

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: P533715

Luminaire Tested: **GALN-SA9A-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533715
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-SA9A-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 615mA 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: 21290 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

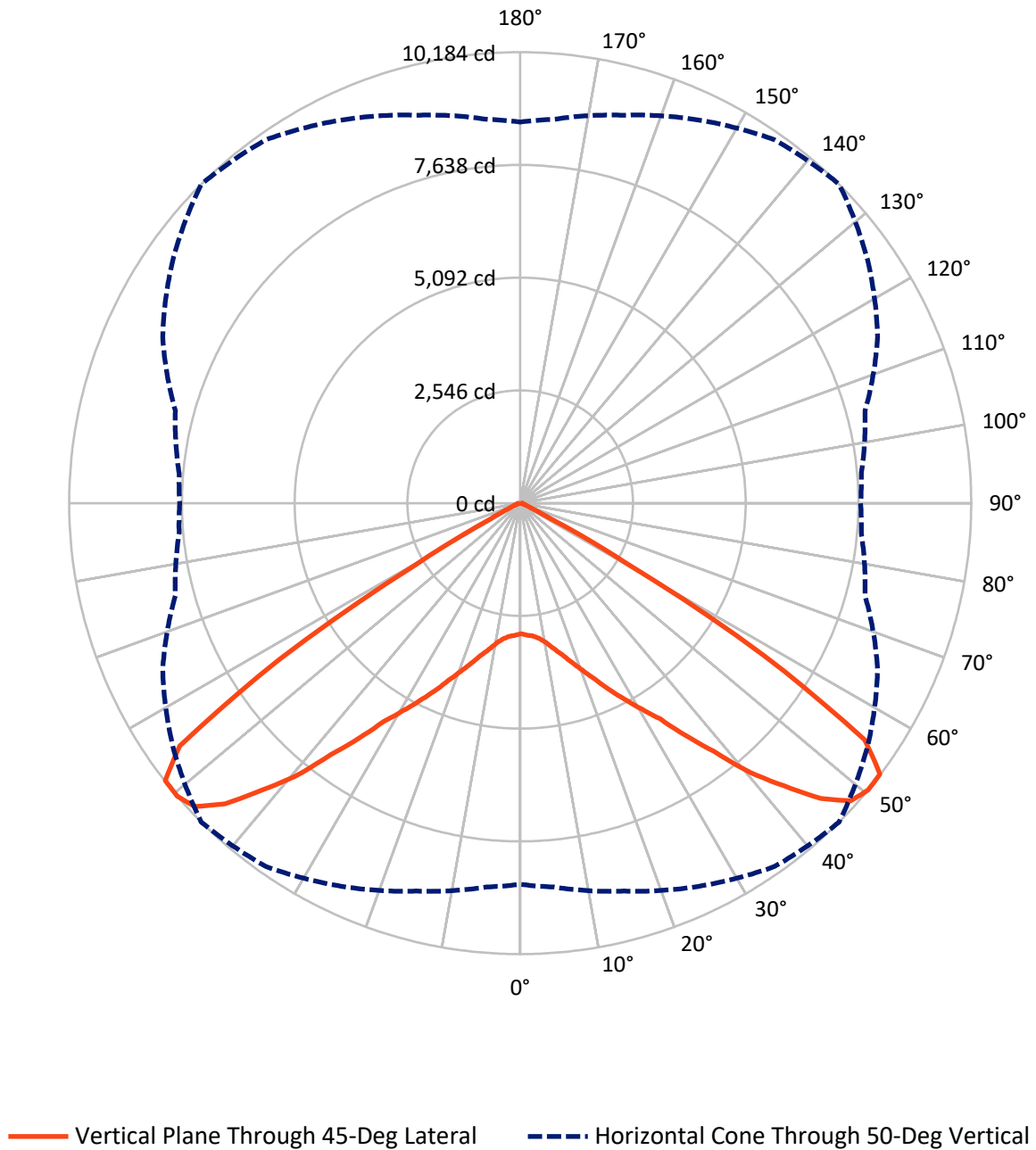
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10645.0	0.0	10645.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10645.0	0.0	10645.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21290.0	0.0	21290.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.6	1.4
10°-20°	1012.1	4.8
20°-30°	2067.0	9.7
30°-40°	3941.8	18.5
40°-50°	6642.5	31.2
50°-60°	6334.8	29.8
60°-70°	884.3	4.2
70°-80°	84.6	0.4
80°-90°	29.2	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°	21290.0	100.0
0°-180°	21290.0	100.0

Coefficient of Utilization



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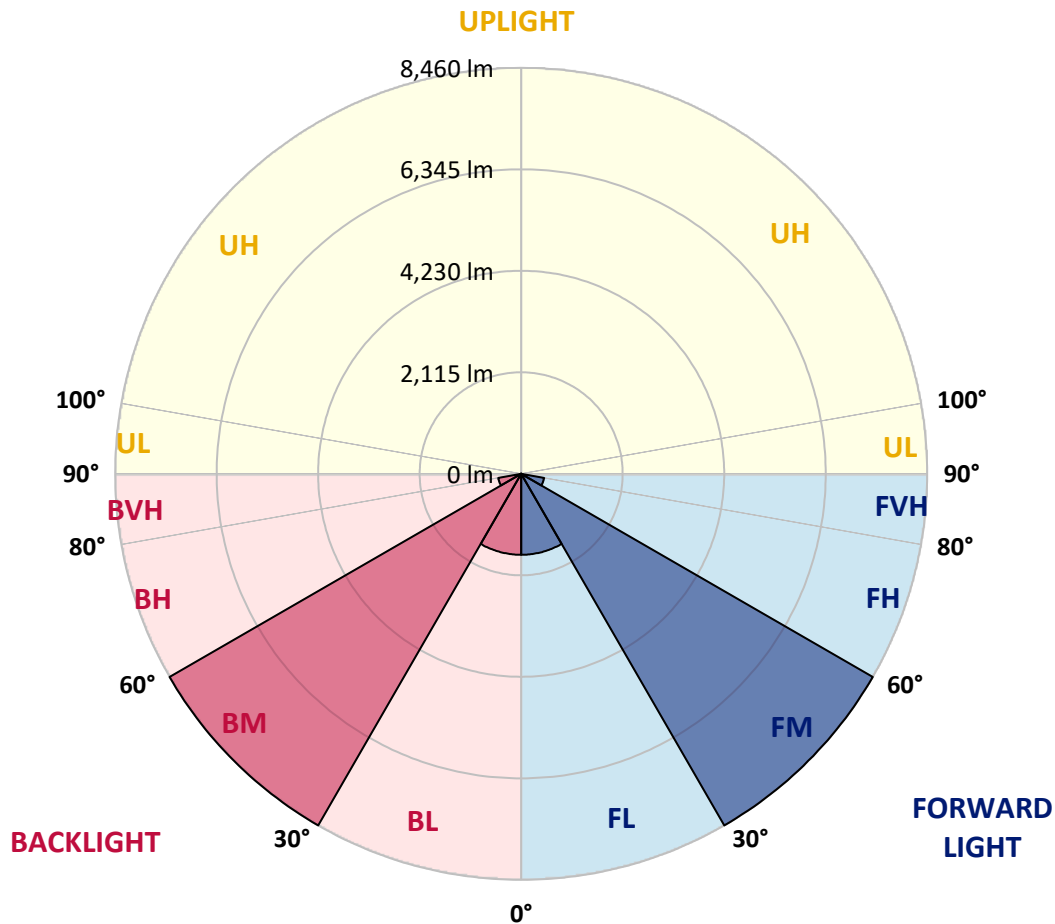
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1686.4	7.9			
FM	(30°-60°)	8459.6	39.7			
FH	(60°-80°)	484.4	2.3			G0/660
FVH	(80°-90°)	14.6	0.1			G1/100
BL	(0°-30°)	1686.4	7.9	B3/2500		
BM	(30°-60°)	8459.6	39.7	B4/8500		
BH	(60°-80°)	484.4	2.3	B1/500		G0/660
BVH	(80°-90°)	14.6	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°	2951.6	2951.6	2951.6	2951.6	2951.6	2951.6	2951.6	2951.6	2951.6	2951.6	2951.6
2.5°	2940.9	2940.9	2937.3	2966.0	2951.6	2983.9	2980.3	2991.0	3001.8	2998.2	3026.8
5°	2915.8	2912.2	2912.2	2944.5	2976.7	3012.5	3044.8	3066.3	3102.1	3102.1	3137.9
7.5°	2940.9	2923.0	2948.0	2962.4	3023.3	3084.2	3137.9	3180.9	3263.3	3291.9	3281.2
10°	2948.0	2969.5	2987.4	3030.4	3105.7	3198.8	3245.4	3352.8	3445.9	3510.4	3524.8
12.5°	2994.6	3026.8	3077.0	3180.9	3248.9	3370.7	3435.2	3539.1	3668.0	3739.7	3789.8
15°	3084.2	3094.9	3159.4	3291.9	3438.8	3549.8	3650.1	3725.4	3850.7	3933.1	3936.7
17.5°	3198.8	3245.4	3334.9	3460.3	3614.3	3779.1	3857.9	3940.3	3986.8	4097.9	4123.0
20°	3428.0	3435.2	3521.2	3685.9	3879.4	4029.8	4087.1	4130.1	4112.2	4226.8	4248.3
22.5°	3643.0	3650.1	3757.6	3979.7	4187.4	4316.4	4341.5	4316.4	4262.7	4345.0	4352.2
25°	3861.5	3925.9	4004.8	4226.8	4484.7	4656.7	4660.3	4592.2	4481.2	4495.5	4531.3
27.5°	4201.8	4248.3	4330.7	4534.9	4817.9	5011.3	4979.1	4896.7	4753.4	4764.2	4753.4
30°	4599.4	4642.4	4710.4	4971.9	5179.7	5391.0	5437.6	5358.8	5143.9	5097.3	5151.0
32.5°	5079.4	5140.3	5265.6	5505.6	5681.2	5810.1	5842.4	5813.7	5613.1	5595.2	5631.0
35°	5663.2	5745.6	5860.3	6071.6	6214.9	6447.7	6447.7	6351.0	6168.3	6189.8	6186.2
37.5°	6279.4	6401.2	6580.3	6795.2	6988.6	7114.0	7074.6	6992.2	6809.5	6762.9	6809.5
40°	7053.1	7114.0	7339.7	7619.1	7855.5	7998.8	7830.4	7651.3	7214.3	7282.3	7407.7
42.5°	7758.8	7855.5	8027.4	8335.5	8604.1	8722.3	8521.7	8167.1	7640.6	7586.8	7680.0
45°	8360.5	8464.4	8690.1	9130.7	9413.7	9517.6	9073.4	8500.2	7898.5	7762.3	7801.7
47.5°	8761.7	8815.5	9130.7	9549.8	9807.7	10044.1	9406.5	8729.5	8020.3	7762.3	7748.0
50°	8607.7	8700.8	9069.8	9546.2	10015.5	10183.8	9574.9	8905.0	8059.7	7730.1	7687.1
52.5°	7644.1	7805.3	8217.3	8858.5	9567.7	10169.5	9807.7	8847.7	8045.3	7762.3	7826.8
55°	5319.4	5323.0	5824.4	6770.1	8023.8	9442.3	9467.4	8912.2	8138.5	7962.9	7966.5
57.5°	2138.5	2246.0	2629.2	3578.5	4735.5	6483.5	7708.6	8267.4	8149.2	8106.2	8217.3
60°	540.9	544.5	662.7	1010.1	1665.7	2779.7	4037.0	5462.7	6290.1	6573.1	6612.5
62.5°	275.8	279.4	308.1	358.2	454.9	745.1	1325.4	2102.7	2991.0	3442.4	3560.6
65°	225.7	225.7	243.6	268.7	272.2	286.6	343.9	490.7	712.8	809.5	820.3
67.5°	171.9	171.9	186.3	200.6	207.8	204.2	197.0	204.2	247.2	236.4	229.3
70°	107.5	111.0	118.2	132.5	139.7	143.3	146.9	154.0	175.5	182.7	175.5
72.5°	64.5	64.5	68.1	78.8	89.6	96.7	107.5	114.6	125.4	143.3	139.7
75°	28.7	28.7	35.8	46.6	57.3	68.1	78.8	89.6	96.7	107.5	111.0
77.5°	7.2	10.7	17.9	32.2	43.0	57.3	71.6	82.4	89.6	89.6	86.0
80°	3.6	3.6	14.3	25.1	46.6	60.9	78.8	86.0	96.7	89.6	78.8
82.5°	3.6	3.6	14.3	25.1	43.0	60.9	82.4	93.1	100.3	89.6	75.2
85°	0.0	3.6	10.7	21.5	35.8	43.0	35.8	25.1	14.3	14.3	10.7
87.5°	0.0	0.0	3.6	3.6	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)