

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: P652382

Luminaire Tested: **GALN-SA5B-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5B-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20998.9 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

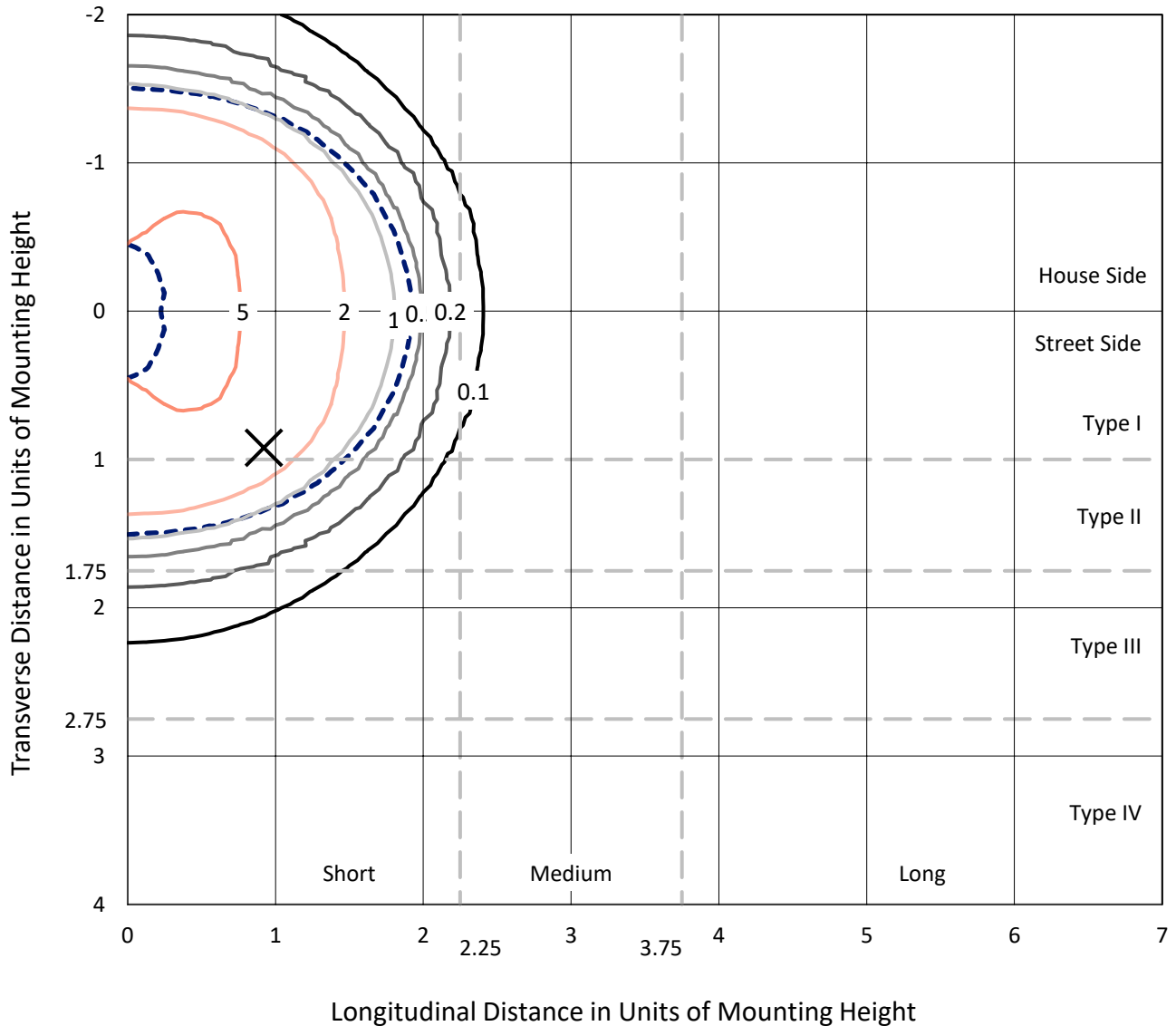
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

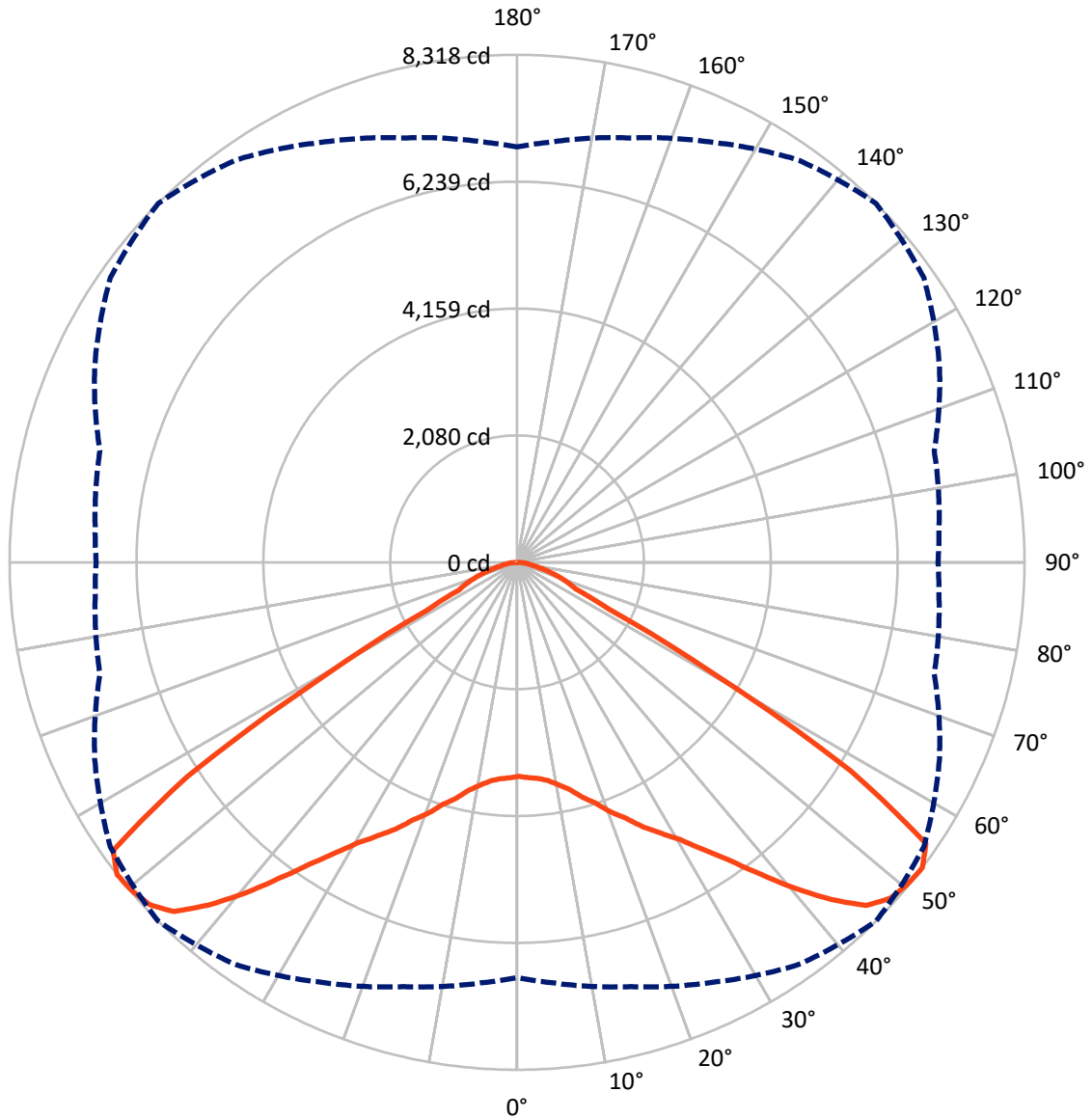
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10499.5	0.0	10499.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10499.5	0.0	10499.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20998.9	0.0	20998.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.9	1.6
10°-20°	1133.2	5.4
20°-30°	2157.5	10.3
30°-40°	3704.6	17.6
40°-50°	5694.0	27.1
50°-60°	5782.2	27.5
60°-70°	1611.4	7.7
70°-80°	475.3	2.3
80°-90°	95.7	0.5
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°	20998.9	100.0
0°-180°	20998.9	100.0

Coefficient of Utilization

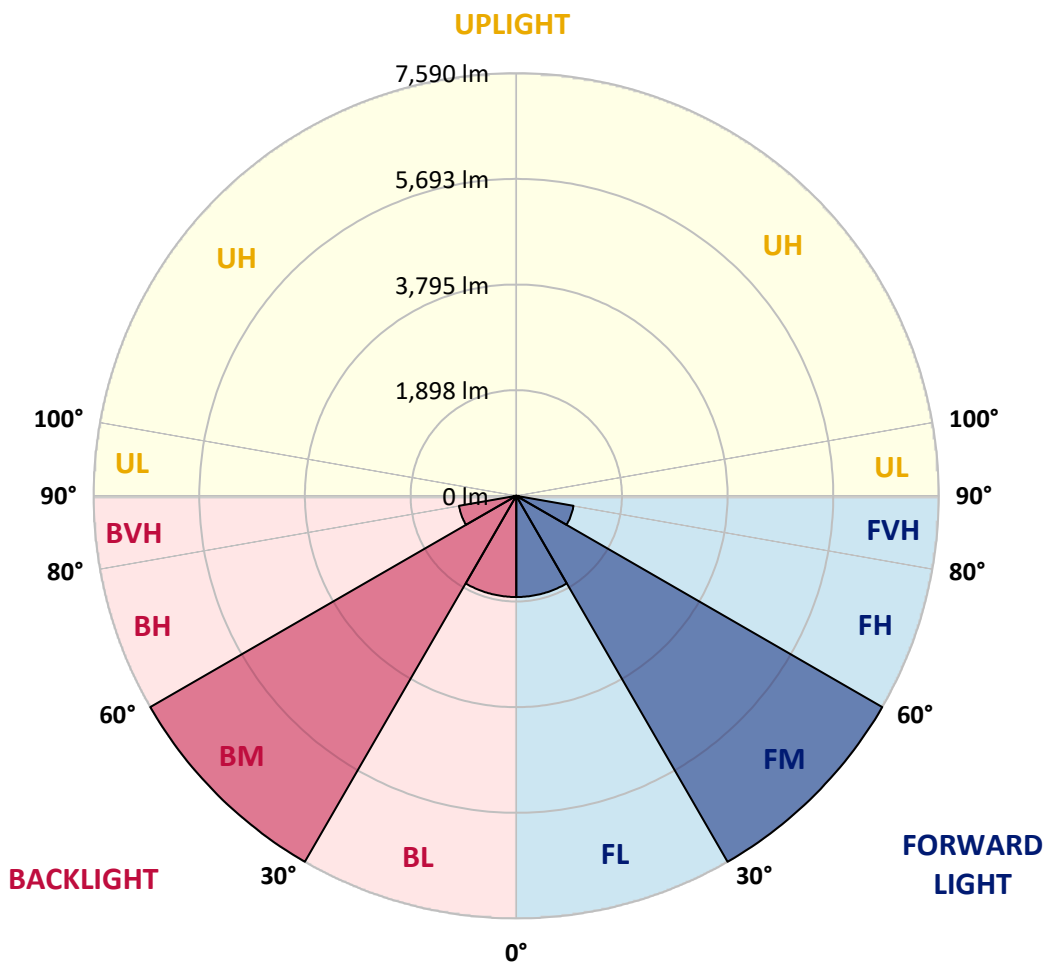


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1817.8	8.7			
FM (30°-60°)	7590.4	36.1			
FH (60°-80°)	1043.4	5.0			G1/1800
FVH (80°-90°)	47.9	0.2			G1/100
BL (0°-30°)	1817.8	8.7	B3/2500		
BM (30°-60°)	7590.4	36.1	B4/8500		
BH (60°-80°)	1043.4	5.0	B3/2500		G1/1800
BVH (80°-90°)	47.9	0.2			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°	3510.2	3510.2	3510.2	3510.2	3510.2	3510.2	3510.2	3510.2	3510.2	3510.2	3510.2
2.5°	3518.1	3481.6	3494.6	3502.4	3536.3	3533.7	3525.9	3536.3	3546.7	3549.4	3544.1
5°	3515.5	3489.4	3499.8	3507.6	3541.5	3559.8	3554.6	3598.9	3630.1	3622.3	3661.4
7.5°	3494.6	3510.2	3497.2	3536.3	3565.0	3609.2	3656.2	3697.9	3737.0	3781.3	3789.1
10°	3541.5	3541.5	3565.0	3596.3	3671.8	3705.7	3773.5	3833.4	3909.0	3961.1	3940.3
12.5°	3591.1	3598.9	3598.9	3679.6	3742.2	3817.7	3880.3	3961.1	4067.9	4130.5	4161.8
15°	3640.5	3645.7	3671.8	3781.3	3875.1	3994.9	4052.3	4125.3	4185.2	4302.5	4305.1
17.5°	3684.8	3713.5	3791.7	3914.2	4031.4	4146.1	4237.3	4312.9	4365.0	4411.9	4401.5
20°	3851.6	3872.5	3953.3	4075.7	4250.3	4362.4	4393.6	4406.7	4440.6	4534.4	4505.7
22.5°	4013.2	4021.0	4096.6	4284.2	4406.7	4555.3	4589.1	4581.3	4594.3	4617.8	4659.5
25°	4180.0	4193.0	4297.3	4456.2	4628.2	4805.4	4834.1	4774.1	4755.9	4781.9	4784.5
27.5°	4393.6	4396.2	4529.2	4667.3	4862.7	5029.5	5073.8	5026.9	4941.0	4961.8	4995.6
30°	4664.7	4646.4	4779.3	4977.4	5183.3	5277.1	5352.7	5329.2	5235.4	5217.1	5188.5
32.5°	4977.4	4982.6	5102.5	5318.8	5454.3	5610.6	5691.5	5652.4	5592.4	5561.1	5579.4
35°	5417.8	5441.3	5522.1	5701.9	5920.8	5998.9	6126.7	6043.3	5886.9	5926.0	5959.8
37.5°	5780.0	5847.8	5998.9	6212.6	6342.9	6486.3	6533.1	6421.1	6306.5	6259.6	6371.6
40°	6335.1	6314.3	6481.1	6694.8	6887.6	7030.9	6971.0	6858.9	6574.9	6577.5	6608.7
42.5°	6812.0	6822.4	6950.1	7205.5	7468.8	7557.3	7367.1	7093.5	6778.1	6744.2	6812.0
45°	7213.3	7255.1	7328.0	7669.4	7927.4	8023.8	7672.0	7348.8	6926.6	6785.9	6898.1
47.5°	7356.6	7424.4	7583.4	7896.1	8151.5	8229.7	7948.2	7484.4	7064.8	6835.5	6895.4
50°	7377.5	7354.0	7614.7	7901.3	8125.4	8294.8	8047.3	7583.4	7030.9	6911.1	6892.8
52.5°	6806.8	6921.4	7200.3	7593.8	8047.3	8318.2	8135.8	7638.1	7077.9	6942.3	6898.1
55°	5509.1	5373.5	5881.7	6543.6	7377.5	8130.6	8104.5	7666.8	7106.5	6994.4	6934.5
57.5°	3075.0	3114.1	3400.8	4120.1	5196.3	6447.2	7205.5	7364.5	7093.5	7028.3	7059.6
60°	1422.9	1435.9	1558.4	1894.5	2561.7	3656.2	4654.3	5668.0	6134.4	6228.3	6228.3
62.5°	1060.7	1055.5	1086.7	1146.6	1287.3	1680.8	2243.7	3049.0	3690.1	4138.3	4255.5
65°	959.0	956.4	972.0	992.9	1003.3	1058.1	1183.1	1430.7	1639.2	1759.0	1738.2
67.5°	839.1	836.5	841.8	854.8	873.0	901.6	932.9	985.1	1058.1	1052.8	1039.8
70°	677.6	677.6	685.3	695.8	716.6	750.5	787.0	823.5	886.0	899.0	896.4
72.5°	500.3	492.5	508.1	529.0	549.8	591.6	630.7	664.6	708.8	721.8	716.6
75°	317.9	323.1	333.5	357.0	393.5	422.2	463.9	492.5	521.2	531.6	534.2
77.5°	177.2	182.4	200.7	229.3	265.8	297.0	333.5	357.0	375.3	377.9	380.5
80°	106.8	109.4	127.7	153.7	185.0	218.9	247.6	271.1	286.7	278.9	276.3
82.5°	65.2	67.8	83.4	106.8	132.9	158.9	190.2	211.1	226.7	216.3	205.9
85°	33.9	36.5	49.5	65.2	86.0	99.0	99.0	88.6	86.0	80.8	78.2
87.5°	10.4	10.4	13.0	15.6	13.0	15.6	18.2	20.9	20.9	23.5	20.9
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)