

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: P532771

Luminaire Tested: **GALN-SA8A-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17611 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 244
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



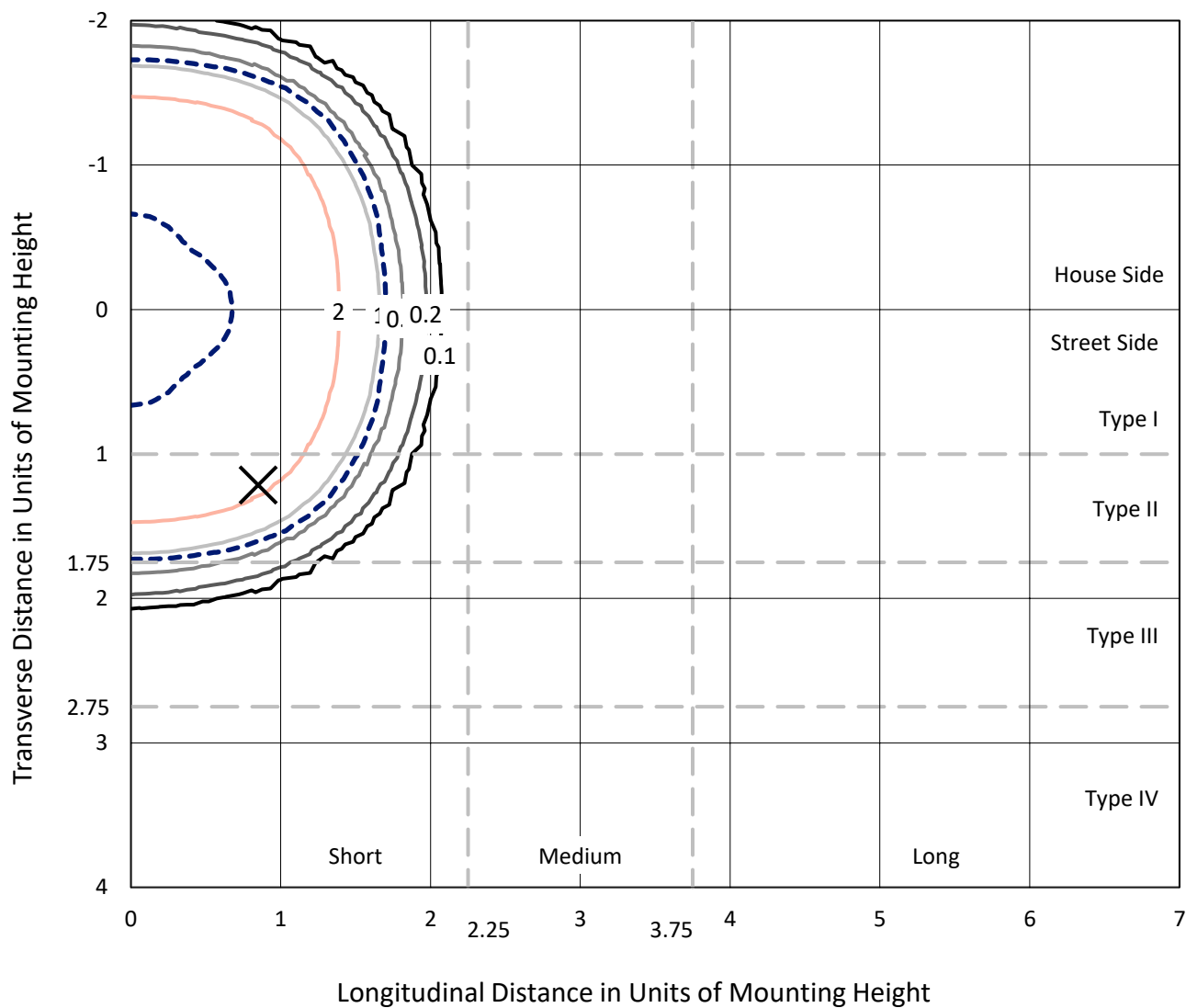
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

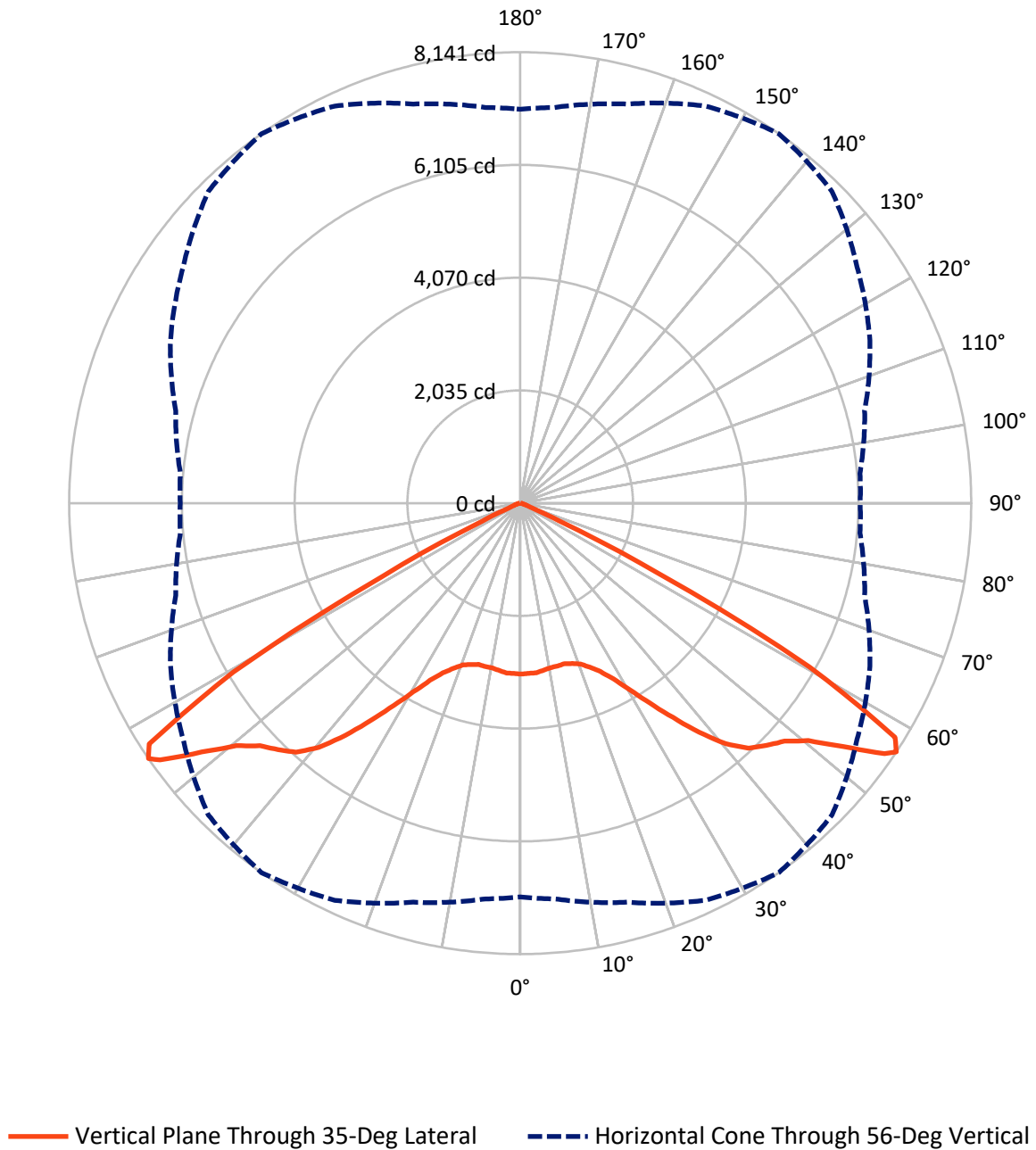


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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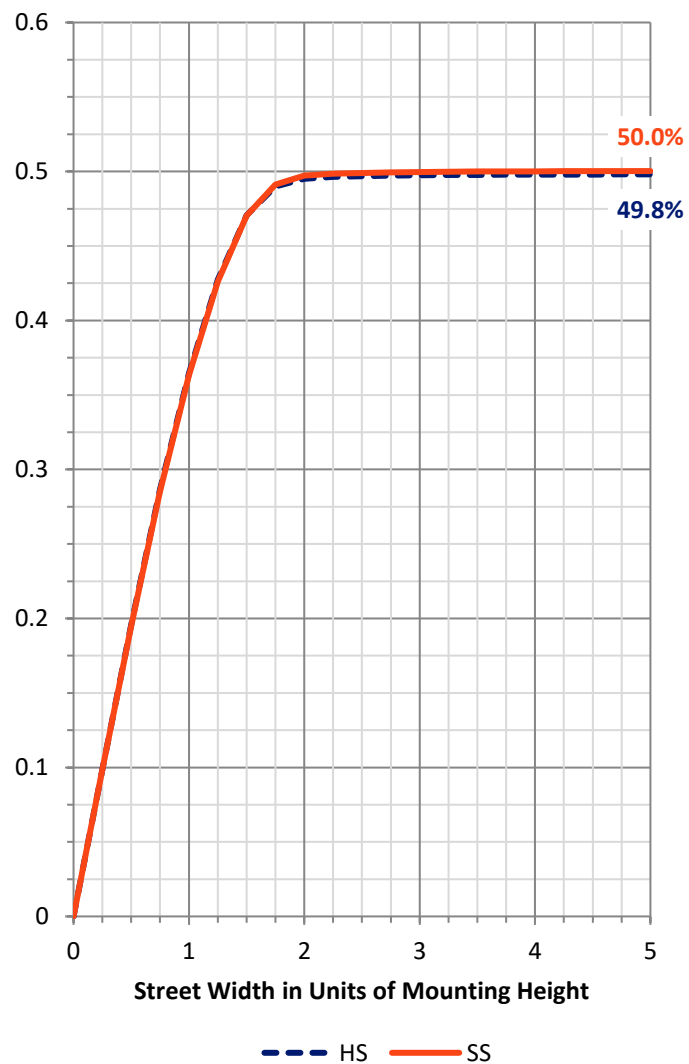
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8805.5	0.0	8805.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8805.5	0.0	8805.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17611.0	0.0	17611.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.0	1.6
10°-20°	846.7	4.8
20°-30°	1533.3	8.7
30°-40°	2843.3	16.1
40°-50°	4667.0	26.5
50°-60°	6012.5	34.1
60°-70°	1325.1	7.5
70°-80°	76.9	0.4
80°-90°	16.2	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°	17611.0	100.0
0°-180°	17611.0	100.0

Coefficient of Utilization



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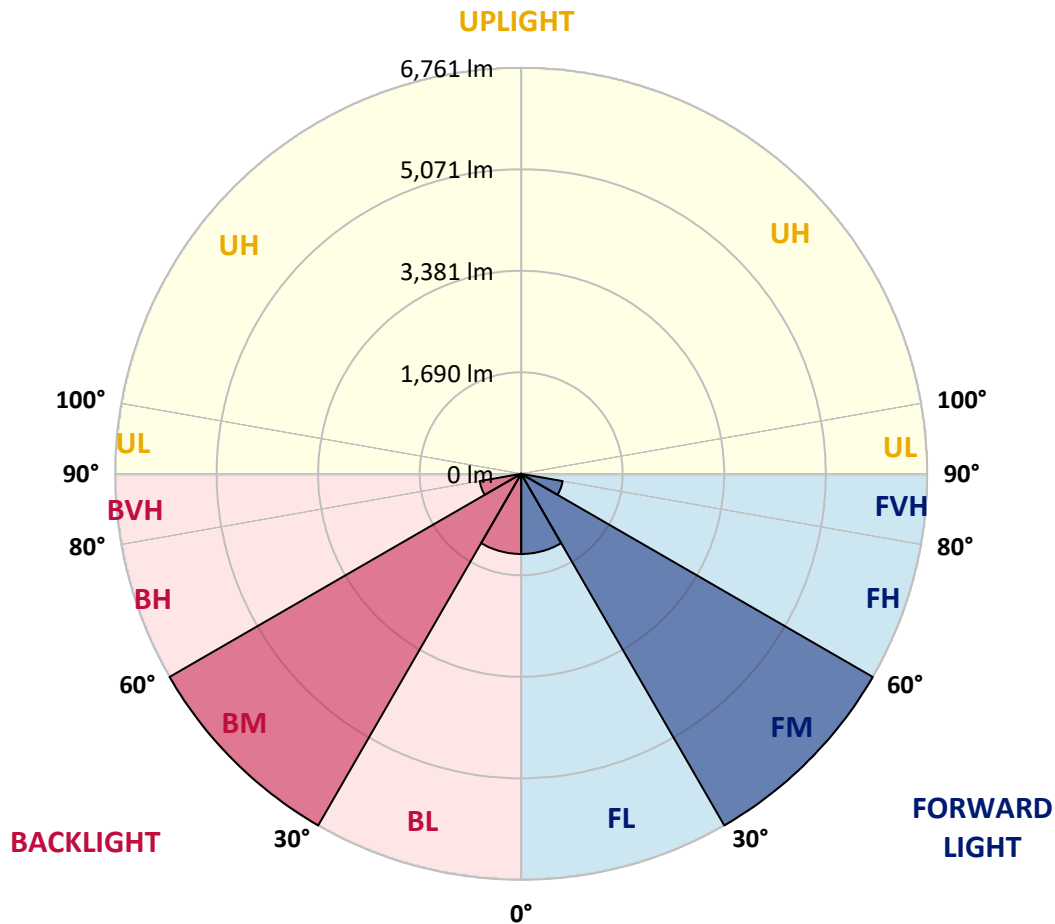
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1335.0	7.6			
FM	(30°-60°)	6761.4	38.4			
FH	(60°-80°)	701.0	4.0			G1/1800
FVH	(80°-90°)	8.1	0.0			G0/10
BL	(0°-30°)	1335.0	7.6	B3/2500		
BM	(30°-60°)	6761.4	38.4	B4/8500		
BH	(60°-80°)	701.0	4.0	B2/1000		G1/1800
BVH	(80°-90°)	8.1	0.0			G0/10
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°	3085.8	3085.8	3085.8	3085.8	3085.8	3085.8	3085.8	3085.8	3085.8	3085.8	3085.8
2.5°	3092.2	3092.2	3095.4	3098.6	3076.3	3066.7	3069.9	3063.5	3060.3	3069.9	3069.9
5°	3082.6	3082.6	3073.1	3076.3	3076.3	3047.5	3047.5	3053.9	3053.9	3034.8	3028.4
7.5°	3057.1	3050.7	3038.0	3053.9	3044.3	3044.3	3022.0	3006.0	2999.7	3012.4	2999.7
10°	3002.9	3006.0	3018.8	3025.2	3018.8	3038.0	2999.7	2977.3	2955.0	2945.4	2945.4
12.5°	2977.3	2996.5	2977.3	2993.3	3015.6	2999.7	2977.3	2961.4	2929.5	2916.7	2916.7
15°	2974.1	2986.9	2993.3	3015.6	3006.0	3012.4	2967.8	2948.6	2900.7	2878.4	2868.8
17.5°	2970.9	2986.9	2996.5	3038.0	3044.3	3047.5	3012.4	2955.0	2913.5	2891.2	2868.8
20°	3006.0	3012.4	3031.6	3073.1	3098.6	3143.3	3079.4	3018.8	2929.5	2903.9	2894.4
22.5°	3050.7	3082.6	3101.8	3146.5	3213.5	3251.8	3168.8	3092.2	2999.7	2967.8	2929.5
25°	3194.3	3187.9	3219.9	3312.4	3366.6	3395.4	3328.4	3216.7	3095.4	3057.1	3063.5
27.5°	3373.0	3379.4	3408.1	3510.2	3590.0	3634.7	3554.9	3408.1	3290.1	3226.2	3219.9
30°	3606.0	3599.6	3631.5	3768.7	3912.3	3979.3	3838.9	3666.6	3551.7	3468.8	3487.9
32.5°	3851.7	3854.9	3944.2	4068.7	4301.6	4432.5	4205.9	3995.3	3823.0	3765.5	3736.8
35°	4215.5	4231.4	4301.6	4493.1	4751.6	4920.7	4671.8	4419.7	4221.9	4116.6	4129.3
37.5°	4665.4	4649.5	4767.6	4975.0	5246.2	5370.7	5160.1	4872.9	4671.8	4601.6	4646.3
40°	5144.1	5160.1	5220.7	5409.0	5712.1	5795.1	5482.4	5326.0	5150.5	5115.4	5169.6
42.5°	5622.8	5613.2	5657.9	5827.0	6047.2	5989.8	5804.7	5712.1	5587.7	5517.5	5590.9
45°	5973.8	5957.8	6040.8	6155.7	6235.5	6127.0	6044.0	6012.1	5948.3	5871.7	5938.7
47.5°	6315.3	6302.5	6382.3	6414.2	6420.6	6277.0	6292.9	6350.4	6190.8	6031.2	6107.8
50°	6605.6	6583.3	6682.2	6752.4	6736.5	6506.7	6564.2	6506.7	6257.8	6069.5	6040.8
52.5°	7090.7	7100.3	7205.6	7333.2	7294.9	7103.5	7020.5	6758.8	6439.7	6270.6	6171.7
55°	7397.0	7349.2	7531.1	7936.3	7981.0	7783.2	7416.2	7030.1	6551.4	6344.0	6318.4
56°	7109.8	7170.5	7457.7	7910.8	8140.6	7958.7	7425.8	6963.1	6436.5	6155.7	6136.5
57.5°	6379.1	6347.2	6736.5	7355.6	7981.0	7904.4	7164.1	6484.4	5871.7	5555.8	5517.5
60°	3969.8	4062.3	4403.8	5169.6	6005.7	6044.0	5310.0	4726.1	4011.3	3730.4	3797.4
62.5°	1554.1	1474.3	1688.1	2259.3	2833.7	2961.4	2683.7	2230.6	1831.7	1554.1	1534.9
65°	360.6	351.0	395.7	545.7	762.7	883.9	839.3	603.1	443.6	421.2	389.3
67.5°	204.2	204.2	194.7	194.7	213.8	226.6	217.0	213.8	223.4	233.0	229.8
70°	143.6	140.4	134.0	137.2	130.8	130.8	140.4	156.4	169.1	169.1	172.3
72.5°	86.2	86.2	86.2	95.7	95.7	95.7	105.3	118.1	121.3	118.1	114.9
75°	38.3	38.3	44.7	54.2	60.6	63.8	73.4	79.8	86.2	79.8	73.4
77.5°	9.6	9.6	16.0	22.3	28.7	35.1	47.9	57.4	60.6	57.4	47.9
80°	3.2	3.2	6.4	16.0	28.7	35.1	47.9	51.1	54.2	47.9	38.3
82.5°	3.2	3.2	6.4	16.0	22.3	28.7	38.3	44.7	47.9	41.5	38.3
85°	0.0	3.2	6.4	12.8	19.1	25.5	25.5	19.1	16.0	9.6	12.8
87.5°	0.0	0.0	3.2	3.2	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)