

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: P530440

Luminaire Tested: **GALN-SA5C-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5C-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24515 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 269
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

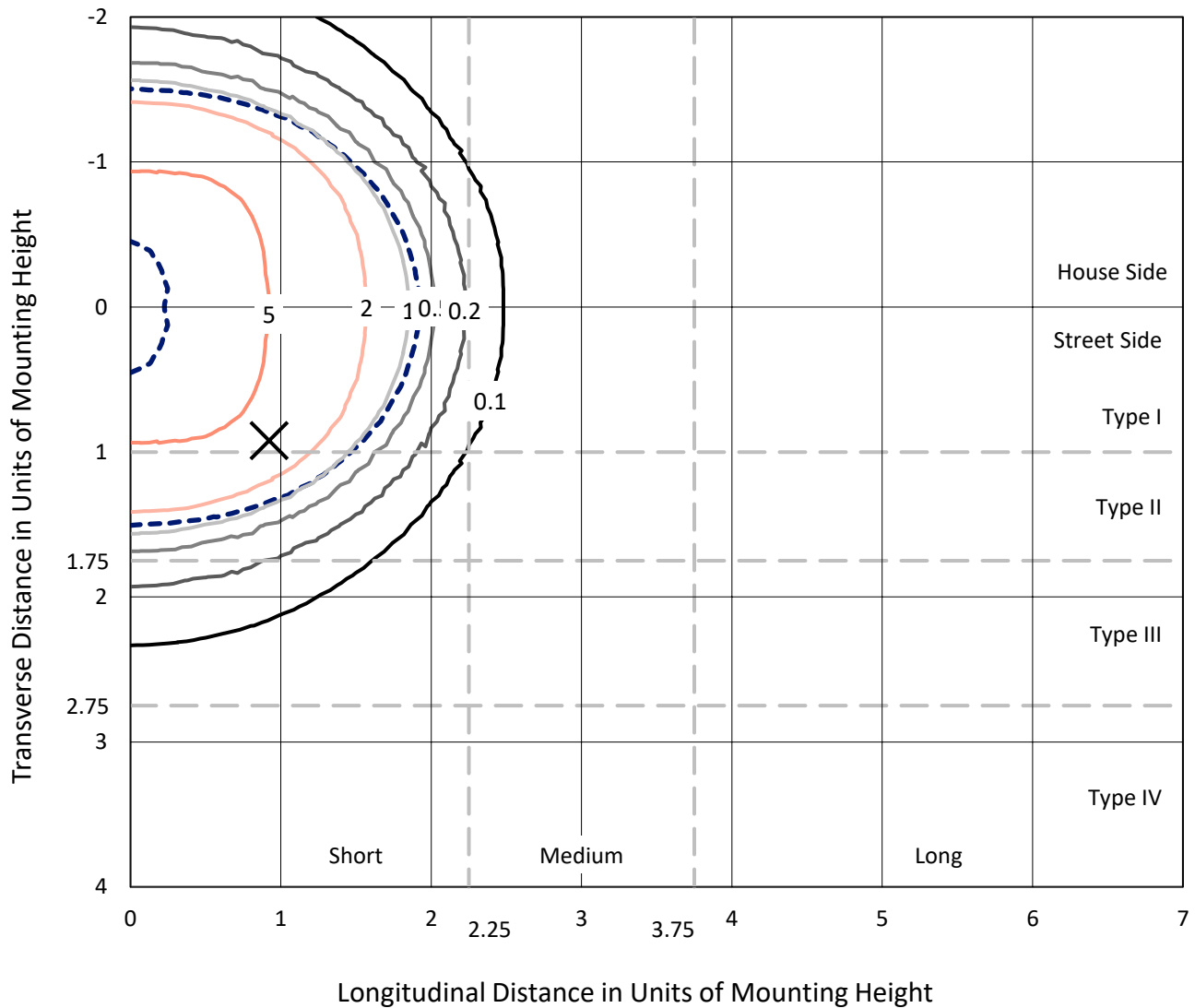


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Iso-Footcandle Lines of Horizontal Illumination

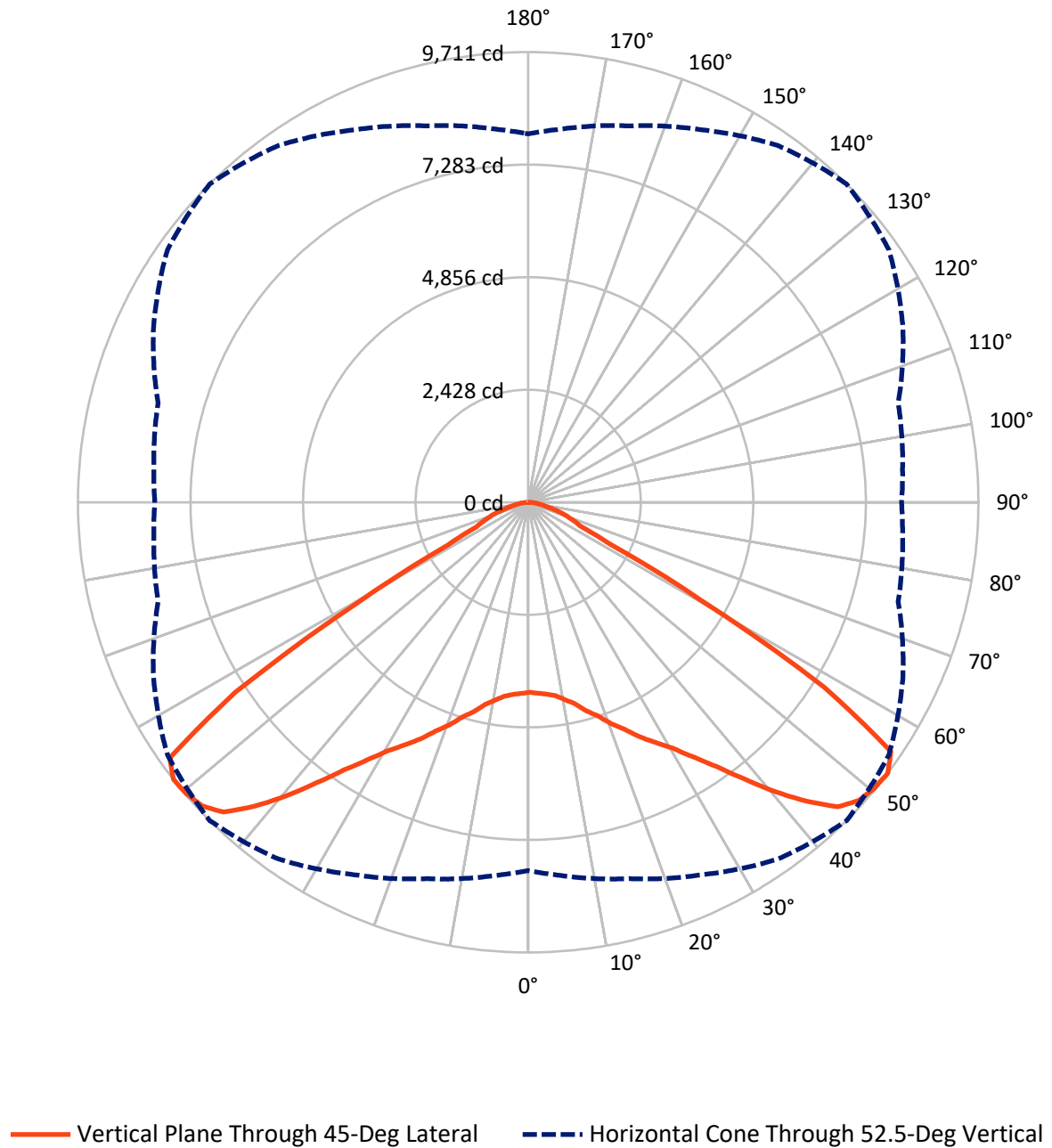
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	12257.5	0.0	12257.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12257.5	0.0	12257.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24515.0	0.0	24515.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.6	1.6
10°-20°	1323.0	5.4
20°-30°	2518.8	10.3
30°-40°	4324.9	17.6
40°-50°	6647.5	27.1
50°-60°	6750.4	27.5
60°-70°	1881.2	7.7
70°-80°	554.9	2.3
80°-90°	111.8	0.5
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°	24515.0	100.0
0°-180°	24515.0	100.0

Coefficient of Utilization



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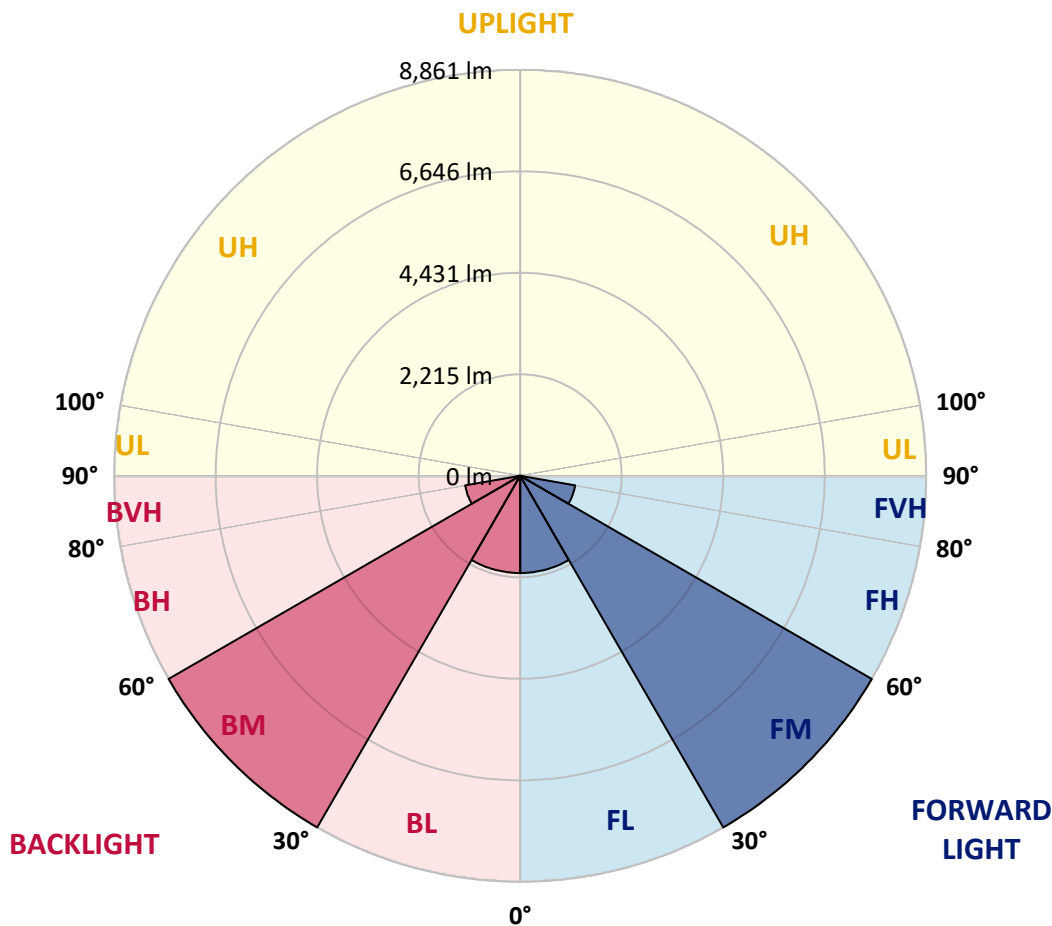
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2122.2	8.7			
FM	(30°-60°)	8861.3	36.1			
FH	(60°-80°)	1218.1	5.0			G1/1800
FVH	(80°-90°)	55.9	0.2			G1/100
BL	(0°-30°)	2122.2	8.7	B3/2500		
BM	(30°-60°)	8861.3	36.1	B5		
BH	(60°-80°)	1218.1	5.0	B3/2500		G1/1800
BVH	(80°-90°)	55.9	0.2			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°	4098.0	4098.0	4098.0	4098.0	4098.0	4098.0	4098.0	4098.0	4098.0	4098.0	4098.0
2.5°	4107.1	4064.5	4079.8	4088.9	4128.4	4125.4	4116.3	4128.4	4140.6	4143.6	4137.6
5°	4104.1	4073.7	4085.8	4095.0	4134.5	4155.8	4149.7	4201.4	4238.0	4228.8	4274.5
7.5°	4079.8	4098.0	4082.8	4128.4	4161.9	4213.6	4268.4	4317.1	4362.7	4414.4	4423.5
10°	4134.5	4134.5	4161.9	4198.4	4286.6	4326.2	4405.3	4475.3	4563.5	4624.3	4600.0
12.5°	4192.3	4201.4	4201.4	4295.8	4368.8	4457.0	4530.0	4624.3	4749.1	4822.1	4858.6
15°	4250.1	4256.2	4286.6	4414.4	4523.9	4663.9	4730.8	4816.0	4886.0	5022.9	5025.9
17.5°	4301.8	4335.3	4426.6	4569.6	4706.5	4840.3	4946.8	5035.0	5095.9	5150.6	5138.5
20°	4496.5	4520.9	4615.2	4758.2	4962.0	5092.8	5129.4	5144.6	5184.1	5293.6	5260.2
22.5°	4685.2	4694.3	4782.5	5001.6	5144.6	5318.0	5357.5	5348.4	5363.6	5391.0	5439.7
25°	4879.9	4895.1	5016.8	5202.4	5403.2	5610.0	5643.5	5573.5	5552.2	5582.7	5585.7
27.5°	5129.4	5132.4	5287.6	5448.8	5677.0	5871.7	5923.4	5868.6	5768.2	5792.6	5832.1
30°	5445.8	5424.5	5579.6	5810.8	6051.2	6160.7	6248.9	6221.5	6112.0	6090.7	6057.3
32.5°	5810.8	5816.9	5956.9	6209.4	6367.6	6550.1	6644.4	6598.8	6528.8	6492.3	6513.6
35°	6325.0	6352.4	6446.7	6656.6	6912.2	7003.4	7152.5	7055.1	6872.6	6918.2	6957.8
37.5°	6747.9	6827.0	7003.4	7252.9	7405.0	7572.3	7627.1	7496.3	7362.4	7307.7	7438.5
40°	7395.9	7371.5	7566.3	7815.7	8040.9	8208.2	8138.2	8007.4	7675.8	7678.8	7715.3
42.5°	7952.6	7964.8	8113.9	8412.0	8719.3	8822.7	8600.6	8281.2	7913.1	7873.5	7952.6
45°	8421.1	8469.8	8555.0	8953.5	9254.7	9367.3	8956.6	8579.3	8086.5	7922.2	8053.0
47.5°	8588.5	8667.6	8853.2	9218.2	9516.4	9607.6	9279.1	8737.5	8247.7	7980.0	8050.0
50°	8612.8	8585.4	8889.7	9224.3	9486.0	9683.7	9394.7	8853.2	8208.2	8068.2	8046.9
52.5°	7946.5	8080.4	8405.9	8865.3	9394.7	9711.1	9498.1	8917.0	8262.9	8104.7	8053.0
55°	6431.5	6273.3	6866.5	7639.3	8612.8	9492.0	9461.6	8950.5	8296.4	8165.6	8095.6
57.5°	3589.9	3635.6	3970.2	4809.9	6066.4	7526.7	8412.0	8597.6	8281.2	8205.1	8241.6
60°	1661.1	1676.3	1819.3	2211.8	2990.6	4268.4	5433.6	6617.0	7161.6	7271.1	7271.1
62.5°	1238.2	1232.1	1268.6	1338.6	1502.9	1962.3	2619.4	3559.5	4307.9	4831.2	4968.1
65°	1119.6	1116.5	1134.8	1159.1	1171.3	1235.2	1381.2	1670.2	1913.6	2053.6	2029.2
67.5°	979.6	976.6	982.7	997.9	1019.2	1052.6	1089.2	1150.0	1235.2	1229.1	1213.9
70°	791.0	791.0	800.1	812.3	836.6	876.2	918.8	961.4	1034.4	1049.6	1046.6
72.5°	584.1	575.0	593.3	617.6	641.9	690.6	736.2	775.8	827.5	842.7	836.6
75°	371.2	377.2	389.4	416.8	459.4	492.9	541.5	575.0	608.5	620.6	623.7
77.5°	206.9	213.0	234.3	267.7	310.3	346.8	389.4	416.8	438.1	441.1	444.2
80°	124.7	127.8	149.1	179.5	216.0	255.6	289.0	316.4	334.7	325.5	322.5
82.5°	76.1	79.1	97.4	124.7	155.2	185.6	222.1	246.4	264.7	252.5	240.3
85°	39.6	42.6	57.8	76.1	100.4	115.6	115.6	103.4	100.4	94.3	91.3
87.5°	12.2	12.2	15.2	18.3	15.2	18.3	21.3	24.3	24.3	27.4	24.3
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)