	7610.9	7409.7	7233.3	7197.4
50°	7668.8	7655.0	7850.7	8076.8	8137.4	8016.1	7952.7	7875.5	7569.6	7357.3	7263.6
52.5°	6946.6	7026.5	7390.4	8018.9	8493.0	8595.0	8225.6	7870.0	7299.4	6885.9	6822.5
54°	6119.6	6194.0	6494.5	7426.2	8413.1	8757.6	8162.2	7406.9	6602.0	6111.3	6047.9
55°	5300.9	5218.2	5764.0	6715.0	8038.2	8614.3	7911.4	6808.7	5888.0	5438.7	5350.5
57.5°	2869.6	2883.4	3343.7	4242.4	5648.2	6604.8	5832.9	4606.2	3478.8	2974.3	2930.2
60°	909.7	931.7	1133.0	1714.6	2698.7	3222.4	2762.1	1849.7	1279.1	1025.4	984.1
62.5°	283.9	295.0	322.5	479.6	738.8	1055.8	827.0	496.2	369.4	339.1	344.6
65°	173.7	173.7	176.4	187.4	220.5	256.4	248.1	217.8	209.5	204.0	201.2
67.5°	113.0	110.3	115.8	124.0	129.6	132.3	140.6	148.9	146.1	140.6	140.6
70°	68.9	66.2	71.7	82.7	85.5	91.0	99.2	110.3	107.5	102.0	104.7
72.5°	38.6	38.6	41.3	49.6	57.9	63.4	71.7	79.9	82.7	79.9	79.9
75°	13.8	16.5	22.1	30.3	35.8	44.1	52.4	60.6	68.9	63.4	60.6
77.5°	5.5	5.5	11.0	19.3	27.6	35.8	49.6	57.9	63.4	57.9	52.4
80°	2.8	2.8	8.3	16.5	24.8	33.1	41.3	49.6	52.4	46.9	41.3
82.5°	2.8	2.8	8.3	16.5	24.8	30.3	44.1	49.6	55.1	49.6	41.3
85°	0.0	2.8	8.3	16.5	22.1	24.8	24.8	16.5	13.8	8.3	8.3
87.5°	0.0	0.0	2.8	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

(END OF REPORT)