

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: P652438

Luminaire Tested: **GALN-SA6B-840-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-840-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29277.7 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

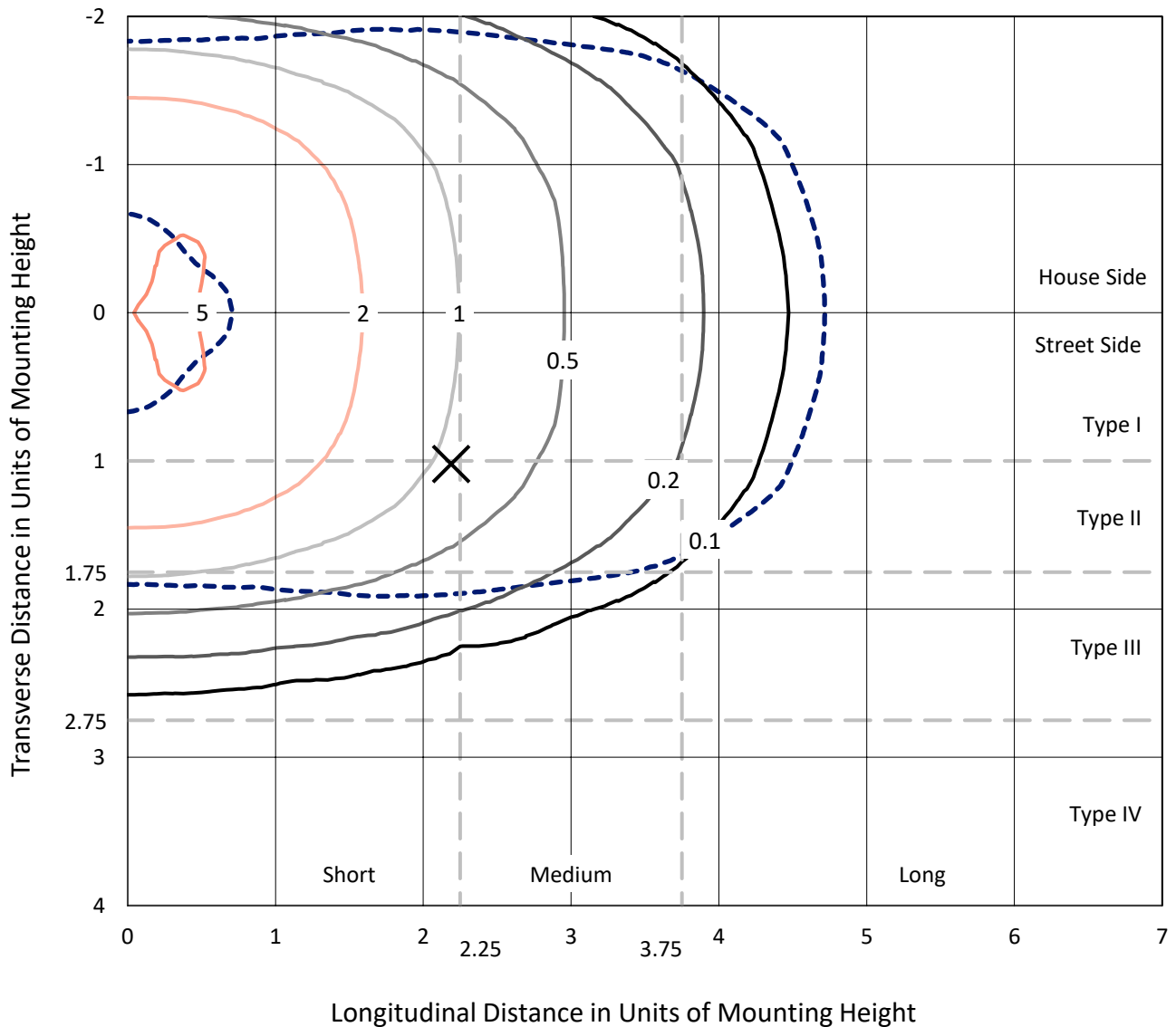
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

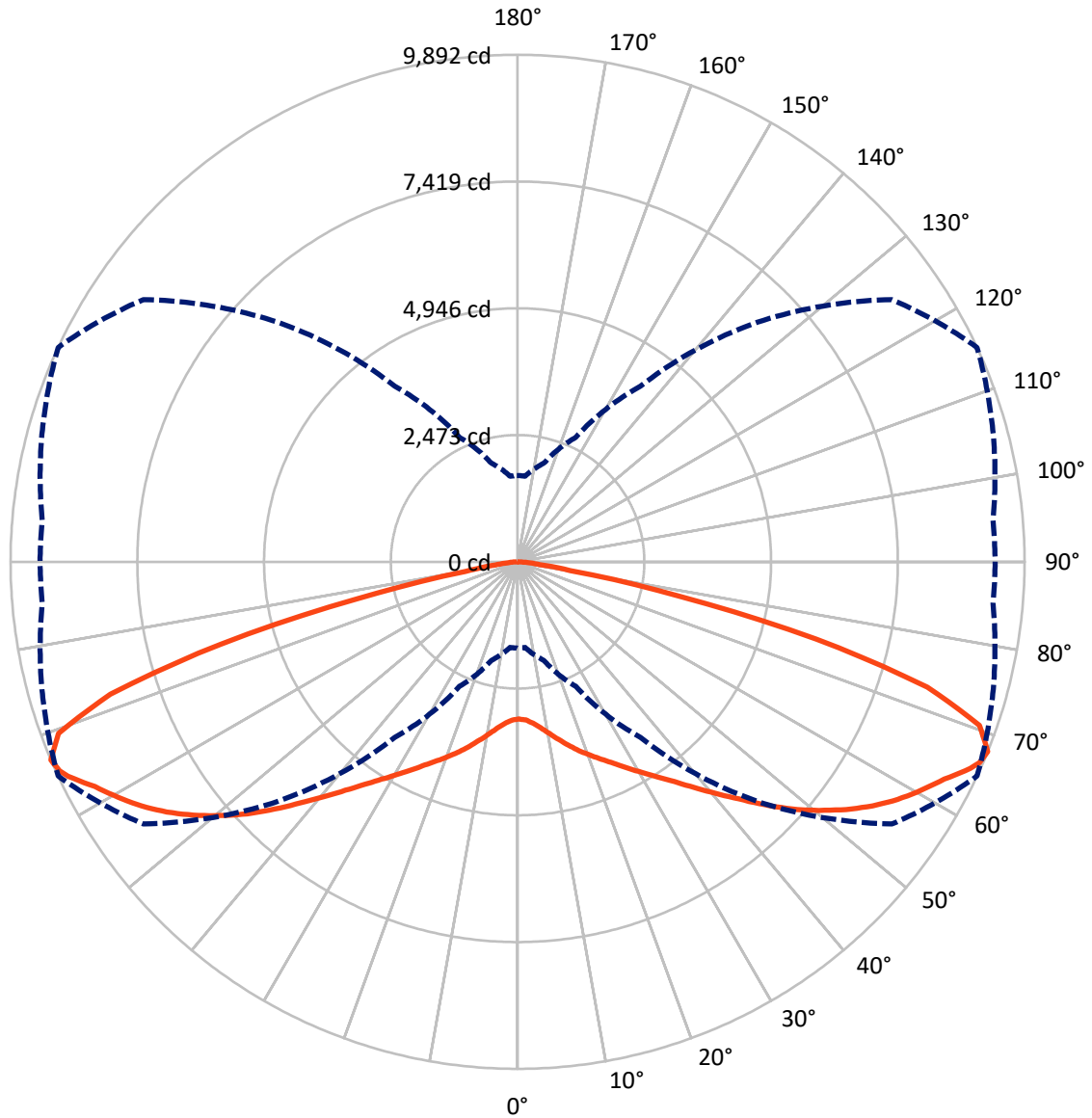
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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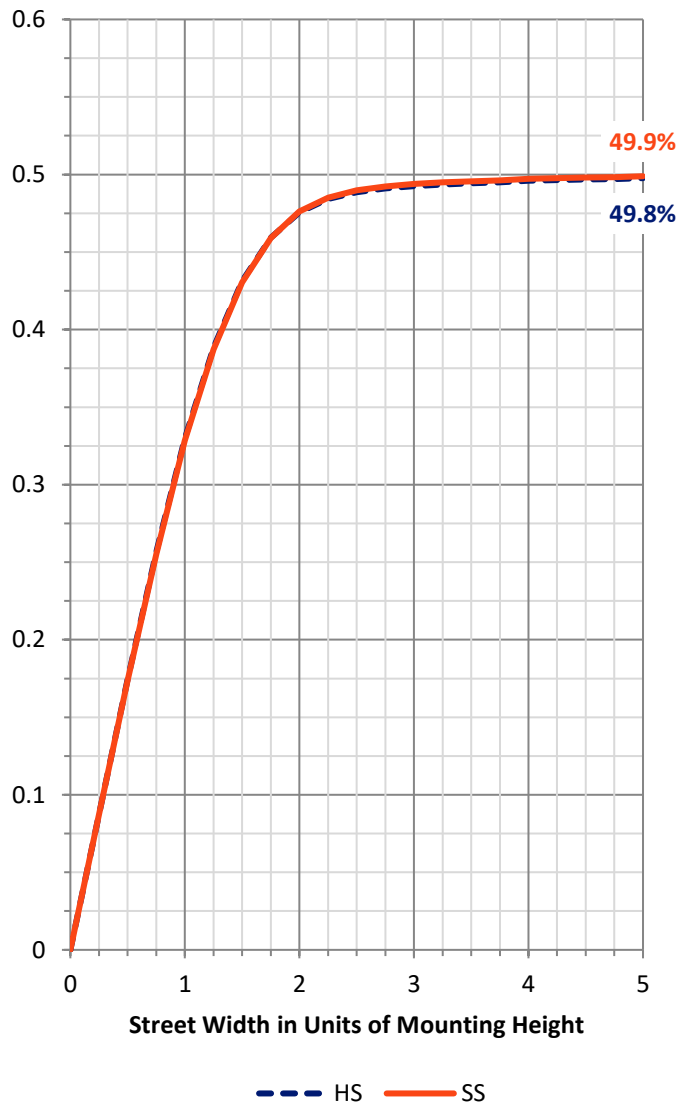
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14638.9	0.0	14638.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14638.9	0.0	14638.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	29277.7	0.0	29277.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.5	1.0
10°-20°	1012.3	3.5
20°-30°	1980.1	6.8
30°-40°	3367.8	11.5
40°-50°	5330.3	18.2
50°-60°	7067.8	24.1
60°-70°	6667.1	22.8
70°-80°	3295.9	11.3
80°-90°	254.0	0.9
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°	29277.7	100.0
0°-180°	29277.7	100.0

Coefficient of Utilization



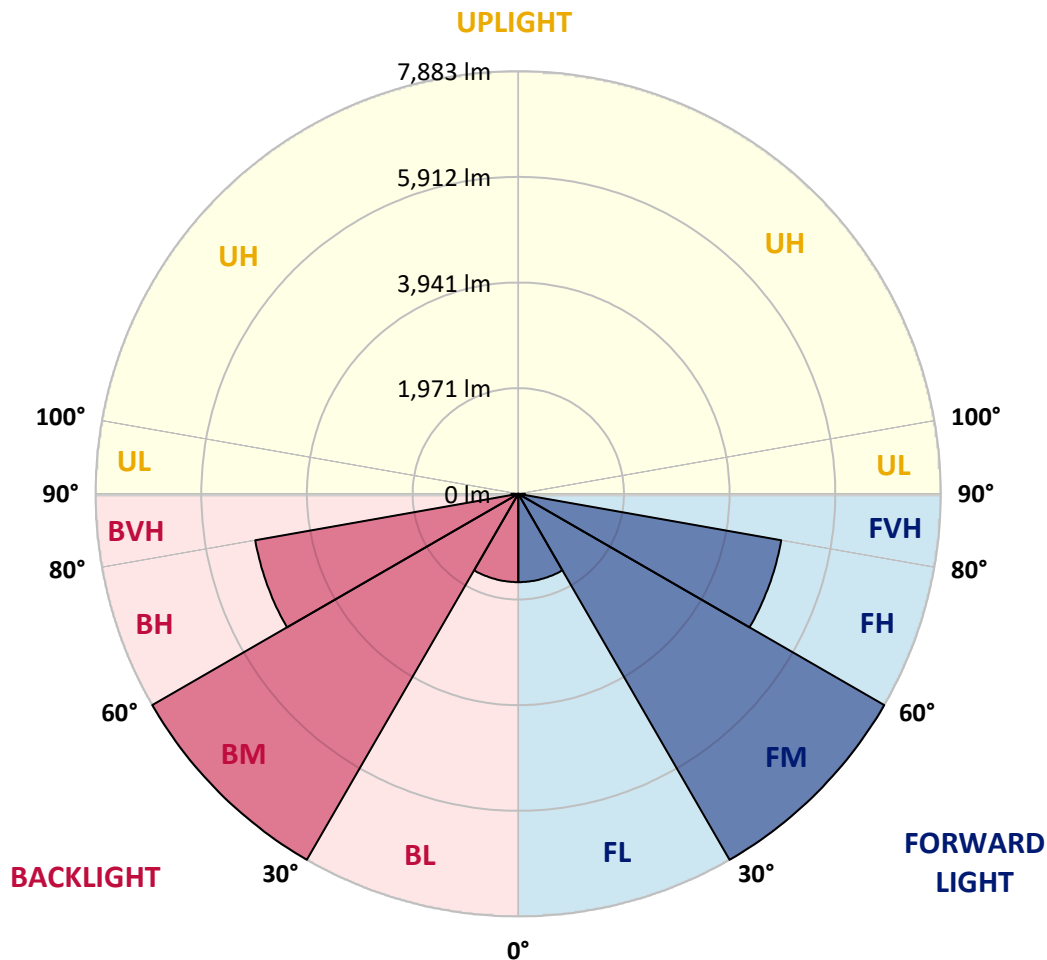
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1647.4	5.6			
FM (30°-60°)	7882.9	26.9			
FH (60°-80°)	4981.5	17.0			G2/5000
FVH (80°-90°)	127.0	0.4			G2/225
BL (0°-30°)	1647.4	5.6	B3/2500		
BM (30°-60°)	7882.9	26.9	B4/8500		
BH (60°-80°)	4981.5	17.0	B4/5000		G4/5000
BVH (80°-90°)	127.0	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3066.6	3066.6	3066.6	3066.6	3066.6	3066.6	3066.6	3066.6	3066.6	3066.6	3066.6
2.5°	3050.9	3054.0	3057.2	3061.9	3068.1	3077.6	3083.9	3088.6	3101.1	3102.7	3101.1
5°	3039.9	3043.1	3050.9	3065.0	3085.4	3113.6	3135.6	3162.2	3182.7	3196.8	3193.6
7.5°	3038.4	3044.6	3057.2	3087.0	3126.2	3174.8	3225.0	3270.5	3309.8	3341.1	3336.4
10°	3063.4	3071.3	3091.7	3135.6	3196.8	3267.4	3337.9	3405.4	3461.9	3502.7	3516.8
12.5°	3105.8	3112.0	3149.7	3215.6	3303.4	3391.2	3471.3	3554.4	3632.9	3701.8	3701.8
15°	3179.5	3190.5	3237.6	3333.2	3441.5	3543.5	3625.0	3712.8	3797.5	3876.0	3899.5
17.5°	3281.5	3297.1	3367.8	3490.1	3628.2	3722.3	3799.1	3871.3	3945.0	4020.3	4031.2
20°	3421.1	3436.7	3530.9	3678.4	3841.4	3954.4	4006.2	4023.4	4059.5	4131.7	4141.1
22.5°	3610.9	3626.6	3731.7	3898.0	4079.9	4202.2	4224.2	4183.4	4174.0	4230.5	4236.8
25°	3825.8	3839.9	3960.7	4139.5	4327.7	4461.1	4454.8	4354.4	4297.9	4332.4	4341.8
27.5°	4067.3	4087.8	4210.0	4395.2	4599.1	4716.7	4697.9	4552.0	4431.2	4425.0	4428.1
30°	4376.3	4398.3	4514.4	4691.6	4892.4	5000.7	4961.4	4765.4	4578.7	4515.9	4515.9
32.5°	4702.6	4757.5	4875.2	5060.3	5217.1	5295.5	5235.9	5000.7	4752.8	4664.9	4660.2
35°	5127.7	5157.5	5273.6	5454.0	5571.6	5632.8	5518.3	5265.8	4980.2	4876.7	4862.6
37.5°	5543.4	5568.5	5703.4	5875.9	6018.7	6015.5	5860.3	5581.0	5262.6	5146.5	5137.1
40°	5968.5	5995.2	6148.9	6307.2	6450.0	6437.4	6249.2	5937.1	5598.3	5468.1	5493.2
42.5°	6337.1	6366.9	6541.0	6766.9	6895.5	6892.3	6674.3	6323.0	5970.0	5853.9	5875.9
45°	6672.7	6699.4	6901.8	7160.6	7348.8	7372.4	7134.0	6762.1	6399.8	6250.8	6257.1
47.5°	6909.7	6959.8	7171.5	7468.0	7723.7	7806.8	7573.1	7209.2	6792.0	6636.7	6646.1
50°	7090.0	7121.3	7351.9	7689.2	8012.4	8184.9	7996.6	7623.3	7184.2	7019.4	7041.4
52.5°	7112.0	7149.6	7400.5	7789.6	8203.7	8465.7	8373.1	8028.0	7584.1	7414.7	7461.8
55°	6933.1	6955.1	7254.7	7726.9	8279.0	8674.2	8697.8	8404.4	7965.3	7836.7	7868.1
57.5°	6423.4	6479.8	6859.4	7433.5	8175.4	8785.7	8940.9	8746.4	8351.1	8224.1	8274.3
60°	5587.3	5643.8	6024.9	6752.7	7784.9	8733.9	9141.8	9049.2	8700.9	8599.0	8625.6
62.5°	4377.9	4373.2	4845.3	5737.9	7008.5	8479.8	9290.7	9340.9	9046.0	8917.4	8958.2
65°	2837.5	2851.7	3308.2	4269.7	5836.7	7833.5	9323.7	9712.7	9384.9	9190.4	9220.1
66°	2282.3	2324.6	2712.1	3598.3	5239.1	7410.0	9224.8	9822.5	9488.4	9253.1	9267.2
67.5°	1684.7	1676.8	1995.3	2679.2	4183.4	6605.3	8915.9	9891.5	9606.0	9309.5	9315.8
70°	961.5	960.0	1072.9	1471.3	2459.5	4650.8	7515.1	9560.5	9844.4	9513.5	9496.2
72.5°	702.7	698.0	713.7	812.5	1199.9	2348.2	5184.2	8355.8	9722.1	9480.5	9431.9
75°	589.8	586.7	583.5	596.1	672.9	1063.5	2751.3	6010.8	8435.8	8898.6	8848.4
77.5°	481.6	481.6	483.2	480.0	483.2	560.0	1140.4	3221.9	5137.1	5734.8	5874.4
80°	376.4	374.9	401.6	390.6	365.5	359.2	505.1	1036.9	1705.0	1695.6	1399.2
82.5°	277.6	258.8	305.9	298.1	269.8	229.0	294.9	442.4	569.4	370.2	274.5
85°	175.7	174.1	216.5	197.6	164.7	108.2	141.2	189.8	235.3	142.7	116.1
87.5°	31.4	29.8	69.0	50.2	50.2	31.4	39.2	51.7	76.9	53.3	39.2
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)