

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: P528463

Luminaire Tested: **GALN-SA3C-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528463
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-SA3C-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA 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: 13563 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

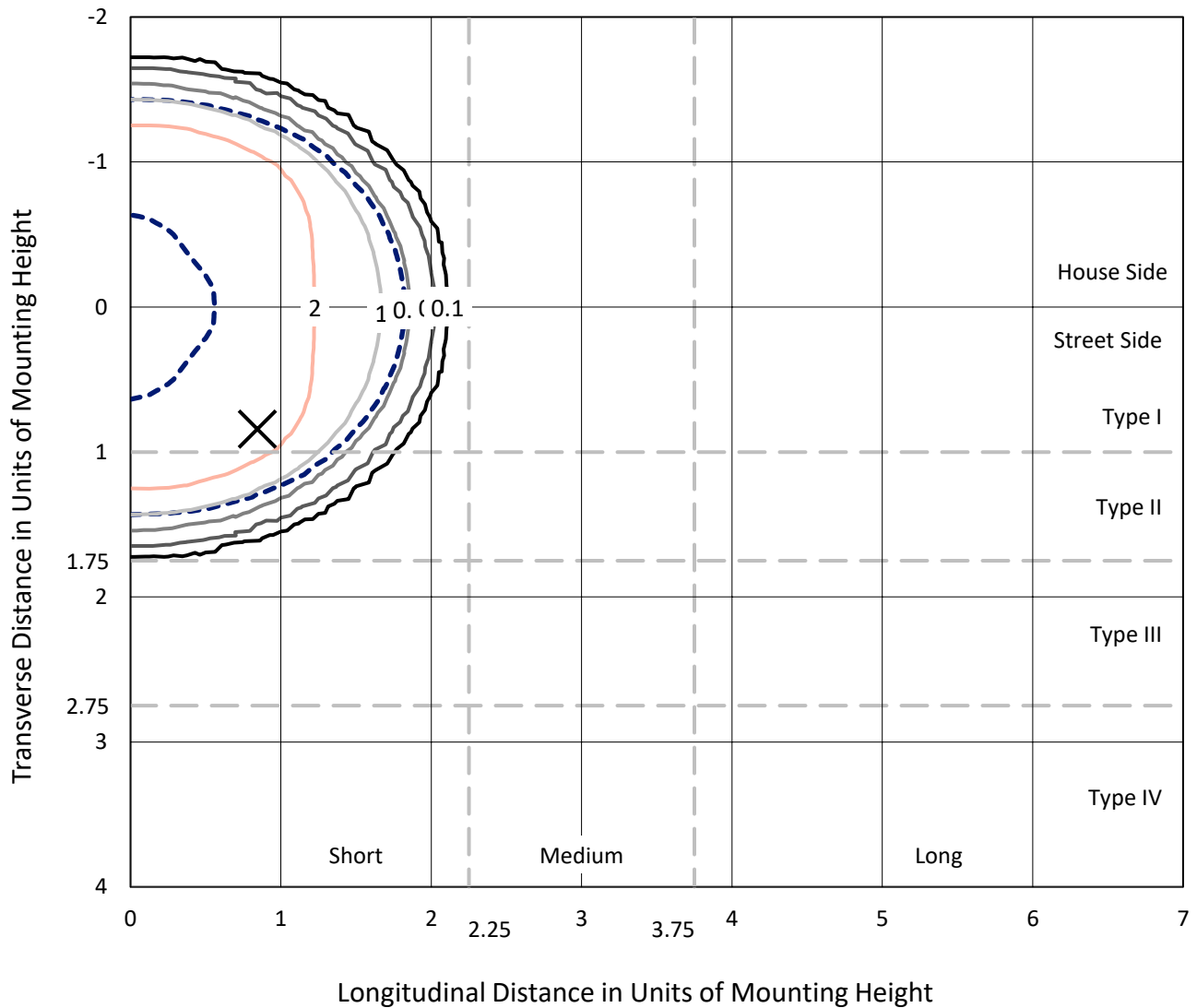
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

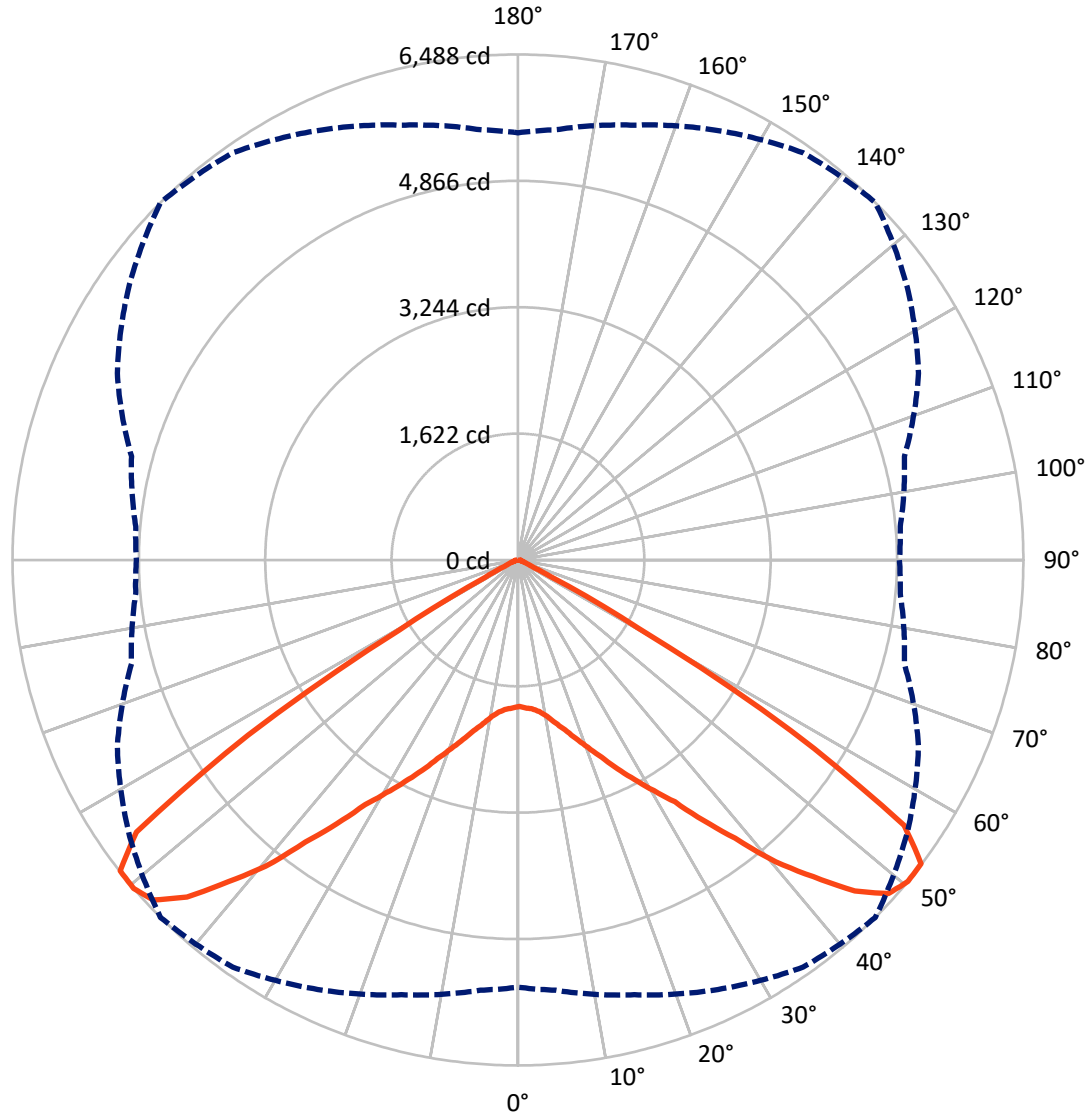
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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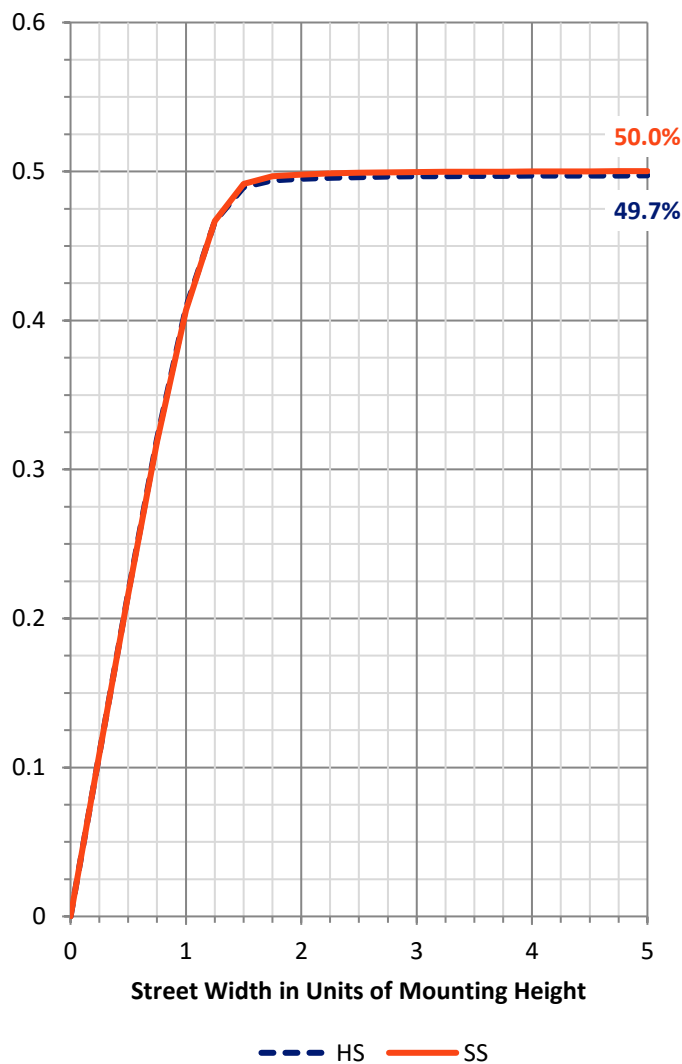
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6781.5	0.0	6781.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6781.5	0.0	6781.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13563.0	0.0	13563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.1	1.4
10°-20°	644.7	4.8
20°-30°	1316.8	9.7
30°-40°	2511.2	18.5
40°-50°	4231.7	31.2
50°-60°	4035.7	29.8
60°-70°	563.4	4.2
70°-80°	53.9	0.4
80°-90°	18.6	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°	13563.0	100.0
0°-180°	13563.0	100.0

Coefficient of Utilization



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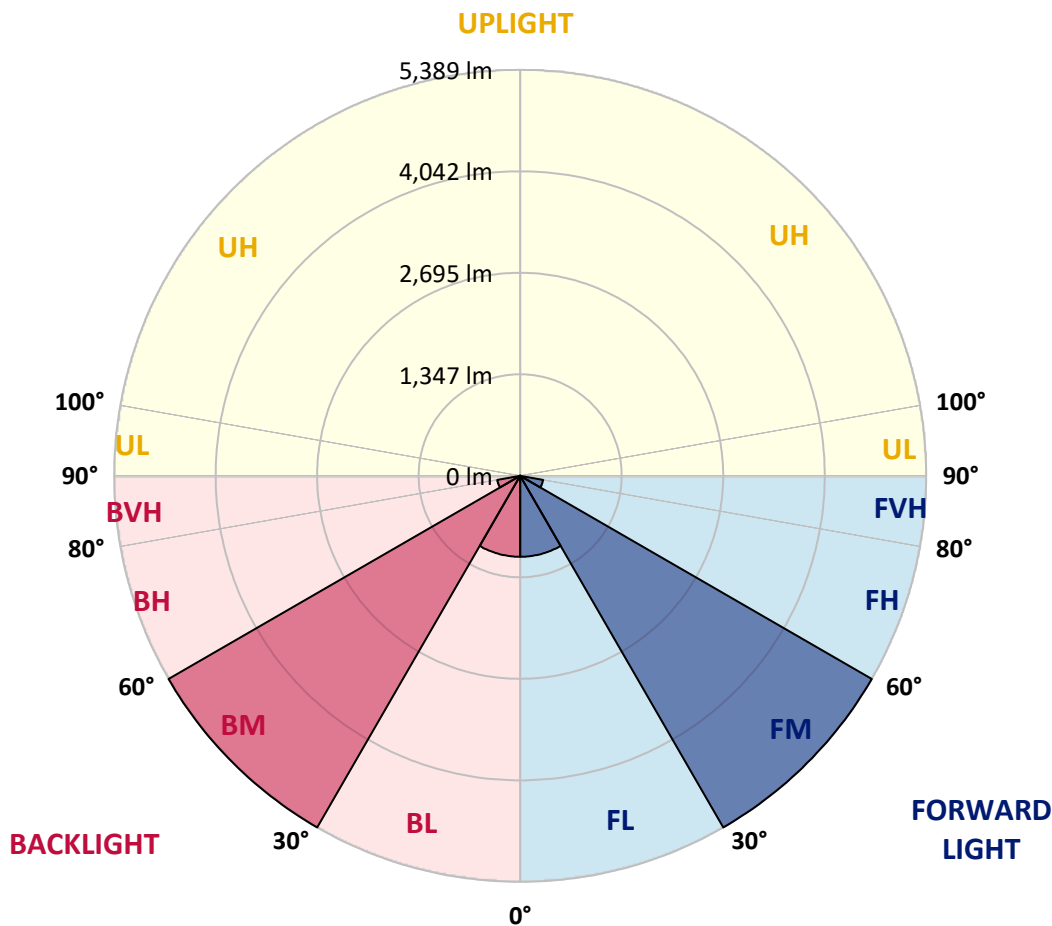
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1074.3	7.9			
FM (30°-60°)	5389.3	39.7			
FH (60°-80°)	308.6	2.3			G0/660
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	1074.3	7.9	B3/2500		
BM (30°-60°)	5389.3	39.7	B4/8500		
BH (60°-80°)	308.6	2.3	B1/500		G0/660
BVH (80°-90°)	9.3	0.1			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1880.4	1880.4	1880.4	1880.4	1880.4	1880.4	1880.4	1880.4	1880.4	1880.4	1880.4
2.5°	1873.5	1873.5	1871.2	1889.5	1880.4	1900.9	1898.6	1905.5	1912.3	1910.0	1928.3
5°	1857.5	1855.3	1855.3	1875.8	1896.3	1919.2	1939.7	1953.4	1976.2	1976.2	1999.0
7.5°	1873.5	1862.1	1878.1	1887.2	1926.0	1964.8	1999.0	2026.4	2078.9	2097.1	2090.3
10°	1878.1	1891.8	1903.2	1930.6	1978.5	2037.8	2067.5	2135.9	2195.3	2236.4	2245.5
12.5°	1907.7	1928.3	1960.2	2026.4	2069.8	2147.4	2188.4	2254.6	2336.8	2382.4	2414.3
15°	1964.8	1971.6	2012.7	2097.1	2190.7	2261.5	2325.3	2373.3	2453.1	2505.6	2507.9
17.5°	2037.8	2067.5	2124.5	2204.4	2302.5	2407.5	2457.7	2510.2	2539.9	2610.6	2626.6
20°	2183.9	2188.4	2243.2	2348.2	2471.4	2567.2	2603.8	2631.1	2619.7	2692.7	2706.4
22.5°	2320.8	2325.3	2393.8	2535.3	2667.6	2749.8	2765.8	2749.8	2715.6	2768.1	2772.6
25°	2460.0	2501.1	2551.3	2692.7	2857.1	2966.6	2968.9	2925.5	2854.8	2863.9	2886.7
27.5°	2676.8	2706.4	2758.9	2889.0	3069.3	3192.5	3172.0	3119.5	3028.2	3035.0	3028.2
30°	2930.1	2957.5	3000.8	3167.4	3299.8	3434.4	3464.1	3413.9	3276.9	3247.3	3281.5
32.5°	3235.9	3274.7	3354.5	3507.4	3619.2	3701.4	3721.9	3703.7	3575.9	3564.5	3587.3
35°	3607.8	3660.3	3733.3	3868.0	3959.3	4107.6	4107.6	4046.0	3929.6	3943.3	3941.0
37.5°	4000.3	4077.9	4192.0	4328.9	4452.2	4532.0	4506.9	4454.4	4338.1	4308.4	4338.1
40°	4493.2	4532.0	4675.8	4853.8	5004.4	5095.7	4988.4	4874.3	4595.9	4639.3	4719.2
42.5°	4942.8	5004.4	5113.9	5310.2	5481.3	5556.6	5428.9	5202.9	4867.5	4833.3	4892.6
45°	5326.2	5392.3	5536.1	5816.8	5997.1	6063.3	5780.3	5415.2	5031.8	4945.1	4970.2
47.5°	5581.8	5616.0	5816.8	6083.8	6248.1	6398.7	5992.5	5561.2	5109.4	4945.1	4935.9
50°	5483.6	5543.0	5778.0	6081.5	6380.4	6487.7	6099.8	5673.0	5134.5	4924.5	4897.2
52.5°	4869.8	4972.5	5234.9	5643.4	6095.2	6478.6	6248.1	5636.5	5125.4	4945.1	4986.2
55°	3388.8	3391.0	3710.5	4313.0	5111.7	6015.3	6031.3	5677.6	5184.7	5072.9	5075.1
57.5°	1362.3	1430.8	1675.0	2279.7	3016.8	4130.4	4910.8	5266.8	5191.5	5164.1	5234.9
60°	344.6	346.9	422.2	643.5	1061.1	1770.8	2571.8	3480.0	4007.2	4187.5	4212.6
62.5°	175.7	178.0	196.3	228.2	289.8	474.7	844.3	1339.5	1905.5	2193.0	2268.3
65°	143.8	143.8	155.2	171.1	173.4	182.6	219.1	312.6	454.1	515.7	522.6
67.5°	109.5	109.5	118.7	127.8	132.4	130.1	125.5	130.1	157.5	150.6	146.0
70°	68.5	70.7	75.3	84.4	89.0	91.3	93.6	98.1	111.8	116.4	111.8
72.5°	41.1	41.1	43.4	50.2	57.0	61.6	68.5	73.0	79.9	91.3	89.0
75°	18.3	18.3	22.8	29.7	36.5	43.4	50.2	57.0	61.6	68.5	70.7
77.5°	4.6	6.8	11.4	20.5	27.4	36.5	45.6	52.5	57.0	57.0	54.8
80°	2.3	2.3	9.1	16.0	29.7	38.8	50.2	54.8	61.6	57.0	50.2
82.5°	2.3	2.3	9.1	16.0	27.4	38.8	52.5	59.3	63.9	57.0	47.9
85°	0.0	2.3	6.8	13.7	22.8	27.4	22.8	16.0	9.1	9.1	6.8
87.5°	0.0	0.0	2.3	2.3	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)