

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: P652546

Luminaire Tested: **GALN-SA8B-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24972.6 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

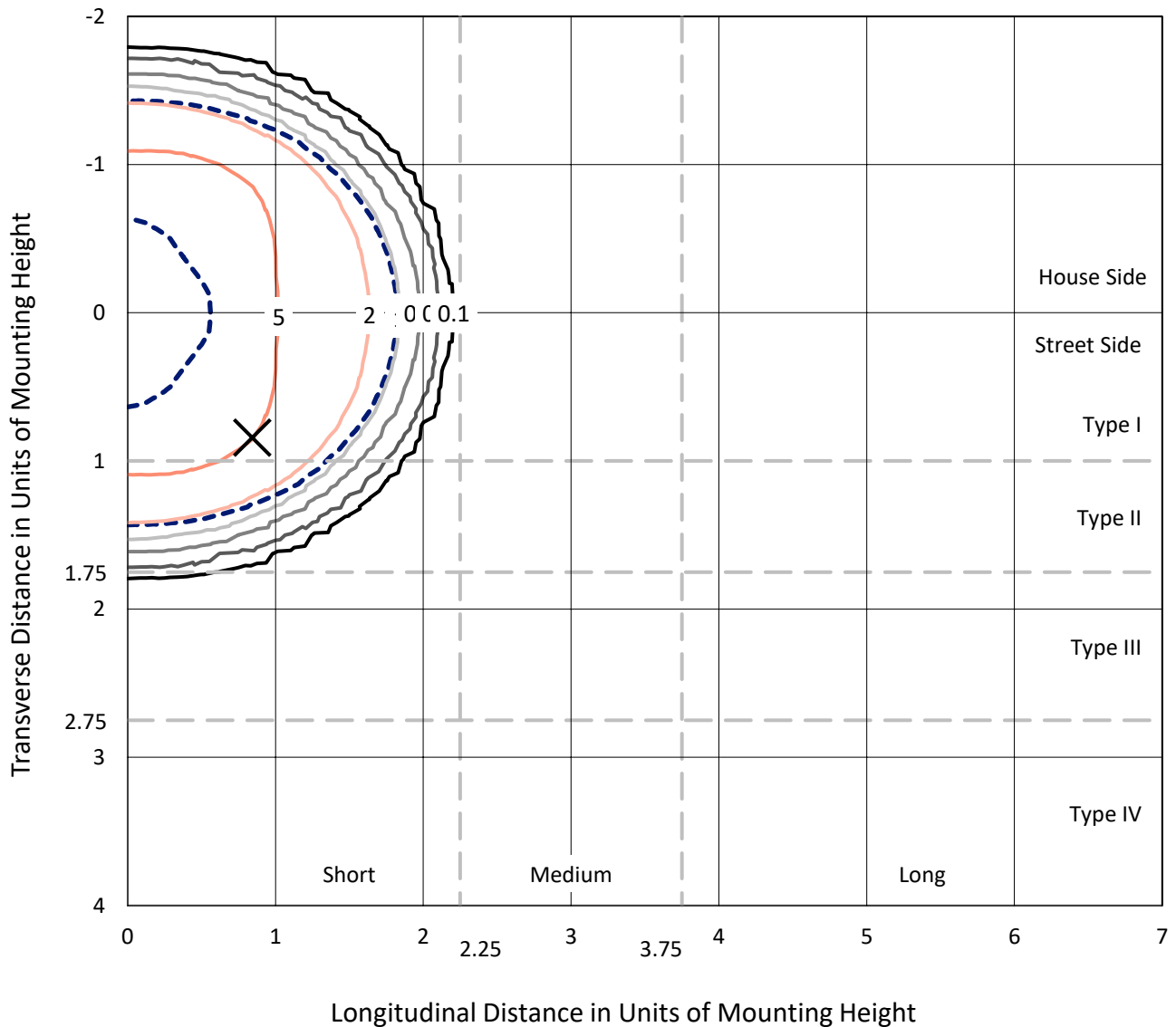
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

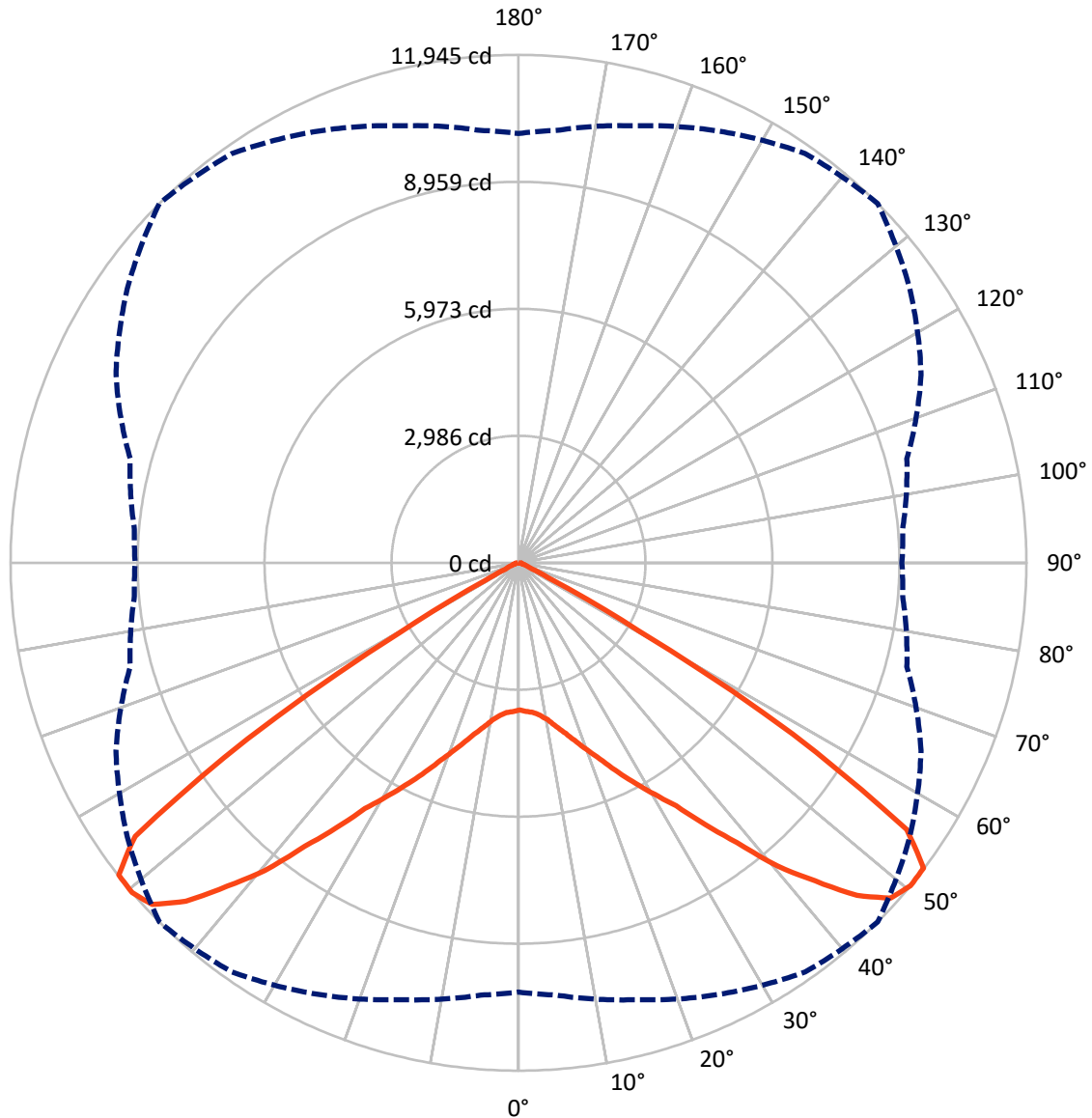
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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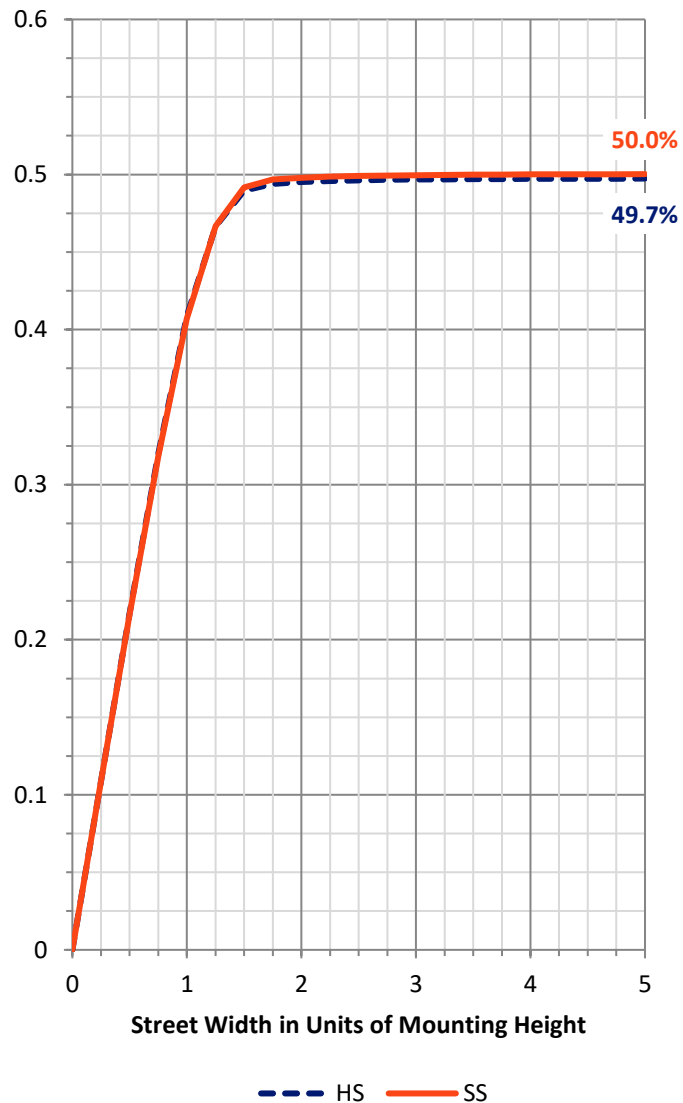
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12486.3	0.0	12486.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12486.3	0.0	12486.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	24972.6	0.0	24972.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.4	1.4
10°-20°	1187.1	4.8
20°-30°	2424.6	9.7
30°-40°	4623.6	18.5
40°-50°	7791.5	31.2
50°-60°	7430.6	29.8
60°-70°	1037.3	4.2
70°-80°	99.2	0.4
80°-90°	34.3	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°	24972.6	100.0
0°-180°	24972.6	100.0

Coefficient of Utilization



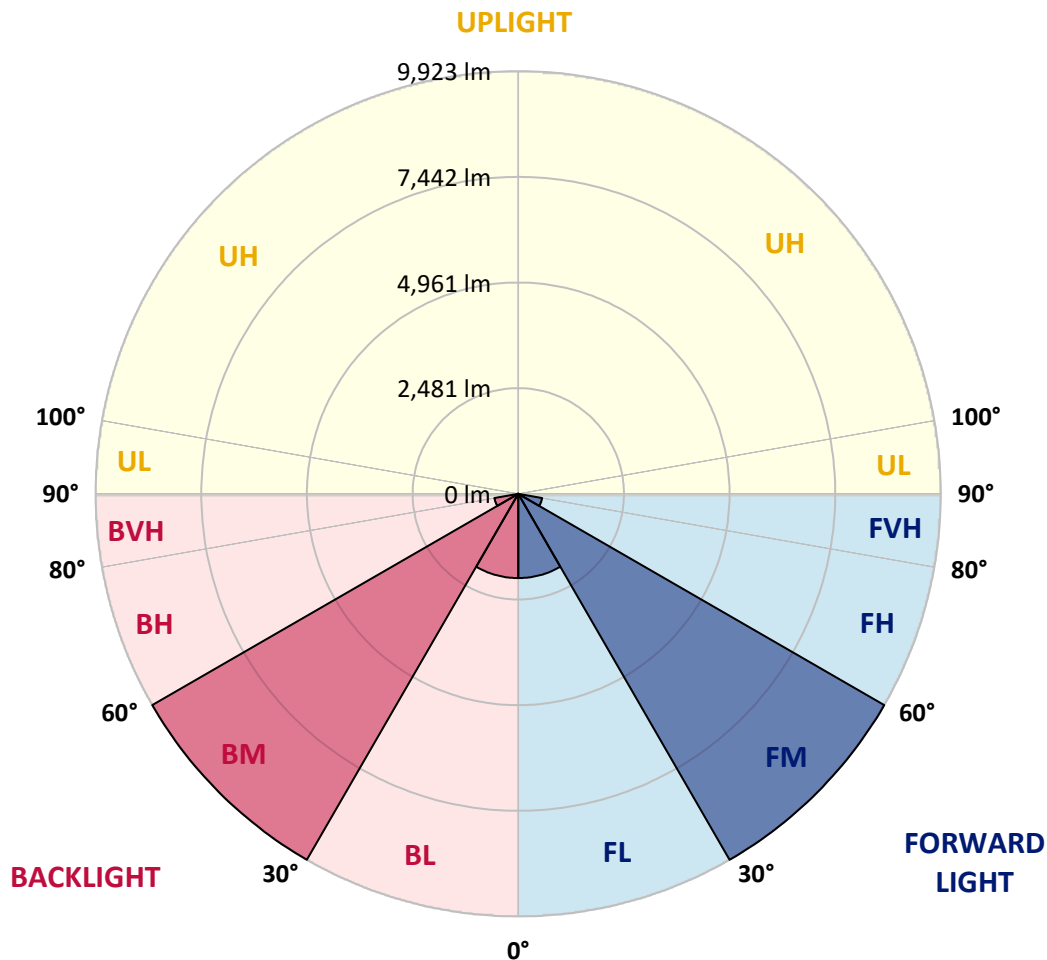
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1978.1	7.9			
FM (30°-60°)	9922.9	39.7			
FH (60°-80°)	568.2	2.3			G0/660
FVH (80°-90°)	17.1	0.1			G1/100
BL (0°-30°)	1978.1	7.9	B3/2500		
BM (30°-60°)	9922.9	39.7	B5		
BH (60°-80°)	568.2	2.3	B2/1000		G0/660
BVH (80°-90°)	17.1	0.1			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°	3462.1	3462.1	3462.1	3462.1	3462.1	3462.1	3462.1	3462.1	3462.1	3462.1	3462.1
2.5°	3449.6	3449.6	3445.4	3479.0	3462.1	3500.0	3495.8	3508.4	3521.0	3516.8	3550.4
5°	3420.2	3416.0	3416.0	3453.8	3491.6	3533.6	3571.4	3596.6	3638.7	3638.7	3680.6
7.5°	3449.6	3428.6	3458.0	3474.8	3546.2	3617.6	3680.6	3731.1	3827.7	3861.4	3848.8
10°	3458.0	3483.2	3504.2	3554.7	3642.9	3752.1	3806.7	3932.8	4042.0	4117.6	4134.4
12.5°	3512.6	3550.4	3609.2	3731.1	3810.9	3953.8	4029.4	4151.3	4302.6	4386.6	4445.4
15°	3617.6	3630.3	3705.9	3861.4	4033.6	4163.9	4281.5	4369.8	4516.8	4613.5	4617.7
17.5°	3752.1	3806.7	3911.7	4058.8	4239.5	4432.7	4525.2	4621.9	4676.5	4806.7	4836.2
20°	4021.0	4029.4	4130.2	4323.5	4550.4	4726.9	4794.1	4844.5	4823.6	4957.9	4983.2
22.5°	4273.1	4281.5	4407.6	4668.1	4911.8	5063.0	5092.4	5063.0	5000.0	5096.6	5105.0
25°	4529.4	4605.1	4697.5	4957.9	5260.5	5462.2	5466.4	5386.5	5256.3	5273.1	5315.1
27.5°	4928.6	4983.2	5079.8	5319.3	5651.3	5878.2	5840.3	5743.7	5575.7	5588.2	5575.7
30°	5394.9	5445.4	5525.2	5831.9	6075.6	6323.6	6378.1	6285.7	6033.6	5979.0	6042.0
32.5°	5958.0	6029.4	6176.5	6458.0	6663.8	6815.1	6853.0	6819.3	6584.0	6563.0	6605.0
35°	6642.9	6739.5	6873.9	7121.8	7289.9	7563.0	7563.0	7449.6	7235.3	7260.5	7256.3
37.5°	7365.6	7508.4	7718.4	7970.6	8197.5	8344.6	8298.3	8201.7	7987.4	7932.7	7987.4
40°	8273.1	8344.6	8609.2	8937.0	9214.2	9382.4	9184.9	8974.8	8462.1	8542.0	8689.0
42.5°	9100.8	9214.2	9416.0	9777.3	10092.4	10231.1	9995.8	9579.8	8962.2	8899.1	9008.4
45°	9806.7	9928.6	10193.3	10710.1	11042.0	11163.9	10642.9	9970.6	9264.7	9105.0	9151.3
47.5°	10277.3	10340.3	10710.1	11201.7	11504.2	11781.5	11033.6	10239.5	9407.6	9105.0	9088.3
50°	10096.6	10205.9	10638.6	11197.5	11747.9	11945.4	11231.1	10445.4	9453.8	9067.2	9016.8
52.5°	8966.4	9155.5	9638.6	10390.7	11222.7	11928.6	11504.2	10378.1	9436.9	9105.0	9180.7
55°	6239.5	6243.7	6831.9	7941.1	9411.8	11075.6	11105.1	10453.8	9546.2	9340.3	9344.5
57.5°	2508.4	2634.4	3084.0	4197.5	5554.6	7605.1	9042.0	9697.5	9558.8	9508.4	9638.6
60°	634.5	638.7	777.3	1184.9	1953.8	3260.5	4735.3	6407.6	7378.2	7710.1	7756.3
62.5°	323.5	327.7	361.4	420.2	533.6	874.0	1554.6	2466.4	3508.4	4037.8	4176.5
65°	264.7	264.7	285.7	315.1	319.3	336.1	403.3	575.7	836.1	949.6	962.2
67.5°	201.7	201.7	218.5	235.3	243.7	239.5	231.1	239.5	289.9	277.3	268.9
70°	126.1	130.3	138.7	155.5	163.8	168.0	172.2	180.6	205.9	214.3	205.9
72.5°	75.6	75.6	79.8	92.4	105.0	113.5	126.1	134.5	147.1	168.0	163.8
75°	33.6	33.6	42.0	54.6	67.2	79.8	92.4	105.0	113.5	126.1	130.3
77.5°	8.4	12.6	21.0	37.8	50.5	67.2	84.0	96.6	105.0	105.0	100.8
80°	4.2	4.2	16.8	29.4	54.6	71.4	92.4	100.8	113.5	105.0	92.4
82.5°	4.2	4.2	16.8	29.4	50.5	71.4	96.6	109.2	117.7	105.0	88.2
85°	0.0	4.2	12.6	25.2	42.0	50.5	42.0	29.4	16.8	16.8	12.6
87.5°	0.0	0.0	4.2	4.2	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)