

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: P533065

Luminaire Tested: **GALN-SA8C-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8C-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30683 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

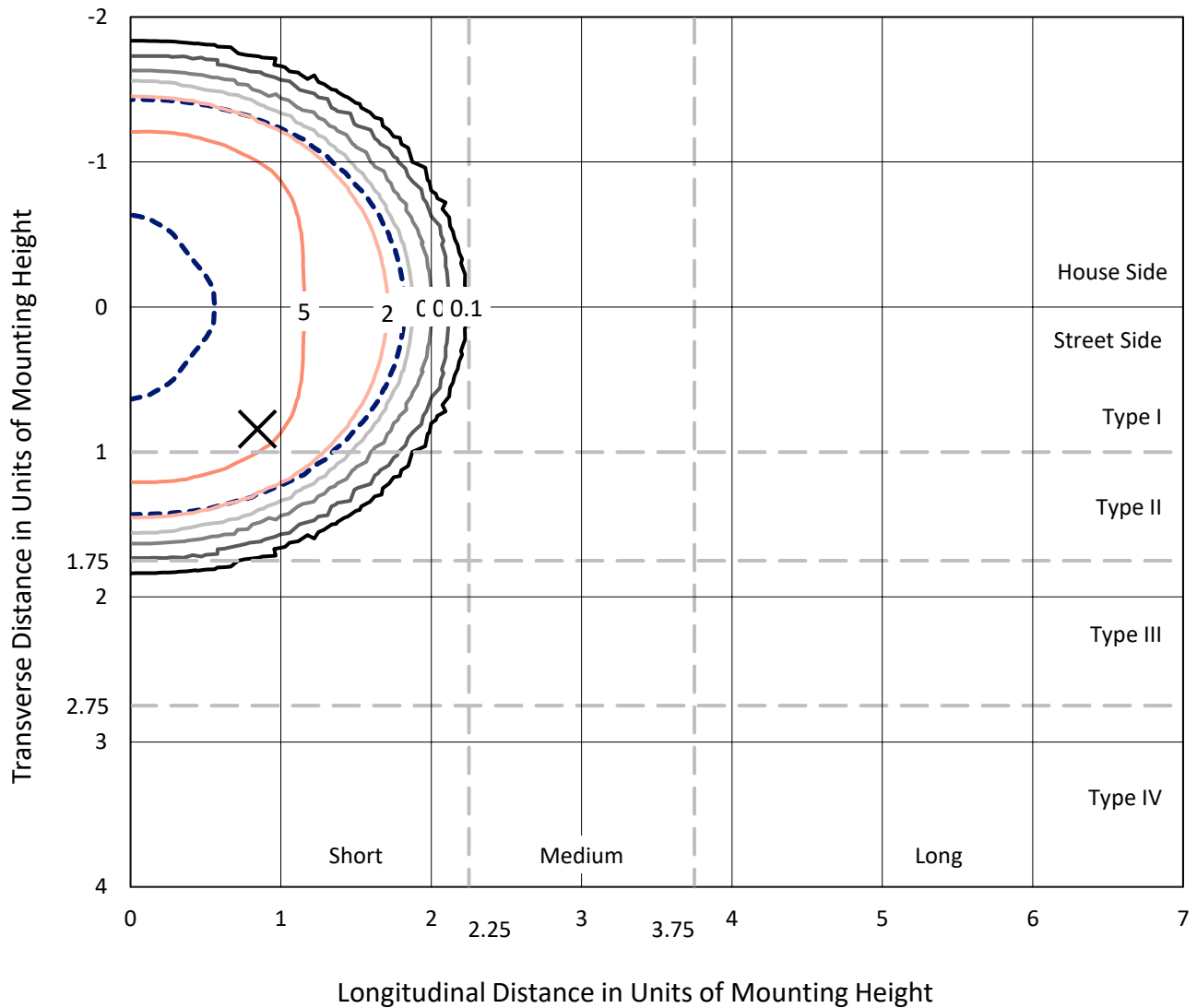
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

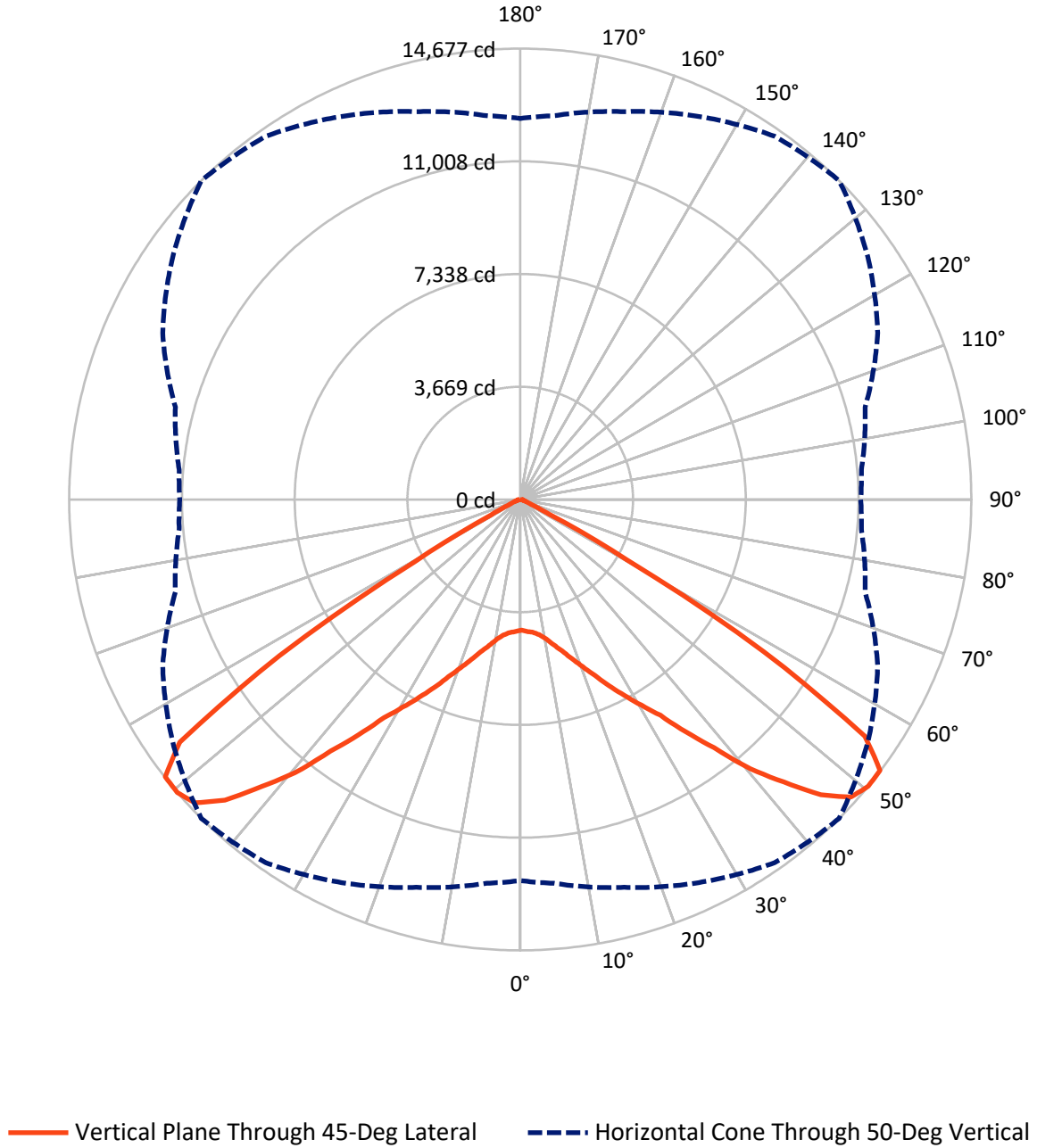
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	15341.5	0.0	15341.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15341.5	0.0	15341.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30683.0	0.0	30683.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.2	1.4
10°-20°	1458.6	4.8
20°-30°	2979.0	9.7
30°-40°	5680.9	18.5
40°-50°	9573.2	31.2
50°-60°	9129.7	29.8
60°-70°	1274.5	4.2
70°-80°	121.9	0.4
80°-90°	42.1	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°	30683.0	100.0
0°-180°	30683.0	100.0

Coefficient of Utilization

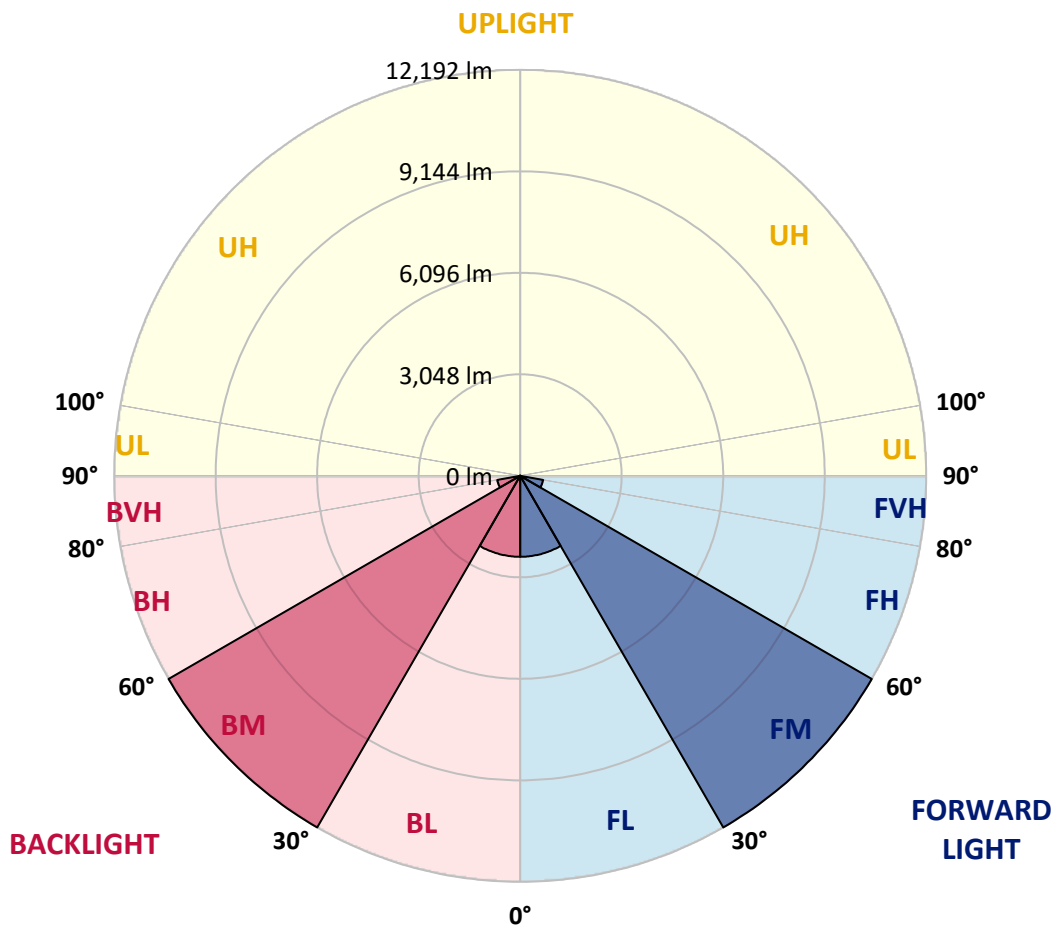


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2430.4	7.9			
FM (30°-60°)	12191.9	39.7			
FH (60°-80°)	698.2	2.3			G1/1800
FVH (80°-90°)	21.1	0.1			G1/100
BL (0°-30°)	2430.4	7.9	B3/2500		
BM (30°-60°)	12191.9	39.7	B5		
BH (60°-80°)	698.2	2.3	B2/1000		G1/1800
BVH (80°-90°)	21.1	0.1			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°	4253.9	4253.9	4253.9	4253.9	4253.9	4253.9	4253.9	4253.9	4253.9	4253.9	4253.9
2.5°	4238.4	4238.4	4233.2	4274.5	4253.9	4300.3	4295.2	4310.6	4326.1	4321.0	4362.3
5°	4202.2	4197.1	4197.1	4243.5	4290.0	4341.6	4388.1	4419.1	4470.7	4470.7	4522.3
7.5°	4238.4	4212.6	4248.7	4269.3	4357.1	4444.9	4522.3	4584.3	4703.0	4744.3	4728.8
10°	4248.7	4279.7	4305.5	4367.4	4475.8	4610.1	4677.2	4832.1	4966.3	5059.2	5079.9
12.5°	4315.8	4362.3	4434.5	4584.3	4682.3	4857.9	4950.8	5100.5	5286.4	5389.6	5461.9
15°	4444.9	4460.4	4553.3	4744.3	4956.0	5116.0	5260.5	5369.0	5549.6	5668.4	5673.5
17.5°	4610.1	4677.2	4806.2	4986.9	5208.9	5446.4	5560.0	5678.7	5745.8	5905.8	5942.0
20°	4940.5	4950.8	5074.7	5312.2	5590.9	5807.8	5890.4	5952.3	5926.5	6091.7	6122.7
22.5°	5250.2	5260.5	5415.4	5735.5	6034.9	6220.8	6256.9	6220.8	6143.3	6262.1	6272.4
25°	5565.1	5658.0	5771.6	6091.7	6463.4	6711.2	6716.3	6618.3	6458.2	6478.9	6530.5
27.5°	6055.6	6122.7	6241.4	6535.7	6943.5	7222.3	7175.8	7057.1	6850.6	6866.1	6850.6
30°	6628.6	6690.5	6788.6	7165.5	7464.9	7769.5	7836.6	7723.0	7413.3	7346.2	7423.6
32.5°	7320.4	7408.1	7588.8	7934.7	8187.6	8373.5	8420.0	8378.7	8089.6	8063.7	8115.4
35°	8161.8	8280.6	8445.8	8750.4	8956.9	9292.4	9292.4	9153.0	8889.7	8920.7	8915.6
37.5°	9049.8	9225.3	9483.4	9793.2	10071.9	10252.6	10195.8	10077.1	9813.8	9746.7	9813.8
40°	10164.9	10252.6	10577.9	10980.5	11321.3	11527.8	11285.1	11027.0	10397.2	10495.3	10676.0
42.5°	11181.9	11321.3	11569.1	12013.0	12400.2	12570.6	12281.5	11770.4	11011.5	10934.1	11068.3
45°	12049.2	12198.9	12524.1	13159.1	13566.9	13716.6	13076.5	12250.5	11383.2	11187.0	11243.8
47.5°	12627.4	12704.8	13159.1	13763.1	14134.8	14475.5	13556.6	12580.9	11558.7	11187.0	11166.4
50°	12405.4	12539.6	13071.3	13757.9	14434.2	14676.9	13799.2	12833.9	11615.5	11140.6	11078.6
52.5°	11016.7	11249.0	11842.7	12766.7	13788.9	14656.2	14134.8	12751.3	11594.9	11187.0	11280.0
55°	7666.2	7671.4	8394.1	9757.0	11563.9	13608.2	13644.4	12844.2	11729.1	11476.1	11481.3
57.5°	3082.0	3236.9	3789.2	5157.3	6824.8	9344.0	11109.6	11914.9	11744.6	11682.6	11842.7
60°	779.5	784.7	955.1	1455.8	2400.5	4006.1	5818.1	7872.7	9065.3	9473.1	9529.9
62.5°	397.5	402.7	444.0	516.2	655.6	1073.8	1910.1	3030.4	4310.6	4961.1	5131.5
65°	325.2	325.2	351.0	387.2	392.3	413.0	495.6	707.3	1027.3	1166.7	1182.2
67.5°	247.8	247.8	268.4	289.1	299.4	294.3	283.9	294.3	356.2	340.7	330.4
70°	154.9	160.0	170.4	191.0	201.3	206.5	211.7	222.0	253.0	263.3	253.0
72.5°	92.9	92.9	98.1	113.6	129.1	139.4	154.9	165.2	180.7	206.5	201.3
75°	41.3	41.3	51.6	67.1	82.6	98.1	113.6	129.1	139.4	154.9	160.0
77.5°	10.3	15.5	25.8	46.5	61.9	82.6	103.2	118.7	129.1	129.1	123.9
80°	5.2	5.2	20.6	36.1	67.1	87.8	113.6	123.9	139.4	129.1	113.6
82.5°	5.2	5.2	20.6	36.1	61.9	87.8	118.7	134.2	144.5	129.1	108.4
85°	0.0	5.2	15.5	31.0	51.6	61.9	51.6	36.1	20.6	20.6	15.5
87.5°	0.0	0.0	5.2	5.2	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)