

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: P648533

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648533
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-SA7B-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32017.7 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

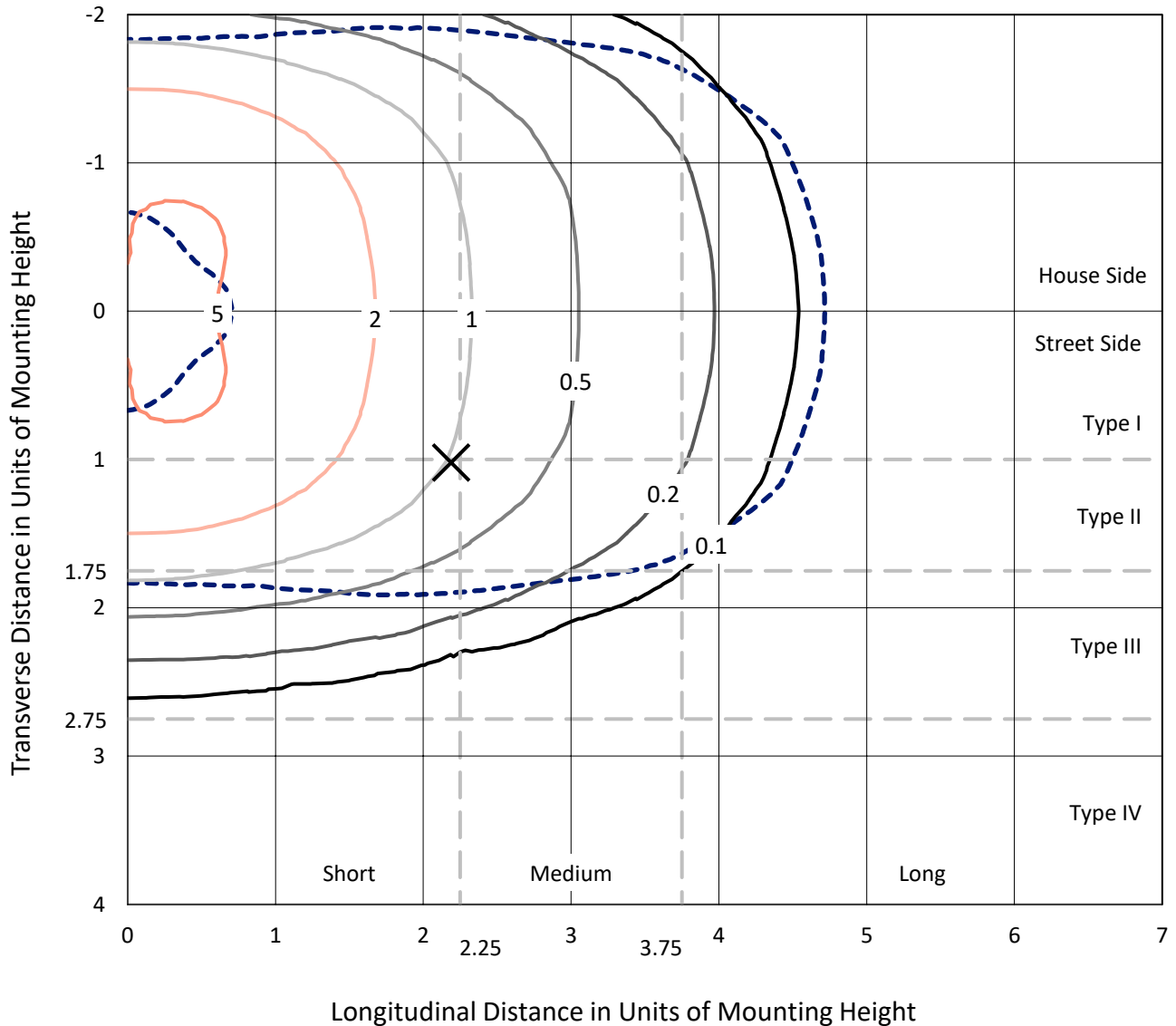
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

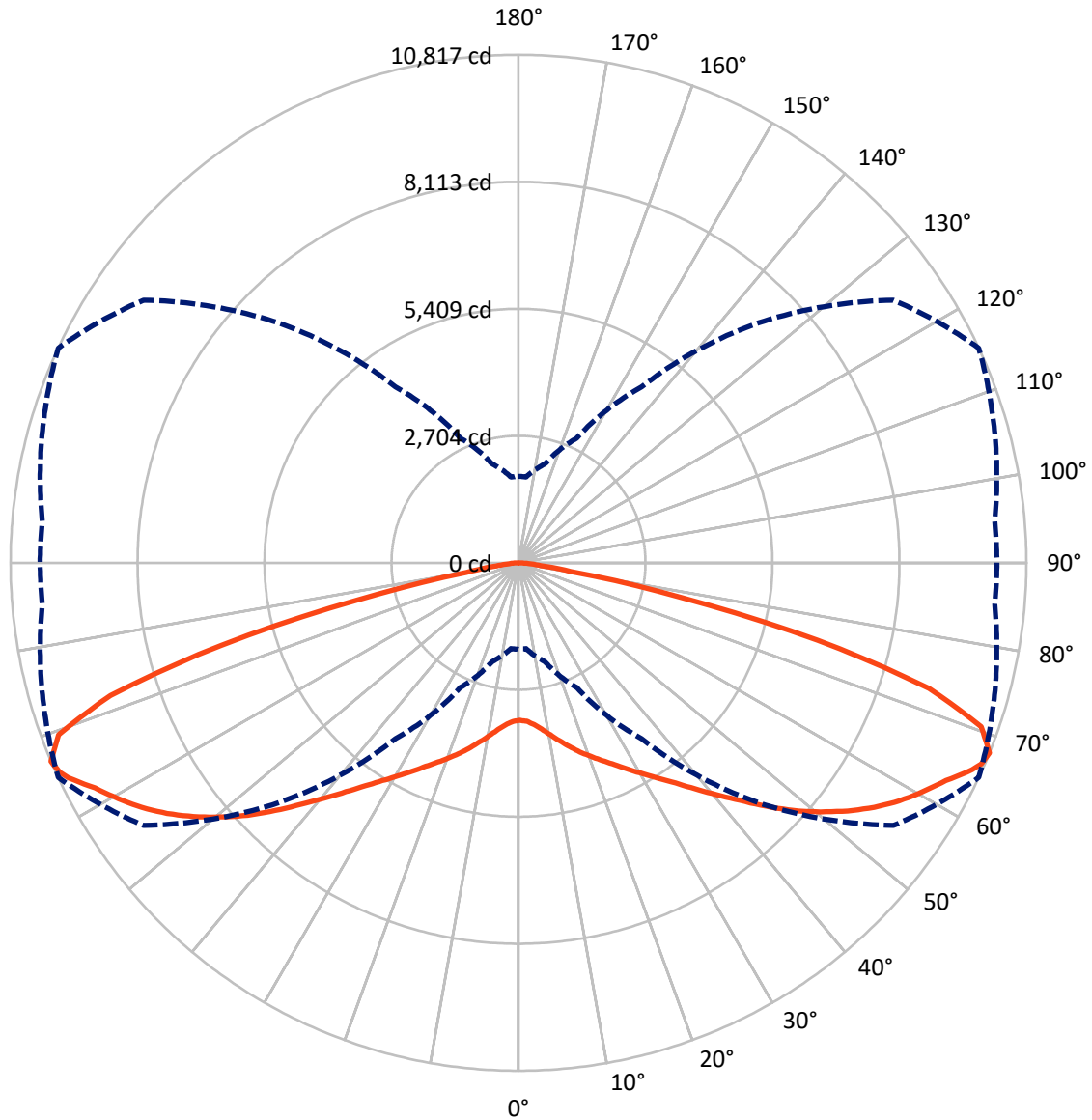
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	16008.8	0.0	16008.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16008.8	0.0	16008.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	32017.7	0.0	32017.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.8	1.0
10°-20°	1107.0	3.5
20°-30°	2165.4	6.8
30°-40°	3683.0	11.5
40°-50°	5829.1	18.2
50°-60°	7729.3	24.1
60°-70°	7291.1	22.8
70°-80°	3604.3	11.3
80°-90°	277.8	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°	32017.7	100.0
0°-180°	32017.7	100.0

Coefficient of Utilization

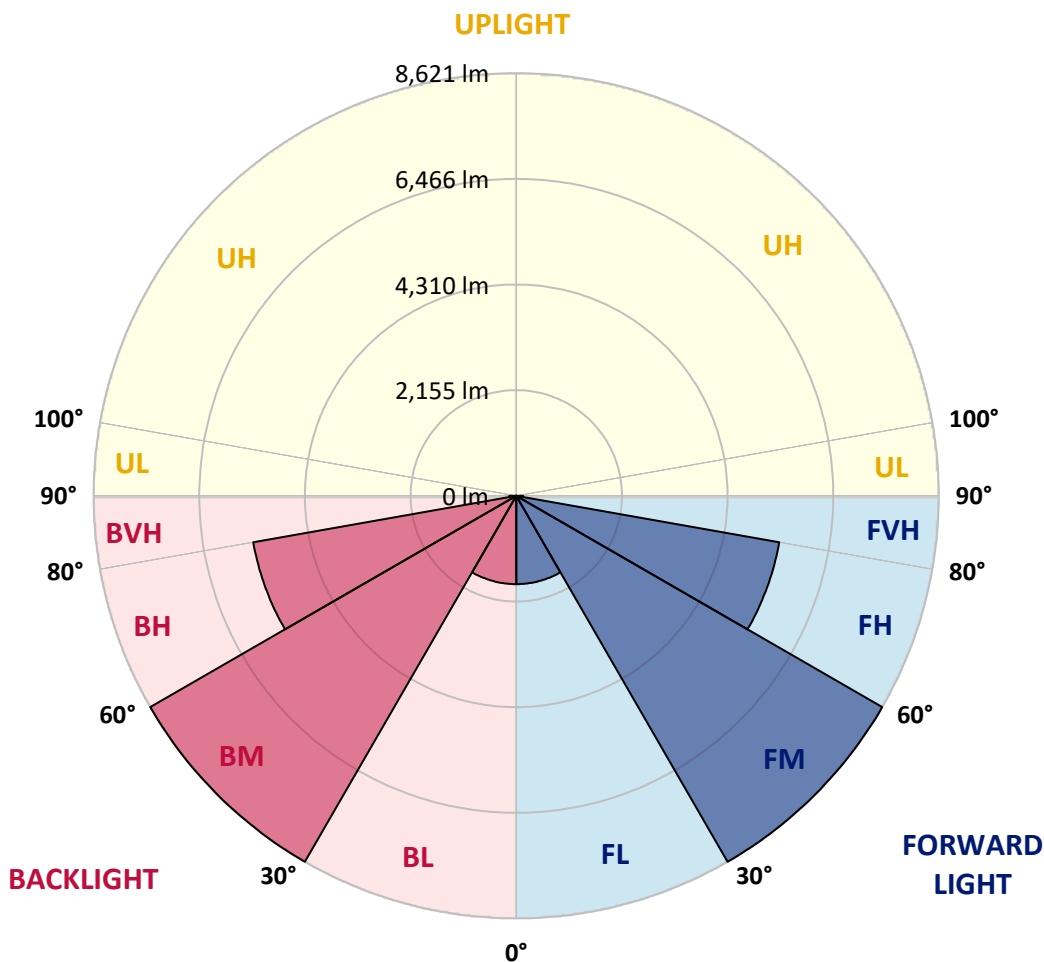


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1801.6	5.6			
FM (30°-60°)	8620.7	26.9			
FH (60°-80°)	5447.7	17.0			G3/7500
FVH (80°-90°)	138.9	0.4			G2/225
BL (0°-30°)	1801.6	5.6	B3/2500		
BM (30°-60°)	8620.7	26.9	B5		
BH (60°-80°)	5447.7	17.0	B5		G5
BVH (80°-90°)	138.9	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3353.6	3353.6	3353.6	3353.6	3353.6	3353.6	3353.6	3353.6	3353.6	3353.6	3353.6
2.5°	3336.4	3339.8	3343.3	3348.4	3355.3	3365.6	3372.5	3377.5	3391.3	3393.1	3391.3
5°	3324.4	3327.8	3336.4	3351.9	3374.2	3405.0	3429.1	3458.2	3480.5	3495.9	3492.5
7.5°	3322.7	3329.6	3343.3	3375.9	3418.7	3471.9	3526.8	3576.6	3619.4	3653.8	3648.6
10°	3350.1	3358.7	3381.0	3429.1	3495.9	3573.1	3650.3	3724.1	3785.8	3830.4	3845.9
12.5°	3396.4	3403.3	3444.5	3516.5	3612.6	3708.7	3796.1	3887.0	3972.8	4048.3	4048.3
15°	3477.1	3489.0	3540.6	3645.2	3763.6	3875.1	3964.3	4060.3	4153.0	4238.7	4264.5
17.5°	3588.6	3605.7	3682.9	3816.7	3967.7	4070.6	4154.7	4233.5	4314.2	4396.5	4408.5
20°	3741.3	3758.4	3861.3	4022.6	4201.0	4324.5	4381.0	4399.9	4439.4	4518.3	4528.6
22.5°	3948.8	3966.0	4080.9	4262.7	4461.7	4595.5	4619.5	4574.9	4564.7	4626.4	4633.2
25°	4183.8	4199.2	4331.3	4526.9	4732.8	4878.6	4871.7	4761.9	4700.1	4737.9	4748.2
27.5°	4448.0	4470.3	4604.0	4806.5	5029.5	5158.2	5137.6	4978.0	4845.9	4839.1	4842.5
30°	4785.9	4809.9	4936.9	5130.7	5350.2	5468.6	5425.7	5211.3	5007.2	4938.6	4938.6
32.5°	5142.7	5202.7	5331.4	5533.9	5705.3	5791.1	5725.9	5468.6	5197.6	5101.6	5096.4
35°	5607.6	5640.2	5767.1	5964.3	6093.0	6159.9	6034.7	5758.5	5446.3	5333.1	5317.7
37.5°	6062.1	6089.6	6237.1	6425.8	6581.9	6578.5	6408.6	6103.3	5755.1	5628.1	5617.9
40°	6527.0	6556.2	6724.3	6897.5	7053.7	7040.0	6834.1	6492.7	6122.2	5979.8	6007.3
42.5°	6930.1	6962.7	7153.1	7400.1	7540.8	7537.4	7299.0	6914.7	6528.7	6401.8	6425.8
45°	7297.2	7326.4	7547.7	7830.7	8036.6	8062.3	7801.6	7395.0	6998.8	6835.8	6842.6
47.5°	7556.3	7611.2	7842.7	8166.9	8446.5	8537.4	8281.9	7883.9	7427.6	7257.8	7268.0
50°	7753.5	7787.8	8040.0	8408.8	8762.2	8950.9	8745.0	8336.8	7856.5	7676.3	7700.3
52.5°	7777.5	7818.7	8093.2	8518.6	8971.5	9257.9	9156.7	8779.3	8293.8	8108.6	8160.0
55°	7581.9	7606.0	7933.6	8450.0	9053.8	9486.0	9511.8	9191.0	8710.7	8570.0	8604.3
57.5°	7024.4	7086.2	7501.4	8129.2	8940.5	9607.8	9777.6	9565.0	9132.7	8993.8	9048.7
60°	6110.2	6171.9	6588.8	7384.7	8513.4	9551.3	9997.3	9896.0	9515.2	9403.7	9432.9
62.5°	4787.7	4782.5	5298.8	6274.9	7664.3	9273.3	10160.2	10215.1	9892.6	9752.0	9796.5
65°	3103.1	3118.5	3617.8	4669.3	6382.9	8566.6	10196.2	10621.6	10263.1	10050.4	10083.0
66°	2495.9	2542.2	2965.9	3935.0	5729.4	8103.4	10088.2	10741.7	10376.3	10119.0	10134.4
67.5°	1842.3	1833.7	2182.0	2929.8	4574.9	7223.5	9750.2	10817.1	10505.0	10180.8	10187.6
70°	1051.5	1049.8	1173.3	1609.1	2689.7	5086.1	8218.4	10455.2	10765.7	10403.8	10384.9
72.5°	768.5	763.3	780.5	888.5	1312.2	2567.9	5669.3	9137.8	10631.9	10367.8	10314.5
75°	645.0	641.6	638.1	651.8	735.9	1163.0	3008.8	6573.4	9225.3	9731.4	9676.5
77.5°	526.6	526.6	528.4	524.9	528.4	612.4	1247.1	3523.4	5617.9	6271.4	6424.1
80°	411.7	410.0	439.1	427.1	399.7	392.8	552.3	1133.9	1864.6	1854.3	1530.1
82.5°	303.6	283.1	334.5	325.9	295.0	250.5	322.5	483.7	622.7	404.8	300.2
85°	192.1	190.4	236.7	216.1	180.1	118.4	154.4	207.6	257.3	156.1	126.9
87.5°	34.3	32.6	75.5	54.9	54.9	34.3	42.9	56.6	84.0	58.3	42.9
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)