

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: P528697

Luminaire Tested: **GALN-SA3D-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528697
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-SA3D-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1200mA 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: 14924 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

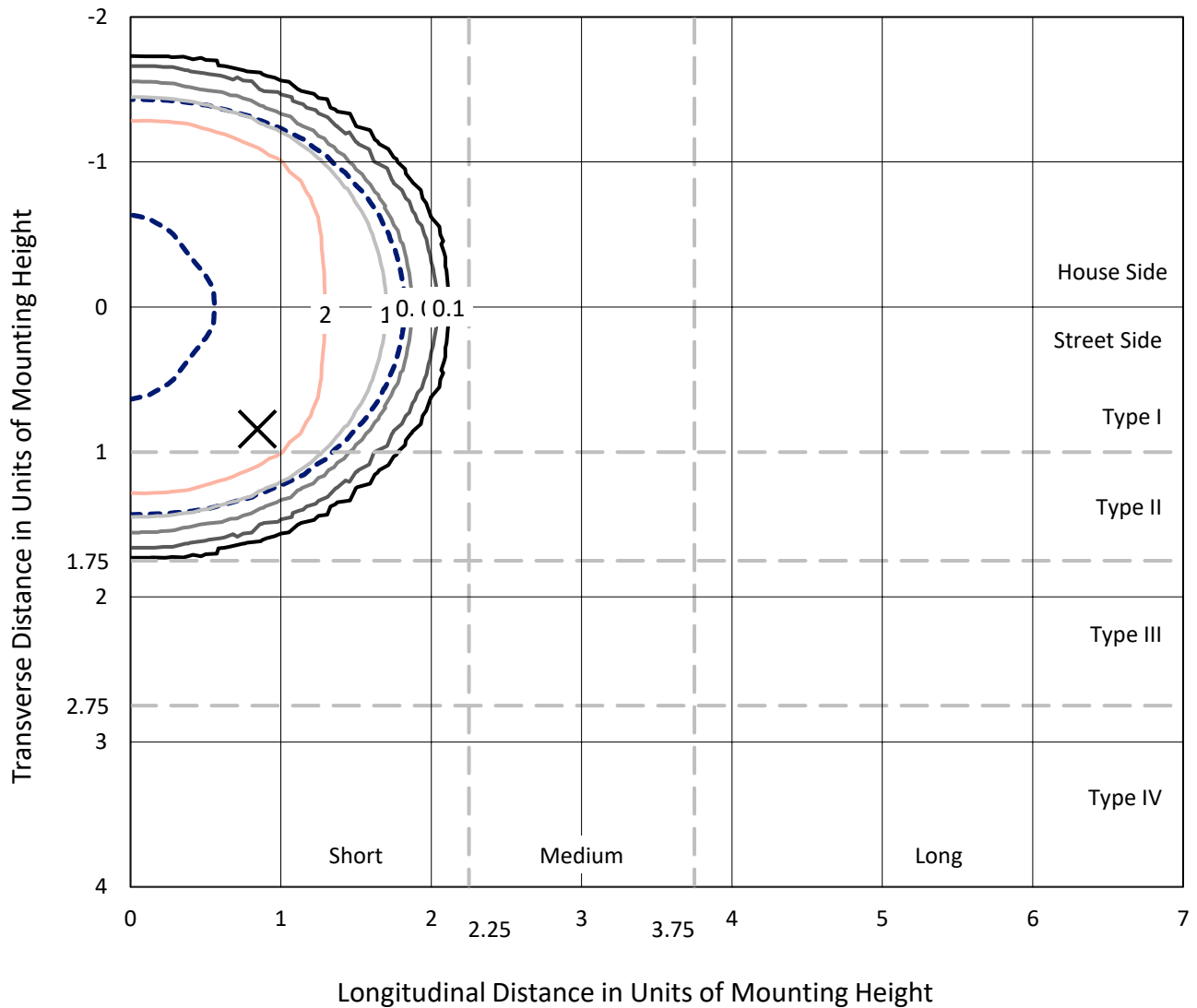
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

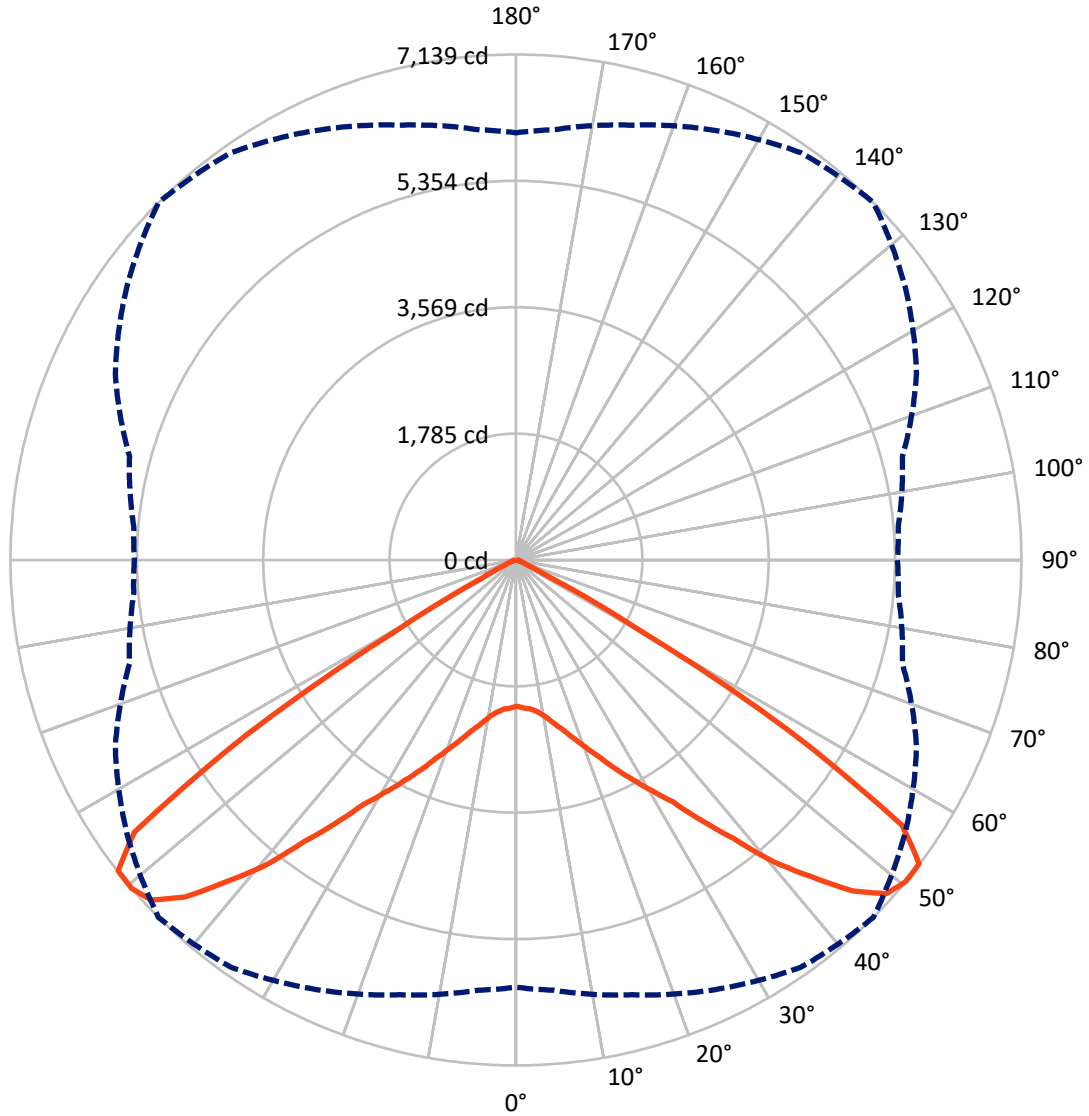
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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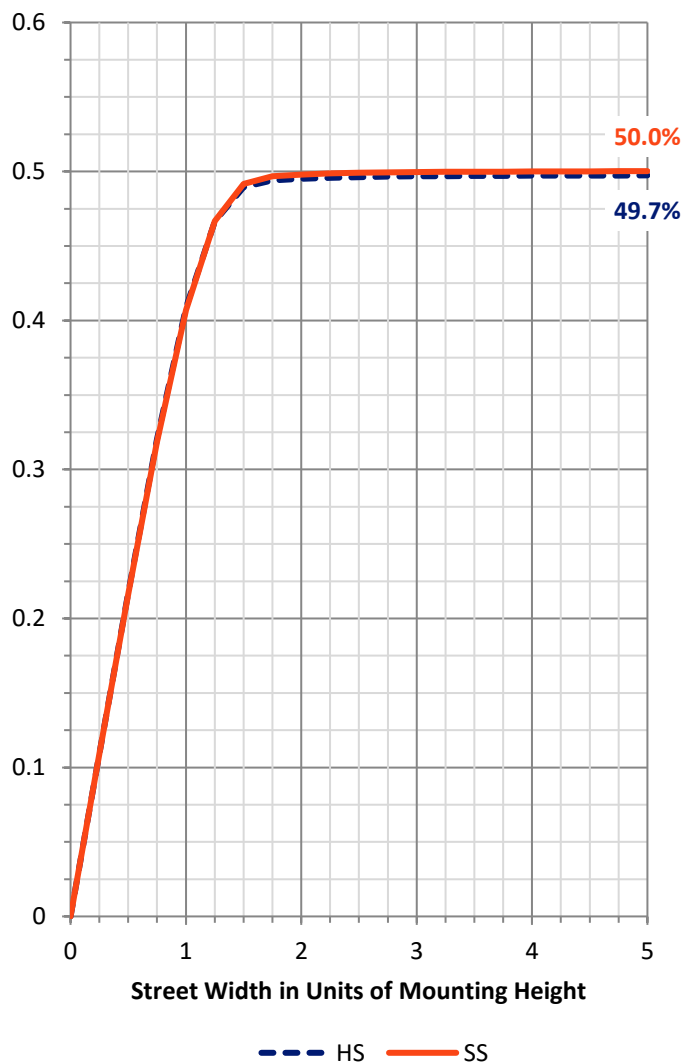
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7462.0	0.0	7462.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7462.0	0.0	7462.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14924.0	0.0	14924.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.8	1.4
10°-20°	709.4	4.8
20°-30°	1449.0	9.7
30°-40°	2763.2	18.5
40°-50°	4656.3	31.2
50°-60°	4440.6	29.8
60°-70°	619.9	4.2
70°-80°	59.3	0.4
80°-90°	20.5	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°	14924.0	100.0
0°-180°	14924.0	100.0

Coefficient of Utilization



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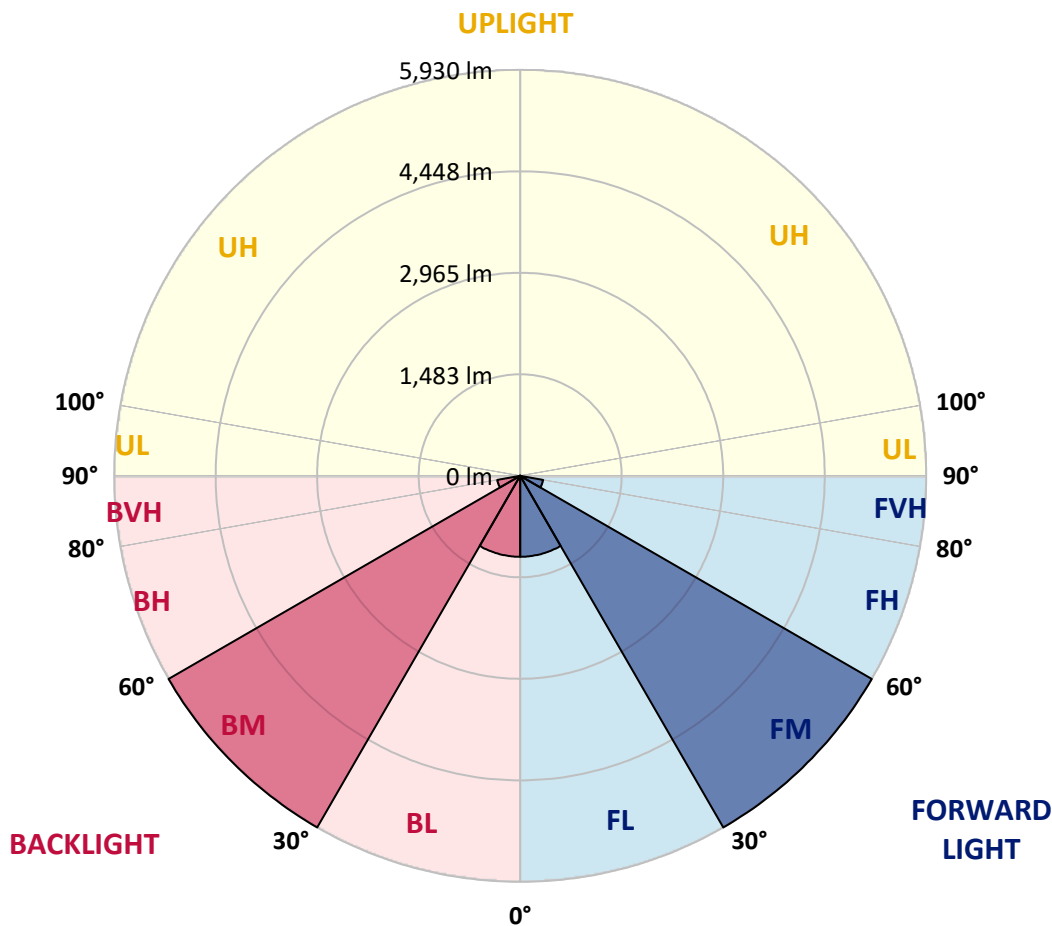
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1182.1	7.9			
FM (30°-60°)	5930.1	39.7			
FH (60°-80°)	339.6	2.3			G0/660
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	1182.1	7.9	B3/2500		
BM (30°-60°)	5930.1	39.7	B4/8500		
BH (60°-80°)	339.6	2.3	B1/500		G0/660
BVH (80°-90°)	10.2	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°	2069.0	2069.0	2069.0	2069.0	2069.0	2069.0	2069.0	2069.0	2069.0	2069.0	2069.0
2.5°	2061.5	2061.5	2059.0	2079.1	2069.0	2091.6	2089.1	2096.7	2104.2	2101.7	2121.8
5°	2043.9	2041.4	2041.4	2064.0	2086.6	2111.7	2134.3	2149.4	2174.5	2174.5	2199.6
7.5°	2061.5	2049.0	2066.5	2076.6	2119.3	2162.0	2199.6	2229.8	2287.5	2307.6	2300.1
10°	2066.5	2081.6	2094.2	2124.3	2177.0	2242.3	2274.9	2350.3	2415.6	2460.8	2470.8
12.5°	2099.2	2121.8	2156.9	2229.8	2277.5	2362.8	2408.0	2480.8	2571.2	2621.5	2656.6
15°	2162.0	2169.5	2214.7	2307.6	2410.5	2488.4	2558.7	2611.4	2699.3	2757.1	2759.6
17.5°	2242.3	2274.9	2337.7	2425.6	2533.6	2649.1	2704.3	2762.1	2794.7	2872.6	2890.1
20°	2403.0	2408.0	2468.3	2583.8	2719.4	2824.9	2865.0	2895.2	2882.6	2963.0	2978.0
22.5°	2553.7	2558.7	2634.0	2789.7	2935.3	3025.7	3043.3	3025.7	2988.1	3045.8	3050.8
25°	2706.8	2752.0	2807.3	2963.0	3143.7	3264.3	3266.8	3219.1	3141.2	3151.3	3176.4
27.5°	2945.4	2978.0	3035.8	3178.9	3377.3	3512.9	3490.3	3432.5	3332.1	3339.6	3332.1
30°	3224.1	3254.2	3301.9	3485.2	3630.9	3779.0	3811.7	3756.4	3605.8	3573.1	3610.8
32.5°	3560.6	3603.3	3691.1	3859.4	3982.4	4072.8	4095.4	4075.3	3934.7	3922.2	3947.3
35°	3969.9	4027.6	4108.0	4256.1	4356.6	4519.8	4519.8	4452.0	4323.9	4339.0	4336.5
37.5°	4401.7	4487.1	4612.7	4763.3	4898.9	4986.8	4959.2	4901.4	4773.4	4740.7	4773.4
40°	4944.1	4986.8	5145.0	5340.9	5506.6	5607.0	5489.0	5363.5	5057.1	5104.8	5192.7
42.5°	5438.8	5506.6	5627.1	5843.1	6031.4	6114.2	5973.6	5725.0	5355.9	5318.3	5383.5
45°	5860.6	5933.4	6091.6	6400.5	6598.9	6671.7	6360.3	5958.6	5536.7	5441.3	5468.9
47.5°	6141.9	6179.5	6400.5	6694.3	6875.1	7040.8	6593.8	6119.3	5622.1	5441.3	5431.3
50°	6033.9	6099.2	6357.8	6691.8	7020.7	7138.7	6711.9	6242.3	5649.7	5418.7	5388.6
52.5°	5358.4	5471.4	5760.2	6209.7	6706.8	7128.7	6875.1	6202.1	5639.7	5441.3	5486.5
55°	3728.8	3731.3	4082.9	4745.8	5624.6	6618.9	6636.5	6247.3	5704.9	5581.9	5584.4
57.5°	1499.1	1574.4	1843.1	2508.5	3319.5	4544.9	5403.6	5795.3	5712.5	5682.4	5760.2
60°	379.2	381.7	464.5	708.1	1167.6	1948.5	2829.9	3829.2	4409.3	4607.7	4635.3
62.5°	193.3	195.9	215.9	251.1	318.9	522.3	929.1	1473.9	2096.7	2413.1	2495.9
65°	158.2	158.2	170.7	188.3	190.8	200.9	241.1	344.0	499.7	567.5	575.0
67.5°	120.5	120.5	130.6	140.6	145.6	143.1	138.1	143.1	173.3	165.7	160.7
70°	75.3	77.8	82.9	92.9	97.9	100.4	103.0	108.0	123.0	128.1	123.0
72.5°	45.2	45.2	47.7	55.2	62.8	67.8	75.3	80.4	87.9	100.4	97.9
75°	20.1	20.1	25.1	32.6	40.2	47.7	55.2	62.8	67.8	75.3	77.8
77.5°	5.0	7.5	12.6	22.6	30.1	40.2	50.2	57.8	62.8	62.8	60.3
80°	2.5	2.5	10.0	17.6	32.6	42.7	55.2	60.3	67.8	62.8	55.2
82.5°	2.5	2.5	10.0	17.6	30.1	42.7	57.8	65.3	70.3	62.8	52.7
85°	0.0	2.5	7.5	15.1	25.1	30.1	25.1	17.6	10.0	10.0	7.5
87.5°	0.0	0.0	2.5	2.5	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)