

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: P652381

Luminaire Tested: **GALN-SA5B-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652381
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-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 4000K, 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: 15487 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

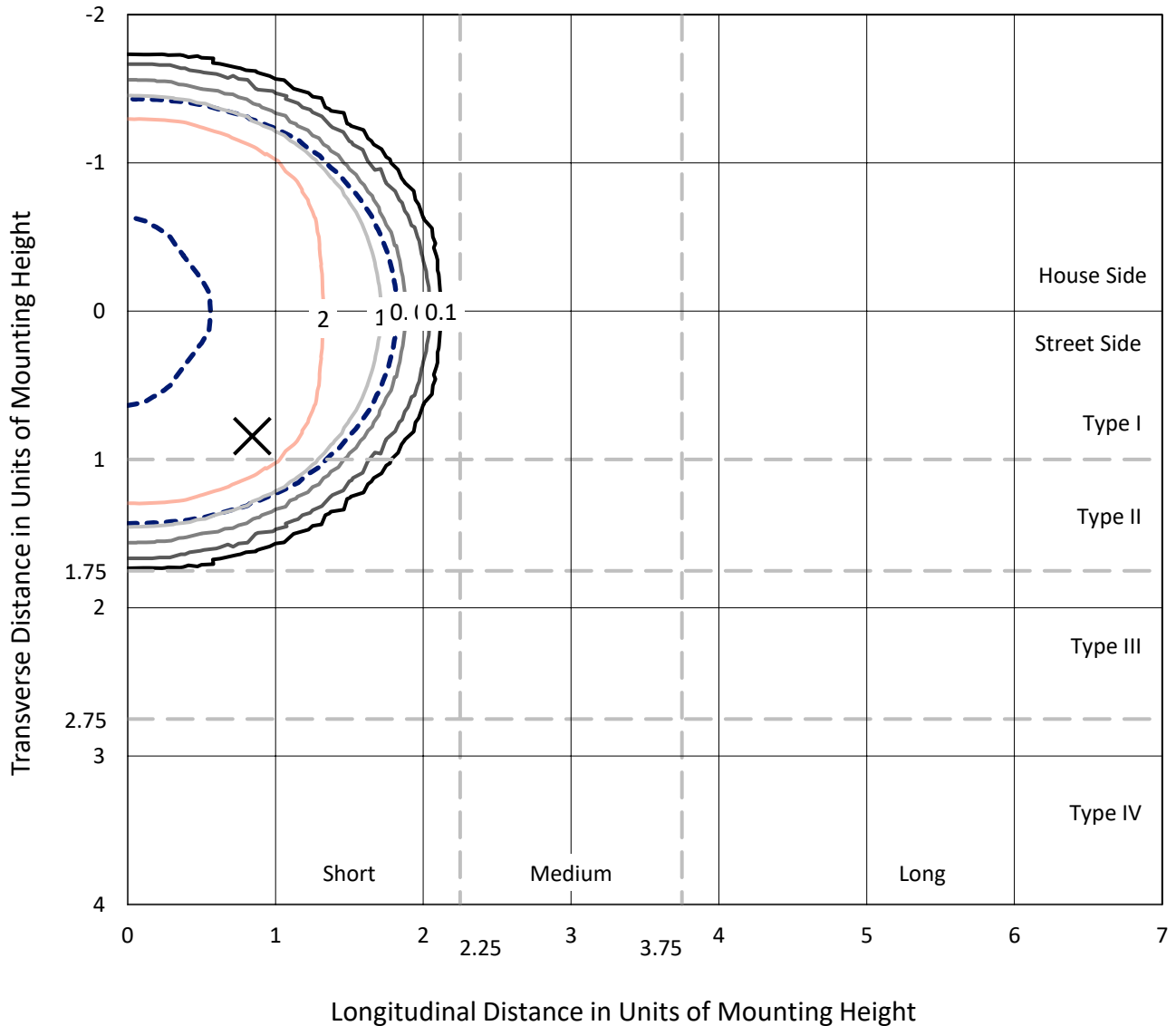
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

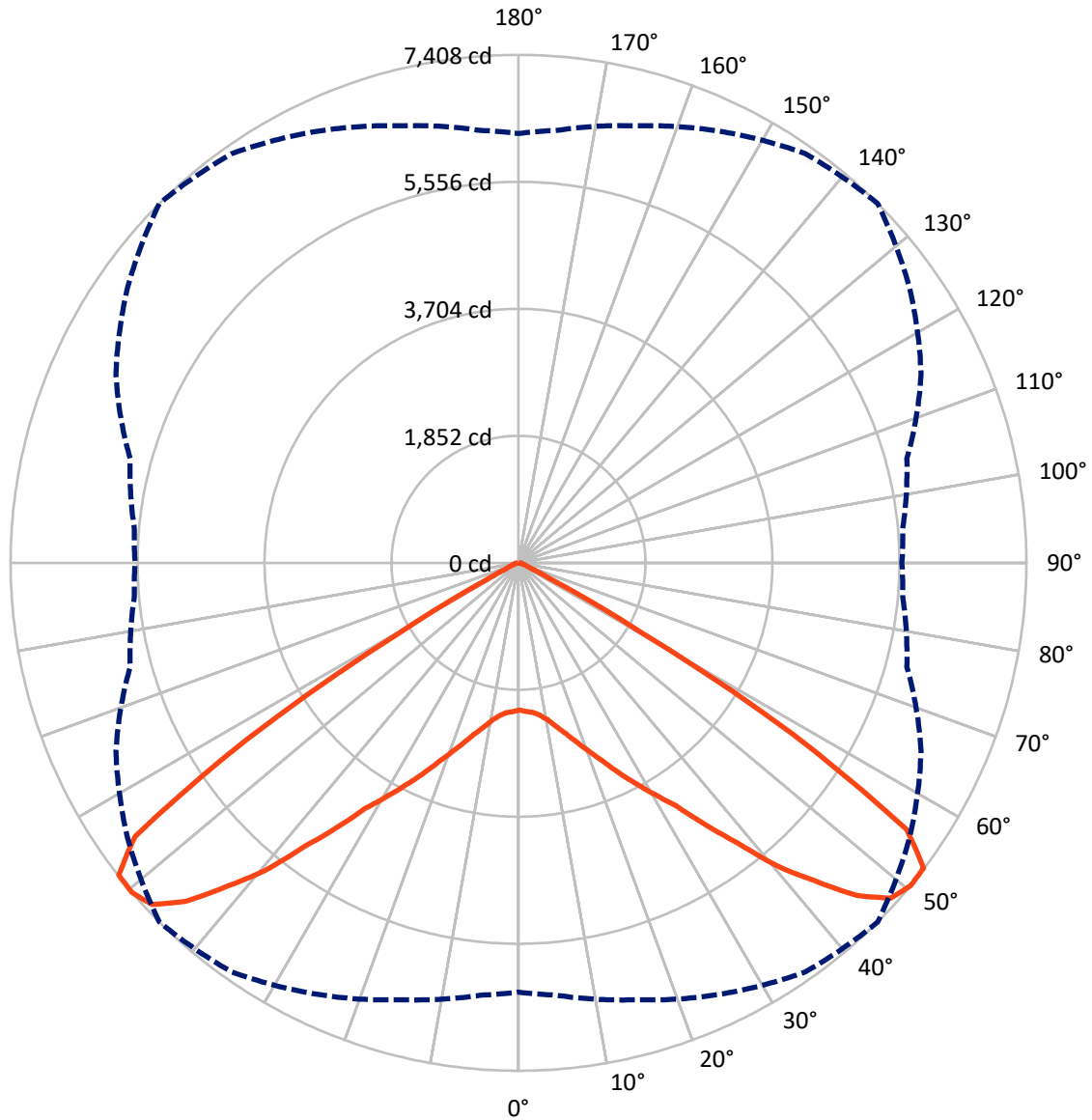
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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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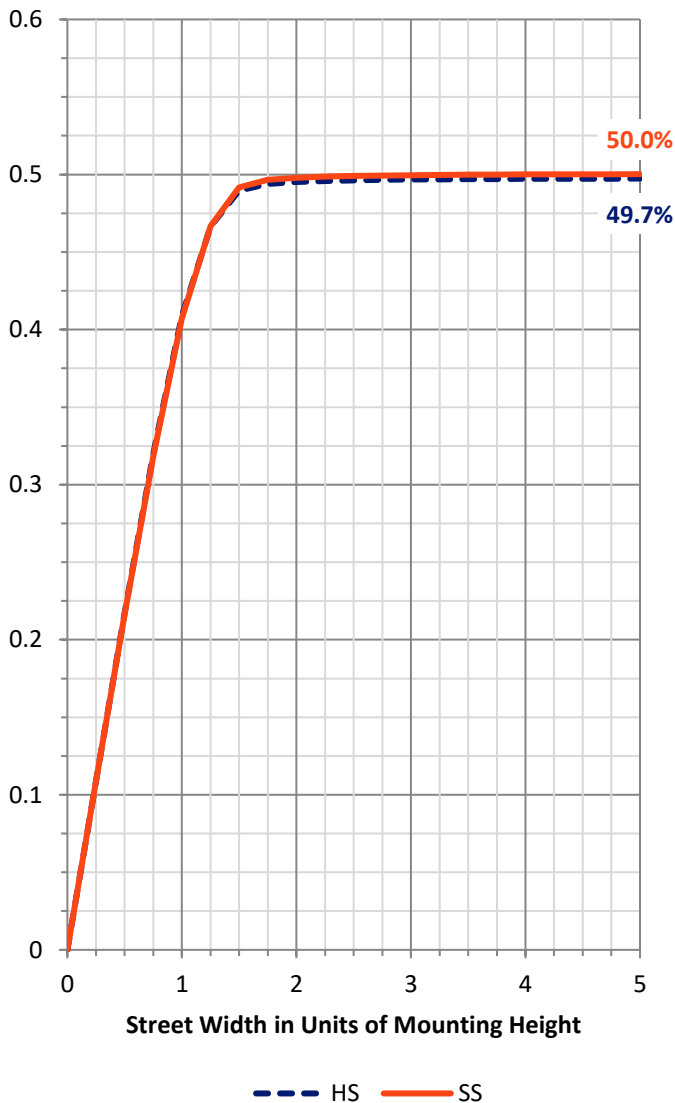
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7743.5	0.0	7743.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7743.5	0.0	7743.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15487.0	0.0	15487.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.6	1.4
10°-20°	736.2	4.8
20°-30°	1503.6	9.7
30°-40°	2867.4	18.5
40°-50°	4832.0	31.2
50°-60°	4608.2	29.8
60°-70°	643.3	4.2
70°-80°	61.5	0.4
80°-90°	21.3	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°	15487.0	100.0
0°-180°	15487.0	100.0

Coefficient of Utilization

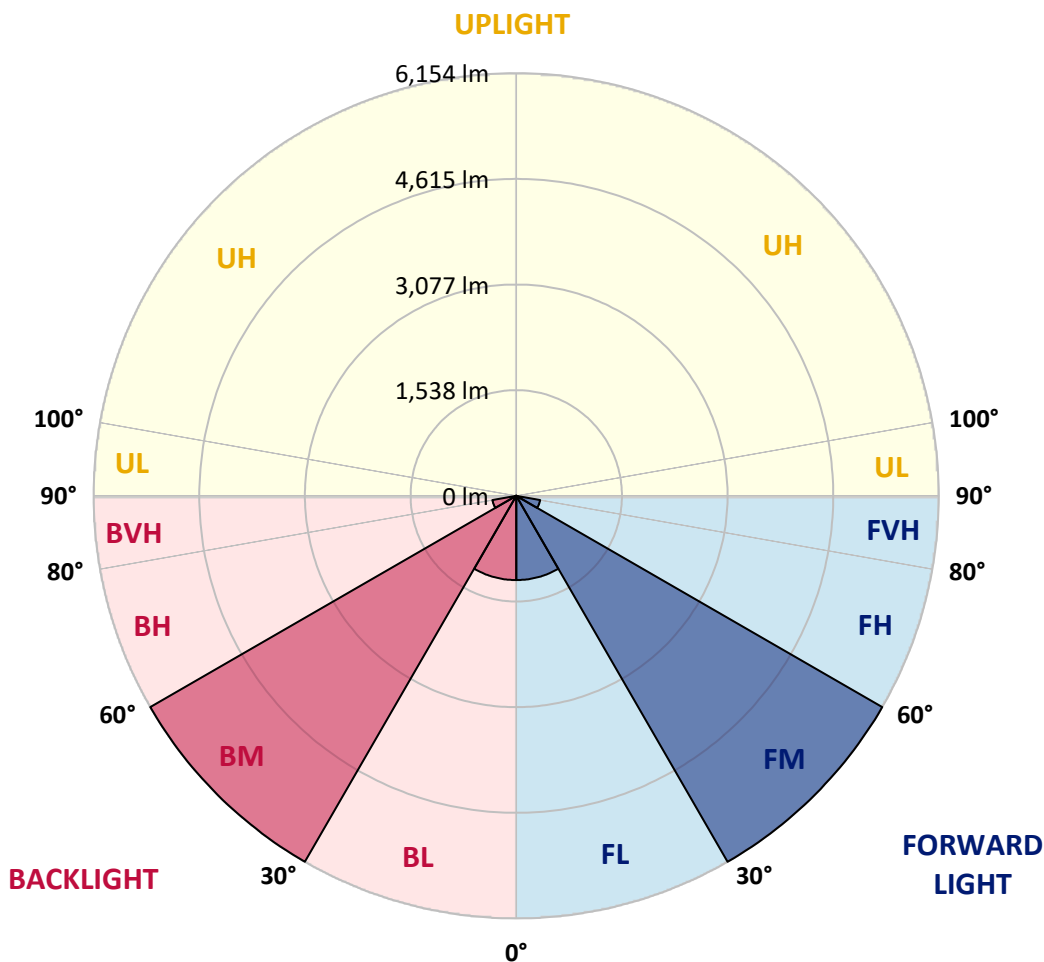


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1226.7	7.9			
FM (30°-60°)	6153.8	39.7			
FH (60°-80°)	352.4	2.3			G0/660
FVH (80°-90°)	10.6	0.1			G1/100
BL (0°-30°)	1226.7	7.9	B3/2500		
BM (30°-60°)	6153.8	39.7	B4/8500		
BH (60°-80°)	352.4	2.3	B1/500		G0/660
BVH (80°-90°)	10.6	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°	2147.1	2147.1	2147.1	2147.1	2147.1	2147.1	2147.1	2147.1	2147.1	2147.1	2147.1
2.5°	2139.3	2139.3	2136.6	2157.5	2147.1	2170.5	2167.9	2175.8	2183.6	2181.0	2201.8
5°	2121.1	2118.5	2118.5	2141.9	2165.3	2191.4	2214.9	2230.5	2256.6	2256.6	2282.6
7.5°	2139.3	2126.3	2144.5	2154.9	2199.2	2243.5	2282.6	2313.8	2373.8	2394.7	2386.8
10°	2144.5	2160.1	2173.1	2204.4	2259.2	2326.9	2360.8	2439.0	2506.7	2553.6	2564.0
12.5°	2178.4	2201.8	2238.3	2313.8	2363.4	2451.9	2498.9	2574.5	2668.2	2720.4	2756.9
15°	2243.5	2251.4	2298.2	2394.7	2501.5	2582.3	2655.2	2710.0	2801.1	2861.1	2863.7
17.5°	2326.9	2360.8	2425.9	2517.1	2629.1	2749.1	2806.3	2866.3	2900.2	2980.9	2999.2
20°	2493.6	2498.9	2561.4	2681.3	2822.0	2931.4	2973.1	3004.4	2991.4	3074.7	3090.3
22.5°	2650.0	2655.2	2733.4	2895.0	3046.1	3139.9	3158.1	3139.9	3100.8	3160.7	3165.9
25°	2808.9	2855.9	2913.2	3074.7	3262.3	3387.4	3390.0	3340.5	3259.7	3270.1	3296.2
27.5°	3056.5	3090.3	3150.3	3298.8	3504.7	3645.4	3621.9	3562.0	3457.8	3465.6	3457.8
30°	3345.8	3377.0	3426.5	3616.7	3767.8	3921.6	3955.5	3898.1	3741.8	3707.9	3747.0
32.5°	3694.9	3739.2	3830.4	4005.0	4132.7	4226.4	4249.9	4229.1	4083.1	4070.1	4096.2
35°	4119.6	4179.5	4262.9	4416.7	4520.9	4690.3	4690.3	4619.9	4487.1	4502.6	4500.0
37.5°	4567.8	4656.4	4786.7	4943.1	5083.8	5174.9	5146.2	5086.4	4953.5	4919.6	4953.5
40°	5130.6	5174.9	5339.1	5542.4	5714.3	5818.5	5696.1	5565.8	5247.9	5297.4	5388.6
42.5°	5644.0	5714.3	5839.4	6063.5	6258.9	6344.9	6199.0	5941.0	5558.0	5518.9	5586.7
45°	6081.7	6157.3	6321.5	6642.0	6847.8	6923.4	6600.3	6183.4	5745.6	5646.6	5675.2
47.5°	6373.6	6412.6	6642.0	6946.8	7134.5	7306.4	6842.6	6350.1	5834.2	5646.6	5636.1
50°	6261.5	6329.3	6597.6	6944.2	7285.6	7408.0	6965.1	6477.8	5862.9	5623.1	5591.9
52.5°	5560.6	5677.8	5977.5	6443.9	6959.9	7397.6	7134.5	6436.1	5852.4	5646.6	5693.5
55°	3869.4	3872.0	4236.9	4924.8	5836.8	6868.6	6886.9	6483.0	5920.1	5792.5	5795.1
57.5°	1555.6	1633.8	1912.6	2603.1	3444.7	4716.3	5607.5	6014.0	5928.0	5896.8	5977.5
60°	393.5	396.0	482.1	734.8	1211.6	2022.0	2936.6	3973.7	4575.6	4781.5	4810.1
62.5°	200.7	203.3	224.1	260.5	330.9	542.0	964.1	1529.5	2175.8	2504.1	2590.1
65°	164.2	164.2	177.2	195.4	198.1	208.5	250.1	357.0	518.6	588.9	596.7
67.5°	125.1	125.1	135.5	145.9	151.1	148.5	143.3	148.5	179.8	172.0	166.8
70°	78.2	80.7	86.0	96.4	101.6	104.2	106.8	112.0	127.7	132.9	127.7
72.5°	46.9	46.9	49.5	57.4	65.2	70.4	78.2	83.3	91.2	104.2	101.6
75°	20.9	20.9	26.1	33.9	41.7	49.5	57.4	65.2	70.4	78.2	80.7
77.5°	5.2	7.8	13.0	23.5	31.3	41.7	52.1	60.0	65.2	65.2	62.6
80°	2.6	2.6	10.4	18.2	33.9	44.3	57.4	62.6	70.4	65.2	57.4
82.5°	2.6	2.6	10.4	18.2	31.3	44.3	60.0	67.8	73.0	65.2	54.7
85°	0.0	2.6	7.8	15.6	26.1	31.3	26.1	18.2	10.4	10.4	7.8
87.5°	0.0	0.0	2.6	2.6	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)