

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: P458080

Luminaire Tested: **GALN-SA9C-727-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55786 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

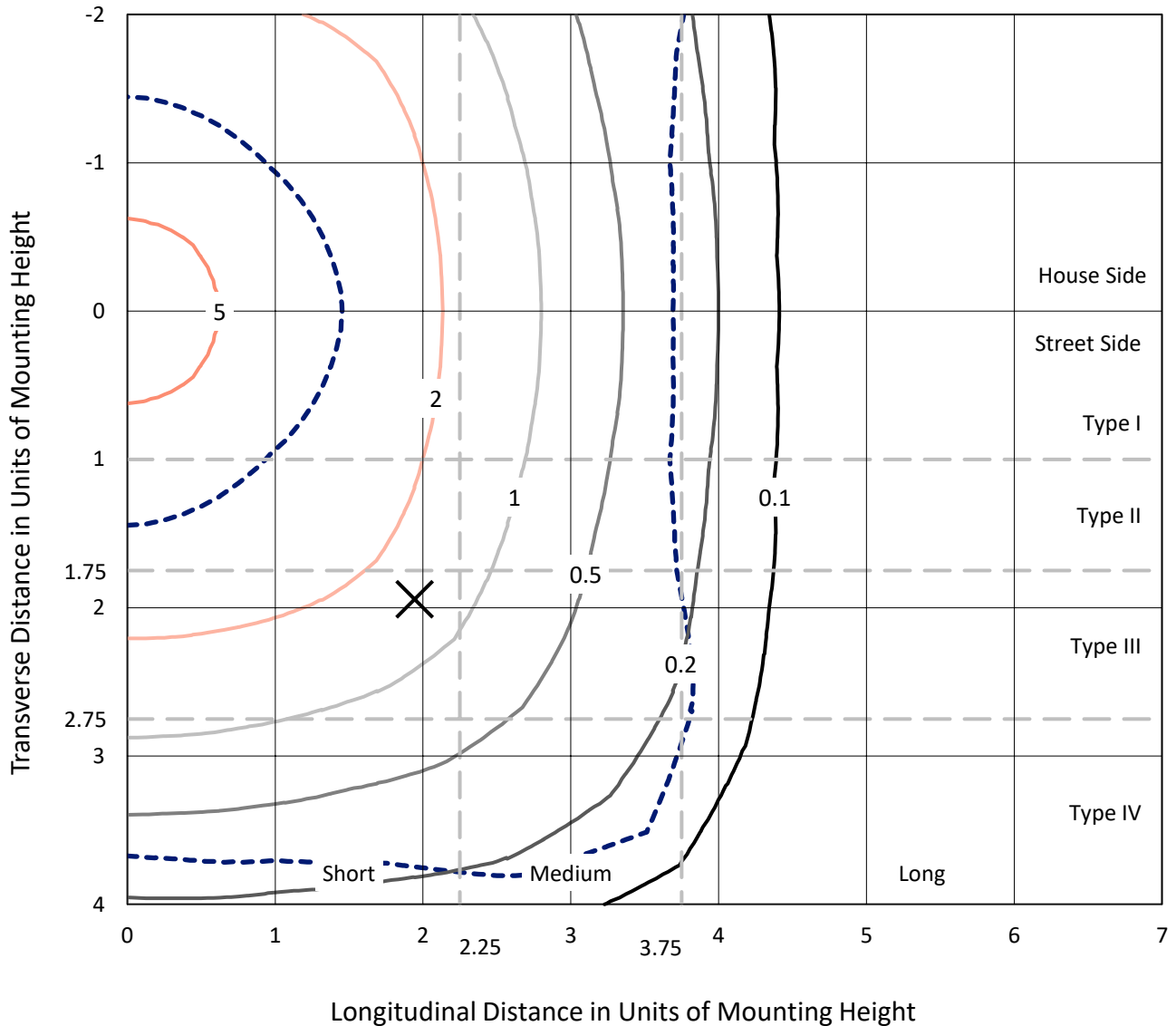
Input Watts (W): 481
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

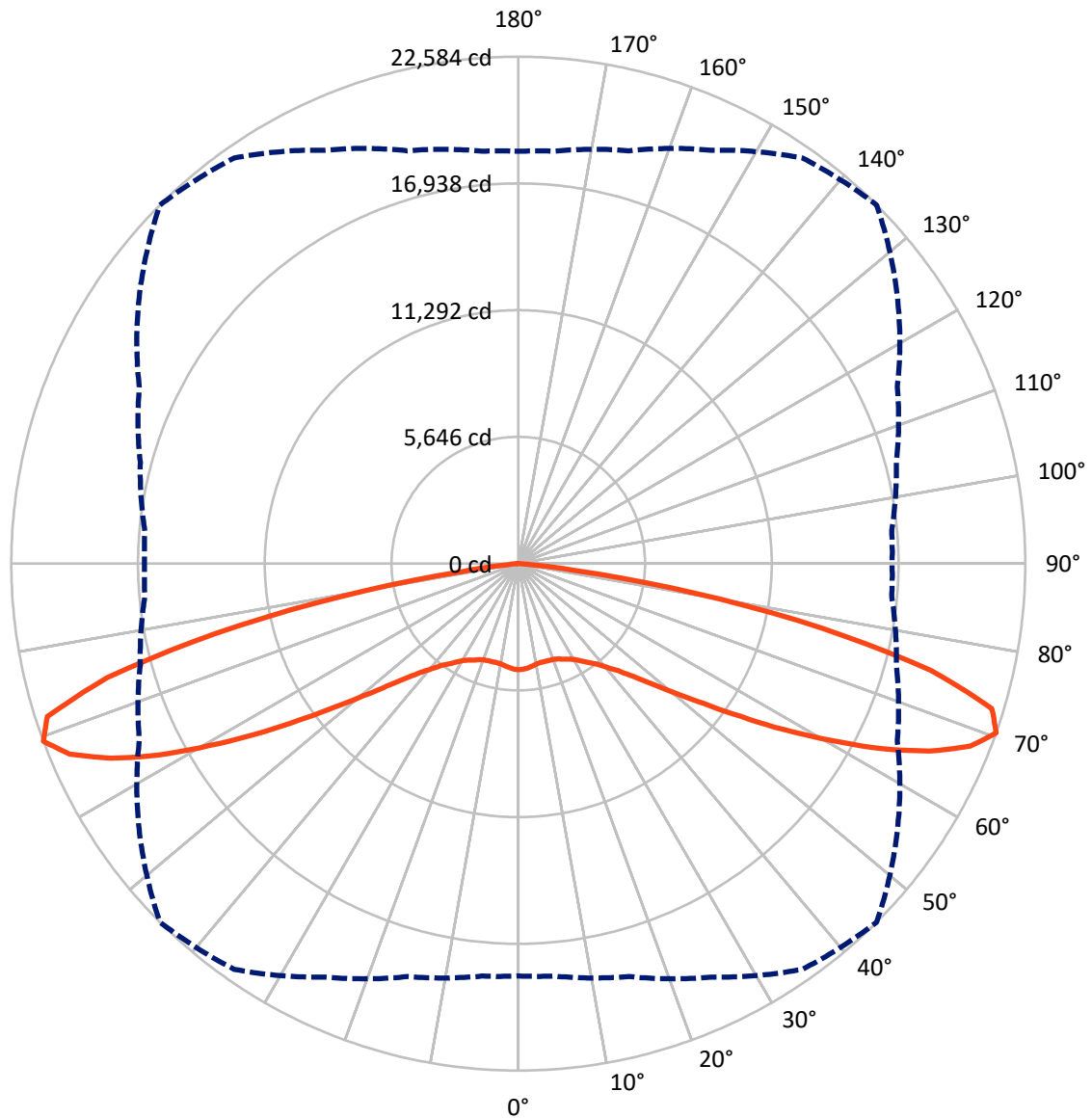
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27893.0	0.0	27893.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27893.0	0.0	27893.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	55786.0	0.0	55786.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.7	0.8
10°-20°	1293.1	2.3
20°-30°	2203.1	3.9
30°-40°	3414.7	6.1
40°-50°	5747.5	10.3
50°-60°	10457.3	18.7
60°-70°	17703.9	31.7
70°-80°	13703.6	24.6
80°-90°	821.1	1.5
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°	55786.0	100.0
0°-180°	55786.0	100.0

Coefficient of Utilization



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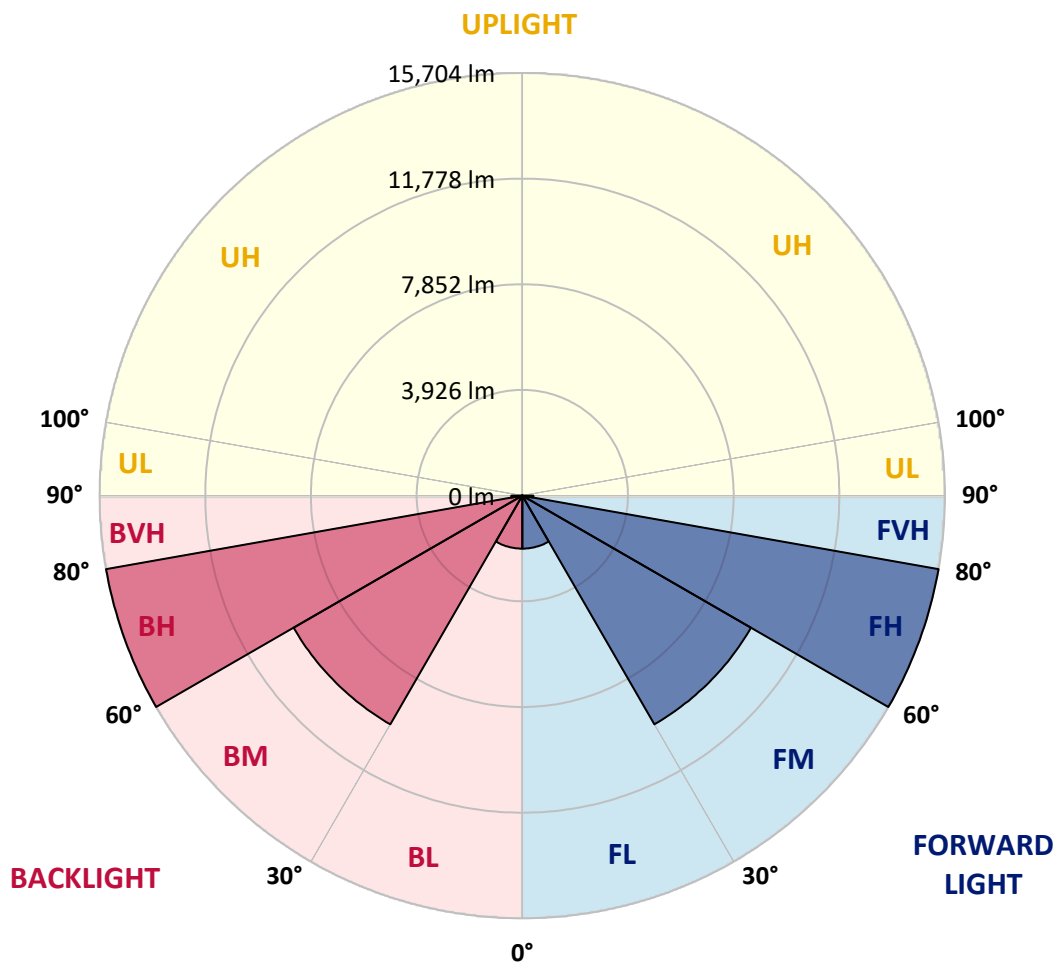
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1968.9	3.5			
FM (30°-60°)	9809.8	17.6			
FH (60°-80°)	15703.7	28.1			G5
FVH (80°-90°)	410.6	0.7			G3/500
BL (0°-30°)	1968.9	3.5	B3/2500		
BM (30°-60°)	9809.8	17.6	B5		
BH (60°-80°)	15703.7	28.1	B5		G5
BVH (80°-90°)	410.6	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4723.0	4723.0	4723.0	4723.0	4723.0	4723.0	4723.0	4723.0	4723.0	4723.0	4723.0
2.5°	4711.2	4714.1	4714.1	4708.2	4705.3	4705.3	4702.3	4702.3	4711.2	4714.1	4717.1
5°	4669.9	4669.9	4669.9	4667.0	4661.1	4661.1	4655.2	4655.2	4658.1	4667.0	4661.1
7.5°	4614.0	4619.8	4619.8	4608.1	4599.2	4599.2	4596.3	4599.2	4602.2	4611.0	4608.1
10°	4596.3	4599.2	4584.5	4563.9	4549.1	4540.3	4543.2	4549.1	4563.9	4569.8	4572.7
12.5°	4608.1	4608.1	4581.5	4552.1	4525.6	4513.8	4510.8	4531.5	4558.0	4575.7	4581.5
15°	4622.8	4616.9	4584.5	4546.2	4519.7	4516.7	4513.8	4528.5	4566.8	4602.2	4605.1
17.5°	4631.6	4628.7	4587.4	4540.3	4525.6	4525.6	4522.6	4534.4	4575.7	4619.8	4622.8
20°	4661.1	4652.3	4605.1	4555.0	4543.2	4549.1	4540.3	4555.0	4599.2	4652.3	4664.0
22.5°	4720.0	4711.2	4664.0	4614.0	4608.1	4608.1	4605.1	4619.8	4667.0	4723.0	4731.8
25°	4790.7	4781.9	4737.7	4702.3	4708.2	4720.0	4714.1	4717.1	4755.4	4802.5	4817.3
27.5°	4885.0	4870.3	4832.0	4802.5	4820.2	4820.2	4820.2	4817.3	4840.8	4885.0	4899.7
30°	4999.9	4994.0	4952.8	4949.8	4964.6	4949.8	4949.8	4952.8	4955.7	4997.0	5011.7
32.5°	5150.2	5138.4	5117.8	5111.9	5153.1	5164.9	5123.7	5085.4	5106.0	5147.2	5156.1
35°	5397.7	5380.0	5350.5	5318.1	5350.5	5406.5	5318.1	5288.7	5341.7	5397.7	5403.6
37.5°	5733.6	5724.7	5677.6	5618.7	5615.7	5674.6	5583.3	5580.4	5680.5	5748.3	5757.1
40°	6154.9	6163.7	6104.8	6048.8	6019.4	6066.5	5995.8	6022.3	6119.5	6196.1	6190.2
42.5°	6747.1	6714.7	6623.4	6570.3	6537.9	6520.2	6502.6	6543.8	6652.8	6735.3	6800.1
45°	7439.5	7427.7	7312.8	7248.0	7177.3	7150.7	7144.9	7218.5	7351.1	7451.3	7460.1
47.5°	8223.2	8196.7	8123.0	8055.3	8028.8	7996.3	7966.9	8022.9	8155.4	8226.2	8246.8
50°	9030.5	9036.4	9036.4	9024.6	9051.1	9057.0	8977.5	8998.1	9071.8	9065.9	9060.0
52.5°	9952.7	9985.1	10138.3	10153.1	10279.7	10365.2	10220.8	10135.4	10108.9	9949.8	9961.5
55°	11037.0	11066.4	11296.2	11526.0	11867.8	12012.2	11708.7	11443.5	11255.0	11013.4	11025.2
57.5°	12389.3	12404.1	12622.1	13064.0	13606.2	13945.0	13411.7	12887.3	12504.2	12274.4	12183.1
60°	13844.8	13859.5	14177.7	14716.9	15559.6	15972.1	15312.1	14454.7	13971.5	13620.9	13644.5
62.5°	15592.0	15650.9	15936.7	16679.2	17701.6	18164.1	17289.1	16142.9	15488.9	15052.8	15070.5
65°	17462.9	17563.1	17875.4	18691.5	19634.3	20132.3	19059.8	17736.9	16923.7	16390.4	16446.4
67.5°	18676.8	18765.2	19216.0	20117.5	21293.1	21705.6	20320.8	18779.9	17763.4	17127.0	17009.2
70°	18367.4	18441.1	19042.1	20320.8	22062.1	22583.6	20621.4	18626.7	17430.5	16696.9	16649.7
72.5°	16213.7	16060.4	16938.5	18774.0	21184.1	22059.2	19675.6	17012.1	15506.5	14752.3	14663.9
75°	10745.3	11078.2	12374.6	14537.2	17922.5	19006.8	16794.1	13659.2	11764.7	11137.1	11039.9
77.5°	3591.6	3847.9	4999.9	8240.9	12218.4	13847.8	12236.1	8933.3	6319.9	5091.3	5114.8
80°	951.7	939.9	1216.8	2265.7	5279.8	8019.9	6146.0	3025.9	1655.8	1199.2	1137.3
82.5°	341.8	383.0	492.0	627.6	1399.5	2492.6	1759.0	848.5	621.7	459.6	444.9
85°	150.3	147.3	212.1	250.4	350.6	465.5	412.5	359.5	315.3	209.2	194.5
87.5°	32.4	32.4	50.1	38.3	61.9	61.9	76.6	91.3	94.3	61.9	50.1
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)