

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: P531239

Luminaire Tested: **GALN-SA6C-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-735-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26679 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

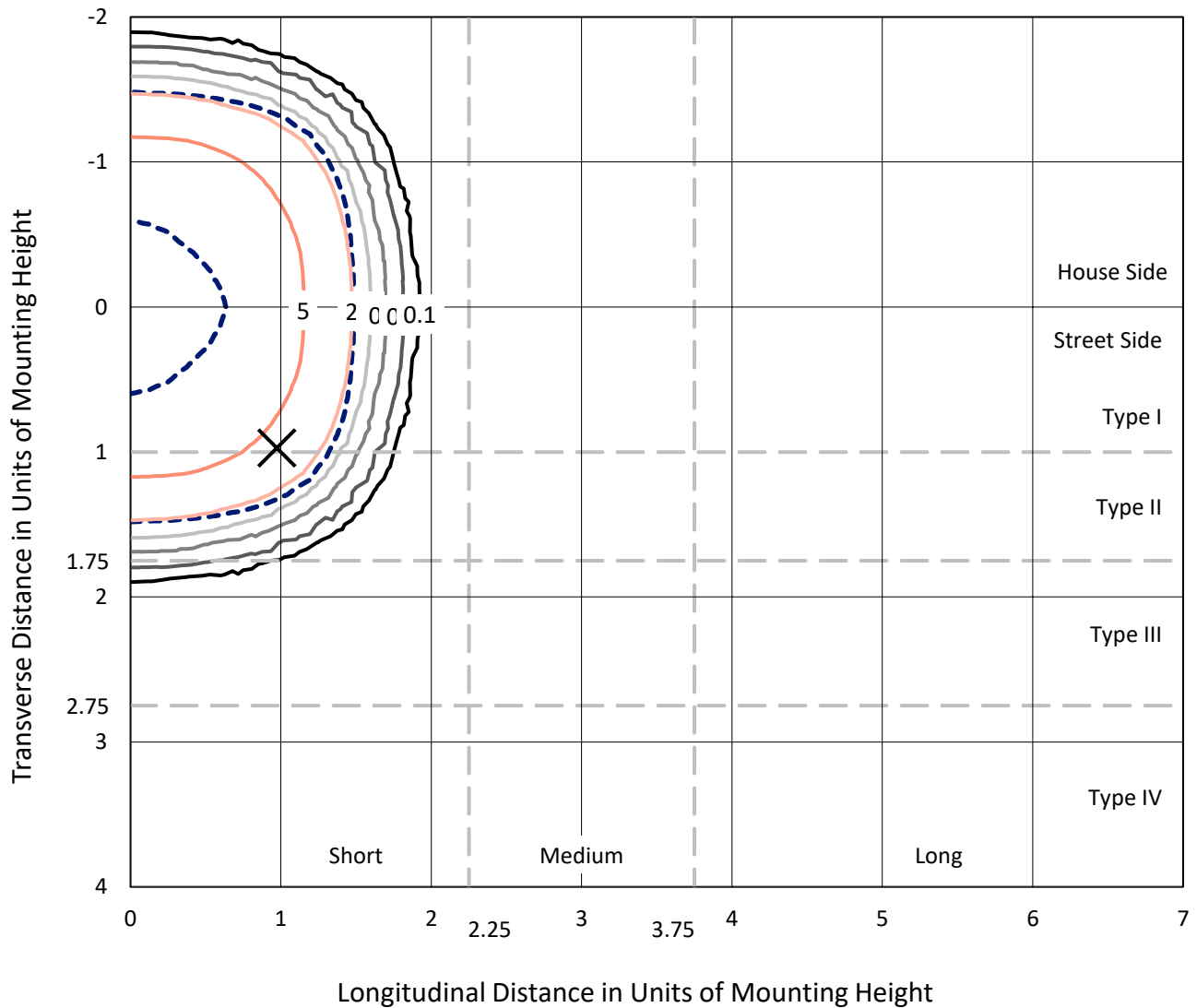
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

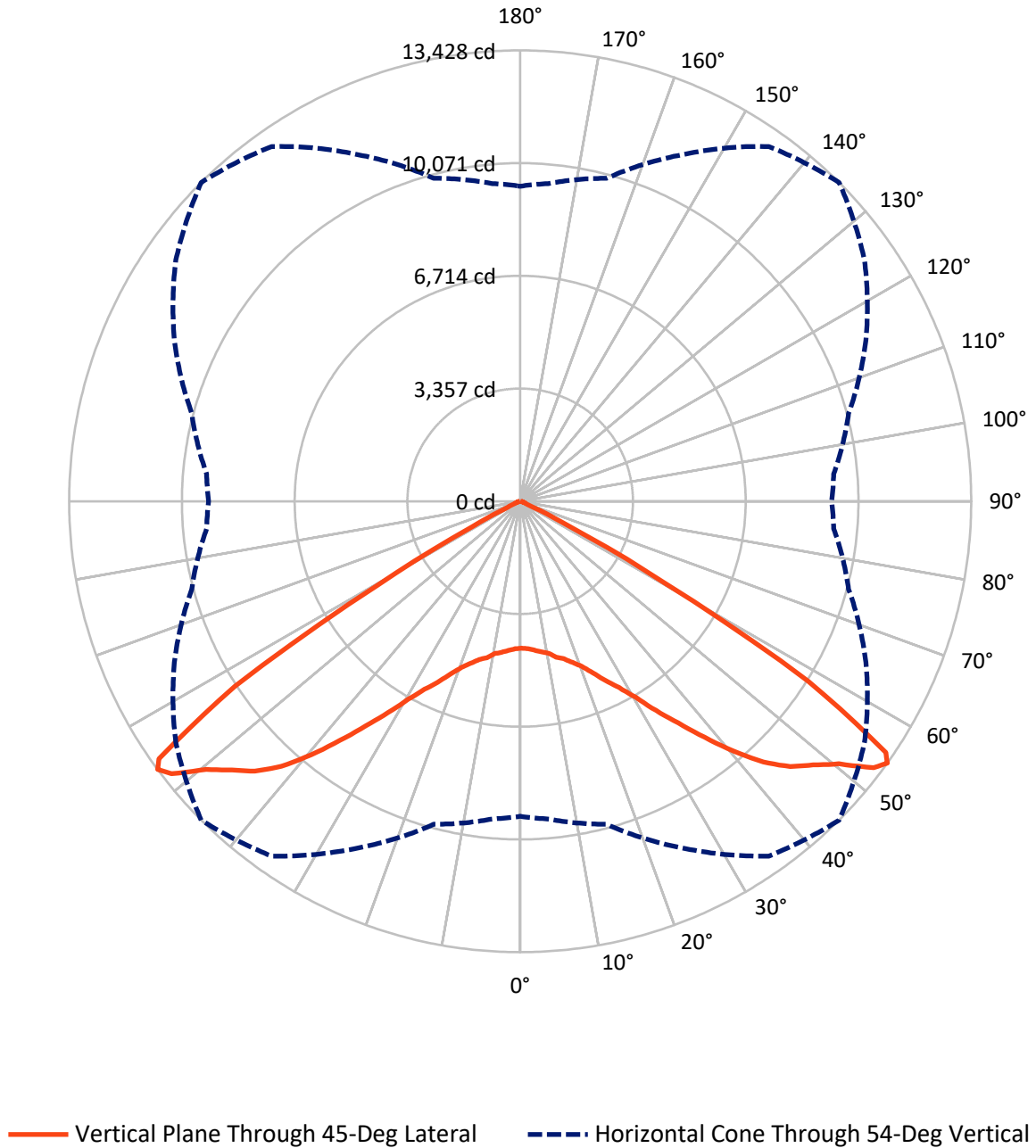
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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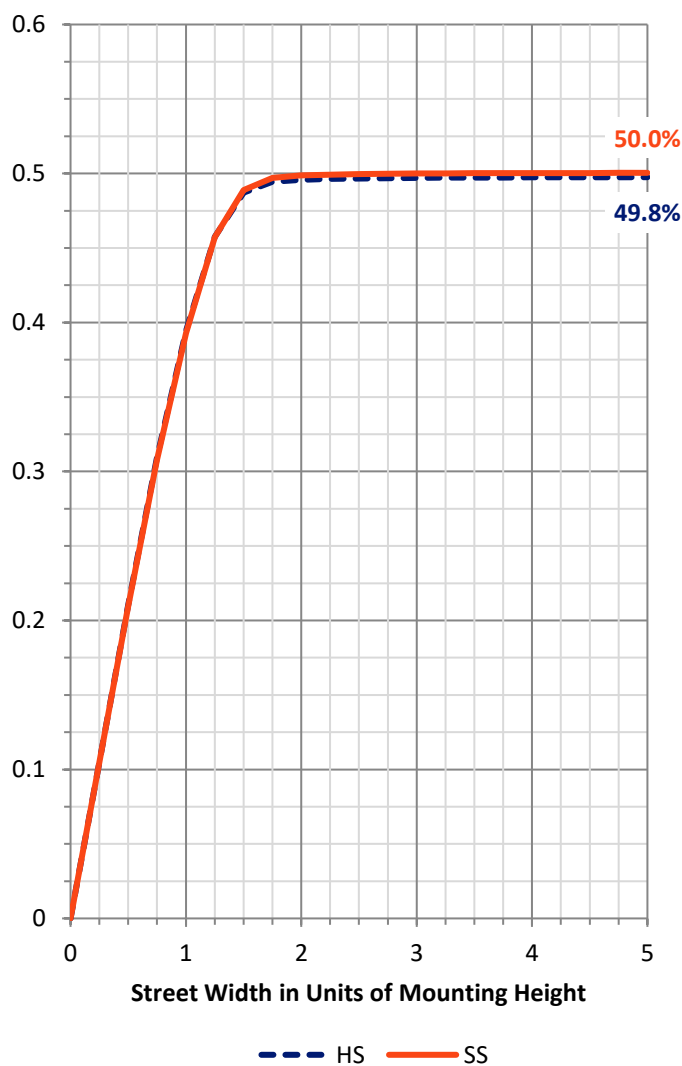
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13339.5	0.0	13339.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13339.5	0.0	13339.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26679.0	0.0	26679.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.2	1.6
10°-20°	1386.5	5.2
20°-30°	2717.6	10.2
30°-40°	4886.7	18.3
40°-50°	8365.1	31.4
50°-60°	8094.1	30.3
60°-70°	692.9	2.6
70°-80°	82.1	0.3
80°-90°	25.8	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°	26679.0	100.0
0°-180°	26679.0	100.0

Coefficient of Utilization



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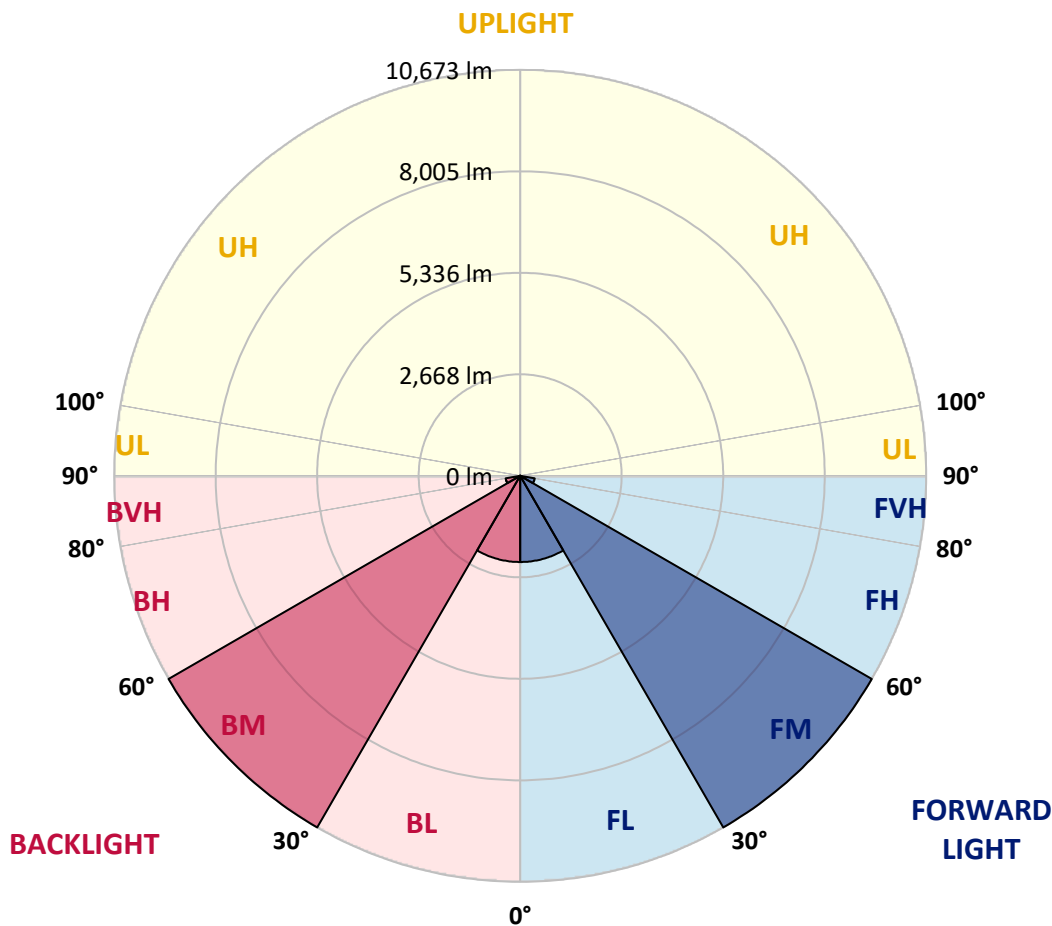
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2266.1	8.5			
FM (30°-60°)	10673.0	40.0			
FH (60°-80°)	387.5	1.5			G0/660
FVH (80°-90°)	12.9	0.0			G1/100
BL (0°-30°)	2266.1	8.5	B3/2500		
BM (30°-60°)	10673.0	40.0	B5		
BH (60°-80°)	387.5	1.5	B1/500		G0/660
BVH (80°-90°)	12.9	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°	4374.5	4374.5	4374.5	4374.5	4374.5	4374.5	4374.5	4374.5	4374.5	4374.5	4374.5
2.5°	4395.7	4421.0	4404.1	4416.8	4416.8	4395.7	4408.3	4357.6	4391.4	4366.1	4370.3
5°	4463.3	4459.1	4459.1	4463.3	4446.4	4454.8	4437.9	4421.0	4408.3	4391.4	4442.2
7.5°	4547.8	4547.8	4518.2	4526.7	4518.2	4530.9	4497.1	4463.3	4450.6	4437.9	4429.5
10°	4628.1	4619.7	4607.0	4645.0	4615.4	4598.5	4581.6	4560.5	4514.0	4497.1	4480.2
12.5°	4746.5	4742.2	4725.3	4763.4	4746.5	4763.4	4700.0	4645.0	4636.6	4581.6	4611.2
15°	4885.9	4924.0	4894.4	4894.4	4885.9	4864.8	4839.5	4814.1	4738.0	4716.9	4721.1
17.5°	5067.7	5055.0	5059.2	5059.2	5101.5	5046.6	4995.8	4932.4	4894.4	4881.7	4839.5
20°	5241.0	5257.9	5253.7	5283.2	5308.6	5249.4	5194.5	5186.0	5080.4	5097.3	5038.1
22.5°	5545.3	5532.6	5553.7	5574.9	5558.0	5549.5	5498.8	5435.4	5342.4	5300.1	5291.7
25°	5866.5	5845.4	5807.3	5858.1	5883.4	5921.5	5824.2	5790.4	5646.7	5583.3	5587.6
27.5°	6141.2	6170.8	6213.1	6234.2	6297.6	6284.9	6217.3	6107.4	5997.5	5925.7	5879.2
30°	6517.4	6534.3	6606.2	6635.8	6745.6	6775.2	6669.6	6542.8	6348.3	6255.4	6200.4
32.5°	6864.0	6982.3	6978.1	7126.0	7303.6	7426.1	7235.9	7041.5	6847.1	6737.2	6640.0
35°	7426.1	7405.0	7527.6	7683.9	7971.4	8110.8	7903.7	7679.7	7383.9	7206.3	7130.3
37.5°	7950.2	7958.7	8123.5	8372.9	8702.6	8918.1	8736.4	8368.7	8064.3	7836.1	7730.4
40°	8711.0	8727.9	8897.0	9180.2	9552.1	9784.6	9573.2	9201.3	8795.5	8618.0	8618.0
42.5°	9602.8	9674.7	9784.6	10029.7	10363.6	10621.4	10431.2	10139.6	9729.6	9501.4	9535.2
45°	10520.0	10553.8	10625.7	10989.1	11145.5	11272.3	11094.8	10959.6	10684.8	10405.9	10359.4
47.5°	11378.0	11390.7	11602.0	11716.1	11838.7	11733.0	11847.1	11669.6	11361.1	11090.6	11035.6
50°	11758.4	11737.3	12037.3	12383.9	12476.9	12290.9	12193.7	12075.4	11606.2	11280.8	11137.1
52.5°	10651.0	10773.6	11331.5	12295.2	13022.1	13178.5	12612.2	12066.9	11192.0	10558.0	10460.8
54°	9383.0	9497.2	9957.9	11386.4	12899.6	13427.9	12514.9	11356.9	10122.7	9370.4	9273.1
55°	8127.7	8000.9	8837.8	10296.0	12324.7	13208.1	12130.3	10439.7	9028.0	8339.1	8203.8
57.5°	4399.9	4421.0	5126.9	6504.7	8660.3	10126.9	8943.5	7062.6	5334.0	4560.5	4492.9
60°	1394.8	1428.6	1737.1	2628.9	4137.8	4940.9	4235.0	2836.0	1961.1	1572.3	1508.9
62.5°	435.3	452.2	494.5	735.4	1132.7	1618.8	1268.0	760.8	566.4	519.9	528.3
65°	266.3	266.3	270.5	287.4	338.1	393.1	380.4	333.9	321.2	312.8	308.5
67.5°	173.3	169.1	177.5	190.2	198.6	202.9	215.6	228.2	224.0	215.6	215.6
70°	105.7	101.4	109.9	126.8	131.0	139.5	152.2	169.1	164.8	156.4	160.6
72.5°	59.2	59.2	63.4	76.1	88.8	97.2	109.9	122.6	126.8	122.6	122.6
75°	21.1	25.4	33.8	46.5	54.9	67.6	80.3	93.0	105.7	97.2	93.0
77.5°	8.5	8.5	16.9	29.6	42.3	54.9	76.1	88.8	97.2	88.8	80.3
80°	4.2	4.2	12.7	25.4	38.0	50.7	63.4	76.1	80.3	71.9	63.4
82.5°	4.2	4.2	12.7	25.4	38.0	46.5	67.6	76.1	84.5	76.1	63.4
85°	0.0	4.2	12.7	25.4	33.8	38.0	38.0	25.4	21.1	12.7	12.7
87.5°	0.0	0.0	4.2	0.0	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)