

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: P531369

Luminaire Tested: **GALN-SA6C-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6C-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22758 lumens
Efficiency: N/A
Efficacy: 70.9 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): 321
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



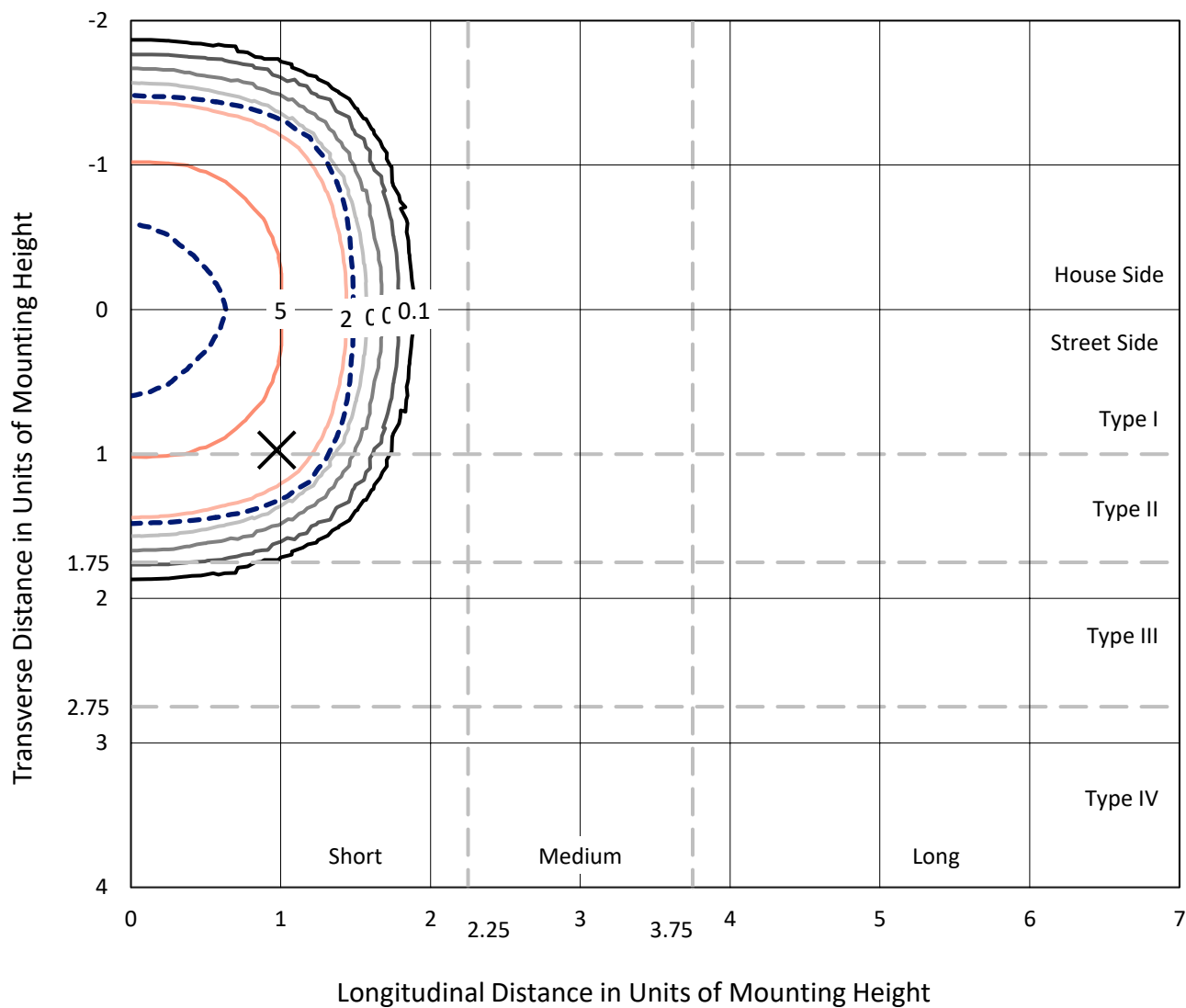
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

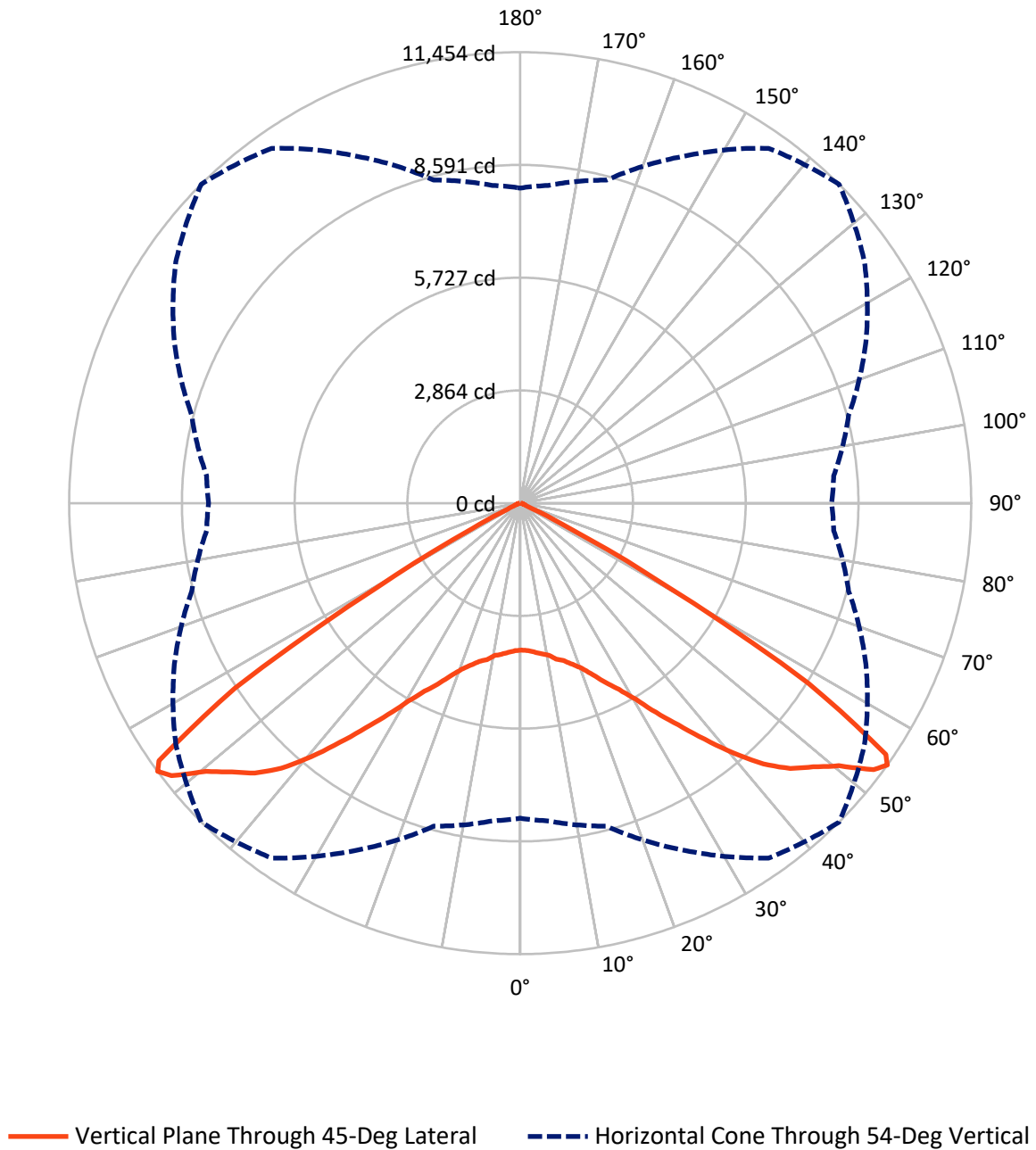


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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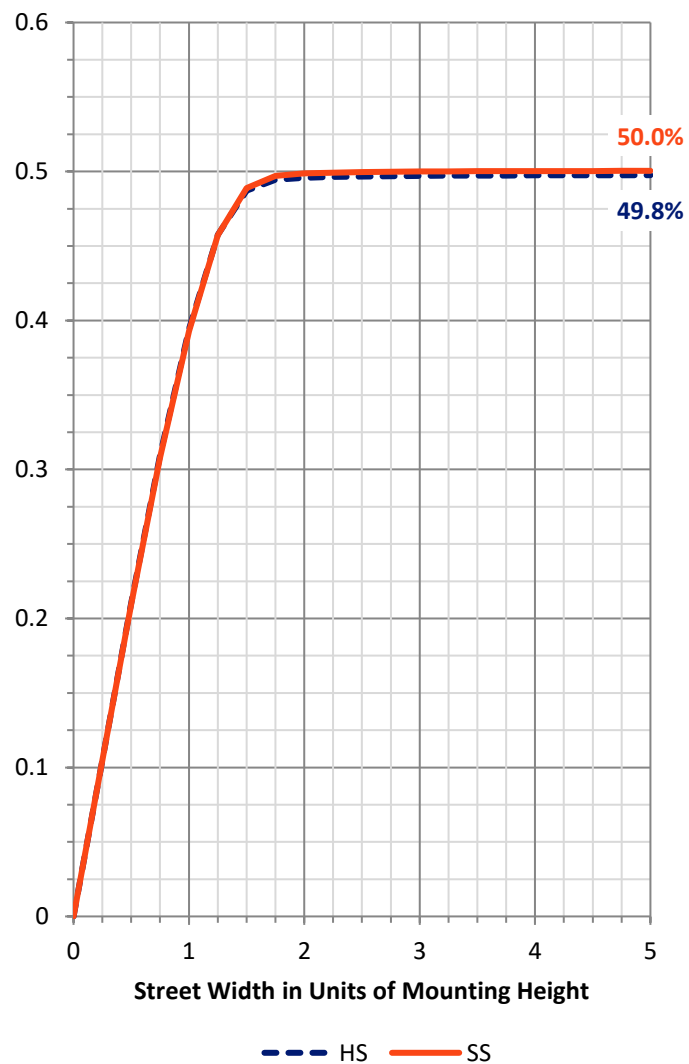
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11379.0	0.0	11379.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11379.0	0.0	11379.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22758.0	0.0	22758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.2	1.6
10°-20°	1182.8	5.2
20°-30°	2318.2	10.2
30°-40°	4168.5	18.3
40°-50°	7135.7	31.4
50°-60°	6904.5	30.3
60°-70°	591.0	2.6
70°-80°	70.1	0.3
80°-90°	22.0	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°	22758.0	100.0
0°-180°	22758.0	100.0

Coefficient of Utilization



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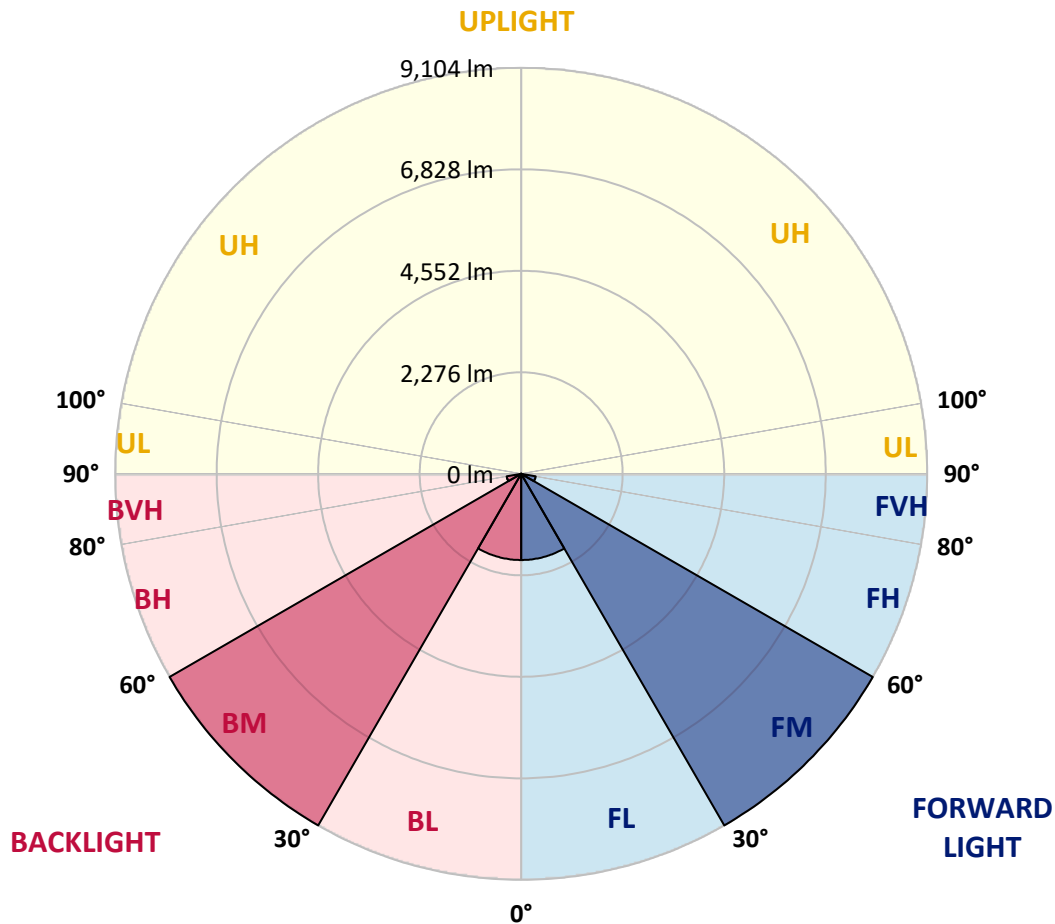
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1933.1	8.5			
FM	(30°-60°)	9104.4	40.0			
FH	(60°-80°)	330.6	1.5			G0/660
FVH	(80°-90°)	11.0	0.0			G1/100
BL	(0°-30°)	1933.1	8.5	B3/2500		
BM	(30°-60°)	9104.4	40.0	B5		
BH	(60°-80°)	330.6	1.5	B1/500		G0/660
BVH	(80°-90°)	11.0	0.0			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°	3731.6	3731.6	3731.6	3731.6	3731.6	3731.6	3731.6	3731.6	3731.6	3731.6	3731.6
2.5°	3749.6	3771.3	3756.8	3767.7	3767.7	3749.6	3760.4	3717.2	3746.0	3724.4	3728.0
5°	3807.3	3803.7	3803.7	3807.3	3792.9	3800.1	3785.7	3771.3	3760.4	3746.0	3789.3
7.5°	3879.4	3879.4	3854.2	3861.4	3854.2	3865.0	3836.2	3807.3	3796.5	3785.7	3778.5
10°	3947.9	3940.7	3929.9	3962.3	3937.1	3922.7	3908.3	3890.2	3850.6	3836.2	3821.7
12.5°	4048.9	4045.3	4030.9	4063.3	4048.9	4063.3	4009.2	3962.3	3955.1	3908.3	3933.5
15°	4167.9	4200.3	4175.1	4175.1	4167.9	4149.8	4128.2	4106.6	4041.7	4023.6	4027.2
17.5°	4322.9	4312.1	4315.7	4315.7	4351.7	4304.9	4261.6	4207.5	4175.1	4164.3	4128.2
20°	4470.7	4485.1	4481.5	4506.8	4528.4	4477.9	4431.1	4423.8	4333.7	4348.1	4297.7
22.5°	4730.3	4719.5	4737.5	4755.5	4741.1	4733.9	4690.6	4636.6	4557.2	4521.2	4514.0
25°	5004.3	4986.3	4953.8	4997.1	5018.7	5051.2	4968.3	4939.4	4816.8	4762.8	4766.4
27.5°	5238.7	5263.9	5300.0	5318.0	5372.1	5361.2	5303.6	5209.8	5116.1	5054.8	5015.1
30°	5559.5	5574.0	5635.3	5660.5	5754.2	5779.5	5689.3	5581.2	5415.3	5336.0	5289.1
32.5°	5855.2	5956.1	5952.5	6078.7	6230.2	6334.7	6172.5	6006.6	5840.8	5747.0	5664.1
35°	6334.7	6316.7	6421.2	6554.6	6799.8	6918.8	6742.1	6551.0	6298.7	6147.2	6082.3
37.5°	6781.8	6789.0	6929.6	7142.3	7423.5	7607.4	7452.4	7138.7	6879.1	6684.4	6594.3
40°	7430.8	7445.2	7589.4	7831.0	8148.2	8346.5	8166.3	7849.0	7502.9	7351.4	7351.4
42.5°	8191.5	8252.8	8346.5	8555.6	8840.5	9060.4	8898.2	8649.4	8299.7	8105.0	8133.8
45°	8973.9	9002.7	9064.0	9374.1	9507.5	9615.6	9464.2	9348.8	9114.5	8876.5	8836.9
47.5°	9705.8	9716.6	9896.9	9994.2	10098.8	10008.6	10106.0	9954.5	9691.4	9460.6	9413.7
50°	10030.3	10012.2	10268.2	10563.9	10643.2	10484.5	10401.6	10300.7	9900.5	9622.8	9500.3
52.5°	9085.6	9190.2	9666.1	10488.1	11108.3	11241.7	10758.6	10293.5	9547.1	9006.3	8923.4
54°	8004.0	8101.4	8494.4	9713.0	11003.7	11454.4	10675.6	9687.7	8635.0	7993.2	7910.3
55°	6933.2	6825.0	7538.9	8782.8	10513.4	11266.9	10347.5	8905.4	7701.2	7113.5	6998.1
57.5°	3753.2	3771.3	4373.4	5548.7	7387.5	8638.6	7629.1	6024.6	4550.0	3890.2	3832.6
60°	1189.8	1218.6	1481.8	2242.6	3529.7	4214.7	3612.6	2419.2	1672.9	1341.2	1287.1
62.5°	371.4	385.8	421.8	627.3	966.3	1380.9	1081.6	649.0	483.1	443.5	450.7
65°	227.1	227.1	230.7	245.2	288.4	335.3	324.5	284.8	274.0	266.8	263.2
67.5°	147.8	144.2	151.4	162.2	169.5	173.1	183.9	194.7	191.1	183.9	183.9
70°	90.1	86.5	93.7	108.2	111.8	119.0	129.8	144.2	140.6	133.4	137.0
72.5°	50.5	50.5	54.1	64.9	75.7	82.9	93.7	104.6	108.2	104.6	104.6
75°	18.0	21.6	28.8	39.7	46.9	57.7	68.5	79.3	90.1	82.9	79.3
77.5°	7.2	7.2	14.4	25.2	36.1	46.9	64.9	75.7	82.9	75.7	68.5
80°	3.6	3.6	10.8	21.6	32.4	43.3	54.1	64.9	68.5	61.3	54.1
82.5°	3.6	3.6	10.8	21.6	32.4	39.7	57.7	64.9	72.1	64.9	54.1
85°	0.0	3.6	10.8	21.6	28.8	32.4	32.4	21.6	18.0	10.8	10.8
87.5°	0.0	0.0	3.6	0.0	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)