

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: P530206

Luminaire Tested: **GALN-SA5B-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530206
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-SA5B-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 800mA 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: 19842 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 204
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

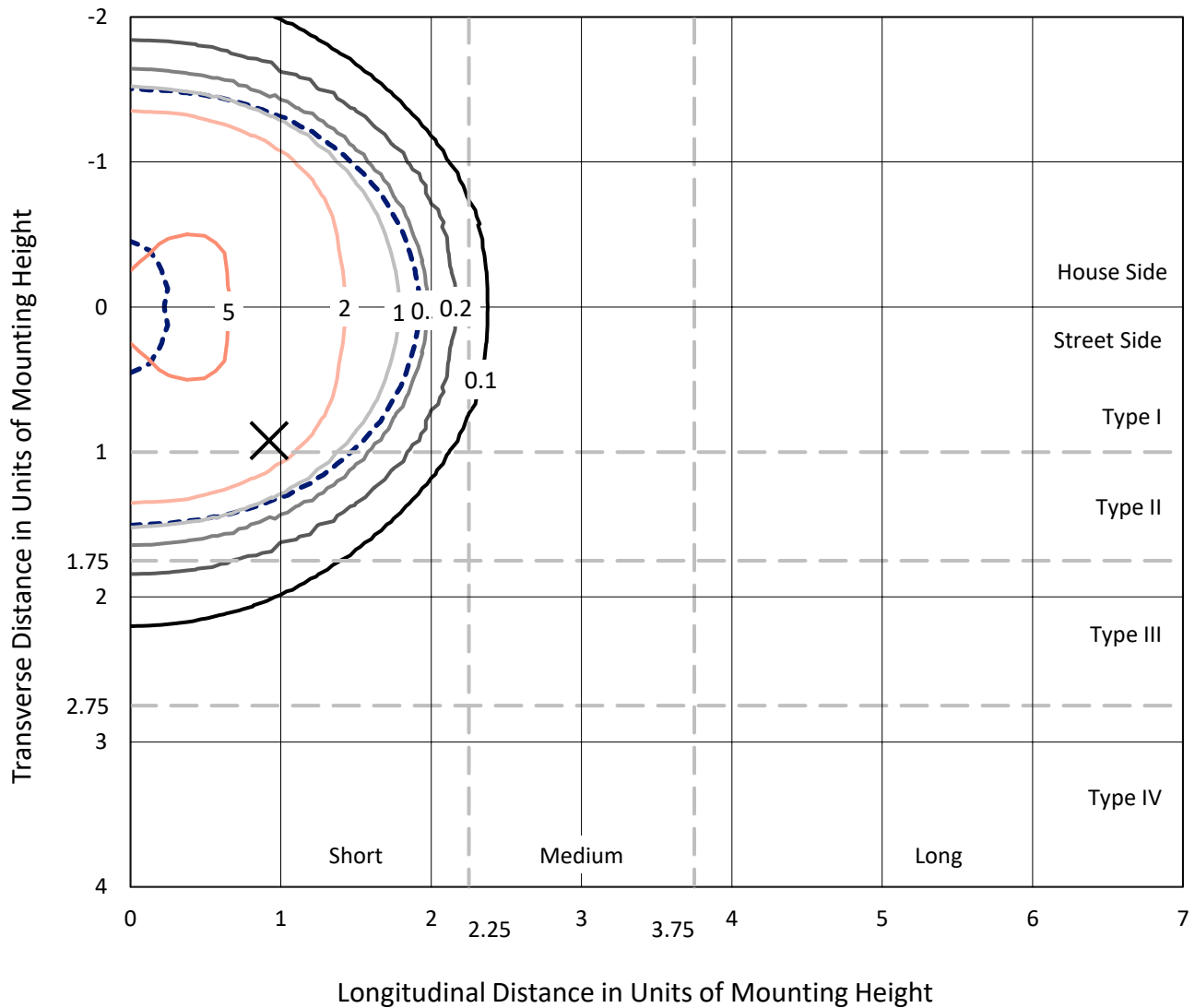


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Iso-Footcandle Lines of Horizontal Illumination

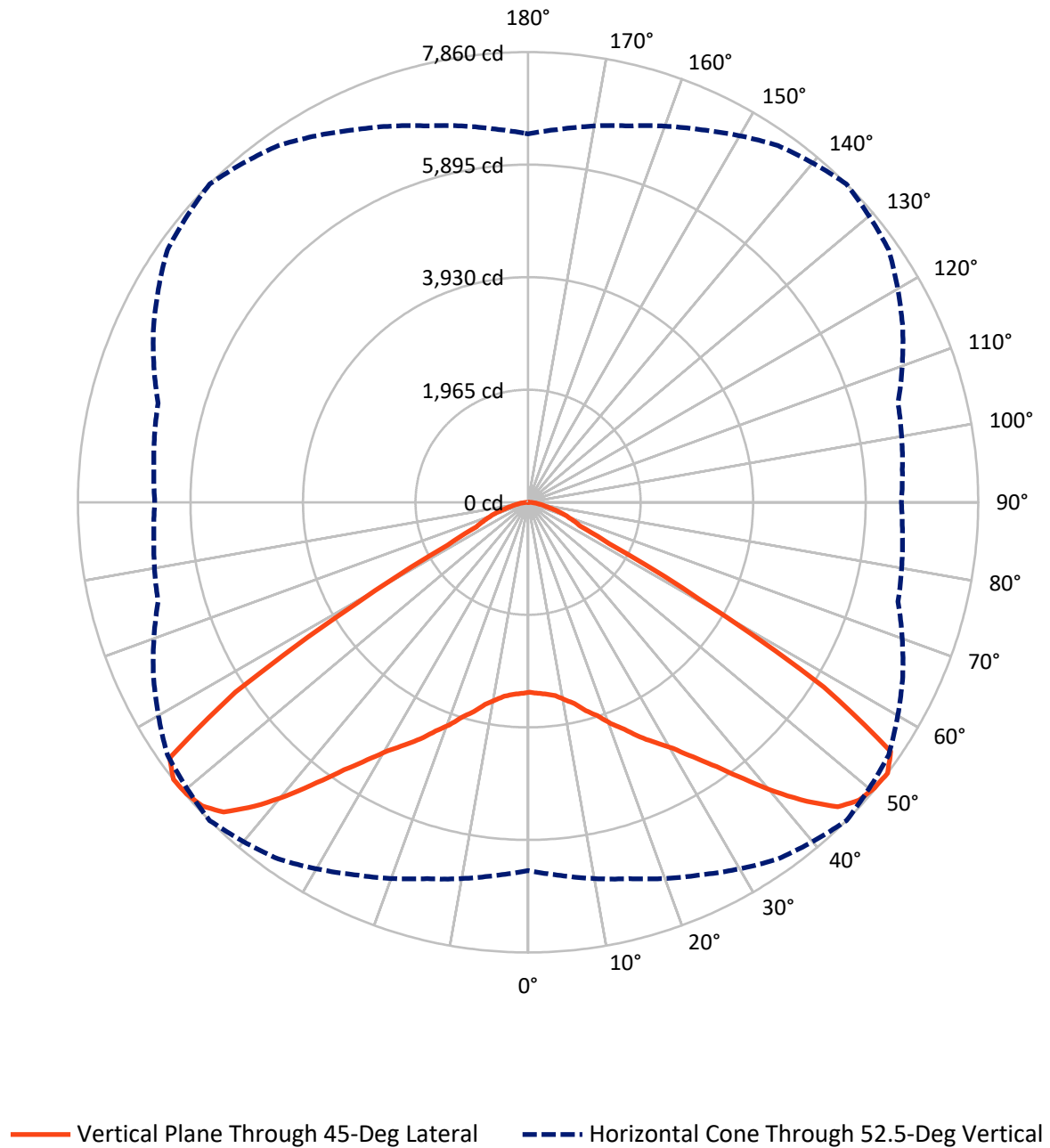
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	9921.0	0.0	9921.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9921.0	0.0	9921.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19842.0	0.0	19842.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.9	1.6
10°-20°	1070.8	5.4
20°-30°	2038.6	10.3
30°-40°	3500.5	17.6
40°-50°	5380.3	27.1
50°-60°	5463.6	27.5
60°-70°	1522.6	7.7
70°-80°	449.2	2.3
80°-90°	90.5	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°	19842.0	100.0
0°-180°	19842.0	100.0

Coefficient of Utilization



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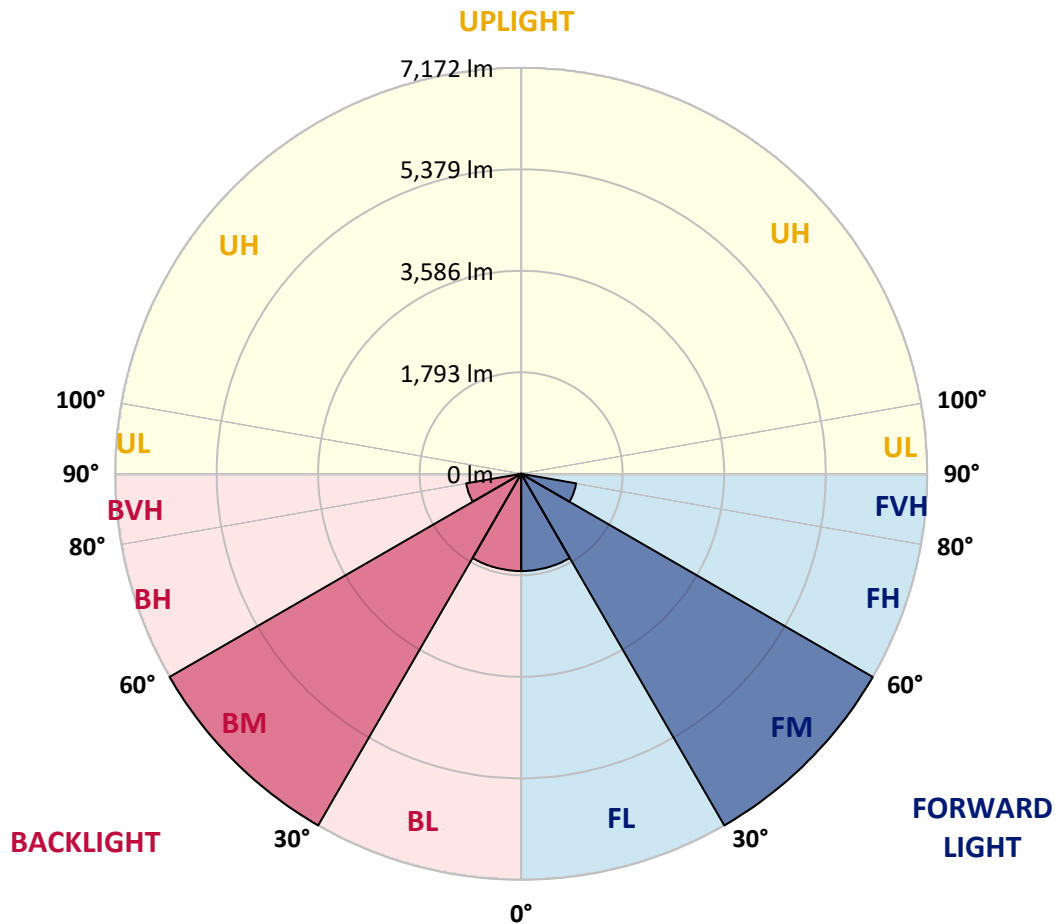
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1717.6	8.7			
FM	(30°-60°)	7172.2	36.1			
FH	(60°-80°)	985.9	5.0			G1/1800
FVH	(80°-90°)	45.2	0.2			G1/100
BL	(0°-30°)	1717.6	8.7	B3/2500		
BM	(30°-60°)	7172.2	36.1	B4/8500		
BH	(60°-80°)	985.9	5.0	B2/1000		G1/1800
BVH	(80°-90°)	45.2	0.2			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°	3316.9	3316.9	3316.9	3316.9	3316.9	3316.9	3316.9	3316.9	3316.9	3316.9	3316.9
2.5°	3324.2	3289.8	3302.1	3309.5	3341.5	3339.0	3331.6	3341.5	3351.3	3353.8	3348.9
5°	3321.8	3297.2	3307.0	3314.4	3346.4	3363.6	3358.7	3400.6	3430.1	3422.7	3459.7
7.5°	3302.1	3316.9	3304.5	3341.5	3368.6	3410.4	3454.7	3494.1	3531.1	3572.9	3580.3
10°	3346.4	3346.4	3368.6	3398.1	3469.5	3501.5	3565.6	3622.2	3693.6	3742.8	3723.1
12.5°	3393.2	3400.6	3400.6	3476.9	3536.0	3607.4	3666.5	3742.8	3843.8	3902.9	3932.5
15°	3440.0	3444.9	3469.5	3572.9	3661.6	3774.9	3829.0	3898.0	3954.6	4065.4	4067.9
17.5°	3481.8	3508.9	3582.8	3698.5	3809.3	3917.7	4003.9	4075.3	4124.5	4168.8	4159.0
20°	3639.4	3659.1	3735.5	3851.2	4016.2	4122.1	4151.6	4163.9	4195.9	4284.6	4257.5
22.5°	3792.1	3799.5	3870.9	4048.2	4163.9	4304.3	4336.3	4328.9	4341.2	4363.4	4402.8
25°	3949.7	3962.0	4060.5	4210.7	4373.2	4540.7	4567.8	4511.1	4493.9	4518.5	4521.0
27.5°	4151.6	4154.1	4279.6	4410.2	4594.8	4752.4	4794.3	4750.0	4668.7	4688.4	4720.4
30°	4407.7	4390.5	4516.0	4703.2	4897.7	4986.4	5057.8	5035.6	4947.0	4929.7	4902.6
32.5°	4703.2	4708.1	4821.4	5025.8	5153.8	5301.5	5377.9	5340.9	5284.3	5254.8	5272.0
35°	5119.3	5141.5	5217.8	5387.7	5594.6	5668.4	5789.1	5710.3	5562.6	5599.5	5631.5
37.5°	5461.6	5525.6	5668.4	5870.4	5993.5	6128.9	6173.2	6067.4	5959.0	5914.7	6020.6
40°	5986.1	5966.4	6124.0	6325.9	6508.1	6643.6	6586.9	6481.0	6212.6	6215.1	6244.6
42.5°	6436.7	6446.6	6567.2	6808.5	7057.2	7141.0	6961.2	6702.7	6404.7	6372.7	6436.7
45°	6815.9	6855.3	6924.3	7246.8	7490.6	7581.7	7249.3	6944.0	6545.1	6412.1	6518.0
47.5°	6951.4	7015.4	7165.6	7461.1	7702.4	7776.3	7510.3	7072.0	6675.6	6458.9	6515.5
50°	6971.1	6948.9	7195.1	7466.0	7677.8	7837.8	7603.9	7165.6	6643.6	6530.3	6513.0
52.5°	6431.8	6540.1	6803.6	7175.4	7603.9	7860.0	7687.6	7217.3	6687.9	6559.8	6518.0
55°	5205.5	5077.5	5557.6	6183.1	6971.1	7682.7	7658.1	7244.4	6715.0	6609.1	6552.4
57.5°	2905.6	2942.6	3213.4	3893.1	4910.0	6092.0	6808.5	6958.7	6702.7	6641.1	6670.6
60°	1344.5	1356.8	1472.5	1790.2	2420.5	3454.7	4397.8	5355.7	5796.5	5885.1	5885.1
62.5°	1002.2	997.3	1026.8	1083.5	1216.4	1588.2	2120.1	2881.0	3486.8	3910.3	4021.1
65°	906.2	903.7	918.5	938.2	948.0	999.7	1117.9	1351.9	1548.8	1662.1	1642.4
67.5°	792.9	790.4	795.4	807.7	824.9	852.0	881.5	930.8	999.7	994.8	982.5
70°	640.2	640.2	647.6	657.5	677.2	709.2	743.6	778.1	837.2	849.5	847.1
72.5°	472.8	465.4	480.2	499.9	519.6	559.0	595.9	627.9	669.8	682.1	677.2
75°	300.4	305.3	315.2	337.3	371.8	398.9	438.3	465.4	492.5	502.3	504.8
77.5°	167.4	172.4	189.6	216.7	251.2	280.7	315.2	337.3	354.6	357.0	359.5
80°	101.0	103.4	120.7	145.3	174.8	206.8	233.9	256.1	270.9	263.5	261.0
82.5°	61.6	64.0	78.8	101.0	125.6	150.2	179.8	199.5	214.2	204.4	194.5
85°	32.0	34.5	46.8	61.6	81.3	93.6	93.6	83.7	81.3	76.3	73.9
87.5°	9.8	9.8	12.3	14.8	12.3	14.8	17.2	19.7	19.7	22.2	19.7
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)