

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: P648531

Luminaire Tested: **GALN-SA7B-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648531
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-SA7B-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 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: 20055 lumens
Efficiency: N/A
Efficacy: 70.1 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

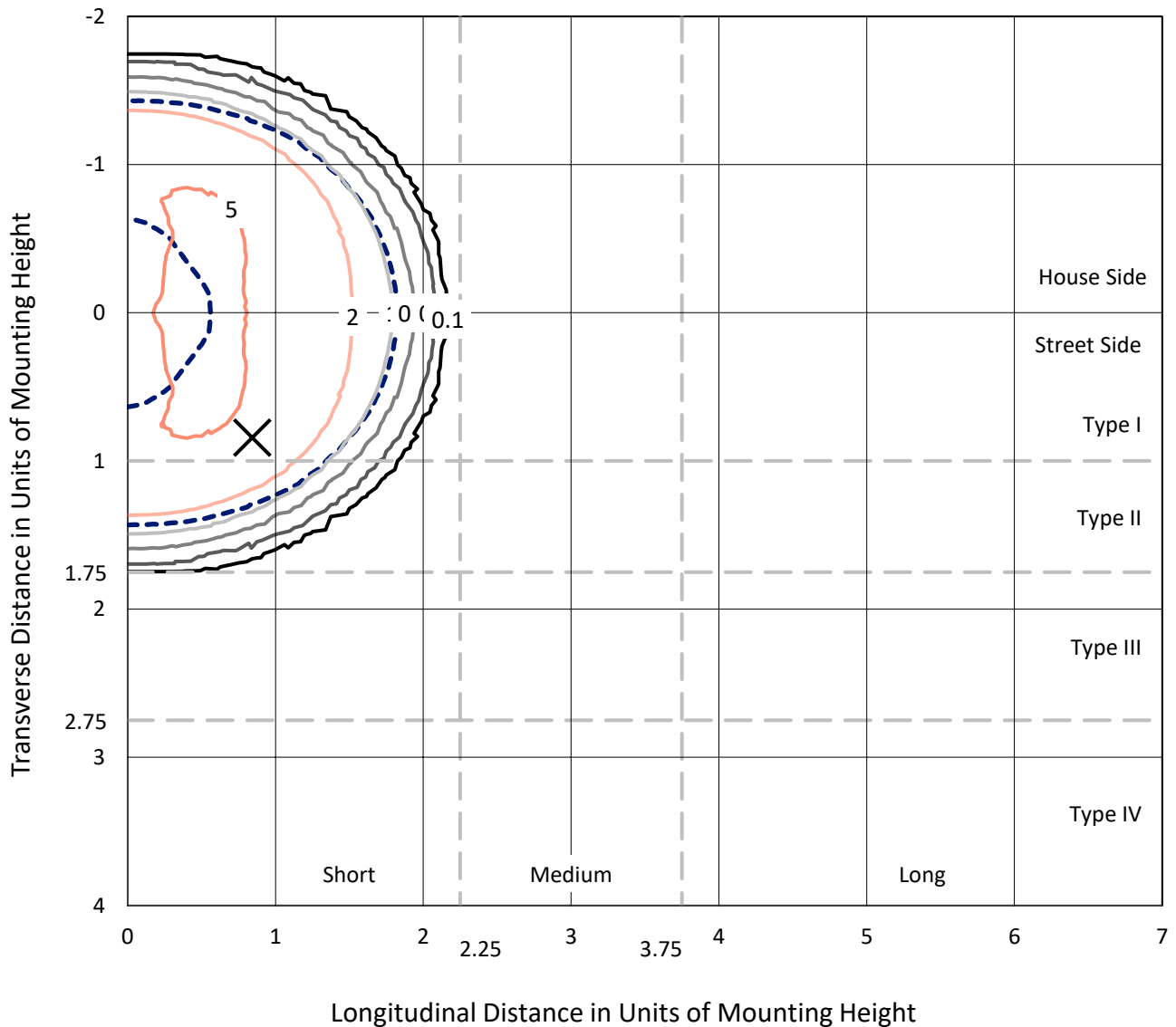
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

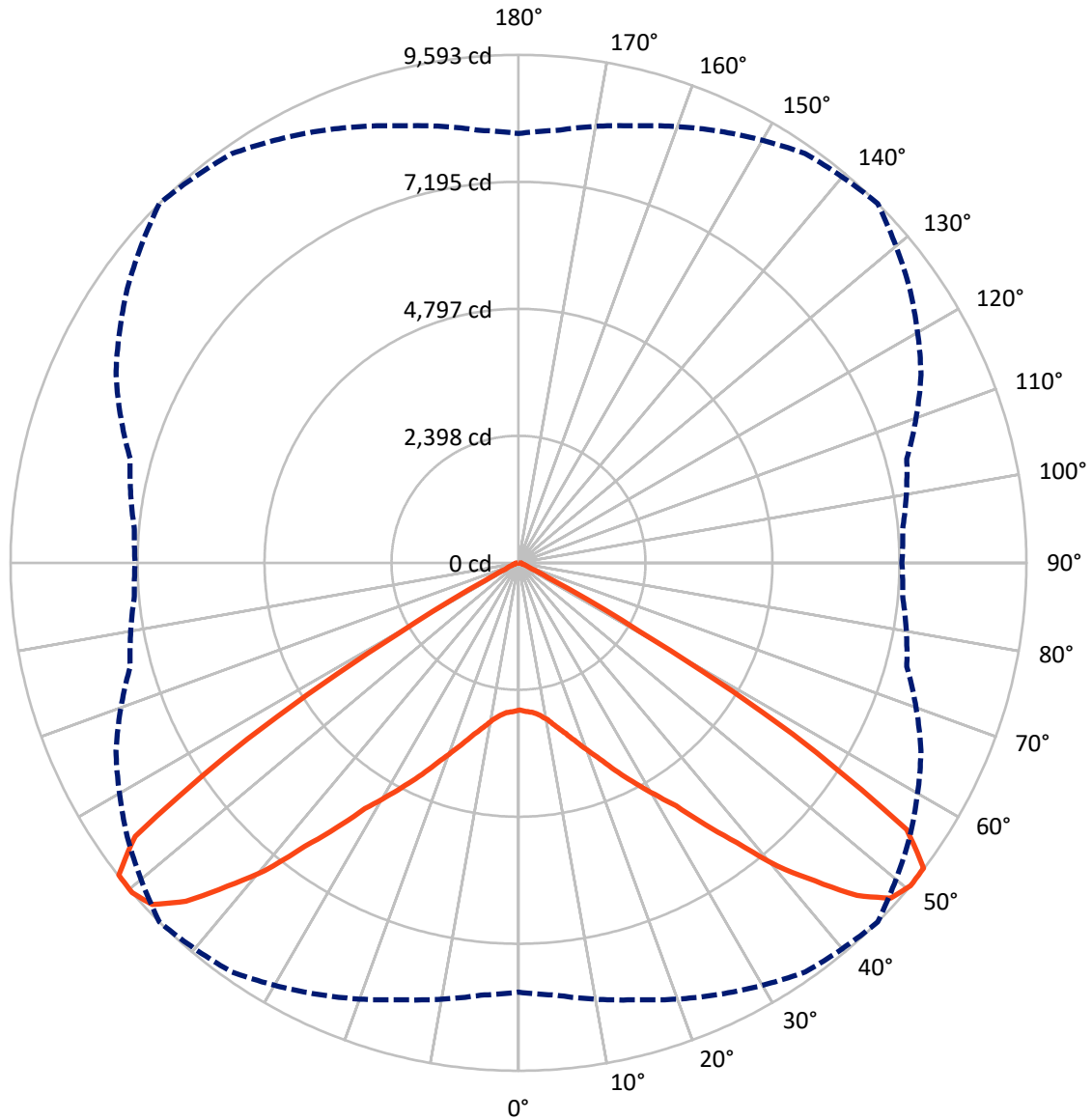
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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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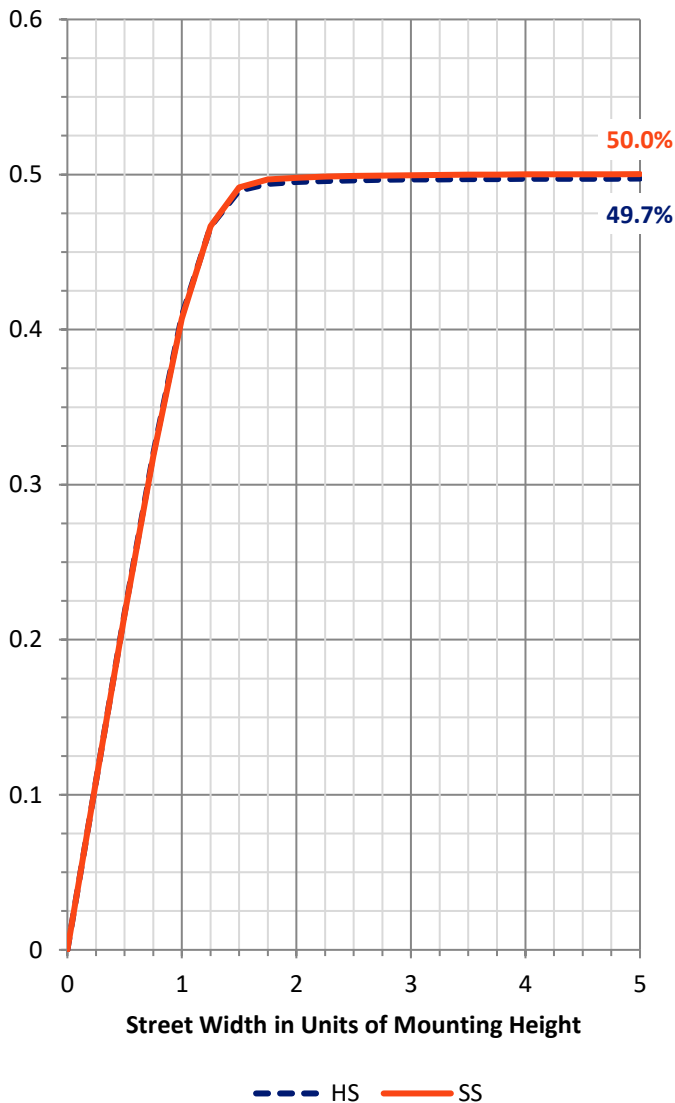
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10027.5	0.0	10027.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10027.5	0.0	10027.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20055.0	0.0	20055.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.6	1.4
10°-20°	953.3	4.8
20°-30°	1947.1	9.7
30°-40°	3713.1	18.5
40°-50°	6257.2	31.2
50°-60°	5967.4	29.8
60°-70°	833.0	4.2
70°-80°	79.7	0.4
80°-90°	27.5	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°	20055.0	100.0
0°-180°	20055.0	100.0

Coefficient of Utilization

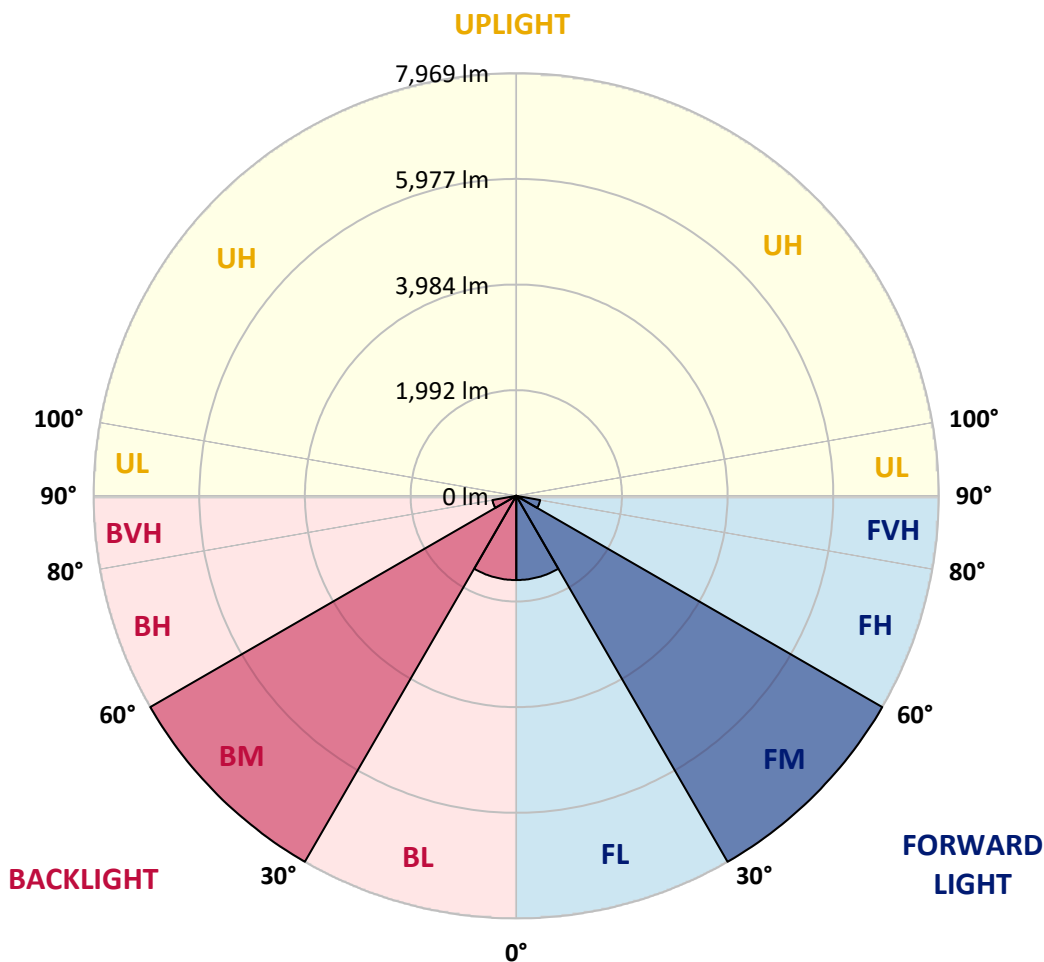


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1588.5	7.9			
FM (30°-60°)	7968.8	39.7			
FH (60°-80°)	456.3	2.3			G0/660
FVH (80°-90°)	13.8	0.1			G1/100
BL (0°-30°)	1588.5	7.9	B3/2500		
BM (30°-60°)	7968.8	39.7	B4/8500		
BH (60°-80°)	456.3	2.3	B1/500		G0/660
BVH (80°-90°)	13.8	0.1			G1/100
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°	2780.4	2780.4	2780.4	2780.4	2780.4	2780.4	2780.4	2780.4	2780.4	2780.4	2780.4
2.5°	2770.3	2770.3	2766.9	2793.9	2780.4	2810.7	2807.4	2817.5	2827.6	2824.3	2851.3
5°	2746.7	2743.3	2743.3	2773.6	2804.0	2837.7	2868.1	2888.4	2922.2	2922.2	2955.9
7.5°	2770.3	2753.4	2777.1	2790.5	2847.8	2905.2	2955.9	2996.4	3074.0	3101.0	3090.8
10°	2777.1	2797.3	2814.2	2854.7	2925.5	3013.2	3057.1	3158.3	3246.1	3306.8	3320.3
12.5°	2820.9	2851.3	2898.5	2996.4	3060.4	3175.2	3235.9	3333.8	3455.2	3522.7	3570.0
15°	2905.2	2915.3	2976.1	3101.0	3239.3	3343.9	3438.4	3509.2	3627.3	3704.9	3708.4
17.5°	3013.2	3057.1	3141.5	3259.6	3404.6	3559.8	3634.1	3711.7	3755.6	3860.2	3883.8
20°	3229.2	3235.9	3316.9	3472.1	3654.3	3796.1	3850.0	3890.6	3873.7	3981.6	4001.9
22.5°	3431.7	3438.4	3539.6	3748.8	3944.5	4066.0	4089.6	4066.0	4015.4	4093.0	4099.7
25°	3637.5	3698.2	3772.4	3981.6	4224.6	4386.5	4390.0	4325.8	4221.2	4234.7	4268.4
27.5°	3958.0	4001.9	4079.5	4271.8	4538.4	4720.6	4690.2	4612.7	4477.7	4487.8	4477.7
30°	4332.6	4373.1	4437.2	4683.5	4879.2	5078.3	5122.2	5047.9	4845.4	4801.6	4852.2
32.5°	4784.8	4842.1	4960.1	5186.3	5351.6	5473.1	5503.5	5476.5	5287.5	5270.6	5304.4
35°	5334.7	5412.3	5520.3	5719.4	5854.3	6073.7	6073.7	5982.6	5810.5	5830.8	5827.4
37.5°	5915.1	6029.8	6198.5	6401.0	6583.2	6701.3	6664.2	6586.6	6414.5	6370.6	6414.5
40°	6643.9	6701.3	6913.9	7177.1	7399.8	7534.7	7376.2	7207.4	6795.8	6859.9	6978.0
42.5°	7308.7	7399.8	7561.7	7851.9	8105.0	8216.3	8027.4	7693.4	7197.3	7146.7	7234.5
45°	7875.6	7973.4	8186.0	8601.0	8867.6	8965.4	8547.1	8007.1	7440.3	7312.0	7349.2
47.5°	8253.4	8304.1	8601.0	8995.8	9238.8	9461.5	8860.8	8223.1	7555.0	7312.0	7298.6
50°	8108.4	8196.1	8543.6	8992.4	9434.4	9593.1	9019.5	8388.4	7592.1	7281.7	7241.2
52.5°	7200.7	7352.5	7740.6	8344.6	9012.7	9579.5	9238.8	8334.5	7578.7	7312.0	7372.8
55°	5010.8	5014.2	5486.6	6377.4	7558.4	8894.6	8918.2	8395.2	7666.4	7501.0	7504.4
57.5°	2014.4	2115.7	2476.7	3370.9	4460.8	6107.4	7261.5	7787.8	7676.5	7636.0	7740.6
60°	509.5	512.9	624.2	951.6	1569.1	2618.4	3802.8	5145.8	5925.2	6191.8	6228.9
62.5°	259.8	263.2	290.2	337.4	428.5	701.9	1248.5	1980.7	2817.5	3242.7	3354.1
65°	212.6	212.6	229.4	253.1	256.4	270.0	323.9	462.3	671.5	762.6	772.7
67.5°	162.0	162.0	175.5	188.9	195.7	192.3	185.6	192.3	232.8	222.7	216.0
70°	101.2	104.6	111.3	124.8	131.6	135.0	138.4	145.1	165.4	172.1	165.4
72.5°	60.8	60.8	64.1	74.2	84.3	91.1	101.2	108.0	118.1	135.0	131.6
75°	27.0	27.0	33.7	43.8	54.0	64.1	74.2	84.3	91.1	101.2	104.6
77.5°	6.7	10.1	16.8	30.4	40.5	54.0	67.5	77.6	84.3	84.3	81.0
80°	3.4	3.4	13.5	23.6	43.8	57.4	74.2	81.0	91.1	84.3	74.2
82.5°	3.4	3.4	13.5	23.6	40.5	57.4	77.6	87.7	94.5	84.3	70.9
85°	0.0	3.4	10.1	20.3	33.7	40.5	33.7	23.6	13.5	13.5	10.1
87.5°	0.0	0.0	3.4	3.4	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)