

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: P651281

Luminaire Tested: **GALN-SA3D-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651281
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-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 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: 12551 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

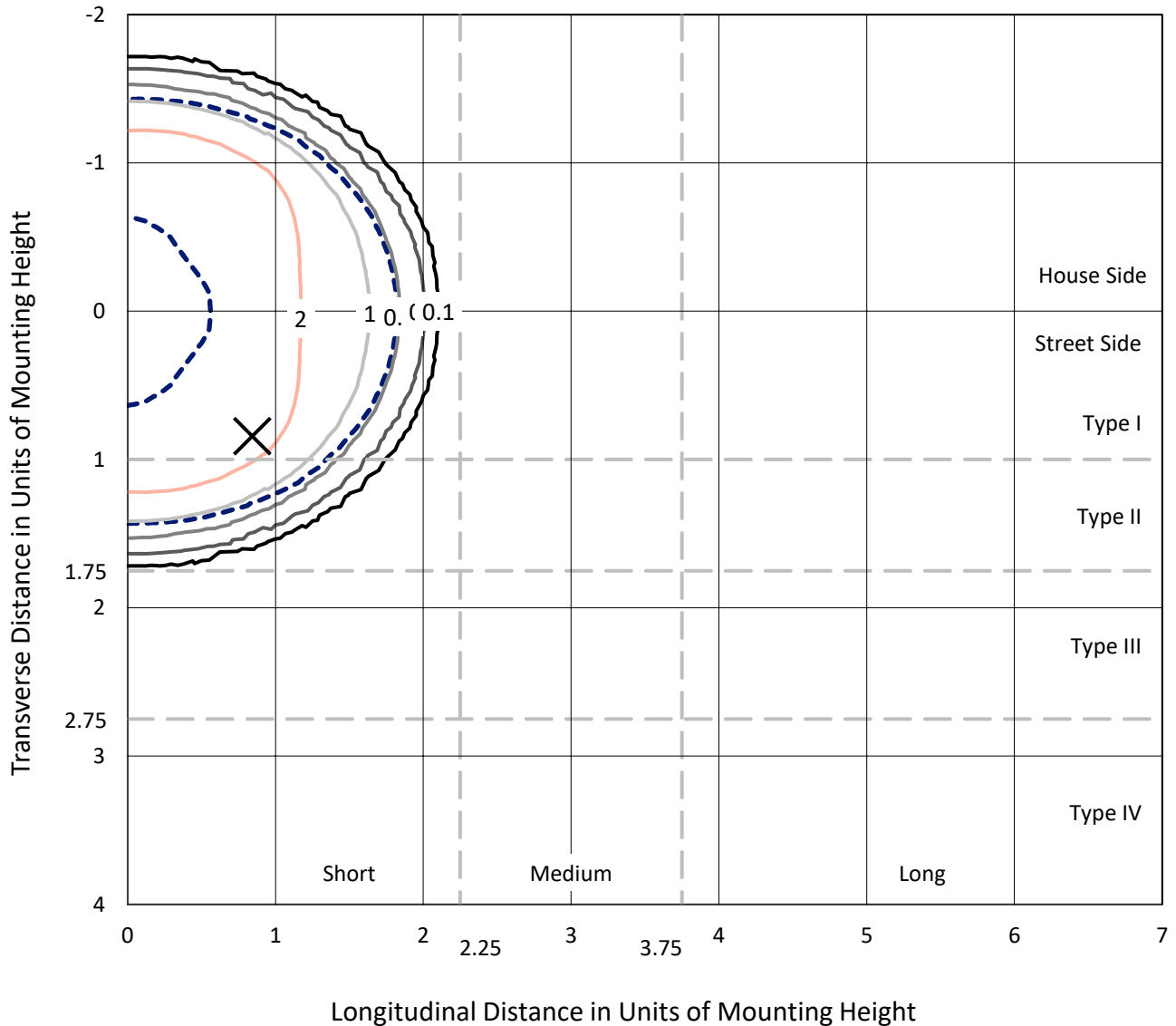
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

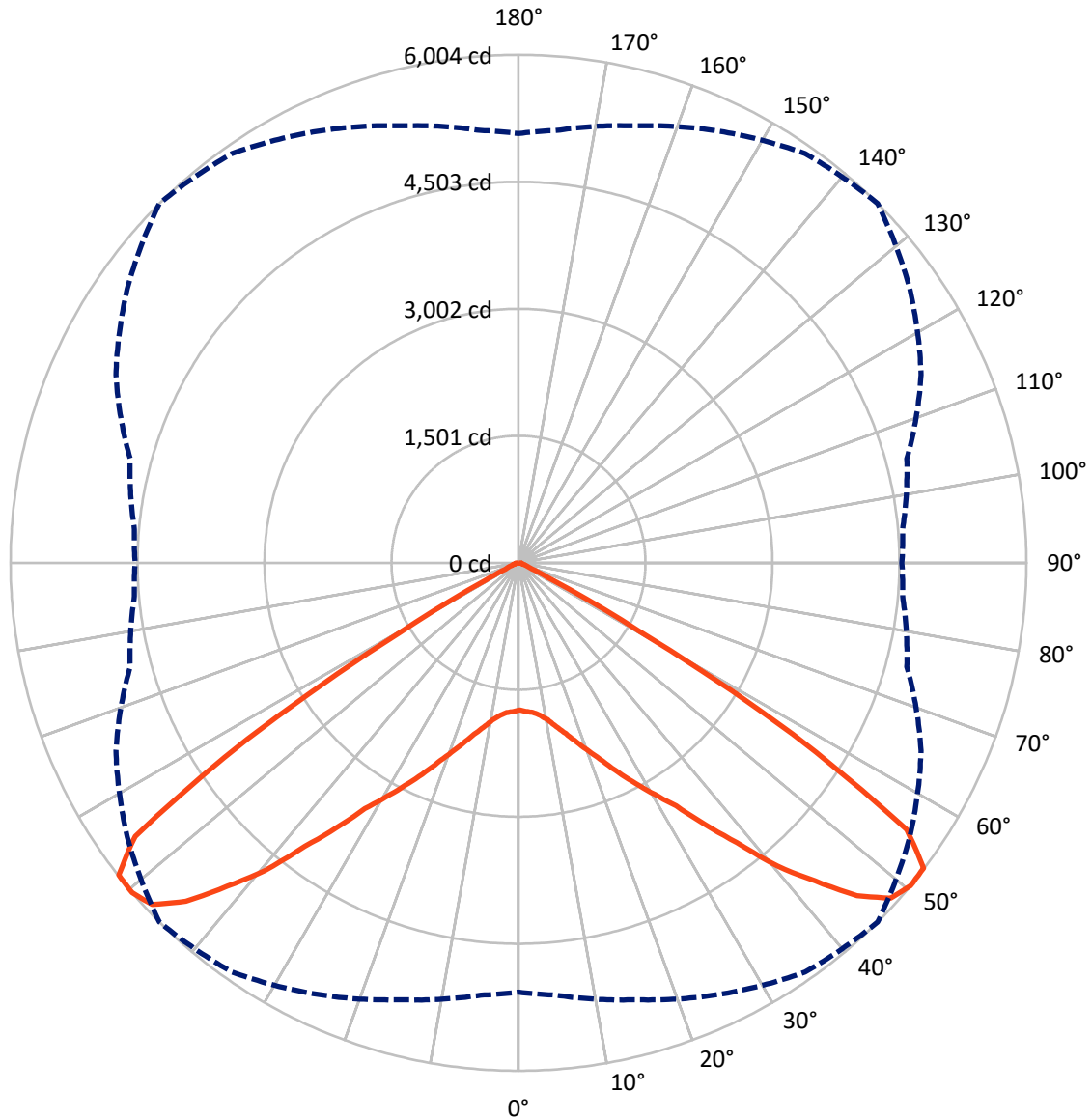
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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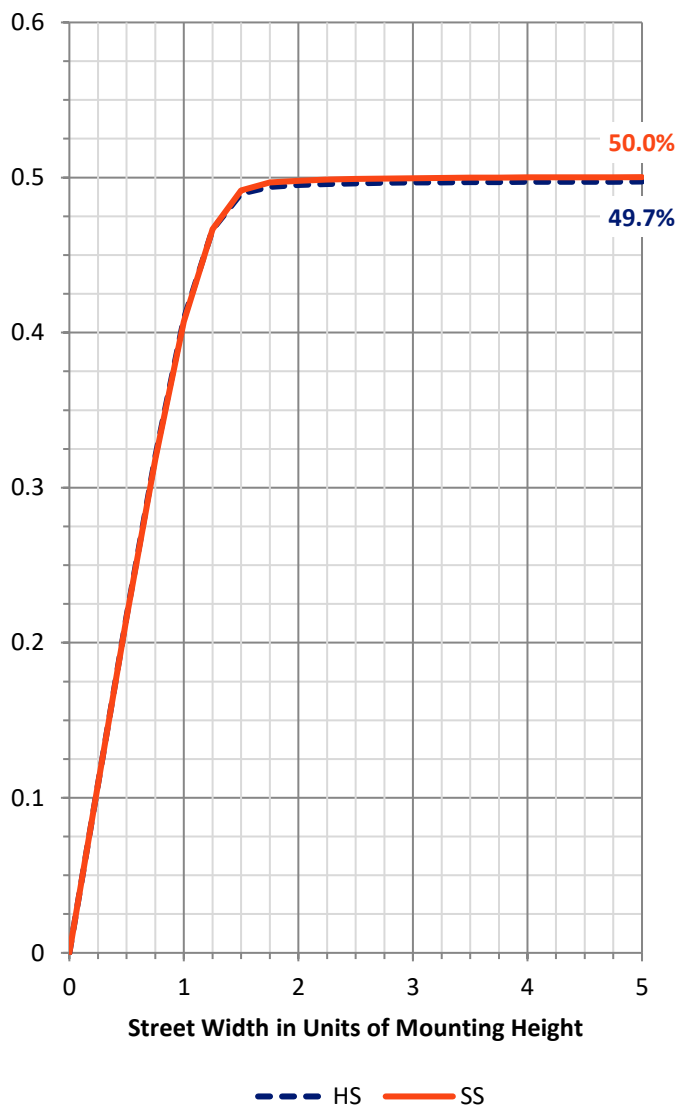
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6275.5	0.0	6275.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6275.5	0.0	6275.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12551.0	0.0	12551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.1	1.4
10°-20°	596.6	4.8
20°-30°	1218.6	9.7
30°-40°	2323.8	18.5
40°-50°	3916.0	31.2
50°-60°	3734.6	29.8
60°-70°	521.3	4.2
70°-80°	49.8	0.4
80°-90°	17.2	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°	12551.0	100.0
0°-180°	12551.0	100.0

Coefficient of Utilization

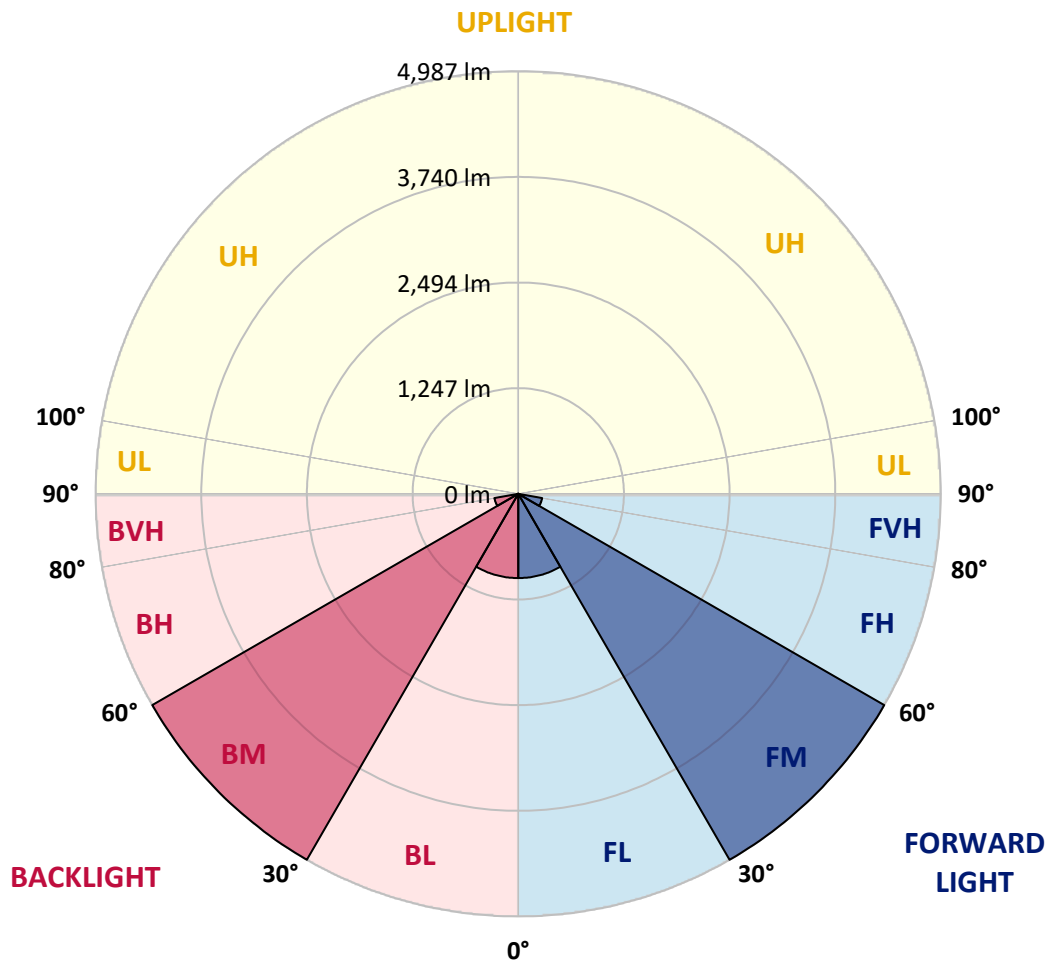


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	994.2	7.9			
FM (30°-60°)	4987.2	39.7			
FH (60°-80°)	285.6	2.3			G0/660
FVH (80°-90°)	8.6	0.1			G0/10
BL (0°-30°)	994.2	7.9	B2/1000		
BM (30°-60°)	4987.2	39.7	B3/5000		
BH (60°-80°)	285.6	2.3	B1/500		G0/660
BVH (80°-90°)	8.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1740.0	1740.0	1740.0	1740.0	1740.0	1740.0	1740.0	1740.0	1740.0	1740.0	1740.0
2.5°	1733.7	1733.7	1731.6	1748.5	1740.0	1759.0	1756.9	1763.3	1769.6	1767.5	1784.4
5°	1718.9	1716.8	1716.8	1735.8	1754.8	1775.9	1794.9	1807.6	1828.8	1828.8	1849.9
7.5°	1733.7	1723.2	1737.9	1746.4	1782.3	1818.2	1849.9	1875.3	1923.8	1940.7	1934.4
10°	1737.9	1750.6	1761.2	1786.5	1830.9	1885.8	1913.2	1976.6	2031.5	2069.5	2077.9
12.5°	1765.4	1784.4	1814.0	1875.3	1915.4	1987.1	2025.1	2086.4	2162.4	2204.7	2234.2
15°	1818.2	1824.5	1862.6	1940.7	2027.2	2092.7	2151.9	2196.2	2270.1	2318.7	2320.8
17.5°	1885.8	1913.2	1966.0	2039.9	2130.8	2227.9	2274.3	2322.9	2350.3	2415.9	2430.6
20°	2020.9	2025.1	2075.8	2173.0	2287.0	2375.7	2409.5	2434.9	2424.3	2491.9	2504.5
22.5°	2147.7	2151.9	2215.2	2346.1	2468.6	2544.6	2559.4	2544.6	2513.0	2561.5	2565.7
25°	2276.4	2314.4	2360.9	2491.9	2643.9	2745.3	2747.4	2707.3	2641.7	2650.2	2671.4
27.5°	2477.1	2504.5	2553.1	2673.5	2840.3	2954.3	2935.3	2886.7	2802.3	2808.6	2802.3
30°	2711.5	2736.8	2776.9	2931.1	3053.6	3178.1	3205.6	3159.1	3032.5	3005.0	3036.7
32.5°	2994.5	3030.4	3104.2	3245.8	3349.2	3425.2	3444.2	3427.3	3309.1	3298.6	3319.7
35°	3338.7	3387.2	3454.8	3579.4	3663.9	3801.2	3801.2	3744.1	3636.4	3649.1	3647.0
37.5°	3701.8	3773.7	3879.3	4005.9	4120.0	4193.9	4170.7	4122.1	4014.4	3986.9	4014.4
40°	4158.0	4193.9	4326.9	4491.7	4631.1	4715.5	4616.2	4510.7	4253.0	4293.1	4367.1
42.5°	4574.0	4631.1	4732.4	4914.0	5072.4	5142.0	5023.8	4814.7	4504.3	4472.7	4527.5
45°	4928.8	4990.0	5123.0	5382.8	5549.7	5610.9	5349.0	5011.2	4656.4	4576.1	4599.3
47.5°	5165.3	5197.0	5382.8	5629.9	5782.0	5921.3	5545.4	5146.3	4728.2	4576.1	4567.7
50°	5074.5	5129.4	5346.9	5627.8	5904.4	6003.6	5644.7	5249.8	4751.4	4557.1	4531.8
52.5°	4506.4	4601.4	4844.3	5222.4	5640.4	5995.2	5782.0	5216.0	4743.0	4576.1	4614.1
55°	3135.9	3138.0	3433.7	3991.2	4730.3	5566.5	5581.3	5254.0	4797.8	4694.4	4696.5
57.5°	1260.7	1324.1	1550.0	2109.6	2791.7	3822.3	4544.4	4873.8	4804.2	4778.9	4844.3
60°	318.9	321.0	390.6	595.5	982.0	1638.7	2379.9	3220.4	3708.2	3875.1	3898.3
62.5°	162.6	164.8	181.6	211.2	268.2	439.3	781.4	1239.5	1763.3	2029.4	2099.1
65°	133.0	133.0	143.6	158.4	160.5	169.0	202.8	289.3	420.2	477.3	483.6
67.5°	101.3	101.3	109.8	118.2	122.4	120.3	116.1	120.3	145.7	139.4	135.1
70°	63.3	65.4	69.7	78.1	82.3	84.4	86.6	90.8	103.4	107.7	103.4
72.5°	38.0	38.0	40.1	46.4	52.8	57.0	63.3	67.6	73.9	84.4	82.3
75°	16.9	16.9	21.1	27.4	33.8	40.1	46.4	52.8	57.0	63.3	65.4
77.5°	4.2	6.3	10.6	19.0	25.3	33.8	42.2	48.6	52.8	52.8	50.7
80°	2.1	2.1	8.4	14.8	27.4	35.9	46.4	50.7	57.0	52.8	46.4
82.5°	2.1	2.1	8.4	14.8	25.3	35.9	48.6	54.9	59.1	52.8	44.3
85°	0.0	2.1	6.3	12.7	21.1	25.3	21.1	14.8	8.4	8.4	6.3
87.5°	0.0	0.0	2.1	2.1	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)