

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: P530977

Luminaire Tested: **GALN-SA6B-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18442 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

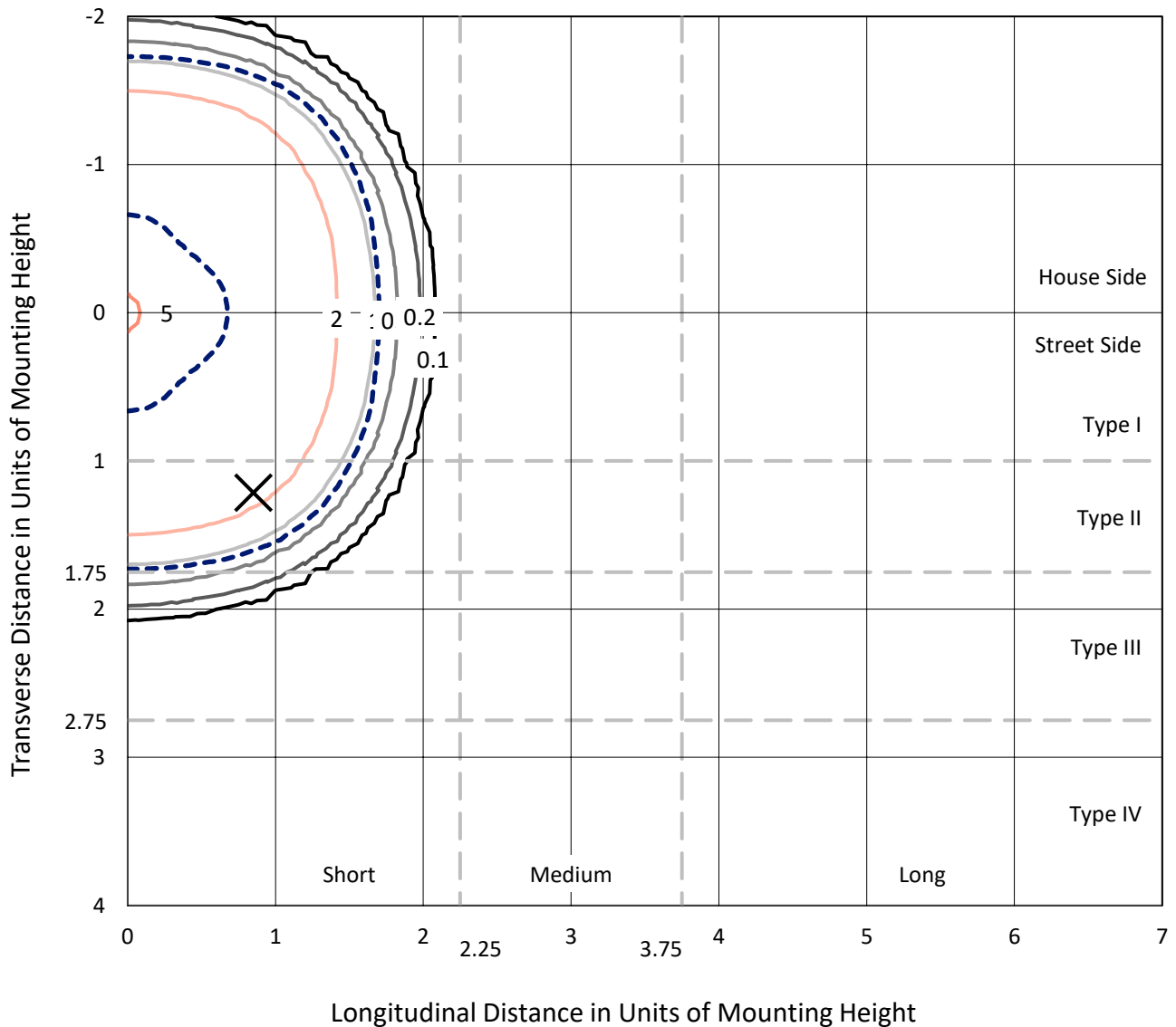
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

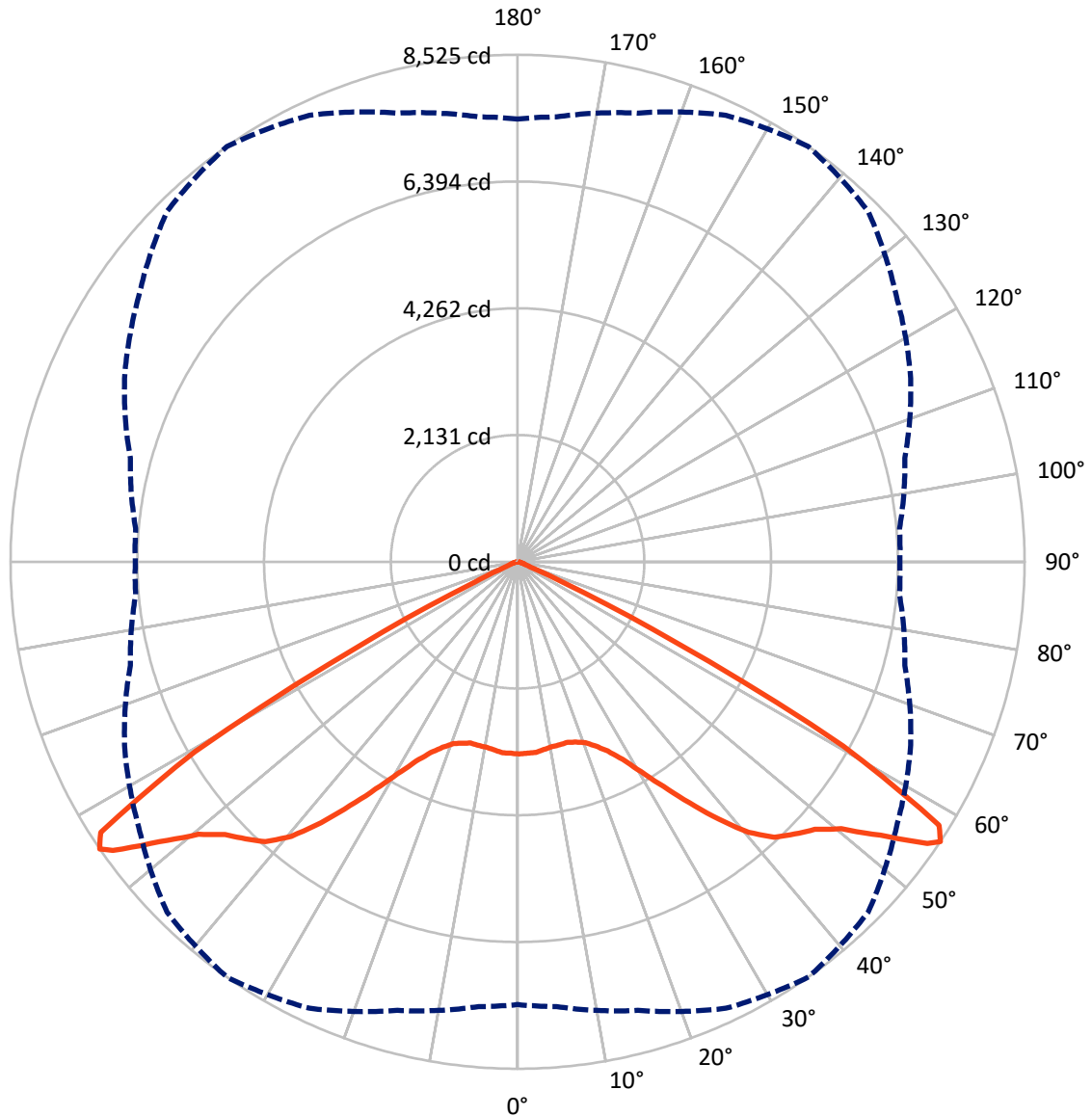
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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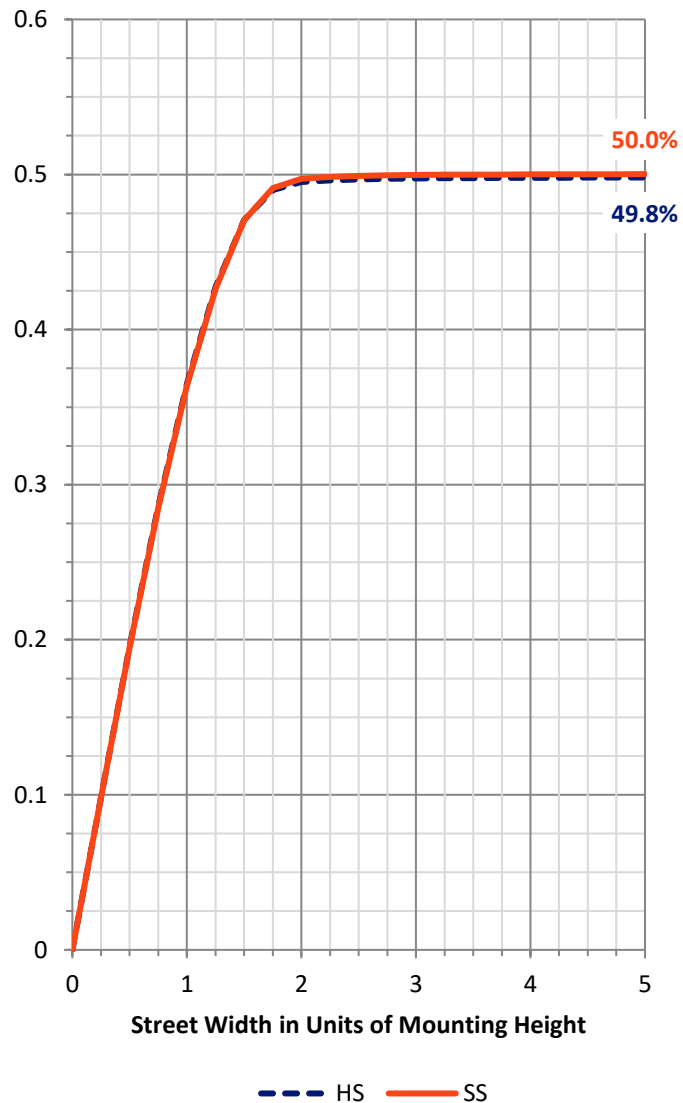
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9221.0	0.0	9221.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9221.0	0.0	9221.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18442.0	0.0	18442.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.7	1.6
10°-20°	886.7	4.8
20°-30°	1605.6	8.7
30°-40°	2977.4	16.1
40°-50°	4887.3	26.5
50°-60°	6296.2	34.1
60°-70°	1387.6	7.5
70°-80°	80.5	0.4
80°-90°	16.9	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°	18442.0	100.0
0°-180°	18442.0	100.0

Coefficient of Utilization

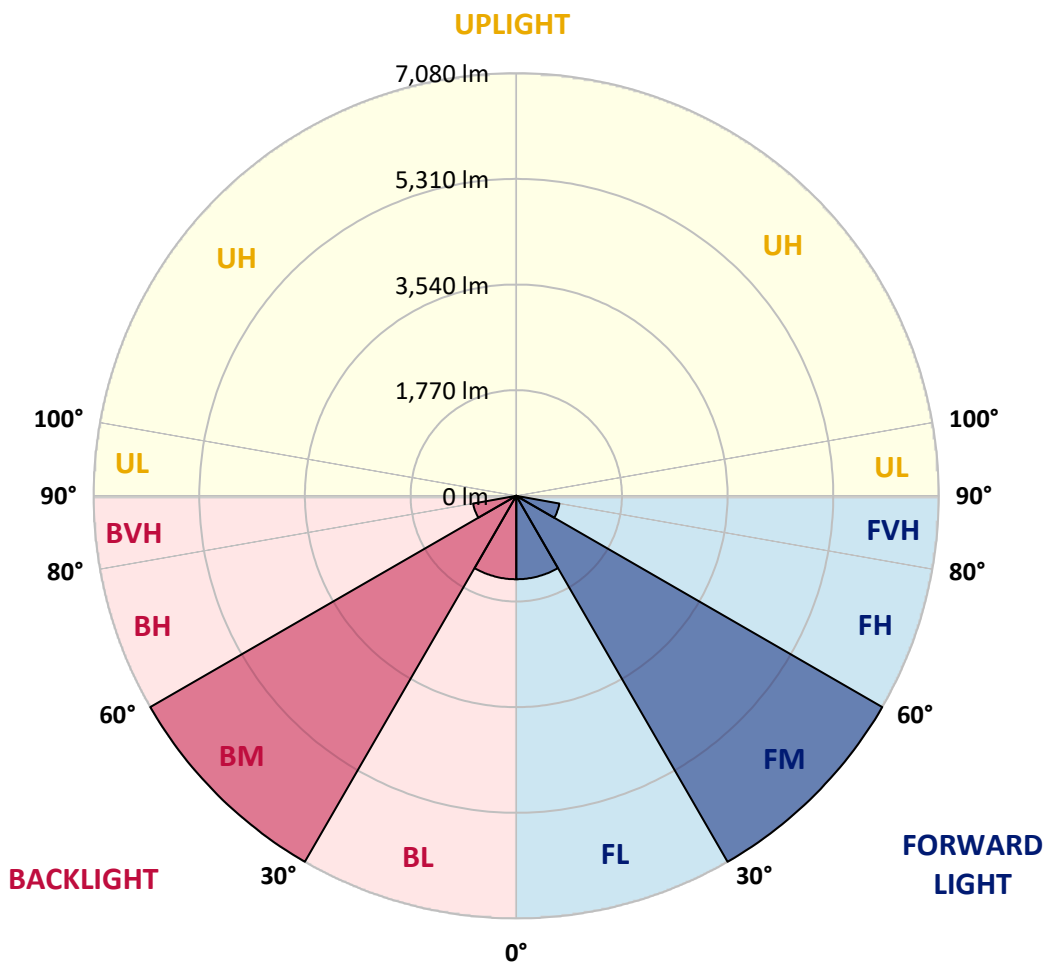


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1398.0	7.6			
FM (30°-60°)	7080.5	38.4			
FH (60°-80°)	734.1	4.0			G1/1800
FVH (80°-90°)	8.5	0.0			G0/10
BL (0°-30°)	1398.0	7.6	B3/2500		
BM (30°-60°)	7080.5	38.4	B4/8500		
BH (60°-80°)	734.1	4.0	B2/1000		G1/1800
BVH (80°-90°)	8.5	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3231.4	3231.4	3231.4	3231.4	3231.4	3231.4	3231.4	3231.4	3231.4	3231.4	3231.4
2.5°	3238.1	3238.1	3241.5	3244.8	3221.4	3211.4	3214.7	3208.0	3204.7	3214.7	3214.7
5°	3228.1	3228.1	3218.1	3221.4	3221.4	3191.3	3191.3	3198.0	3198.0	3178.0	3171.3
7.5°	3201.4	3194.7	3181.3	3198.0	3188.0	3188.0	3164.6	3147.9	3141.2	3154.6	3141.2
10°	3144.6	3147.9	3161.3	3167.9	3161.3	3181.3	3141.2	3117.8	3094.4	3084.4	3084.4
12.5°	3117.8	3137.9	3117.8	3134.5	3157.9	3141.2	3117.8	3101.1	3067.7	3054.3	3054.3
15°	3114.5	3127.8	3134.5	3157.9	3147.9	3154.6	3107.8	3087.7	3037.6	3014.2	3004.2
17.5°	3111.1	3127.8	3137.9	3181.3	3188.0	3191.3	3154.6	3094.4	3051.0	3027.6	3004.2
20°	3147.9	3154.6	3174.6	3218.1	3244.8	3291.6	3224.8	3161.3	3067.7	3041.0	3030.9
22.5°	3194.7	3228.1	3248.1	3294.9	3365.1	3405.2	3318.3	3238.1	3141.2	3107.8	3067.7
25°	3345.1	3338.4	3371.8	3468.7	3525.5	3555.6	3485.4	3368.4	3241.5	3201.4	3208.0
27.5°	3532.2	3538.9	3568.9	3675.9	3759.4	3806.2	3722.7	3568.9	3445.3	3378.5	3371.8
30°	3776.1	3769.5	3802.9	3946.6	4096.9	4167.1	4020.1	3839.6	3719.3	3632.4	3652.5
32.5°	4033.4	4036.8	4130.4	4260.7	4504.6	4641.6	4404.4	4183.8	4003.4	3943.2	3913.1
35°	4414.4	4431.1	4504.6	4705.1	4975.8	5152.9	4892.3	4628.3	4421.1	4310.8	4324.2
37.5°	4885.6	4868.9	4992.5	5209.7	5493.8	5624.1	5403.5	5102.8	4892.3	4818.7	4865.5
40°	5386.8	5403.5	5467.0	5664.2	5981.7	6068.5	5741.1	5577.3	5393.5	5356.8	5413.6
42.5°	5888.1	5878.1	5924.9	6102.0	6332.5	6272.4	6078.6	5981.7	5851.3	5777.8	5854.7
45°	6255.7	6239.0	6325.9	6446.2	6529.7	6416.1	6329.2	6295.8	6229.0	6148.7	6218.9
47.5°	6613.2	6599.9	6683.4	6716.8	6723.5	6573.1	6589.9	6650.0	6482.9	6315.8	6396.0
50°	6917.3	6894.0	6997.5	7071.1	7054.4	6813.7	6873.9	6813.7	6553.1	6355.9	6325.9
52.5°	7425.3	7435.3	7545.6	7679.3	7639.2	7438.6	7351.8	7077.7	6743.6	6566.5	6462.9
55°	7746.1	7696.0	7886.4	8310.8	8357.6	8150.4	7766.1	7361.8	6860.5	6643.3	6616.6
56°	7445.3	7508.8	7809.6	8284.1	8524.7	8334.2	7776.2	7291.6	6740.2	6446.2	6426.1
57.5°	6680.1	6646.7	7054.4	7702.6	8357.6	8277.4	7502.1	6790.4	6148.7	5817.9	5777.8
60°	4157.1	4254.0	4611.6	5413.6	6289.1	6329.2	5560.6	4949.1	4200.5	3906.5	3976.6
62.5°	1627.4	1543.9	1767.8	2365.9	2967.4	3101.1	2810.4	2335.9	1918.1	1627.4	1607.4
65°	377.6	367.6	414.4	571.4	798.7	925.7	878.9	631.6	464.5	441.1	407.7
67.5°	213.9	213.9	203.8	203.8	223.9	237.3	227.2	223.9	233.9	243.9	240.6
70°	150.4	147.0	140.4	143.7	137.0	137.0	147.0	163.7	177.1	177.1	180.5
72.5°	90.2	90.2	90.2	100.3	100.3	100.3	110.3	123.6	127.0	123.6	120.3
75°	40.1	40.1	46.8	56.8	63.5	66.8	76.9	83.5	90.2	83.5	76.9
77.5°	10.0	10.0	16.7	23.4	30.1	36.8	50.1	60.2	63.5	60.2	50.1
80°	3.3	3.3	6.7	16.7	30.1	36.8	50.1	53.5	56.8	50.1	40.1
82.5°	3.3	3.3	6.7	16.7	23.4	30.1	40.1	46.8	50.1	43.4	40.1
85°	0.0	3.3	6.7	13.4	20.1	26.7	26.7	20.1	16.7	10.0	13.4
87.5°	0.0	0.0	3.3	3.3	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)