

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: P530093

Luminaire Tested: **GALN-SA5B-740-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530093
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-SA5B-740-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 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: 17102 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

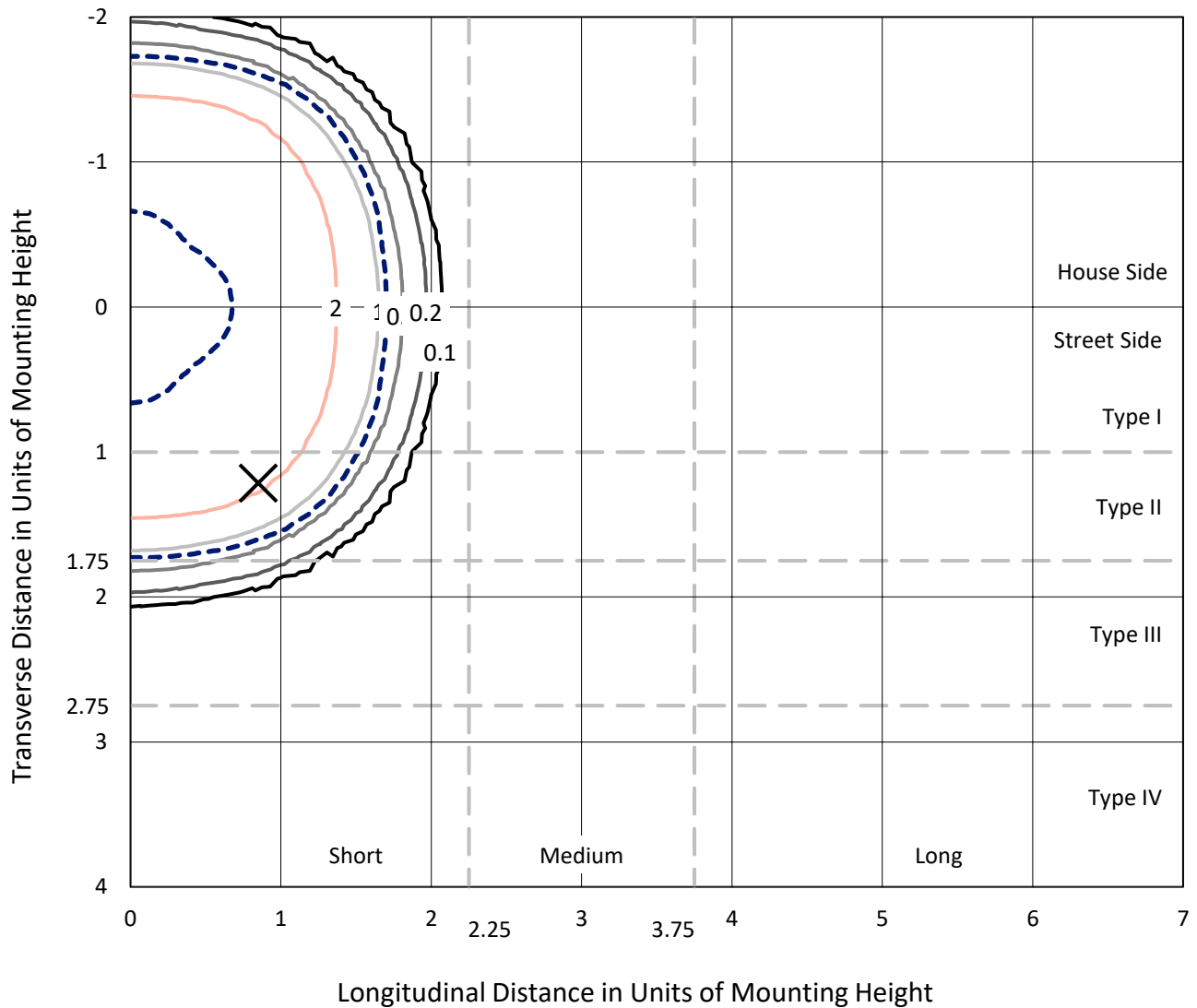
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

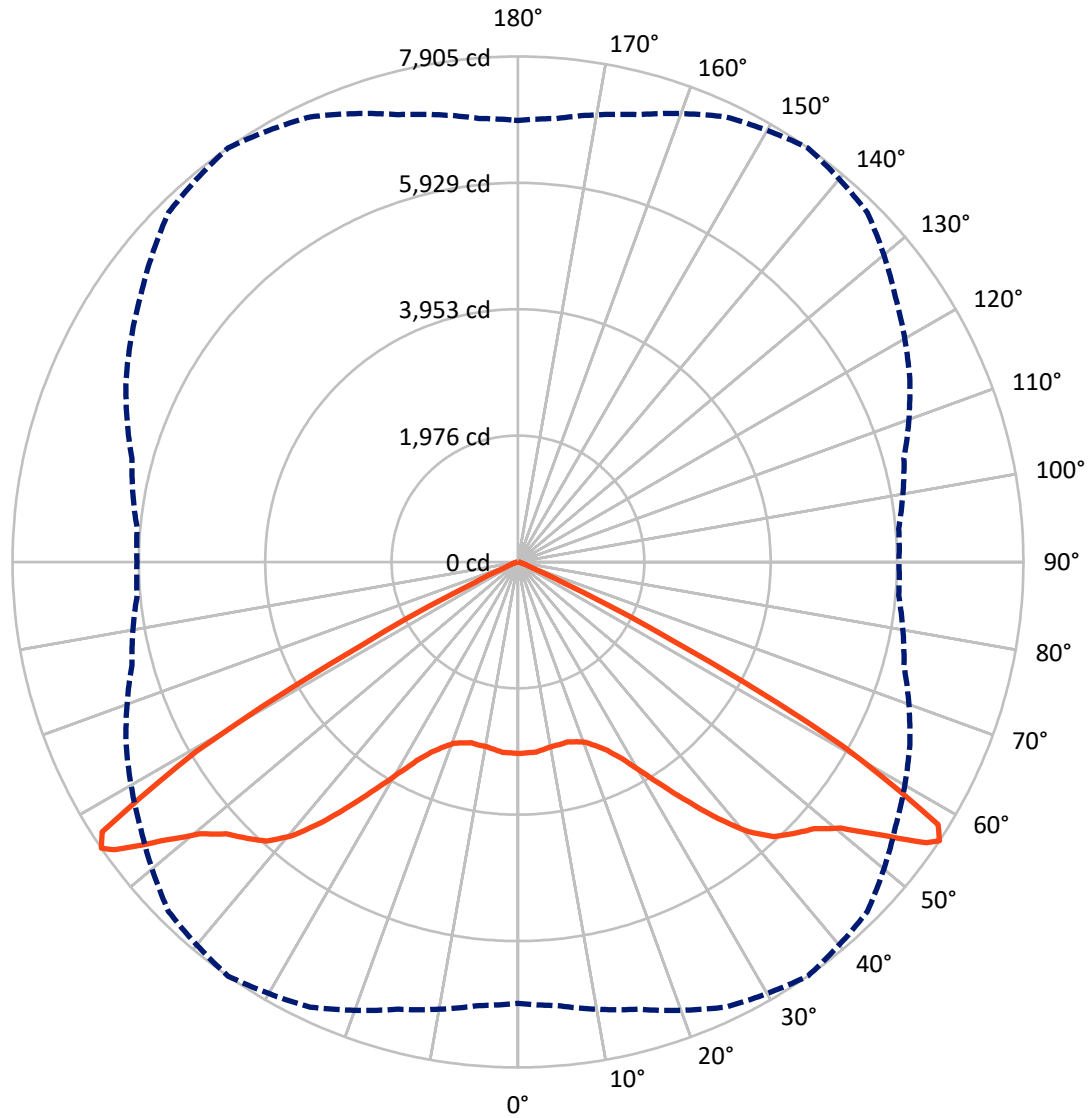
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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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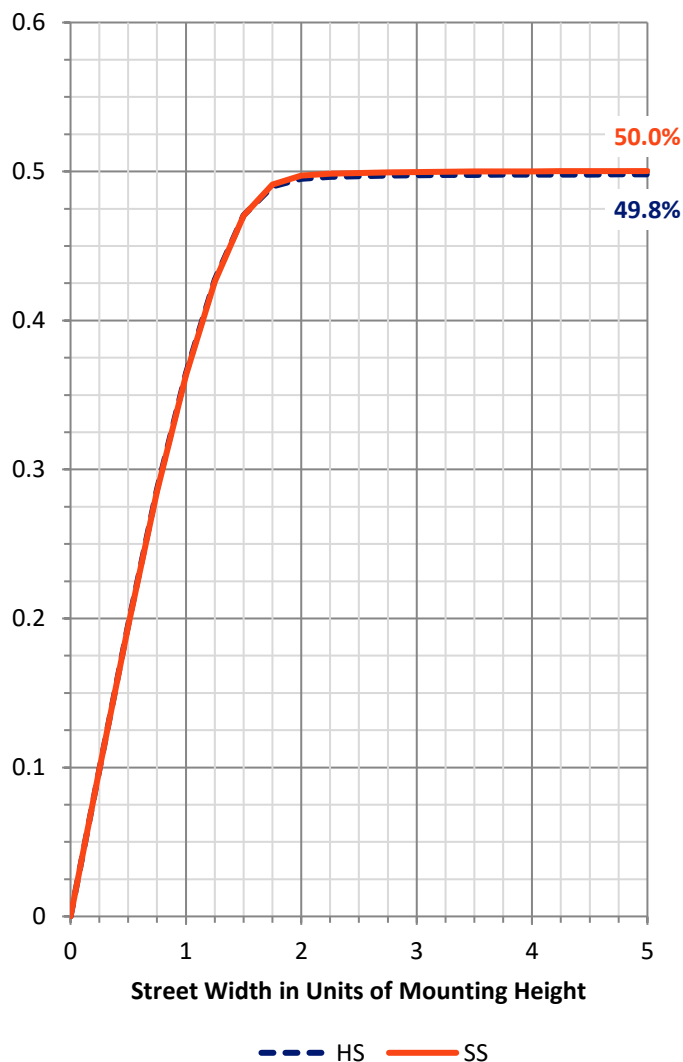
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8551.0	0.0	8551.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8551.0	0.0	8551.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17102.0	0.0	17102.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.6	1.6
10°-20°	822.3	4.8
20°-30°	1489.0	8.7
30°-40°	2761.1	16.1
40°-50°	4532.1	26.5
50°-60°	5838.7	34.1
60°-70°	1286.8	7.5
70°-80°	74.7	0.4
80°-90°	15.7	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°	17102.0	100.0
0°-180°	17102.0	100.0

Coefficient of Utilization

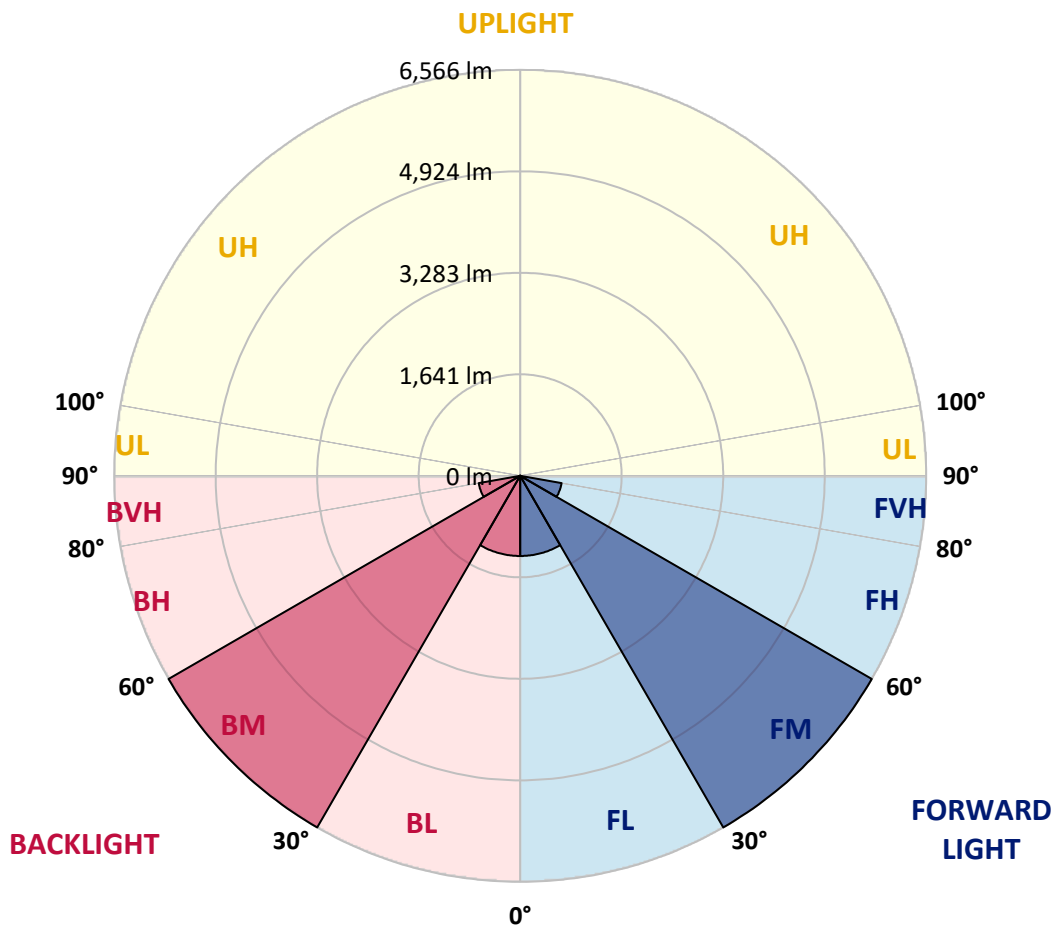


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1296.4	7.6			
FM (30°-60°)	6566.0	38.4			
FH (60°-80°)	680.7	4.0			G1/1800
FVH (80°-90°)	7.9	0.0			G0/10
BL (0°-30°)	1296.4	7.6	B3/2500		
BM (30°-60°)	6566.0	38.4	B4/8500		
BH (60°-80°)	680.7	4.0	B2/1000		G1/1800
BVH (80°-90°)	7.9	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°	2996.6	2996.6	2996.6	2996.6	2996.6	2996.6	2996.6	2996.6	2996.6	2996.6	2996.6
2.5°	3002.8	3002.8	3005.9	3009.0	2987.3	2978.0	2981.1	2974.9	2971.8	2981.1	2981.1
5°	2993.5	2993.5	2984.2	2987.3	2987.3	2959.5	2959.5	2965.6	2965.6	2947.1	2940.9
7.5°	2968.7	2962.6	2950.2	2965.6	2956.4	2956.4	2934.7	2919.2	2913.0	2925.4	2913.0
10°	2916.1	2919.2	2931.6	2937.8	2931.6	2950.2	2913.0	2891.3	2869.6	2860.3	2860.3
12.5°	2891.3	2909.9	2891.3	2906.8	2928.5	2913.0	2891.3	2875.8	2844.8	2832.4	2832.4
15°	2888.2	2900.6	2906.8	2928.5	2919.2	2925.4	2882.0	2863.4	2816.9	2795.2	2785.9
17.5°	2885.1	2900.6	2909.9	2950.2	2956.4	2959.5	2925.4	2869.6	2829.3	2807.6	2785.9
20°	2919.2	2925.4	2944.0	2984.2	3009.0	3052.4	2990.4	2931.6	2844.8	2820.0	2810.7
22.5°	2962.6	2993.5	3012.1	3055.5	3120.6	3157.8	3077.2	3002.8	2913.0	2882.0	2844.8
25°	3102.0	3095.8	3126.8	3216.7	3269.3	3297.2	3232.2	3123.7	3005.9	2968.7	2974.9
27.5°	3275.5	3281.7	3309.6	3408.8	3486.3	3529.6	3452.2	3309.6	3195.0	3133.0	3126.8
30°	3501.8	3495.6	3526.6	3659.8	3799.3	3864.3	3728.0	3560.6	3449.1	3368.5	3387.1
32.5°	3740.4	3743.5	3830.2	3951.1	4177.3	4304.4	4084.4	3879.8	3712.5	3656.7	3628.8
35°	4093.6	4109.1	4177.3	4363.3	4614.3	4778.5	4536.8	4292.0	4099.8	3997.6	4010.0
37.5°	4530.6	4515.1	4629.8	4831.2	5094.6	5215.5	5010.9	4732.0	4536.8	4468.6	4512.0
40°	4995.4	5010.9	5069.8	5252.6	5547.0	5627.6	5323.9	5172.1	5001.6	4967.5	5020.2
42.5°	5460.3	5451.0	5494.4	5658.6	5872.4	5816.6	5636.9	5547.0	5426.2	5358.0	5429.3
45°	5801.1	5785.6	5866.2	5977.8	6055.3	5949.9	5869.3	5838.3	5776.4	5702.0	5767.1
47.5°	6132.7	6120.3	6197.8	6228.8	6235.0	6095.5	6111.0	6166.8	6011.9	5856.9	5931.3
50°	6414.7	6393.0	6489.1	6557.3	6541.8	6318.7	6374.4	6318.7	6076.9	5894.1	5866.2
52.5°	6885.8	6895.1	6997.3	7121.3	7084.1	6898.2	6817.6	6563.5	6253.6	6089.3	5993.3
55°	7183.3	7136.8	7313.4	7707.0	7750.4	7558.2	7201.8	6826.9	6362.0	6160.6	6135.8
56°	6904.4	6963.2	7242.1	7682.2	7905.3	7728.7	7211.1	6761.8	6250.5	5977.8	5959.2
57.5°	6194.7	6163.7	6541.8	7143.0	7750.4	7676.0	6957.0	6297.0	5702.0	5395.2	5358.0
60°	3855.0	3944.9	4276.5	5020.2	5832.1	5869.3	5156.6	4589.5	3895.3	3622.6	3687.7
62.5°	1509.2	1431.7	1639.3	2194.0	2751.8	2875.8	2606.2	2166.1	1778.8	1509.2	1490.6
65°	350.2	340.9	384.3	529.9	740.6	858.4	815.0	585.7	430.7	409.1	378.1
67.5°	198.3	198.3	189.0	189.0	207.6	220.0	210.7	207.6	216.9	226.2	223.1
70°	139.5	136.4	130.2	133.3	127.1	127.1	136.4	151.8	164.2	164.2	167.3
72.5°	83.7	83.7	83.7	93.0	93.0	93.0	102.3	114.7	117.8	114.7	111.6
75°	37.2	37.2	43.4	52.7	58.9	62.0	71.3	77.5	83.7	77.5	71.3
77.5°	9.3	9.3	15.5	21.7	27.9	34.1	46.5	55.8	58.9	55.8	46.5
80°	3.1	3.1	6.2	15.5	27.9	34.1	46.5	49.6	52.7	46.5	37.2
82.5°	3.1	3.1	6.2	15.5	21.7	27.9	37.2	43.4	46.5	40.3	37.2
85°	0.0	3.1	6.2	12.4	18.6	24.8	24.8	18.6	15.5	9.3	12.4
87.5°	0.0	0.0	3.1	3.1	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)