

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: P531263

Luminaire Tested: **GALN-SA6C-740-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-740-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25020 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

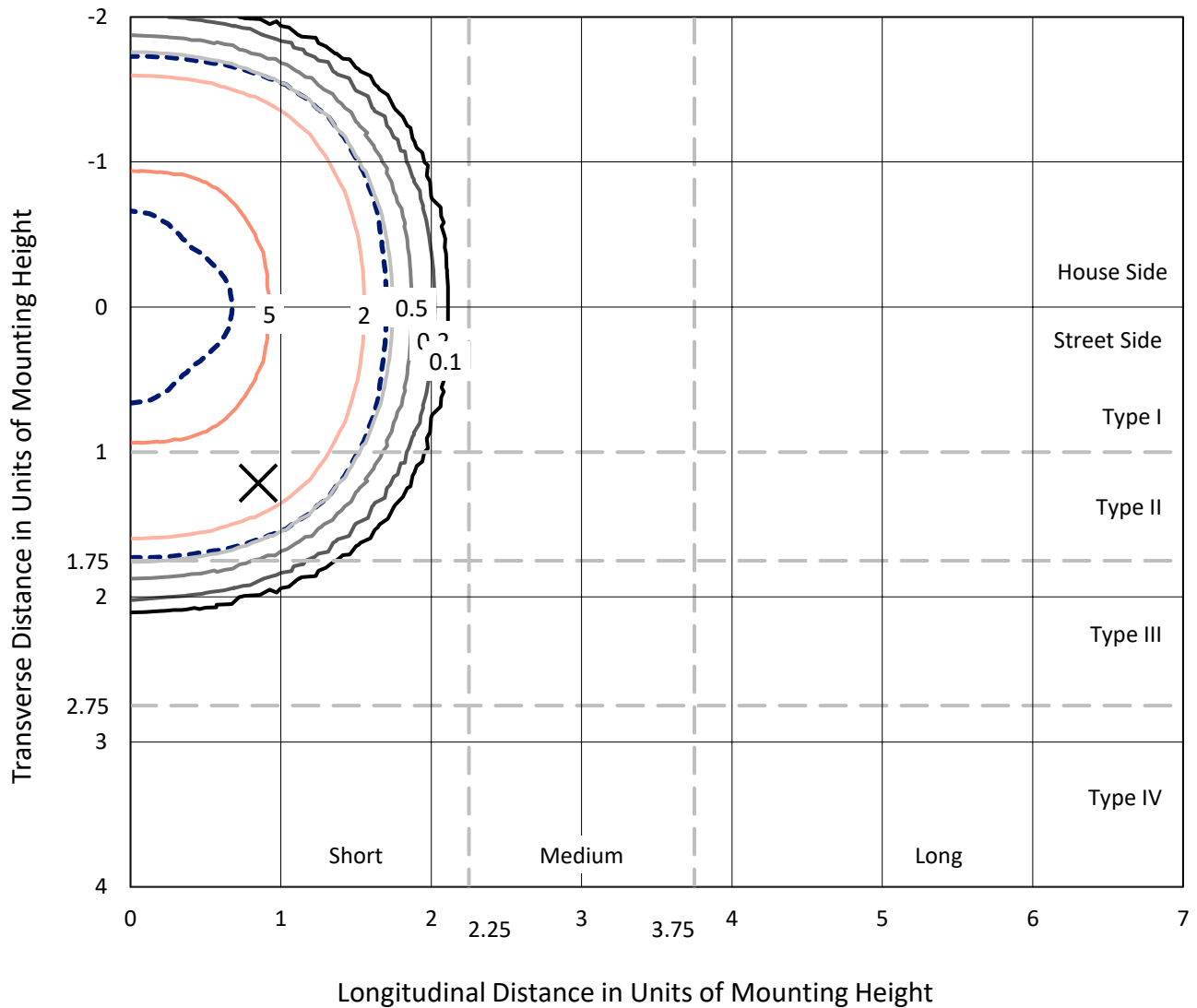
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

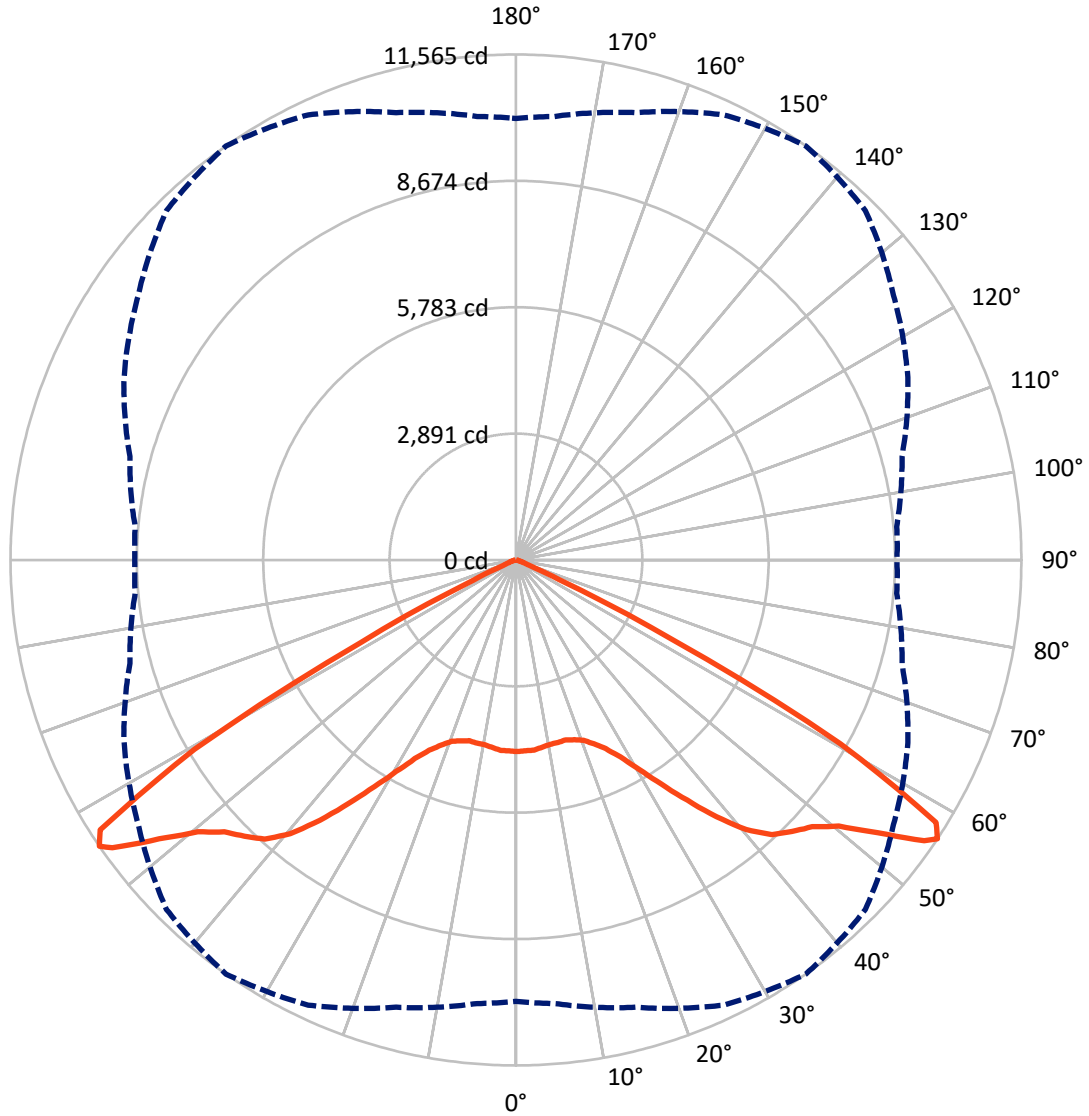
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12510.0	0.0	12510.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12510.0	0.0	12510.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25020.0	0.0	25020.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.0	1.6
10°-20°	1202.9	4.8
20°-30°	2178.3	8.7
30°-40°	4039.4	16.1
40°-50°	6630.5	26.5
50°-60°	8542.0	34.1
60°-70°	1882.6	7.5
70°-80°	109.2	0.4
80°-90°	23.0	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°	25020.0	100.0
0°-180°	25020.0	100.0

Coefficient of Utilization



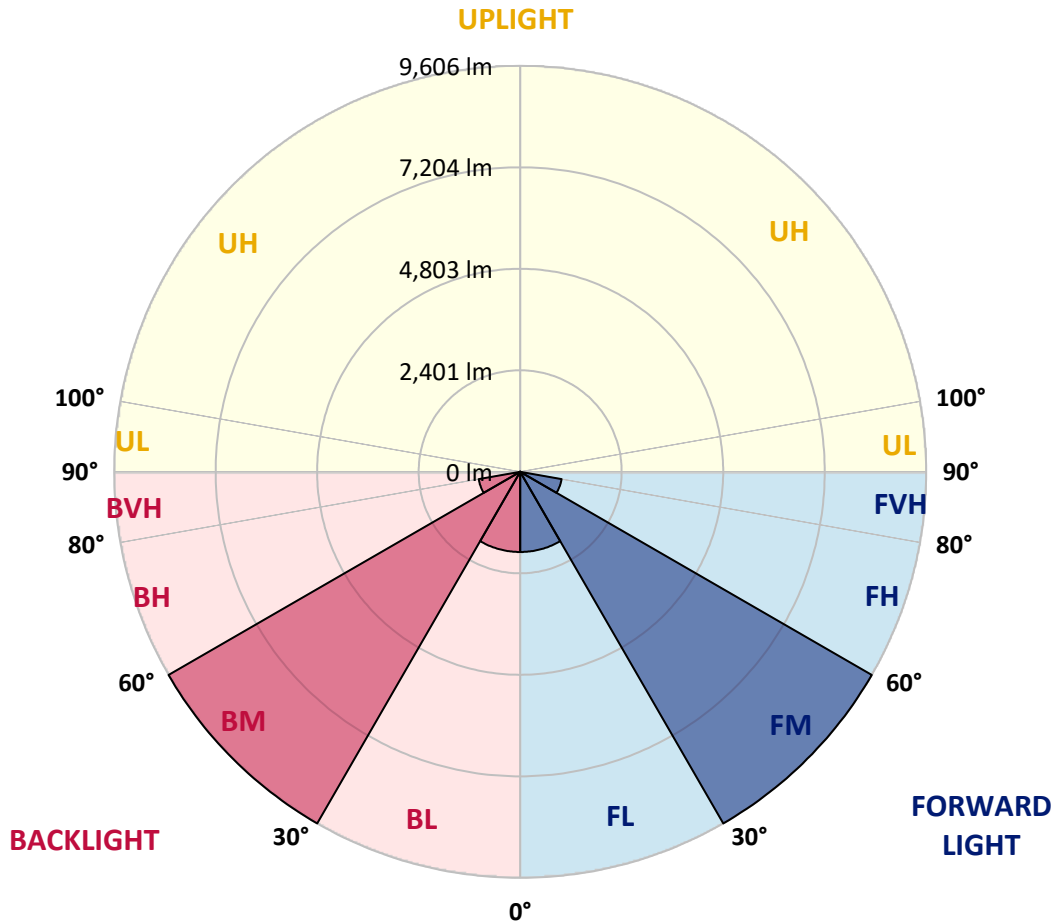
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1896.7	7.6			
FM (30°-60°)	9605.9	38.4			
FH (60°-80°)	995.9	4.0			G1/1800
FVH (80°-90°)	11.5	0.0			G1/100
BL (0°-30°)	1896.7	7.6	B3/2500		
BM (30°-60°)	9605.9	38.4	B5		
BH (60°-80°)	995.9	4.0	B2/1000		G1/1800
BVH (80°-90°)	11.5	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4384.0	4384.0	4384.0	4384.0	4384.0	4384.0	4384.0	4384.0	4384.0	4384.0	4384.0
2.5°	4393.1	4393.1	4397.6	4402.2	4370.4	4356.8	4361.4	4352.3	4347.8	4361.4	4361.4
5°	4379.5	4379.5	4365.9	4370.4	4370.4	4329.6	4329.6	4338.7	4338.7	4311.5	4302.4
7.5°	4343.2	4334.2	4316.0	4338.7	4325.1	4325.1	4293.4	4270.7	4261.6	4279.8	4261.6
10°	4266.2	4270.7	4288.8	4297.9	4288.8	4316.0	4261.6	4229.9	4198.2	4184.6	4184.6
12.5°	4229.9	4257.1	4229.9	4252.6	4284.3	4261.6	4229.9	4207.2	4161.9	4143.8	4143.8
15°	4225.4	4243.5	4252.6	4284.3	4270.7	4279.8	4216.3	4189.1	4121.1	4089.4	4075.8
17.5°	4220.8	4243.5	4257.1	4316.0	4325.1	4329.6	4279.8	4198.2	4139.2	4107.5	4075.8
20°	4270.7	4279.8	4307.0	4365.9	4402.2	4465.6	4375.0	4288.8	4161.9	4125.6	4112.0
22.5°	4334.2	4379.5	4406.7	4470.2	4565.4	4619.8	4501.9	4393.1	4261.6	4216.3	4161.9
25°	4538.2	4529.1	4574.5	4705.9	4783.0	4823.8	4728.6	4569.9	4397.6	4343.2	4352.3
27.5°	4792.1	4801.1	4841.9	4987.0	5100.4	5163.8	5050.5	4841.9	4674.2	4583.5	4574.5
30°	5123.0	5114.0	5159.3	5354.2	5558.3	5653.5	5454.0	5209.2	5046.0	4928.1	4955.3
32.5°	5472.1	5476.7	5603.6	5780.4	6111.4	6297.2	5975.4	5676.1	5431.3	5349.7	5308.9
35°	5989.0	6011.6	6111.4	6383.4	6750.6	6990.9	6637.3	6279.1	5998.0	5848.4	5866.5
37.5°	6628.2	6605.5	6773.3	7068.0	7453.3	7630.1	7330.9	6922.9	6637.3	6537.5	6601.0
40°	7308.2	7330.9	7417.1	7684.5	8115.2	8233.1	7788.8	7566.7	7317.3	7267.4	7344.5
42.5°	7988.3	7974.7	8038.2	8278.4	8591.3	8509.7	8246.7	8115.2	7938.4	7838.7	7943.0
45°	8487.0	8464.3	8582.2	8745.4	8858.8	8704.6	8586.7	8541.4	8450.7	8341.9	8437.1
47.5°	8972.1	8954.0	9067.3	9112.6	9121.7	8917.7	8940.4	9022.0	8795.3	8568.6	8677.4
50°	9384.7	9352.9	9493.5	9593.2	9570.5	9244.1	9325.7	9244.1	8890.5	8623.0	8582.2
52.5°	10073.8	10087.4	10237.0	10418.3	10363.9	10091.9	9974.0	9602.3	9148.9	8908.6	8768.1
55°	10509.0	10441.0	10699.4	11275.2	11338.7	11057.6	10536.2	9987.6	9307.6	9012.9	8976.6
56°	10101.0	10187.1	10595.1	11238.9	11565.3	11306.9	10549.8	9892.4	9144.4	8745.4	8718.2
57.5°	9062.8	9017.4	9570.5	10450.1	11338.7	11229.9	10178.1	9212.4	8341.9	7893.1	7838.7
60°	5639.9	5771.3	6256.4	7344.5	8532.3	8586.7	7544.0	6714.3	5698.8	5299.8	5395.0
62.5°	2207.9	2094.5	2398.3	3209.8	4025.9	4207.2	3812.8	3169.0	2602.3	2207.9	2180.7
65°	512.3	498.7	562.2	775.3	1083.5	1255.8	1192.4	856.9	630.2	598.4	553.1
67.5°	290.2	290.2	276.6	276.6	303.8	321.9	308.3	303.8	317.4	331.0	326.4
70°	204.0	199.5	190.4	194.9	185.9	185.9	199.5	222.1	240.3	240.3	244.8
72.5°	122.4	122.4	122.4	136.0	136.0	136.0	149.6	167.7	172.3	167.7	163.2
75°	54.4	54.4	63.5	77.1	86.1	90.7	104.3	113.3	122.4	113.3	104.3
77.5°	13.6	13.6	22.7	31.7	40.8	49.9	68.0	81.6	86.1	81.6	68.0
80°	4.5	4.5	9.1	22.7	40.8	49.9	68.0	72.5	77.1	68.0	54.4
82.5°	4.5	4.5	9.1	22.7	31.7	40.8	54.4	63.5	68.0	58.9	54.4
85°	0.0	4.5	9.1	18.1	27.2	36.3	36.3	27.2	22.7	13.6	18.1
87.5°	0.0	0.0	4.5	4.5	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)