

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: P652457

Luminaire Tested: **GALN-SA6B-840-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652457
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-SA6B-840-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28327.4 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

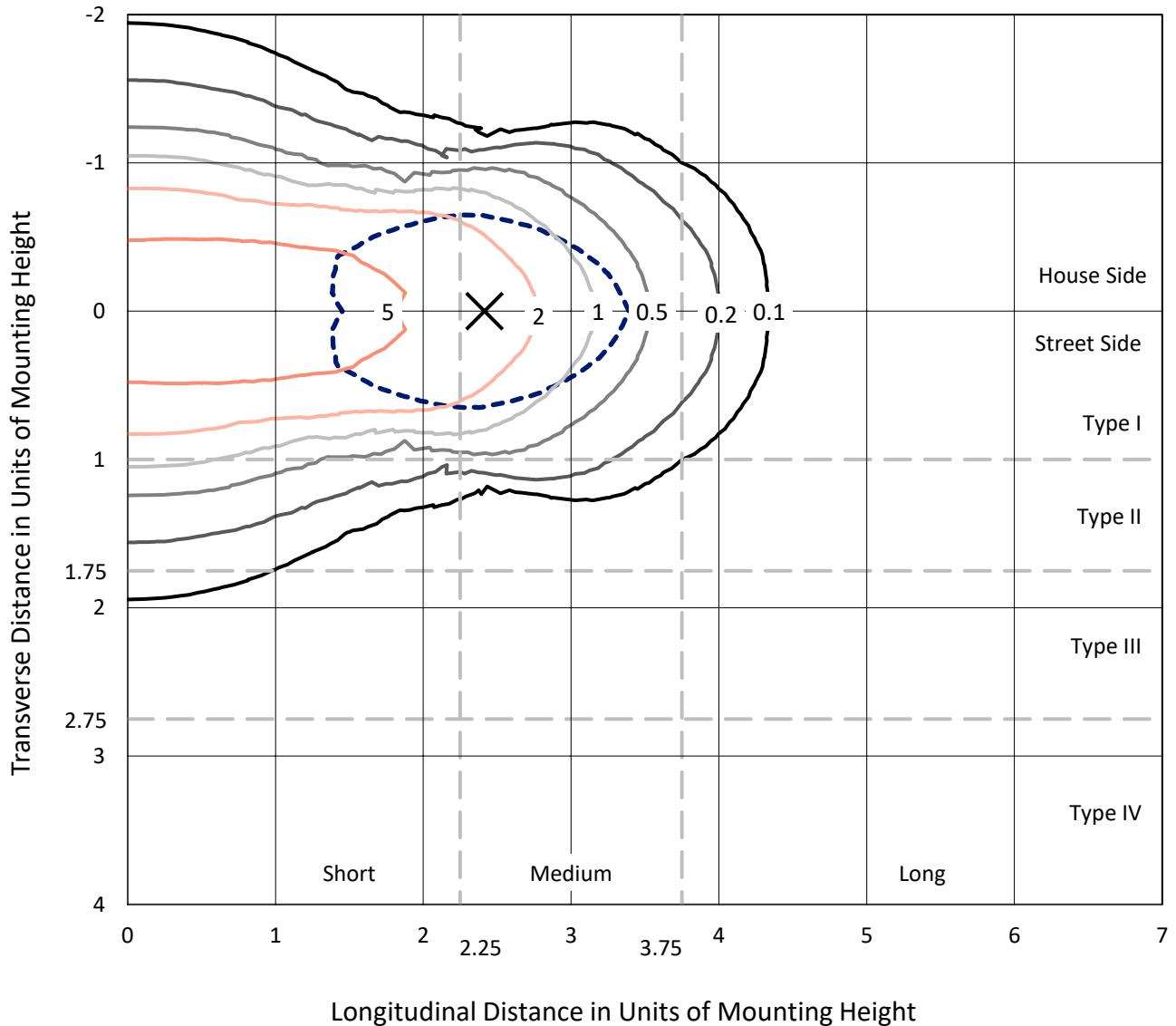
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

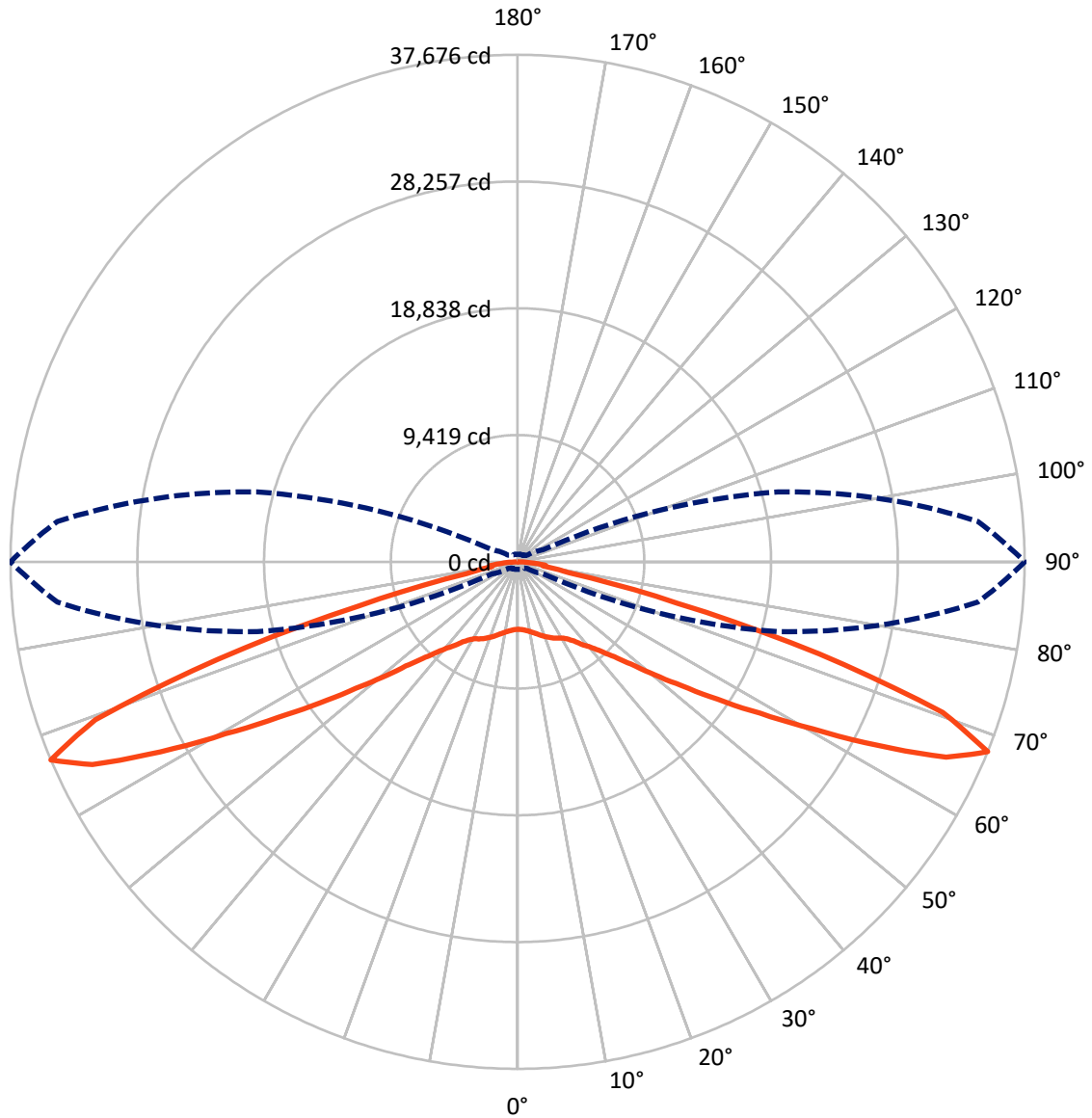
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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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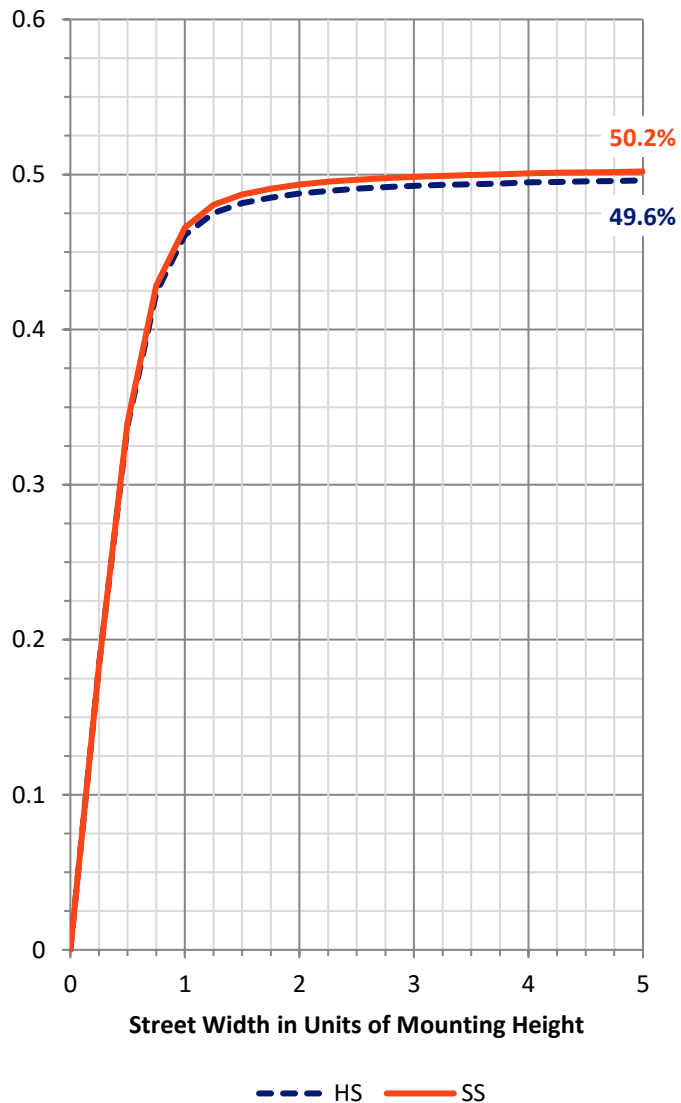
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14163.7	0.0	14163.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14163.7	0.0	14163.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	28327.4	0.0	28327.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.0	1.8
10°-20°	1599.7	5.6
20°-30°	2677.4	9.5
30°-40°	3627.2	12.8
40°-50°	4594.4	16.2
50°-60°	5739.6	20.3
60°-70°	6746.7	23.8
70°-80°	2580.9	9.1
80°-90°	261.5	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°	28327.4	100.0
0°-180°	28327.4	100.0

Coefficient of Utilization

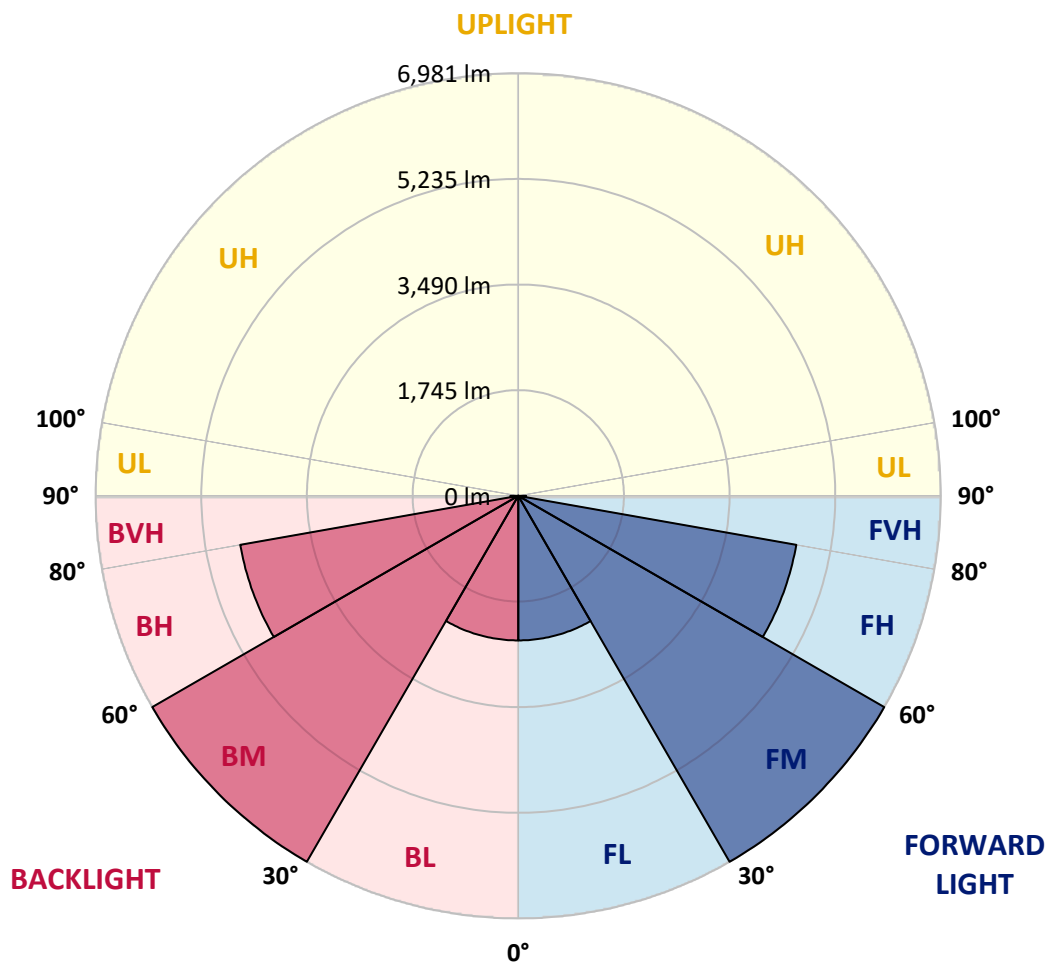


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2388.5	8.4			
FM (30°-60°)	6980.6	24.6			
FH (60°-80°)	4663.8	16.5			G2/5000
FVH (80°-90°)	130.7	0.5			G2/225
BL (0°-30°)	2388.5	8.4	B3/2500		
BM (30°-60°)	6980.6	24.6	B4/8500		
BH (60°-80°)	4663.8	16.5	B4/5000		G4/5000
BVH (80°-90°)	130.7	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°	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8	5014.8
2.5°	5079.1	5076.0	5077.5	5076.0	5080.7	5077.5	5058.8	5043.1	5030.5	5032.1	5027.4
5°	5187.4	5189.0	5190.5	5182.7	5193.7	5187.4	5157.6	5132.5	5107.4	5098.0	5094.9
7.5°	5276.8	5284.6	5289.3	5297.2	5316.0	5316.0	5300.3	5264.2	5209.3	5178.0	5176.4
10°	5366.2	5372.5	5386.6	5411.7	5443.0	5472.9	5466.6	5418.0	5347.4	5294.0	5281.5
12.5°	5397.5	5405.4	5452.5	5524.6	5595.3	5653.3	5653.3	5614.0	5523.1	5441.5	5418.0
15°	5287.8	5301.9	5386.6	5540.3	5725.4	5852.4	5880.7	5825.8	5728.6	5603.1	5574.8
17.5°	5069.7	5104.3	5228.2	5455.7	5763.0	6026.6	6108.2	6081.5	5956.0	5796.0	5763.0
20°	4836.0	4873.7	5005.4	5306.6	5731.7	6128.5	6365.4	6371.7	6216.4	5984.2	5935.6
22.5°	4578.7	4607.0	4776.4	5129.3	5637.6	6152.1	6586.5	6694.8	6484.6	6172.4	6103.5
25°	4290.1	4321.5	4498.8	4879.9	5460.3	6125.4	6788.9	7027.3	6765.4	6373.3	6285.4
27.5°	4014.1	4026.6	4216.4	4603.9	5226.6	6056.4	6937.9	7333.3	7076.0	6539.5	6428.2
30°	3748.9	3778.8	3946.6	4329.4	4958.4	5921.5	7066.6	7681.4	7410.1	6713.6	6570.9
32.5°	3468.2	3504.3	3686.2	4073.6	4690.2	5719.1	7145.0	8062.7	7876.0	6995.9	6843.8
35°	3198.4	3222.0	3405.5	3781.9	4428.2	5483.8	7159.1	8492.4	8476.8	7424.2	7221.8
37.5°	2922.3	2956.8	3141.9	3502.7	4150.5	5234.5	7088.5	8948.9	9201.5	8018.7	7800.7
40°	2657.2	2687.0	2869.0	3232.9	3835.2	4930.1	6920.7	9366.1	10046.9	8630.5	8321.4
42.5°	2368.6	2376.4	2575.6	2945.9	3526.2	4577.2	6679.1	9737.9	10989.7	9450.8	9066.6
45°	2040.8	2061.1	2246.2	2610.1	3171.7	4181.9	6351.3	10045.3	12184.9	10588.1	10064.2
47.5°	1712.9	1730.2	1899.6	2258.8	2784.3	3728.6	5846.2	10315.1	13411.6	12032.8	11345.8
50°	1392.9	1402.4	1540.4	1858.8	2348.2	3251.7	5220.3	10401.4	14798.2	14078.3	13201.3
52.5°	1101.1	1115.3	1220.4	1469.8	1882.3	2688.6	4544.3	10188.1	16417.0	16503.3	15267.3
55°	892.6	897.3	975.6	1159.2	1471.3	2098.8	3728.6	9593.6	18158.2	19610.7	18034.2
57.5°	768.6	771.8	815.7	917.6	1132.6	1582.8	2892.5	8468.9	19722.0	23251.5	21224.8
60°	698.0	699.6	724.7	784.3	897.3	1214.1	2072.1	6881.5	21265.6	27303.1	25190.2
62.5°	654.1	654.1	671.4	704.3	759.2	931.7	1501.2	4964.7	22322.8	31414.5	30078.0
65°	611.7	611.7	624.3	647.8	677.7	762.4	1109.0	3237.6	22296.2	34408.9	34994.0
67.5°	563.1	563.1	572.6	596.1	613.3	655.6	856.5	2120.7	20028.0	34343.1	37676.4
70°	505.1	505.1	517.6	538.1	552.1	578.8	676.1	1451.0	14713.5	29323.5	33507.0
72.5°	447.1	448.6	456.5	476.8	487.9	503.5	561.5	1016.4	9025.8	19966.8	23428.7
75°	382.7	385.9	393.8	414.1	423.5	429.8	473.7	724.7	4566.2	10765.3	12257.1
77.5°	309.0	315.3	320.0	342.0	348.3	357.7	390.6	523.9	2004.7	3868.2	3902.7
80°	225.9	233.7	247.8	268.2	272.9	279.2	298.1	371.7	908.2	1766.3	1918.4
82.5°	166.3	177.3	160.0	186.7	186.7	178.8	210.2	249.4	417.2	1749.0	2092.5
85°	91.0	92.5	83.2	95.7	101.9	100.4	111.3	122.4	202.3	1167.1	1203.1
87.5°	22.0	23.5	25.1	29.8	36.1	36.1	39.2	34.5	65.9	378.0	216.5
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)