

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: P530202

Luminaire Tested: **GALN-SA5B-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
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-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19210 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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



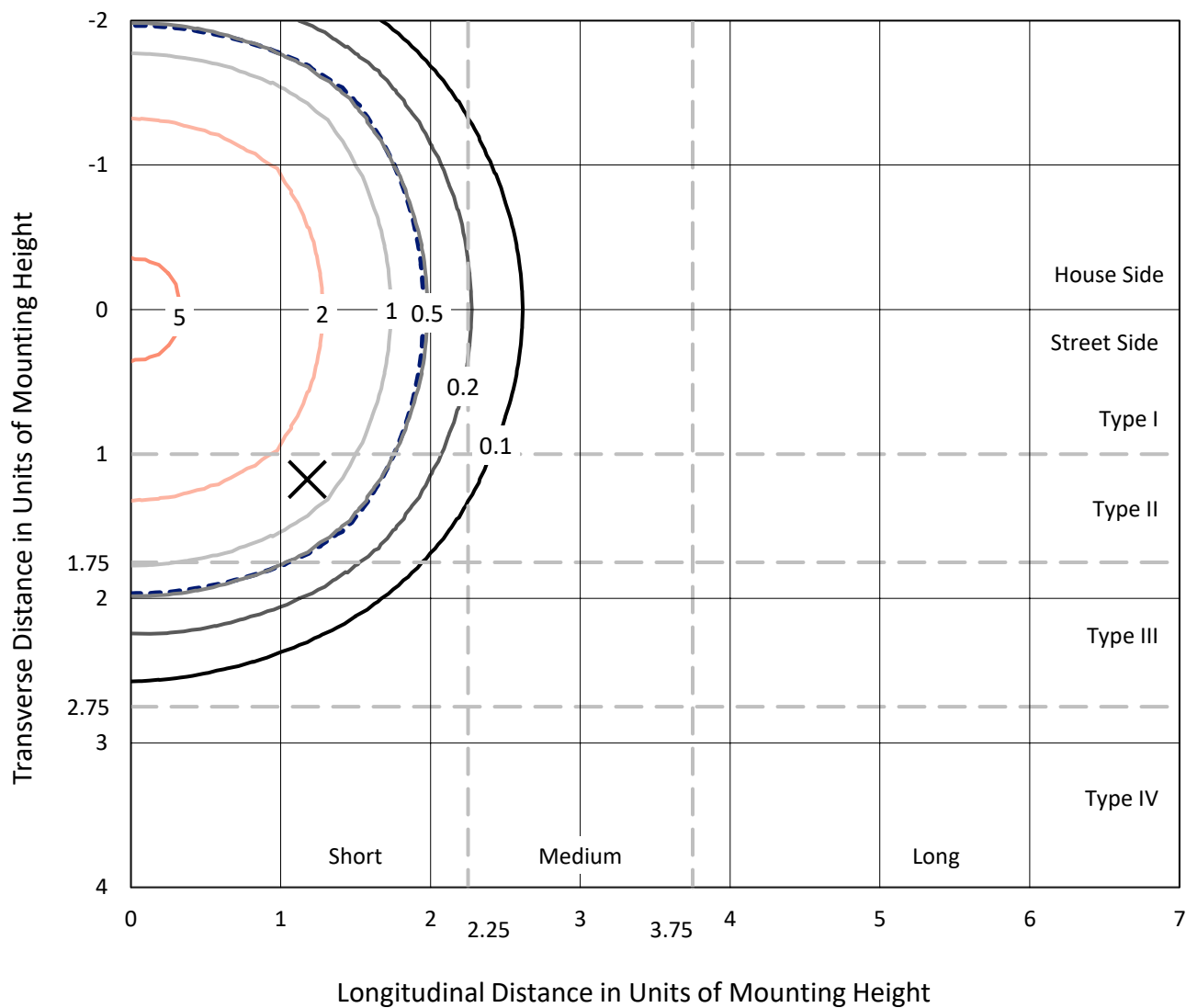
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

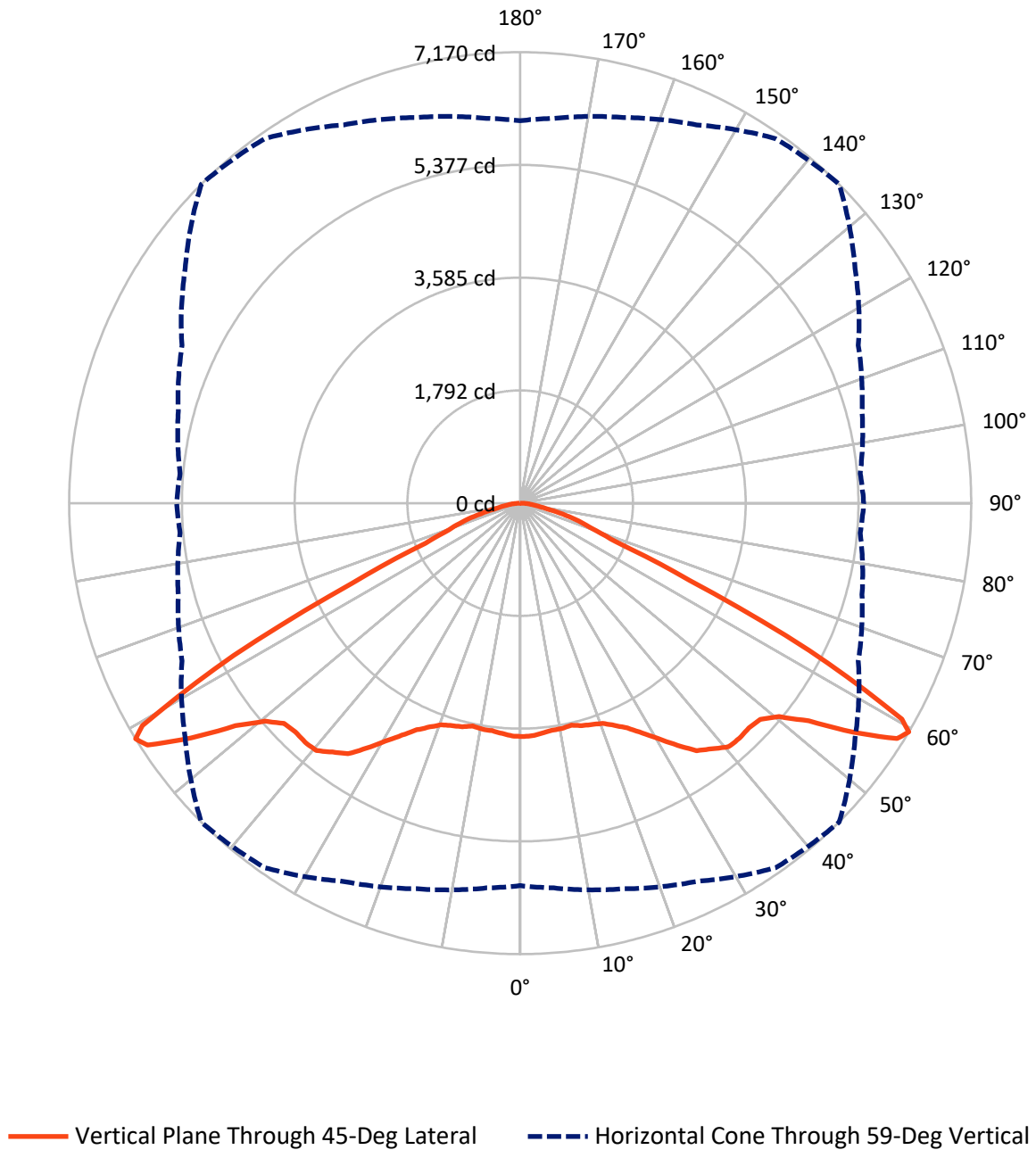


Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9605.0	0.0	9605.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9605.0	0.0	9605.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19210.0	0.0	19210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.8	1.8
10°-20°	1040.2	5.4
20°-30°	1816.3	9.5
30°-40°	2900.8	15.1
40°-50°	3951.5	20.6
50°-60°	5343.5	27.8
60°-70°	2930.4	15.3
70°-80°	749.7	3.9
80°-90°	127.9	0.7
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°	19210.0	100.0
0°-180°	19210.0	100.0

Coefficient of Utilization



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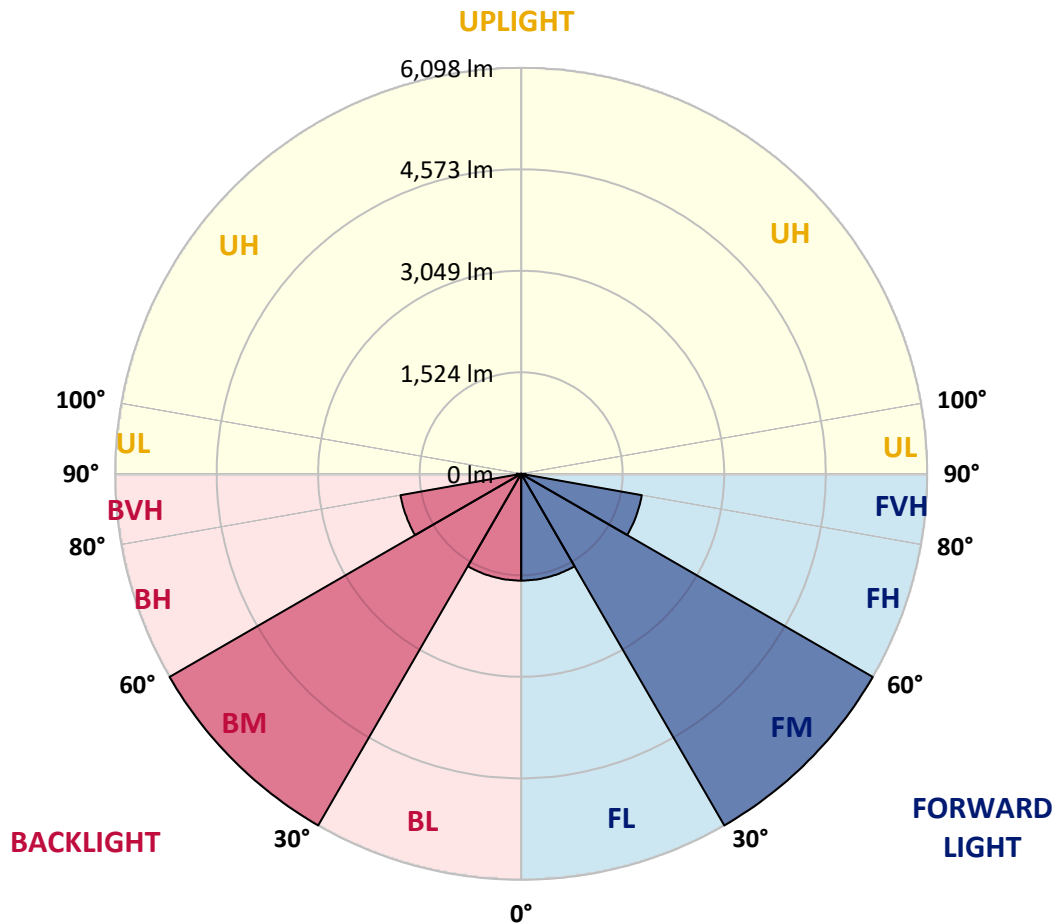
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1603.1	8.3			
FM	(30°-60°)	6097.9	31.7			
FH	(60°-80°)	1840.0	9.6			G2/5000
FVH	(80°-90°)	63.9	0.3			G1/100
BL	(0°-30°)	1603.1	8.3	B3/2500		
BM	(30°-60°)	6097.9	31.7	B4/8500		
BH	(60°-80°)	1840.0	9.6	B3/2500		G2/5000
BVH	(80°-90°)	63.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3710.5	3710.5	3710.5	3710.5	3710.5	3710.5	3710.5	3710.5	3710.5	3710.5	3710.5
2.5°	3688.3	3715.4	3695.7	3712.9	3710.5	3703.1	3690.8	3683.4	3673.5	3688.3	3663.7
5°	3673.5	3695.7	3717.8	3688.3	3688.3	3673.5	3666.1	3651.4	3651.4	3648.9	3646.4
7.5°	3698.1	3676.0	3666.1	3671.1	3676.0	3644.0	3666.1	3636.6	3612.0	3629.2	3648.9
10°	3676.0	3685.8	3648.9	3666.1	3639.1	3644.0	3629.2	3648.9	3621.8	3621.8	3621.8
12.5°	3698.1	3671.1	3683.4	3671.1	3663.7	3621.8	3641.5	3619.4	3616.9	3641.5	3619.4
15°	3742.5	3698.1	3688.3	3663.7	3671.1	3671.1	3651.4	3653.8	3626.7	3641.5	3646.4
17.5°	3727.7	3703.1	3695.7	3666.1	3690.8	3698.1	3661.2	3636.6	3653.8	3651.4	3648.9
20°	3740.0	3749.8	3742.5	3747.4	3757.2	3737.5	3703.1	3668.6	3646.4	3678.4	3676.0
22.5°	3818.8	3808.9	3804.0	3799.1	3816.3	3836.0	3789.2	3735.1	3735.1	3757.2	3767.1
25°	3882.8	3880.3	3877.9	3900.0	3959.1	3959.1	3900.0	3831.1	3813.9	3828.6	3816.3
27.5°	3976.4	4003.4	3993.6	4033.0	4119.2	4138.9	4060.1	3978.8	3932.0	3914.8	3937.0
30°	4190.6	4158.6	4166.0	4207.8	4284.1	4348.1	4227.5	4141.3	4077.3	4074.9	4084.7
32.5°	4333.4	4358.0	4380.2	4419.6	4540.2	4589.4	4444.2	4303.8	4264.4	4242.3	4249.7
35°	4619.0	4596.8	4591.9	4631.3	4751.9	4833.2	4651.0	4527.9	4476.2	4525.4	4525.4
37.5°	4889.8	4828.3	4781.5	4833.2	4944.0	4953.8	4798.7	4732.2	4705.2	4761.8	4759.3
40°	5017.9	5012.9	4904.6	4934.1	5081.9	5096.6	4951.4	4872.6	4867.7	4941.5	5015.4
42.5°	5150.8	5104.0	4995.7	5015.4	5106.5	5111.4	4973.5	4951.4	5005.5	5076.9	5081.9
45°	5173.0	5133.6	5064.6	5015.4	5081.9	5096.6	5015.4	5030.2	5035.1	5121.3	5121.3
47.5°	5217.3	5212.4	5173.0	5136.0	5148.3	5136.0	5084.3	5106.5	5180.4	5222.2	5202.5
50°	5340.4	5288.7	5328.1	5296.1	5298.5	5333.0	5286.2	5308.4	5293.6	5256.7	5232.1
52.5°	5611.2	5586.6	5621.1	5643.2	5667.9	5746.6	5692.5	5574.3	5463.5	5365.0	5362.6
55°	6007.6	6024.9	6091.3	6204.6	6300.6	6426.2	6165.2	5882.1	5704.8	5549.7	5559.5
57.5°	6381.9	6369.6	6460.7	6719.2	6999.9	7063.9	6551.8	6148.0	5859.9	5761.4	5719.6
59°	6081.5	6140.6	6347.4	6635.5	7076.2	7169.8	6500.1	5931.3	5626.0	5426.6	5461.0
60°	5608.8	5630.9	5815.6	6216.9	6812.8	6972.8	6152.9	5596.5	5190.2	5074.5	5126.2
62.5°	3964.1	3946.8	4079.8	4407.2	4941.5	5158.2	4574.7	4183.2	3927.1	3799.1	3828.6
65°	2107.6	2186.4	2240.6	2444.9	2728.1	2957.0	2715.7	2545.9	2403.1	2297.2	2294.7
67.5°	1423.1	1413.3	1425.6	1472.4	1568.4	1632.4	1627.5	1541.3	1529.0	1509.3	1531.5
70°	1199.1	1194.1	1172.0	1172.0	1191.7	1206.5	1223.7	1233.5	1253.2	1277.9	1275.4
72.5°	972.5	960.2	945.5	938.1	962.7	970.1	992.2	1002.1	1019.3	1016.9	1039.0
75°	642.6	642.6	659.9	679.6	686.9	701.7	704.2	733.7	733.7	738.6	718.9
77.5°	359.5	349.6	361.9	381.6	398.9	426.0	453.0	475.2	487.5	482.6	482.6
80°	209.3	209.3	221.6	243.8	265.9	290.5	310.2	327.5	339.8	334.9	325.0
82.5°	130.5	130.5	142.8	165.0	182.2	197.0	224.1	246.2	261.0	256.1	243.8
85°	66.5	66.5	81.3	96.0	118.2	128.0	125.6	115.7	113.3	100.9	100.9
87.5°	17.2	17.2	24.6	27.1	22.2	24.6	24.6	24.6	24.6	24.6	27.1
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)