

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: P533949

Luminaire Tested: **GALN-SA9B-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533949
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-SA9B-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 800mA 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: 26490 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 364
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



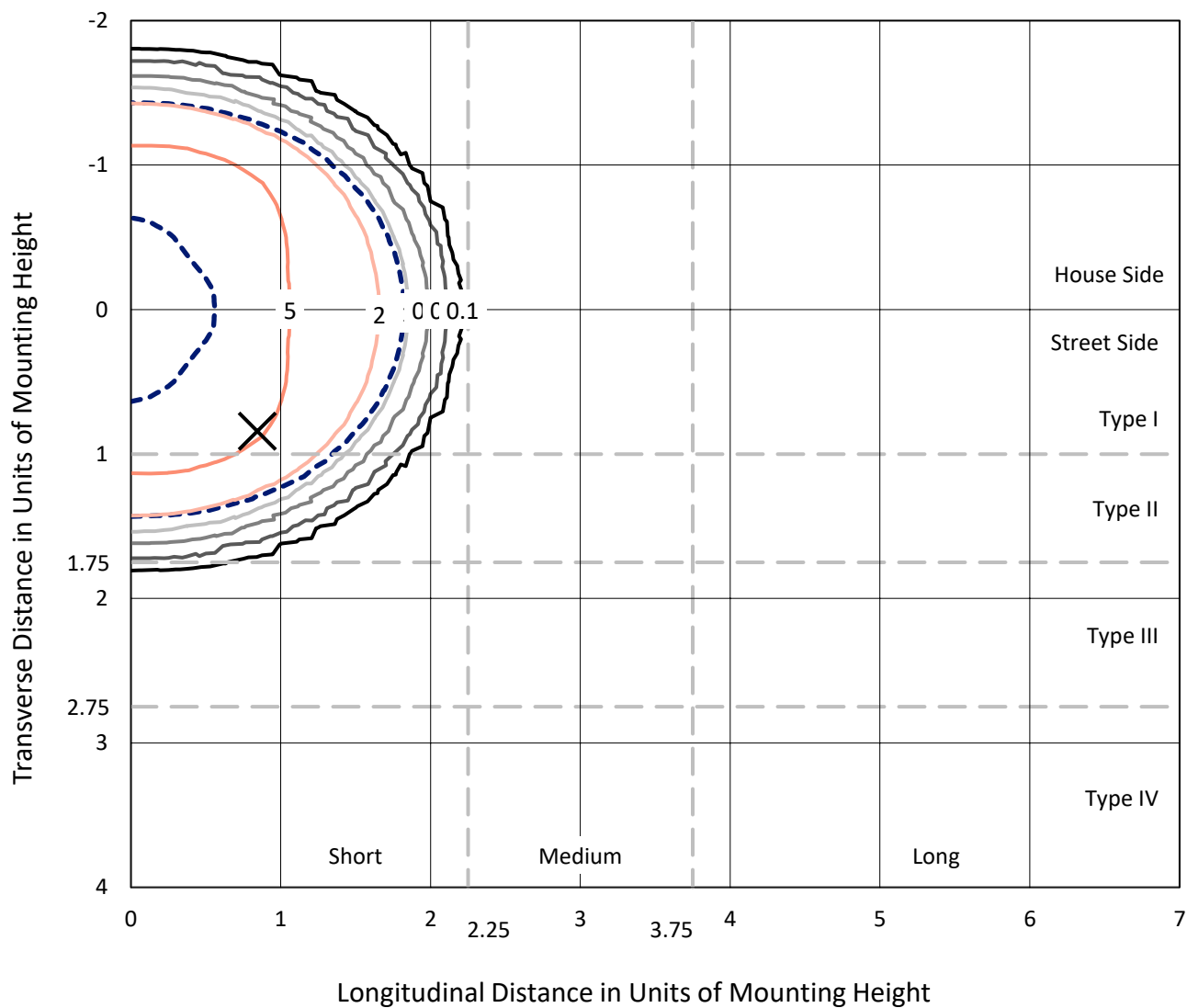
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

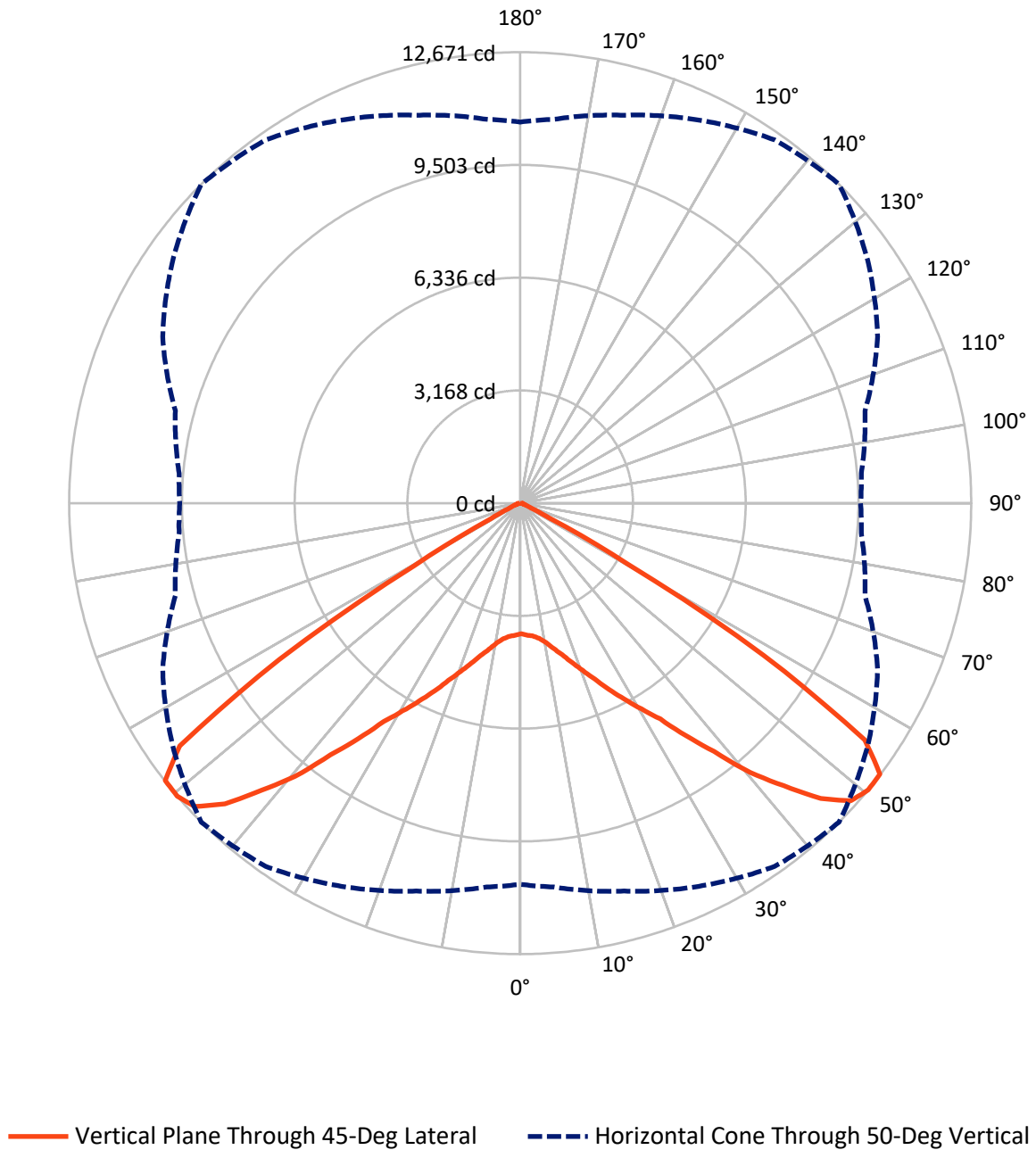


Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13245.0	0.0	13245.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13245.0	0.0	13245.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26490.0	0.0	26490.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.4	1.4
10°-20°	1259.2	4.8
20°-30°	2571.9	9.7
30°-40°	4904.6	18.5
40°-50°	8264.9	31.2
50°-60°	7882.1	29.8
60°-70°	1100.3	4.2
70°-80°	105.2	0.4
80°-90°	36.4	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°	26490.0	100.0
0°-180°	26490.0	100.0

Coefficient of Utilization



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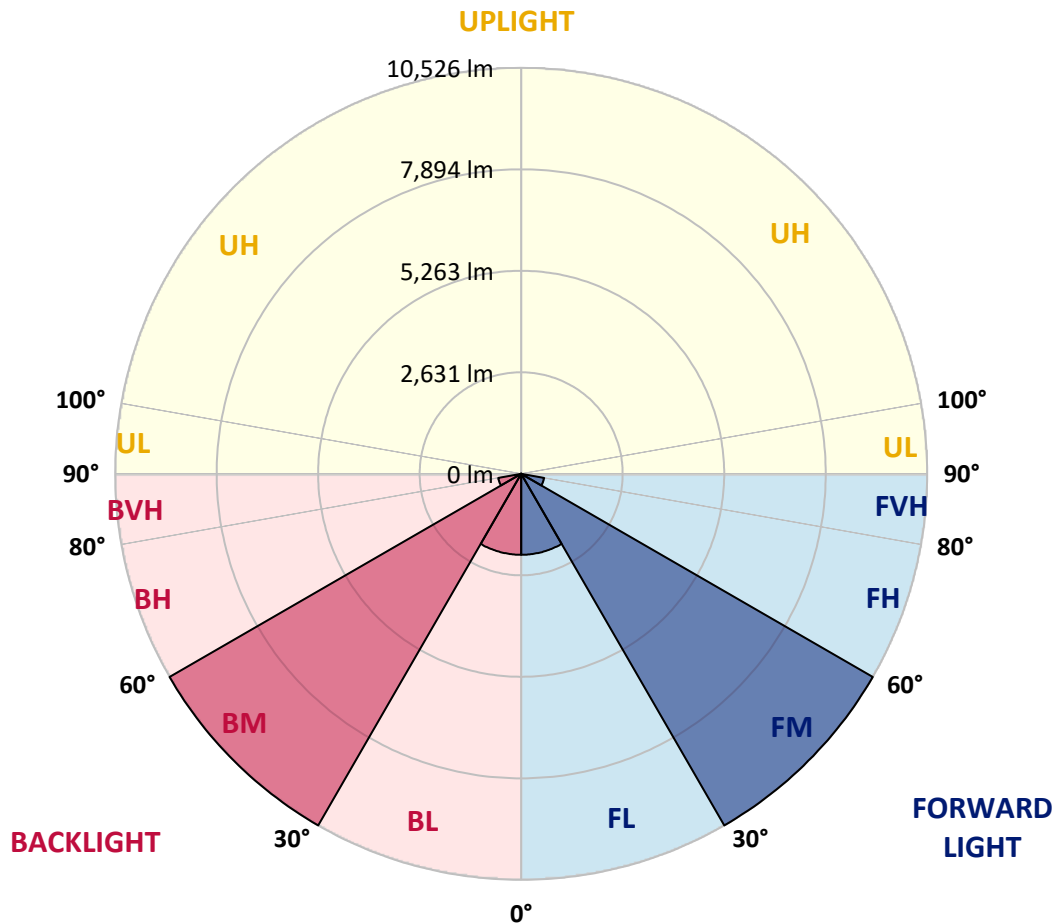
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2098.2	7.9			
FM	(30°-60°)	10525.8	39.7			
FH	(60°-80°)	602.8	2.3			G0/660
FVH	(80°-90°)	18.2	0.1			G1/100
BL	(0°-30°)	2098.2	7.9	B3/2500		
BM	(30°-60°)	10525.8	39.7	B5		
BH	(60°-80°)	602.8	2.3	B2/1000		G0/660
BVH	(80°-90°)	18.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3672.5	3672.5	3672.5	3672.5	3672.5	3672.5	3672.5	3672.5	3672.5	3672.5	3672.5
2.5°	3659.2	3659.2	3654.7	3690.4	3672.5	3712.7	3708.2	3721.6	3734.9	3730.5	3766.1
5°	3628.0	3623.5	3623.5	3663.6	3703.7	3748.3	3788.4	3815.2	3859.7	3859.7	3904.3
7.5°	3659.2	3636.9	3668.1	3685.9	3761.7	3837.5	3904.3	3957.8	4060.3	4096.0	4082.6
10°	3668.1	3694.8	3717.1	3770.6	3864.2	3980.1	4038.0	4171.7	4287.6	4367.8	4385.7
12.5°	3726.0	3766.1	3828.5	3957.8	4042.5	4194.0	4274.2	4403.5	4563.9	4653.1	4715.5
15°	3837.5	3850.8	3931.1	4096.0	4278.7	4416.9	4541.7	4635.3	4791.2	4893.8	4898.2
17.5°	3980.1	4038.0	4149.4	4305.4	4497.1	4702.1	4800.2	4902.7	4960.6	5098.8	5130.0
20°	4265.3	4274.2	4381.2	4586.2	4826.9	5014.1	5085.4	5138.9	5116.6	5259.2	5286.0
22.5°	4532.7	4541.7	4675.4	4951.7	5210.2	5370.7	5401.9	5370.7	5303.8	5406.3	5415.2
25°	4804.6	4884.8	4982.9	5259.2	5580.1	5794.1	5798.5	5713.8	5575.7	5593.5	5638.1
27.5°	5228.0	5286.0	5388.5	5642.5	5994.6	6235.3	6195.2	6092.7	5914.4	5927.8	5914.4
30°	5722.8	5776.2	5860.9	6186.3	6444.8	6707.7	6765.7	6667.6	6400.2	6342.3	6409.1
32.5°	6320.0	6395.8	6551.8	6850.4	7068.8	7229.2	7269.3	7233.7	6984.1	6961.8	7006.4
35°	7046.5	7149.0	7291.6	7554.6	7732.9	8022.6	8022.6	7902.2	7674.9	7701.7	7697.2
37.5°	7813.1	7964.6	8187.5	8454.9	8695.6	8851.6	8802.5	8700.0	8472.7	8414.8	8472.7
40°	8775.8	8851.6	9132.3	9480.0	9774.1	9952.4	9742.9	9520.1	8976.3	9061.0	9217.0
42.5°	9653.8	9774.1	9988.1	10371.4	10705.7	10852.7	10603.1	10161.9	9506.7	9439.9	9555.8
45°	10402.6	10531.8	10812.6	11360.8	11712.9	11842.2	11289.5	10576.4	9827.6	9658.3	9707.3
47.5°	10901.8	10968.6	11360.8	11882.3	12203.2	12497.4	11704.0	10861.6	9979.2	9658.3	9640.4
50°	10710.1	10826.0	11285.1	11877.8	12461.7	12671.2	11913.5	11080.0	10028.2	9618.2	9564.7
52.5°	9511.2	9711.7	10224.3	11022.1	11904.6	12653.4	12203.2	11008.7	10010.4	9658.3	9738.5
55°	6618.6	6623.1	7247.0	8423.7	9983.6	11748.6	11779.8	11089.0	10126.2	9907.9	9912.3
57.5°	2660.8	2794.5	3271.4	4452.5	5892.1	8067.1	9591.4	10286.7	10139.6	10086.1	10224.3
60°	673.0	677.5	824.5	1256.9	2072.5	3458.6	5023.0	6796.9	7826.4	8178.5	8227.6
62.5°	343.2	347.6	383.3	445.7	566.0	927.1	1649.1	2616.2	3721.6	4283.2	4430.2
65°	280.8	280.8	303.1	334.3	338.7	356.6	427.9	610.6	886.9	1007.3	1020.6
67.5°	213.9	213.9	231.8	249.6	258.5	254.0	245.1	254.0	307.5	294.2	285.2
70°	133.7	138.2	147.1	164.9	173.8	178.3	182.7	191.6	218.4	227.3	218.4
72.5°	80.2	80.2	84.7	98.1	111.4	120.3	133.7	142.6	156.0	178.3	173.8
75°	35.7	35.7	44.6	57.9	71.3	84.7	98.1	111.4	120.3	133.7	138.2
77.5°	8.9	13.4	22.3	40.1	53.5	71.3	89.1	102.5	111.4	111.4	107.0
80°	4.5	4.5	17.8	31.2	57.9	75.8	98.1	107.0	120.3	111.4	98.1
82.5°	4.5	4.5	17.8	31.2	53.5	75.8	102.5	115.9	124.8	111.4	93.6
85°	0.0	4.5	13.4	26.7	44.6	53.5	44.6	31.2	17.8	17.8	13.4
87.5°	0.0	0.0	4.5	4.5	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)