

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: P528593

Luminaire Tested: **GALN-SA3D-722-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528593
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-722-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2200K, 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: 10971 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

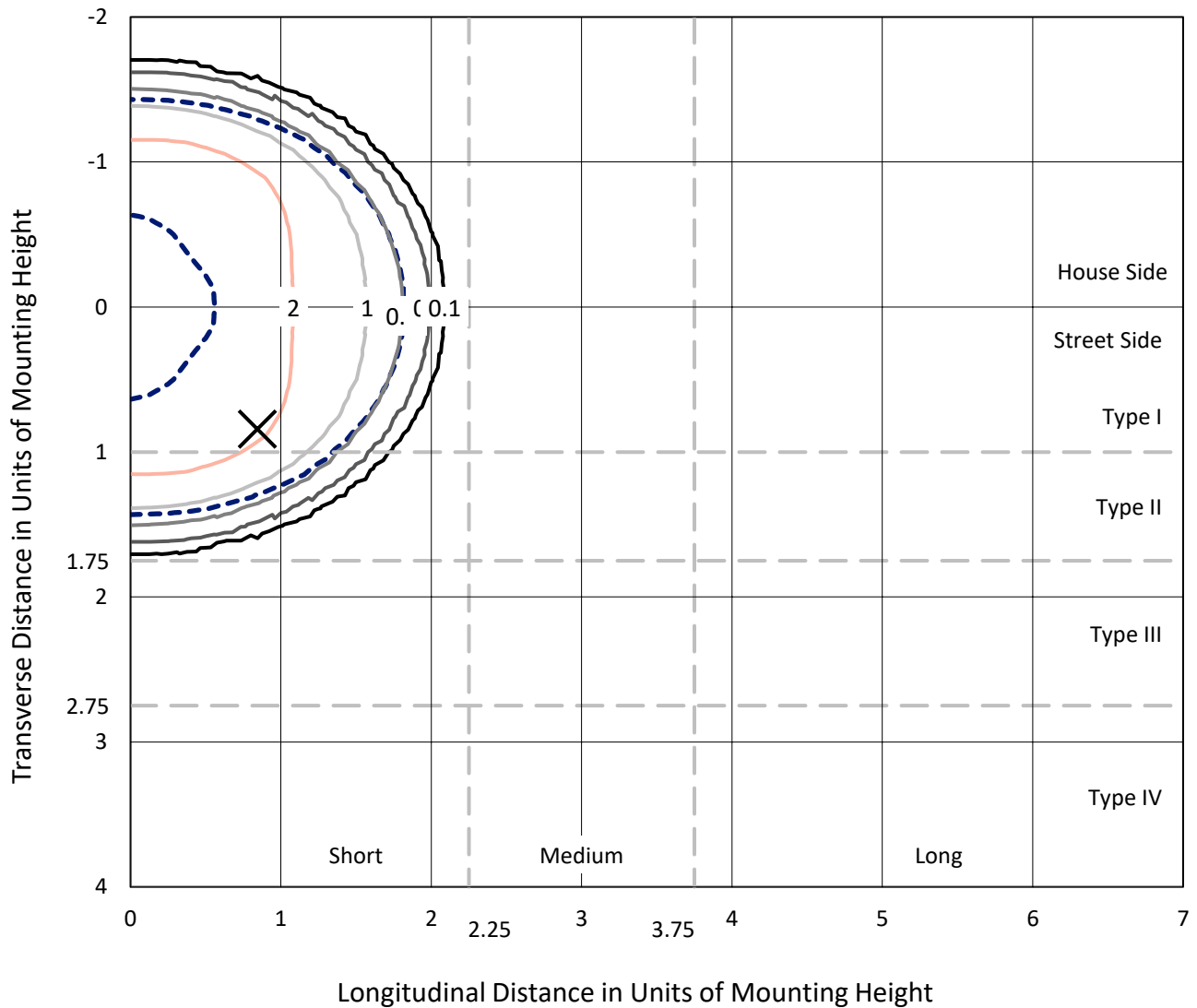
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

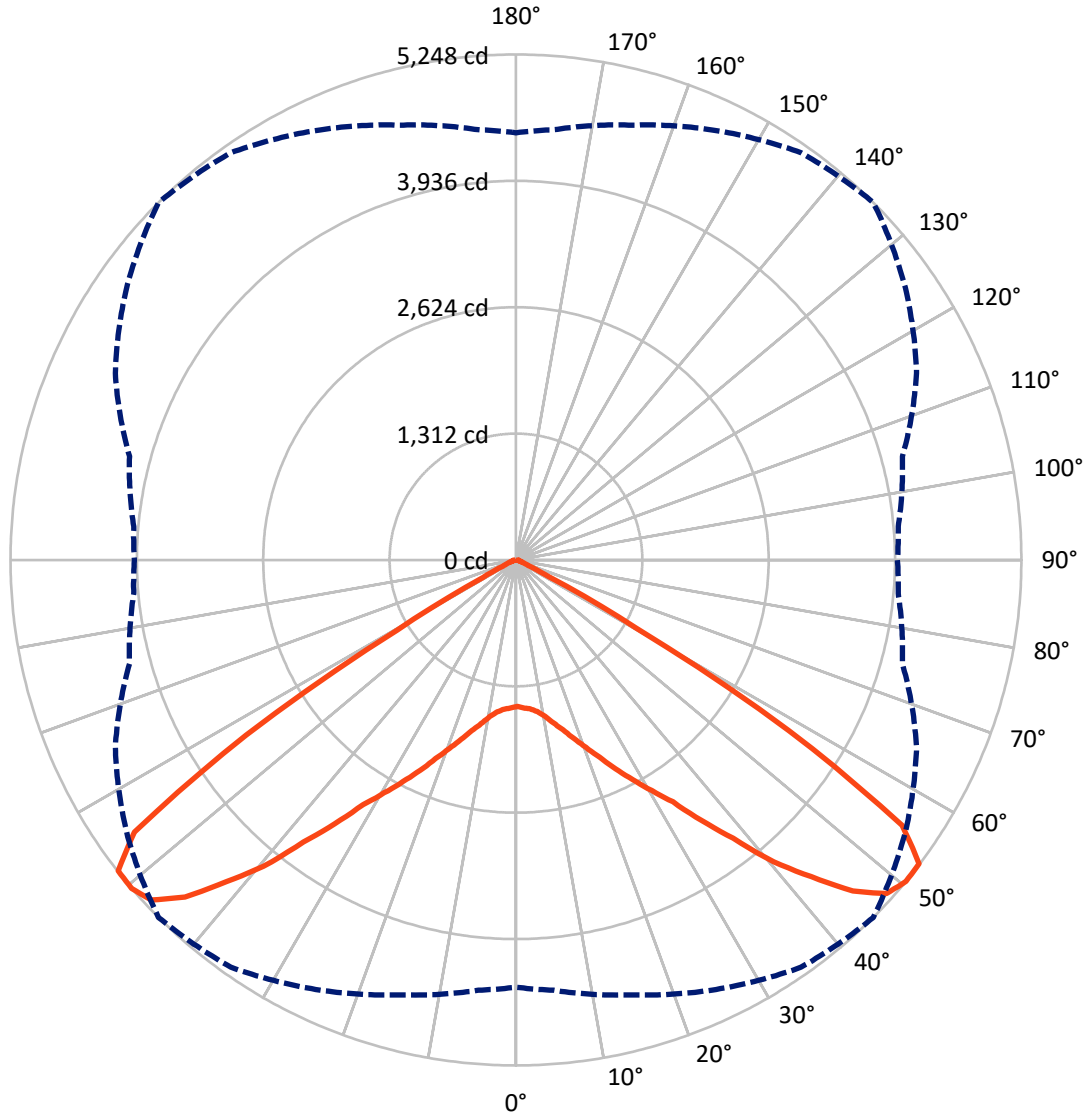
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	5485.5	0.0	5485.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5485.5	0.0	5485.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10971.0	0.0	10971.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.3	1.4
10°-20°	521.5	4.8
20°-30°	1065.2	9.7
30°-40°	2031.3	18.5
40°-50°	3423.0	31.2
50°-60°	3264.4	29.8
60°-70°	455.7	4.2
70°-80°	43.6	0.4
80°-90°	15.1	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°	10971.0	100.0
0°-180°	10971.0	100.0

Coefficient of Utilization



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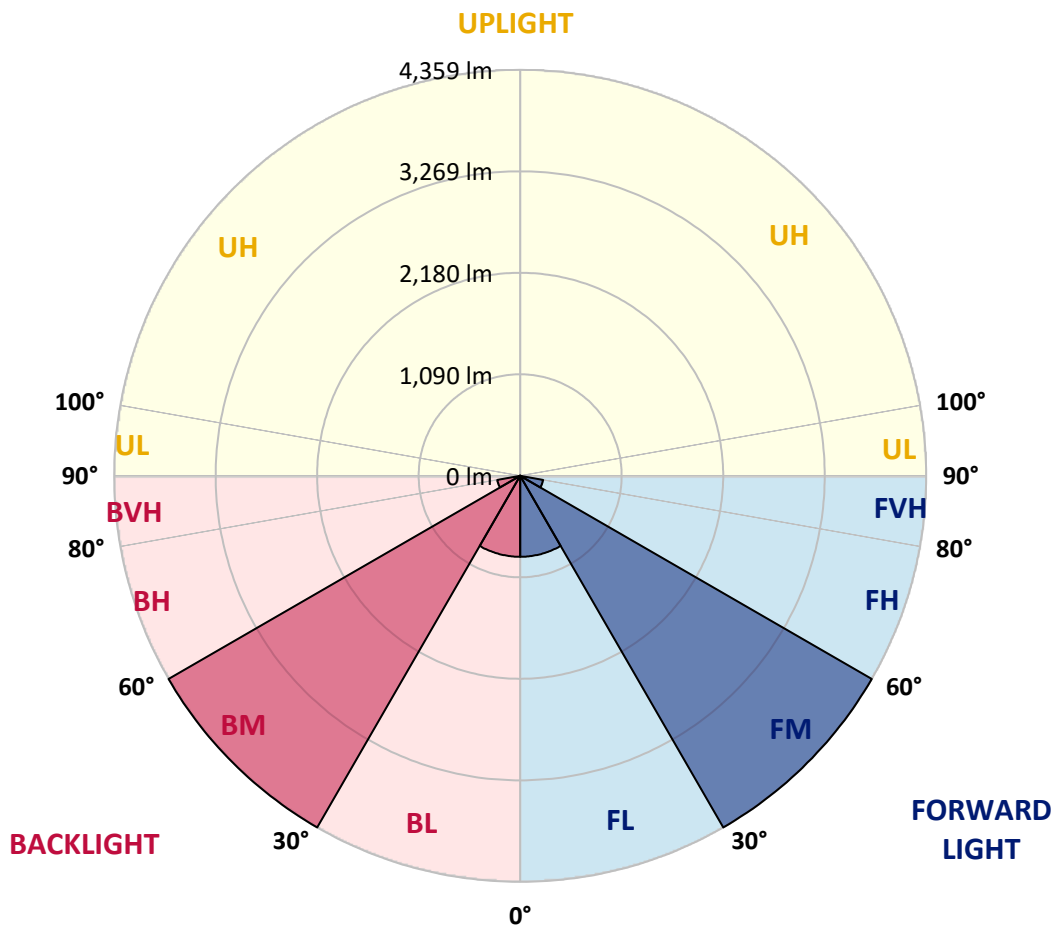
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	869.0	7.9			
FM (30°-60°)	4359.3	39.7			
FH (60°-80°)	249.6	2.3			G0/660
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	869.0	7.9	B2/1000		
BM (30°-60°)	4359.3	39.7	B3/5000		
BH (60°-80°)	249.6	2.3	B1/500		G0/660
BVH (80°-90°)	7.5	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°	1521.0	1521.0	1521.0	1521.0	1521.0	1521.0	1521.0	1521.0	1521.0	1521.0	1521.0
2.5°	1515.5	1515.5	1513.6	1528.4	1521.0	1537.6	1535.8	1541.3	1546.9	1545.0	1559.8
5°	1502.5	1500.7	1500.7	1517.3	1533.9	1552.4	1569.0	1580.1	1598.5	1598.5	1617.0
7.5°	1515.5	1506.2	1519.2	1526.5	1557.9	1589.3	1617.0	1639.1	1681.6	1696.4	1690.8
10°	1519.2	1530.2	1539.5	1561.6	1600.4	1648.4	1672.4	1727.7	1775.7	1809.0	1816.3
12.5°	1543.2	1559.8	1585.6	1639.1	1674.2	1737.0	1770.2	1823.7	1890.2	1927.1	1952.9
15°	1589.3	1594.8	1628.1	1696.4	1772.0	1829.3	1881.0	1919.7	1984.3	2026.8	2028.6
17.5°	1648.4	1672.4	1718.5	1783.1	1862.5	1947.4	1988.0	2030.5	2054.5	2111.7	2124.6
20°	1766.5	1770.2	1814.5	1899.4	1999.1	2076.6	2106.2	2128.3	2119.1	2178.1	2189.2
22.5°	1877.3	1881.0	1936.3	2050.8	2157.8	2224.3	2237.2	2224.3	2196.6	2239.1	2242.7
25°	1989.9	2023.1	2063.7	2178.1	2311.0	2399.6	2401.5	2366.4	2309.2	2316.6	2335.0
27.5°	2165.2	2189.2	2231.7	2336.9	2482.7	2582.4	2565.8	2523.3	2449.5	2455.0	2449.5
30°	2370.1	2392.3	2427.3	2562.1	2669.1	2778.1	2802.1	2761.4	2650.7	2626.7	2654.4
32.5°	2617.5	2648.8	2713.4	2837.1	2927.6	2994.0	3010.6	2995.9	2892.5	2883.3	2901.7
35°	2918.3	2960.8	3019.9	3128.8	3202.6	3322.6	3322.6	3272.8	3178.6	3189.7	3187.8
37.5°	3235.8	3298.6	3390.9	3501.6	3601.3	3665.9	3645.6	3603.2	3509.0	3485.0	3509.0
40°	3634.5	3665.9	3782.2	3926.2	4048.0	4121.9	4035.1	3942.8	3717.6	3752.7	3817.3
42.5°	3998.2	4048.0	4136.6	4295.4	4433.8	4494.7	4391.4	4208.6	3937.3	3909.6	3957.6
45°	4308.3	4361.8	4478.1	4705.2	4851.0	4904.5	4675.6	4380.3	4070.2	4000.0	4020.3
47.5°	4515.0	4542.7	4705.2	4921.1	5054.0	5175.9	4847.3	4498.4	4132.9	4000.0	3992.6
50°	4435.7	4483.7	4673.8	4919.3	5161.1	5247.8	4934.0	4588.9	4153.2	3983.4	3961.3
52.5°	3939.1	4022.2	4234.5	4564.9	4930.4	5240.5	5054.0	4559.3	4145.9	4000.0	4033.3
55°	2741.1	2743.0	3001.4	3488.7	4134.8	4865.8	4878.7	4592.6	4193.8	4103.4	4105.2
57.5°	1102.0	1157.4	1354.9	1844.0	2440.3	3341.1	3972.3	4260.3	4199.4	4177.2	4234.5
60°	278.7	280.6	341.5	520.5	858.3	1432.4	2080.3	2815.0	3241.4	3387.2	3407.5
62.5°	142.1	144.0	158.7	184.6	234.4	383.9	683.0	1083.5	1541.3	1773.9	1834.8
65°	116.3	116.3	125.5	138.4	140.3	147.7	177.2	252.9	367.3	417.2	422.7
67.5°	88.6	88.6	96.0	103.4	107.1	105.2	101.5	105.2	127.4	121.8	118.1
70°	55.4	57.2	60.9	68.3	72.0	73.8	75.7	79.4	90.4	94.1	90.4
72.5°	33.2	33.2	35.1	40.6	46.1	49.8	55.4	59.1	64.6	73.8	72.0
75°	14.8	14.8	18.5	24.0	29.5	35.1	40.6	46.1	49.8	55.4	57.2
77.5°	3.7	5.5	9.2	16.6	22.2	29.5	36.9	42.5	46.1	46.1	44.3
80°	1.8	1.8	7.4	12.9	24.0	31.4	40.6	44.3	49.8	46.1	40.6
82.5°	1.8	1.8	7.4	12.9	22.2	31.4	42.5	48.0	51.7	46.1	38.8
85°	0.0	1.8	5.5	11.1	18.5	22.2	18.5	12.9	7.4	7.4	5.5
87.5°	0.0	0.0	1.8	1.8	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)