

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: P530049

Luminaire Tested: **GALN-SA5B-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5B-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16771 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

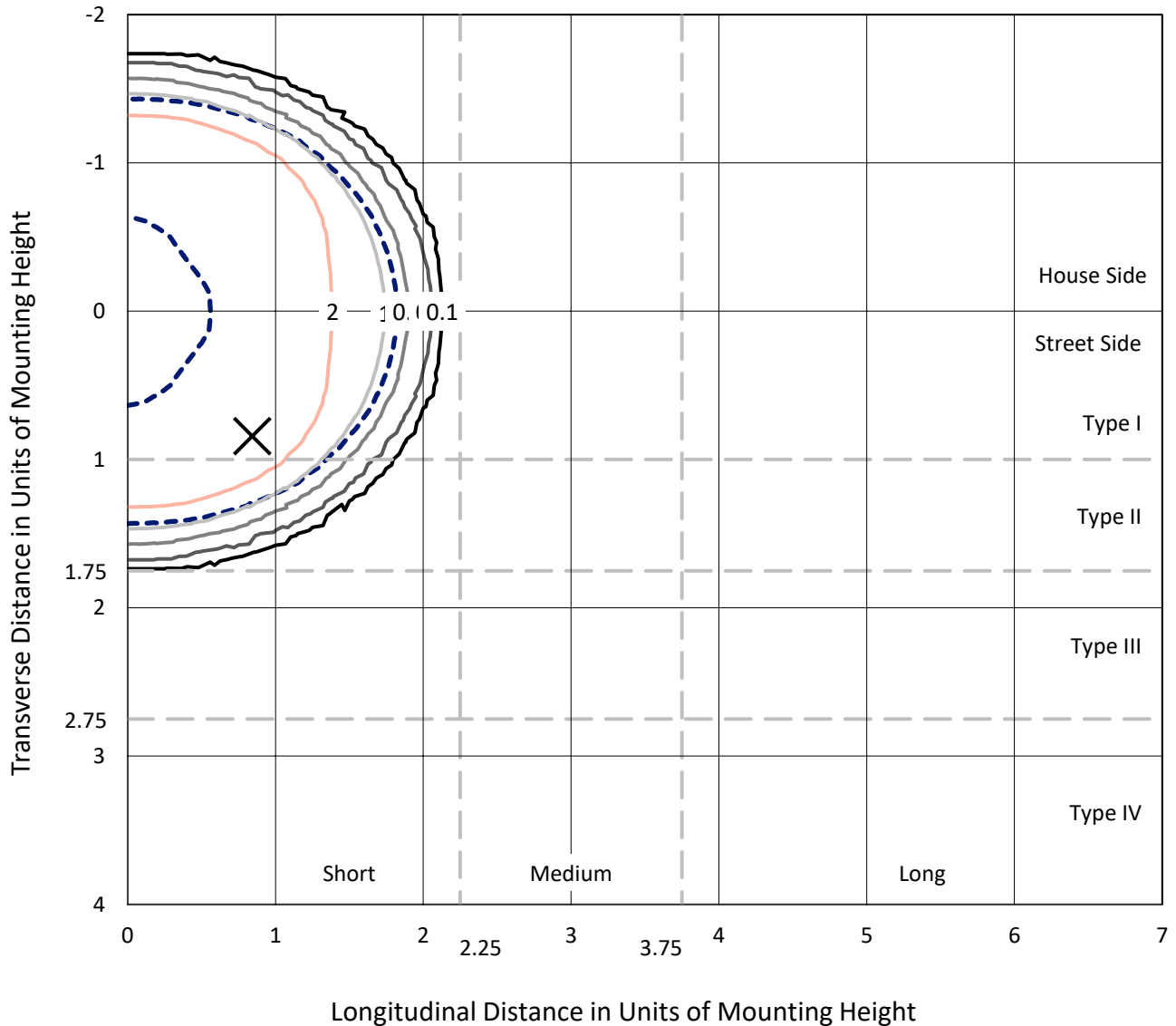
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

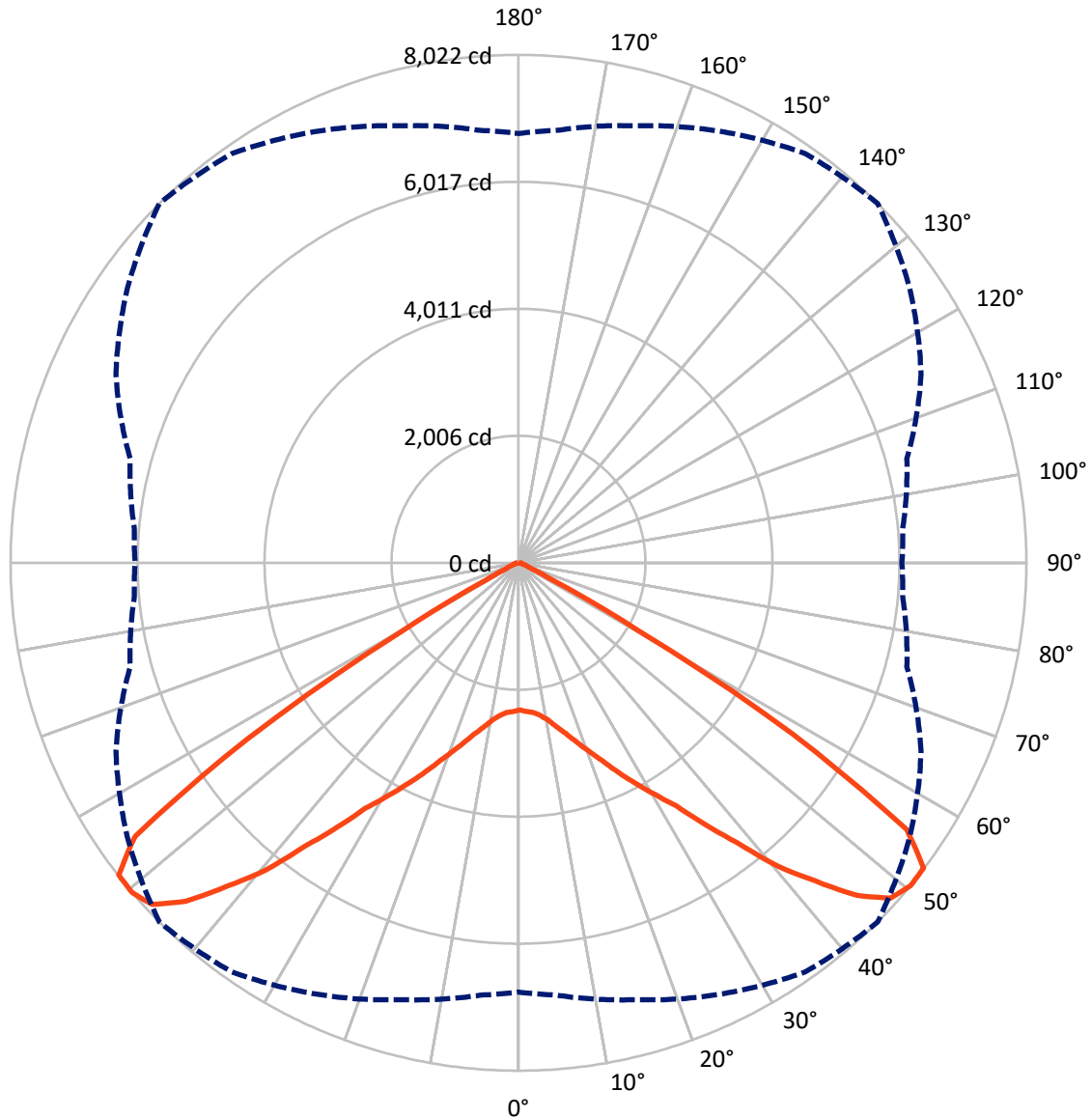
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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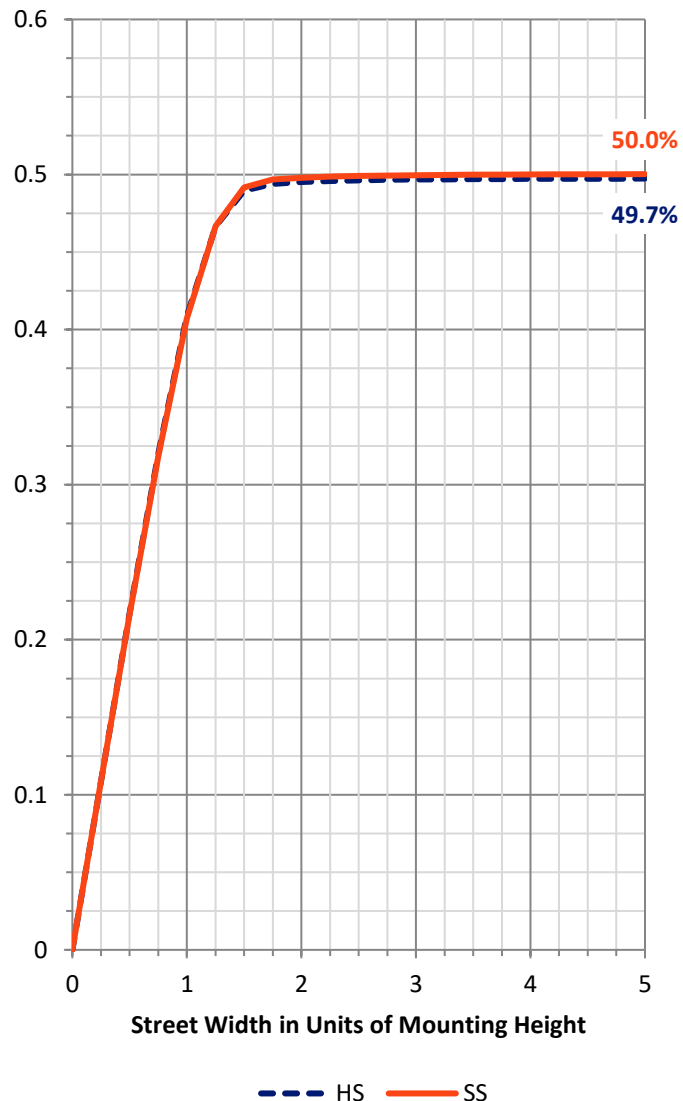
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8385.5	0.0	8385.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8385.5	0.0	8385.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16771.0	0.0	16771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.3	1.4
10°-20°	797.2	4.8
20°-30°	1628.3	9.7
30°-40°	3105.1	18.5
40°-50°	5232.6	31.2
50°-60°	4990.2	29.8
60°-70°	696.6	4.2
70°-80°	66.6	0.4
80°-90°	23.0	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°	16771.0	100.0
0°-180°	16771.0	100.0

Coefficient of Utilization



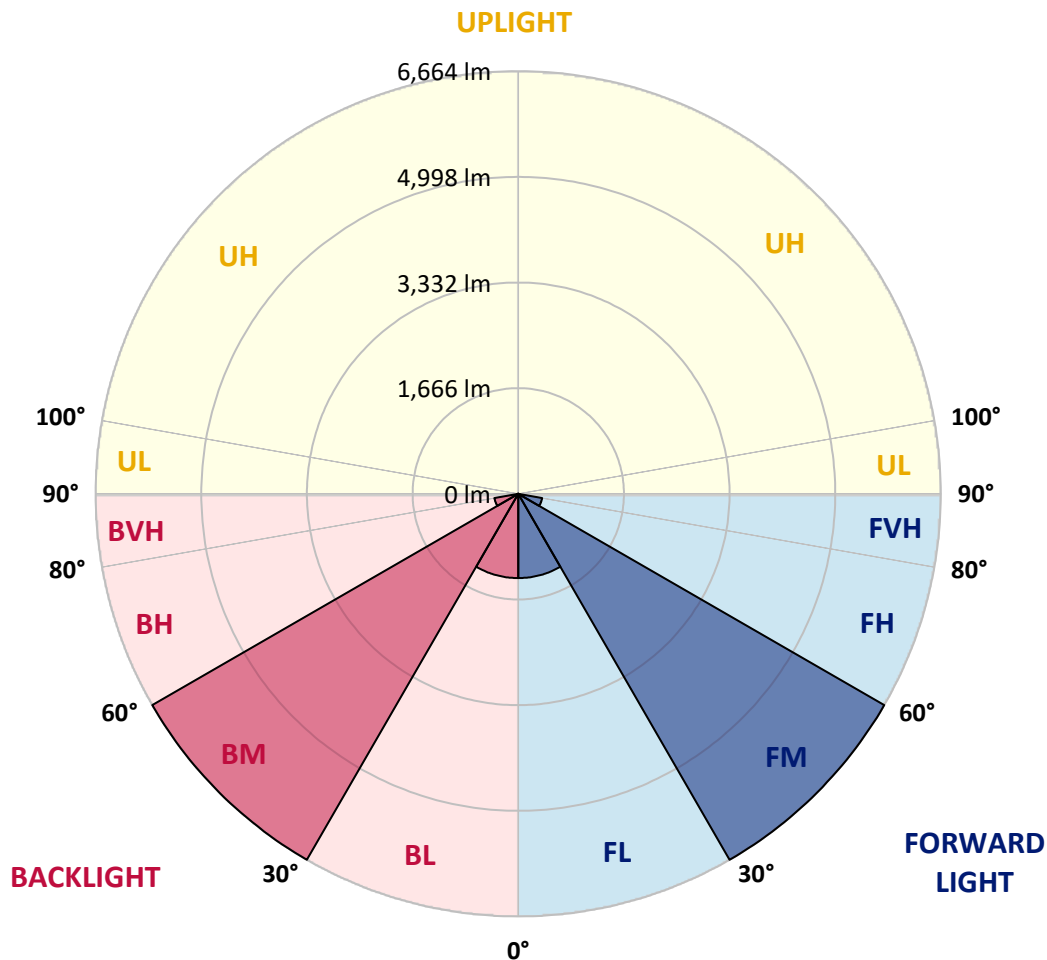
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1328.4	7.9			
FM (30°-60°)	6664.0	39.7			
FH (60°-80°)	381.6	2.3			G0/660
FVH (80°-90°)	11.5	0.1			G1/100
BL (0°-30°)	1328.4	7.9	B3/2500		
BM (30°-60°)	6664.0	39.7	B4/8500		
BH (60°-80°)	381.6	2.3	B1/500		G0/660
BVH (80°-90°)	11.5	0.1			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2325.1	2325.1	2325.1	2325.1	2325.1	2325.1	2325.1	2325.1	2325.1	2325.1	2325.1
2.5°	2316.6	2316.6	2313.8	2336.4	2325.1	2350.5	2347.7	2356.2	2364.6	2361.8	2384.4
5°	2296.9	2294.1	2294.1	2319.5	2344.9	2373.1	2398.5	2415.4	2443.6	2443.6	2471.8
7.5°	2316.6	2302.5	2322.3	2333.6	2381.5	2429.5	2471.8	2505.7	2570.6	2593.2	2584.7
10°	2322.3	2339.2	2353.3	2387.2	2446.4	2519.8	2556.5	2641.1	2714.5	2765.3	2776.6
12.5°	2359.0	2384.4	2423.9	2505.7	2559.3	2655.3	2706.0	2787.9	2889.5	2945.9	2985.4
15°	2429.5	2438.0	2488.8	2593.2	2708.9	2796.3	2875.4	2934.6	3033.4	3098.3	3101.1
17.5°	2519.8	2556.5	2627.0	2725.8	2847.1	2976.9	3039.0	3103.9	3140.6	3228.1	3247.8
20°	2700.4	2706.0	2773.8	2903.6	3055.9	3174.5	3219.6	3253.5	3239.4	3329.7	3346.6
22.5°	2869.7	2875.4	2960.0	3135.0	3298.6	3400.2	3420.0	3400.2	3357.9	3422.8	3428.4
25°	3041.8	3092.6	3154.7	3329.7	3532.8	3668.3	3671.1	3617.5	3530.0	3541.3	3569.5
27.5°	3309.9	3346.6	3411.5	3572.3	3795.2	3947.6	3922.2	3857.3	3744.5	3752.9	3744.5
30°	3623.1	3657.0	3710.6	3916.6	4080.2	4246.7	4283.4	4221.3	4052.0	4015.3	4057.7
32.5°	4001.2	4049.2	4148.0	4337.0	4475.3	4576.9	4602.3	4579.7	4421.7	4407.6	4435.8
35°	4461.2	4526.1	4616.4	4782.9	4895.7	5079.1	5079.1	5002.9	4859.0	4876.0	4873.1
37.5°	4946.5	5042.5	5183.5	5352.8	5505.2	5604.0	5572.9	5508.0	5364.1	5327.4	5364.1
40°	5556.0	5604.0	5781.7	6001.8	6188.1	6300.9	6168.3	6027.2	5683.0	5736.6	5835.4
42.5°	6111.9	6188.1	6323.5	6566.2	6777.8	6870.9	6712.9	6433.6	6018.8	5976.4	6049.8
45°	6585.9	6667.8	6845.5	7192.6	7415.5	7497.4	7147.5	6696.0	6221.9	6114.7	6145.8
47.5°	6902.0	6944.3	7192.6	7522.8	7725.9	7912.2	7409.9	6876.6	6317.9	6114.7	6103.4
50°	6780.6	6854.0	7144.6	7519.9	7889.6	8022.2	7542.5	7014.8	6348.9	6089.3	6055.5
52.5°	6021.6	6148.6	6473.1	6978.2	7536.9	8010.9	7725.9	6969.7	6337.6	6114.7	6165.5
55°	4190.3	4193.1	4588.2	5333.1	6320.7	7438.1	7457.9	7020.5	6411.0	6272.7	6275.6
57.5°	1684.6	1769.2	2071.2	2818.9	3730.3	5107.4	6072.4	6512.6	6419.5	6385.6	6473.1
60°	426.1	428.9	522.0	795.7	1312.1	2189.7	3180.1	4303.2	4955.0	5177.9	5208.9
62.5°	217.3	220.1	242.7	282.2	358.4	586.9	1044.0	1656.4	2356.2	2711.7	2804.8
65°	177.8	177.8	191.9	211.6	214.5	225.7	270.9	386.6	561.5	637.7	646.2
67.5°	135.4	135.4	146.7	158.0	163.7	160.8	155.2	160.8	194.7	186.2	180.6
70°	84.7	87.5	93.1	104.4	110.0	112.9	115.7	121.3	138.3	143.9	138.3
72.5°	50.8	50.8	53.6	62.1	70.5	76.2	84.7	90.3	98.8	112.9	110.0
75°	22.6	22.6	28.2	36.7	45.1	53.6	62.1	70.5	76.2	84.7	87.5
77.5°	5.6	8.5	14.1	25.4	33.9	45.1	56.4	64.9	70.5	70.5	67.7
80°	2.8	2.8	11.3	19.8	36.7	48.0	62.1	67.7	76.2	70.5	62.1
82.5°	2.8	2.8	11.3	19.8	33.9	48.0	64.9	73.4	79.0	70.5	59.3
85°	0.0	2.8	8.5	16.9	28.2	33.9	28.2	19.8	11.3	11.3	8.5
87.5°	0.0	0.0	2.8	2.8	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)