

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: P648112

Luminaire Tested: **GALN-SA8A-835-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-835-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28863.7 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

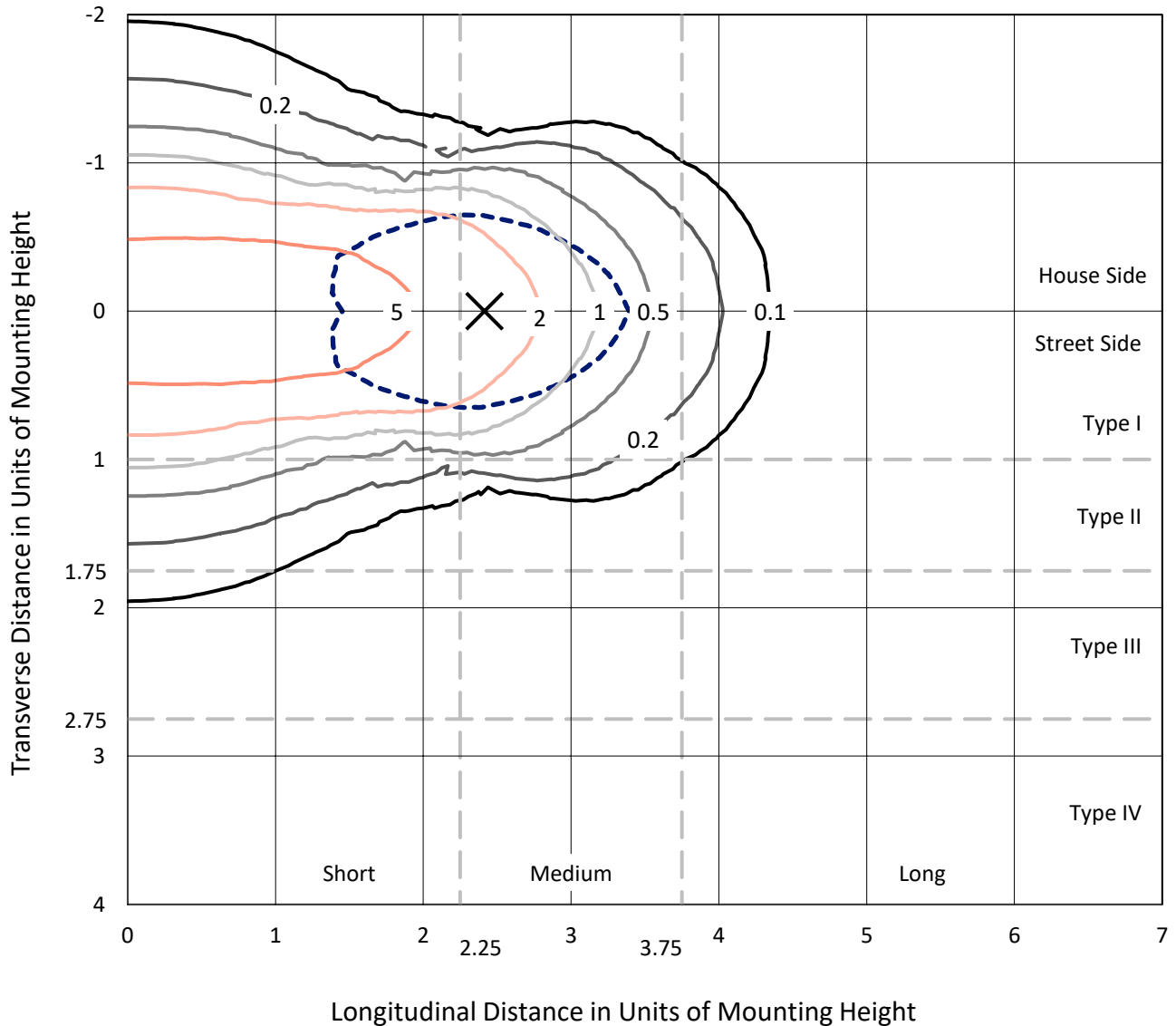
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

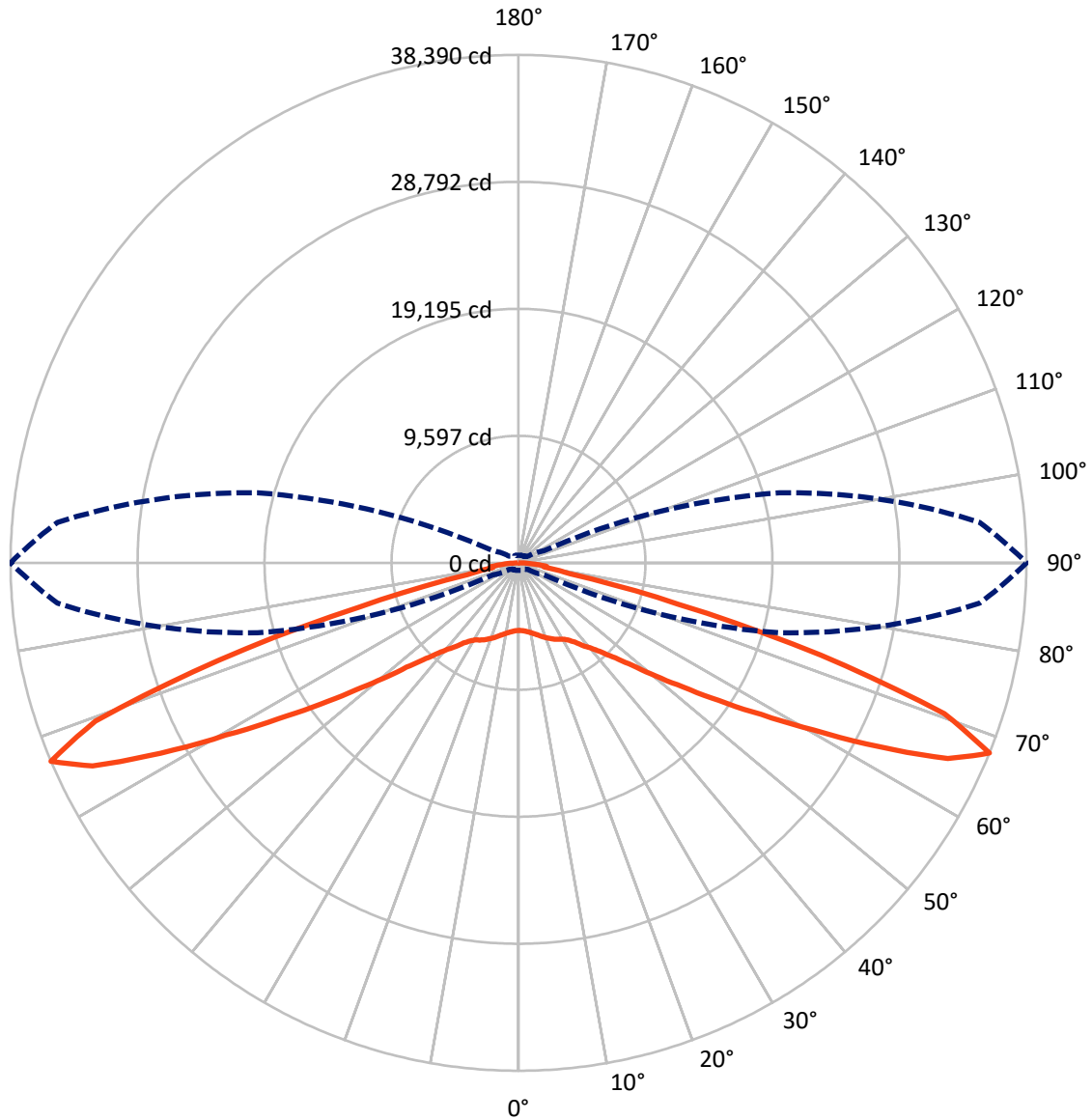
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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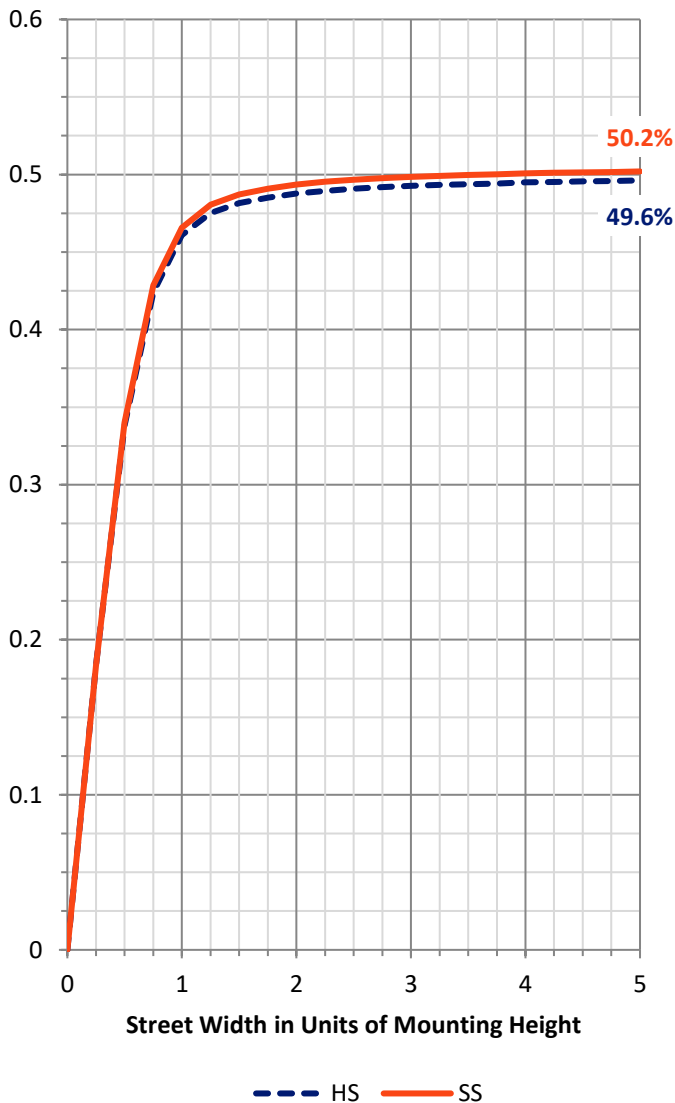
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14431.9	0.0	14431.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14431.9	0.0	14431.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	28863.7	0.0	28863.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.4	1.8
10°-20°	1629.9	5.6
20°-30°	2728.1	9.5
30°-40°	3695.9	12.8
40°-50°	4681.4	16.2
50°-60°	5848.3	20.3
60°-70°	6874.4	23.8
70°-80°	2629.8	9.1
80°-90°	266.4	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°	28863.7	100.0
0°-180°	28863.7	100.0

Coefficient of Utilization

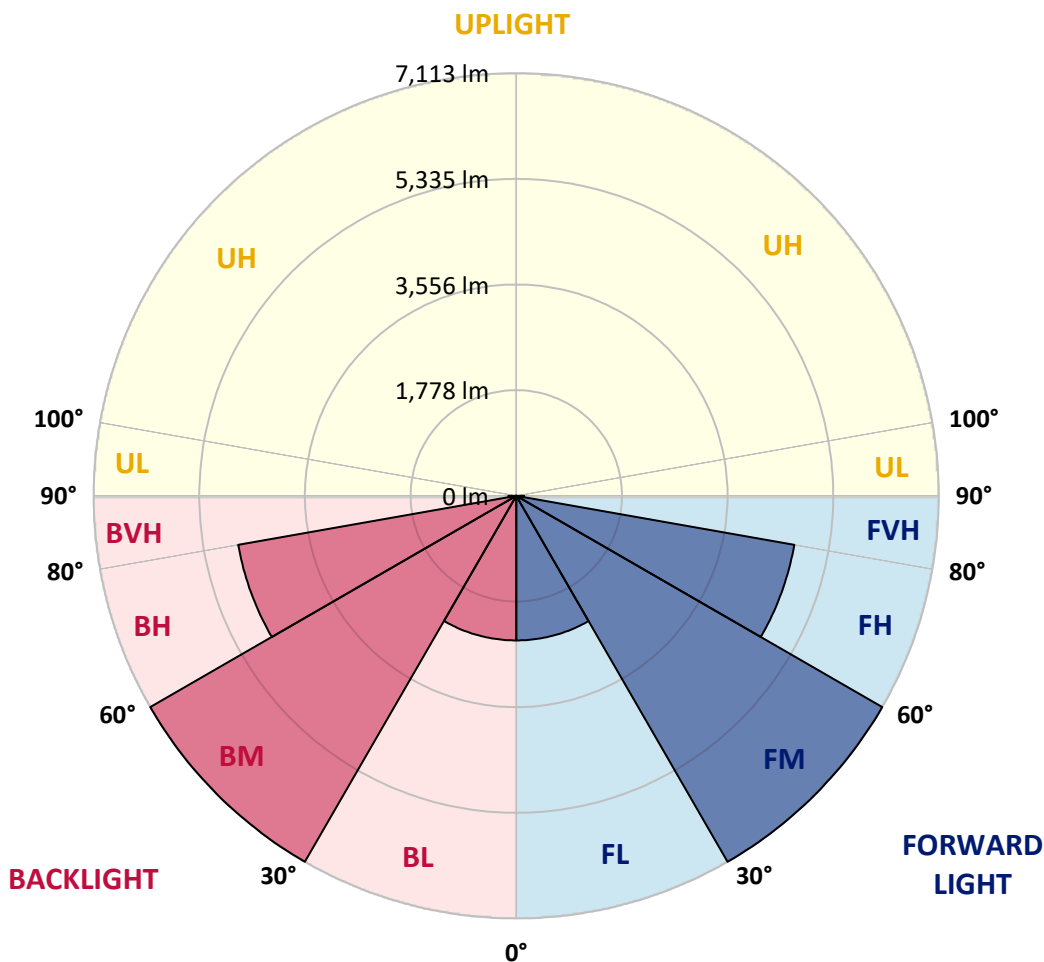


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2433.8	8.4			
FM (30°-60°)	7112.8	24.6			
FH (60°-80°)	4752.1	16.5			G2/5000
FVH (80°-90°)	133.2	0.5			G2/225
BL (0°-30°)	2433.8	8.4	B3/2500		
BM (30°-60°)	7112.8	24.6	B4/8500		
BH (60°-80°)	4752.1	16.5	B4/5000		G4/5000
BVH (80°-90°)	133.2	0.5			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 I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5109.8	5109.8	5109.8	5109.8	5109.8	5109.8	5109.8	5109.8	5109.8	5109.8	5109.8
2.5°	5175.3	5172.1	5173.7	5172.1	5176.9	5173.7	5154.6	5138.5	5125.8	5127.4	5122.5
5°	5285.6	5287.2	5288.8	5280.8	5292.0	5285.6	5255.3	5229.7	5204.1	5194.5	5191.3
7.5°	5376.7	5384.7	5389.5	5397.5	5416.6	5416.6	5400.7	5363.9	5308.0	5276.0	5274.4
10°	5467.8	5474.2	5488.6	5514.1	5546.1	5576.4	5570.1	5520.5	5448.6	5394.2	5381.5
12.5°	5499.8	5507.8	5555.7	5629.2	5701.2	5760.3	5760.3	5720.4	5627.7	5544.5	5520.5
15°	5387.9	5402.2	5488.6	5645.2	5833.8	5963.2	5992.1	5936.1	5837.0	5709.2	5680.4
17.5°	5165.7	5200.9	5327.1	5558.9	5872.2	6140.7	6223.8	6196.7	6068.8	5905.7	5872.2
20°	4927.6	4965.9	5100.2	5407.1	5840.2	6244.6	6485.9	6492.3	6334.1	6097.5	6048.0
22.5°	4665.4	4694.2	4866.8	5226.4	5744.3	6268.5	6711.2	6821.6	6607.4	6289.3	6219.0
25°	4371.3	4403.4	4583.9	4972.4	5563.7	6241.4	6917.5	7160.4	6893.5	6493.9	6404.4
27.5°	4090.1	4102.8	4296.2	4691.0	5325.6	6171.1	7069.3	7472.1	7209.9	6663.3	6549.9
30°	3819.9	3850.3	4021.3	4411.3	5052.2	6033.6	7200.4	7826.9	7550.4	6840.8	6695.3
32.5°	3533.8	3570.6	3756.1	4150.8	4779.0	5827.4	7280.3	8215.3	8025.1	7128.4	6973.4
35°	3258.9	3282.9	3469.9	3853.5	4512.0	5587.6	7294.7	8653.2	8637.3	7564.8	7358.6
37.5°	2977.7	3012.8	3201.4	3569.0	4229.1	5333.6	7222.7	9118.3	9375.6	8170.5	7948.4
40°	2707.5	2737.9	2923.3	3294.1	3907.9	5023.5	7051.7	9543.4	10237.2	8793.9	8479.0
42.5°	2413.4	2421.4	2624.4	3001.6	3593.0	4663.9	6805.6	9922.3	11197.7	9629.8	9238.2
45°	2079.4	2100.2	2288.8	2659.6	3231.8	4261.1	6471.5	10235.5	12415.6	10788.6	10254.7
47.5°	1745.4	1762.9	1935.6	2301.6	2837.0	3799.2	5956.9	10510.4	13665.5	12260.6	11560.5
50°	1419.3	1428.9	1569.5	1894.0	2392.7	3313.3	5319.2	10598.4	15078.4	14344.8	13451.3
52.5°	1122.0	1136.4	1243.5	1497.6	1918.0	2739.5	4630.3	10381.0	16727.9	16815.8	15556.3
55°	909.5	914.2	994.2	1181.2	1499.2	2138.5	3799.2	9775.2	18502.0	19982.0	18375.7
57.5°	783.2	786.4	831.2	935.0	1154.0	1612.7	2947.3	8629.2	20095.5	23691.7	21626.6
60°	711.3	712.8	738.4	799.1	914.2	1237.1	2111.4	7011.8	21668.2	27820.1	25667.1
62.5°	666.5	666.5	684.1	717.6	773.6	949.4	1529.6	5058.6	22745.4	32009.3	30647.5
65°	623.3	623.3	636.1	660.1	690.4	776.8	1130.0	3298.9	22718.3	35060.4	35656.6
67.5°	573.8	573.8	583.4	607.4	624.9	668.1	872.7	2160.9	20407.2	34993.3	38389.7
70°	514.7	514.7	527.4	548.3	562.6	589.8	688.9	1478.5	14992.1	29878.7	34141.4
72.5°	455.5	457.1	465.1	485.9	497.0	513.0	572.2	1035.7	9196.6	20344.8	23872.3
75°	390.0	393.1	401.2	422.0	431.5	437.9	482.7	738.4	4652.7	10969.1	12489.2
77.5°	314.8	321.3	326.0	348.4	354.9	364.4	398.0	533.8	2042.6	3941.4	3976.5
80°	230.1	238.1	252.5	273.3	278.1	284.5	303.6	378.8	925.4	1799.7	1954.8
82.5°	169.4	180.6	163.0	190.2	190.2	182.2	214.2	254.2	425.2	1782.1	2132.1
85°	92.7	94.3	84.7	97.5	103.9	102.3	113.5	124.7	206.2	1189.1	1225.9
87.5°	22.4	24.0	25.6	30.4	36.7	36.7	39.9	35.2	67.1	385.2	220.6
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)