

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: P532147

Luminaire Tested: **GALN-SA7C-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532147
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-SA7C-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 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: 26764 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

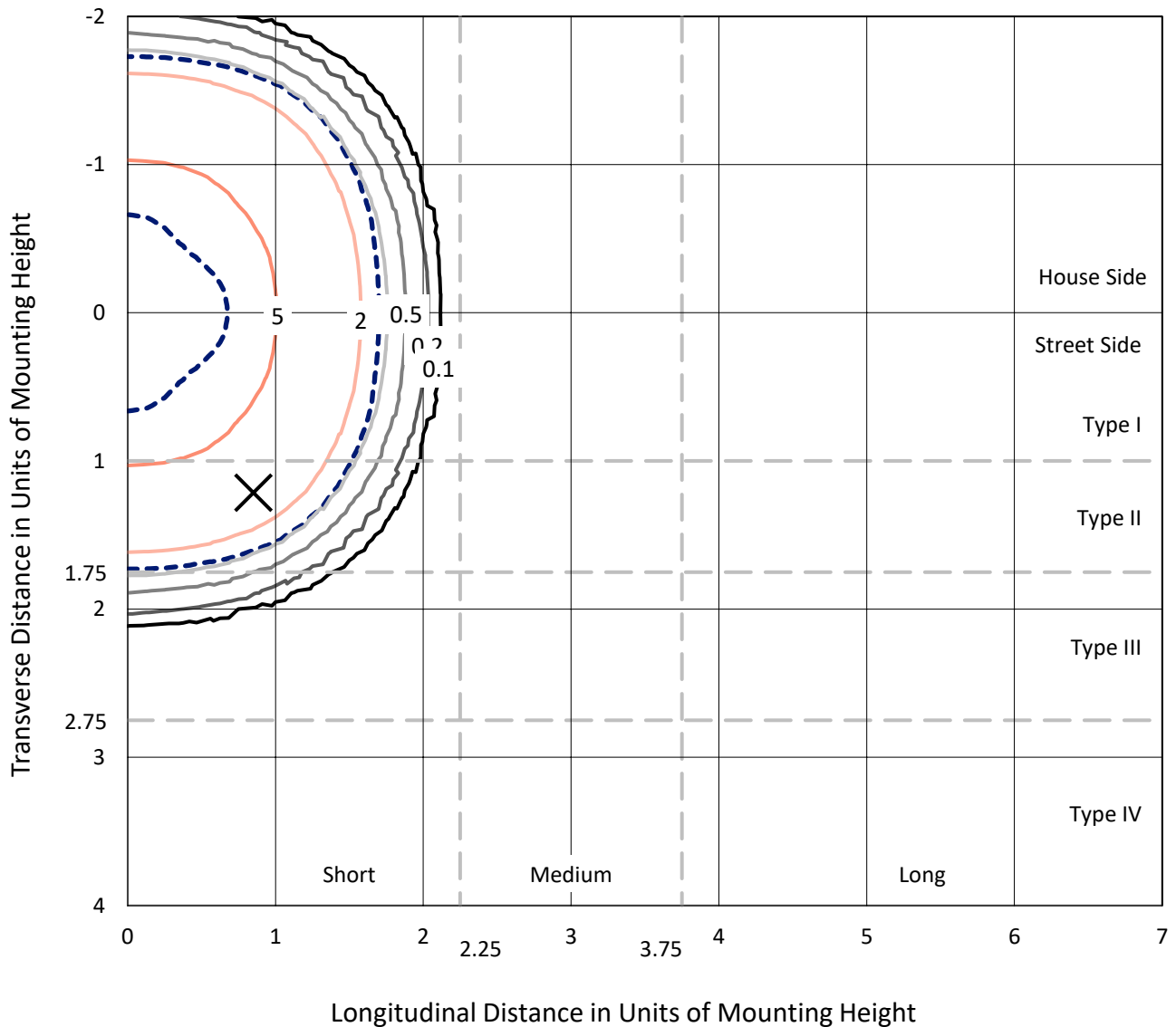
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

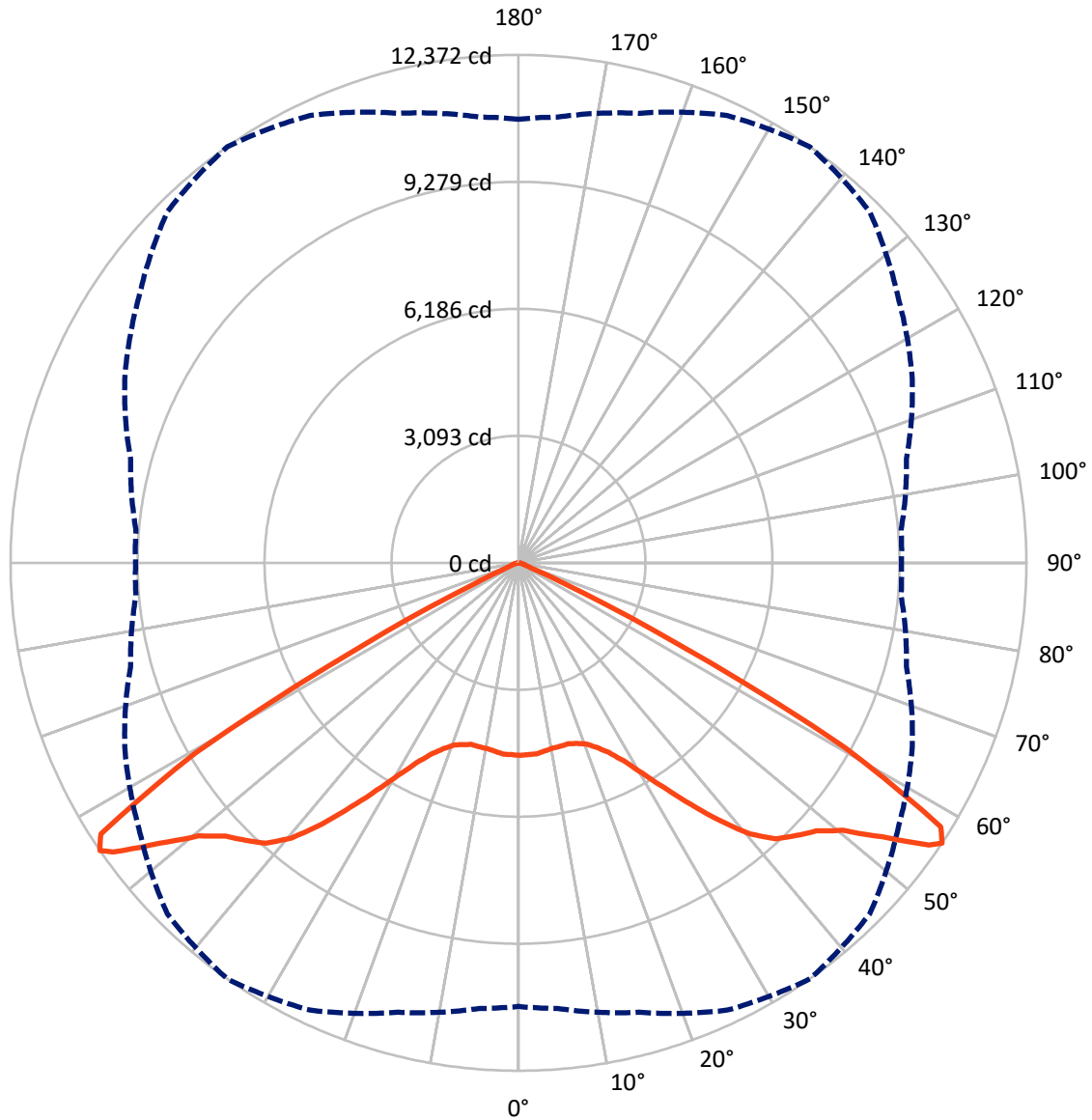
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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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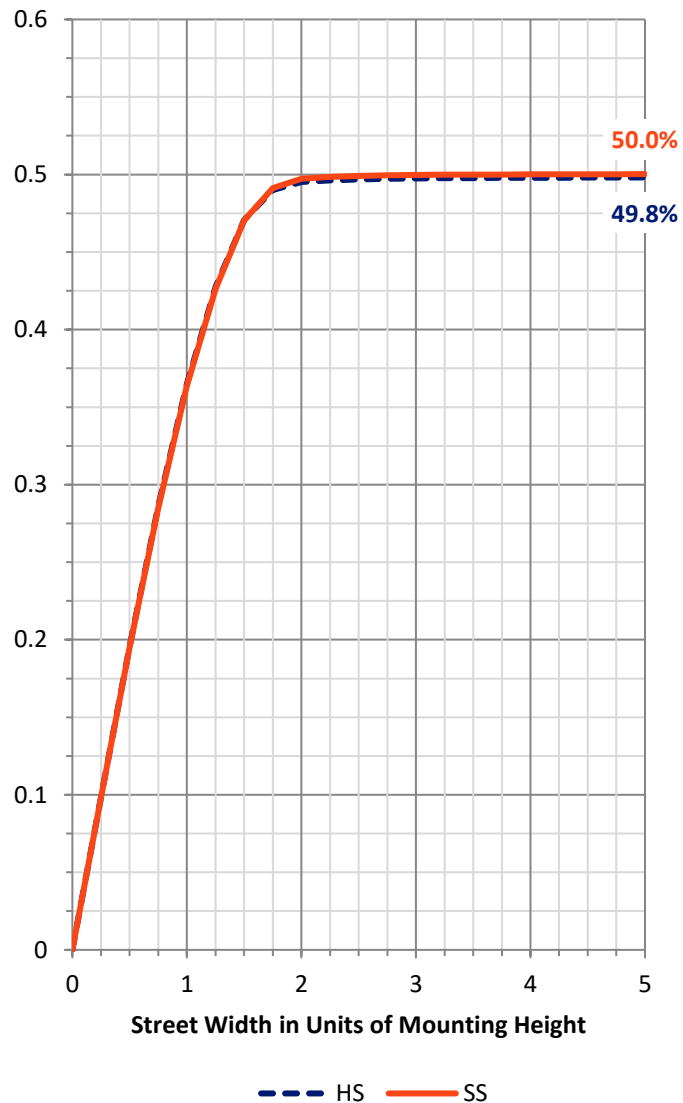
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13382.0	0.0	13382.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13382.0	0.0	13382.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26764.0	0.0	26764.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.8	1.6
10°-20°	1286.8	4.8
20°-30°	2330.2	8.7
30°-40°	4321.0	16.1
40°-50°	7092.6	26.5
50°-60°	9137.4	34.1
60°-70°	2013.8	7.5
70°-80°	116.8	0.4
80°-90°	24.6	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°	26764.0	100.0
0°-180°	26764.0	100.0

Coefficient of Utilization



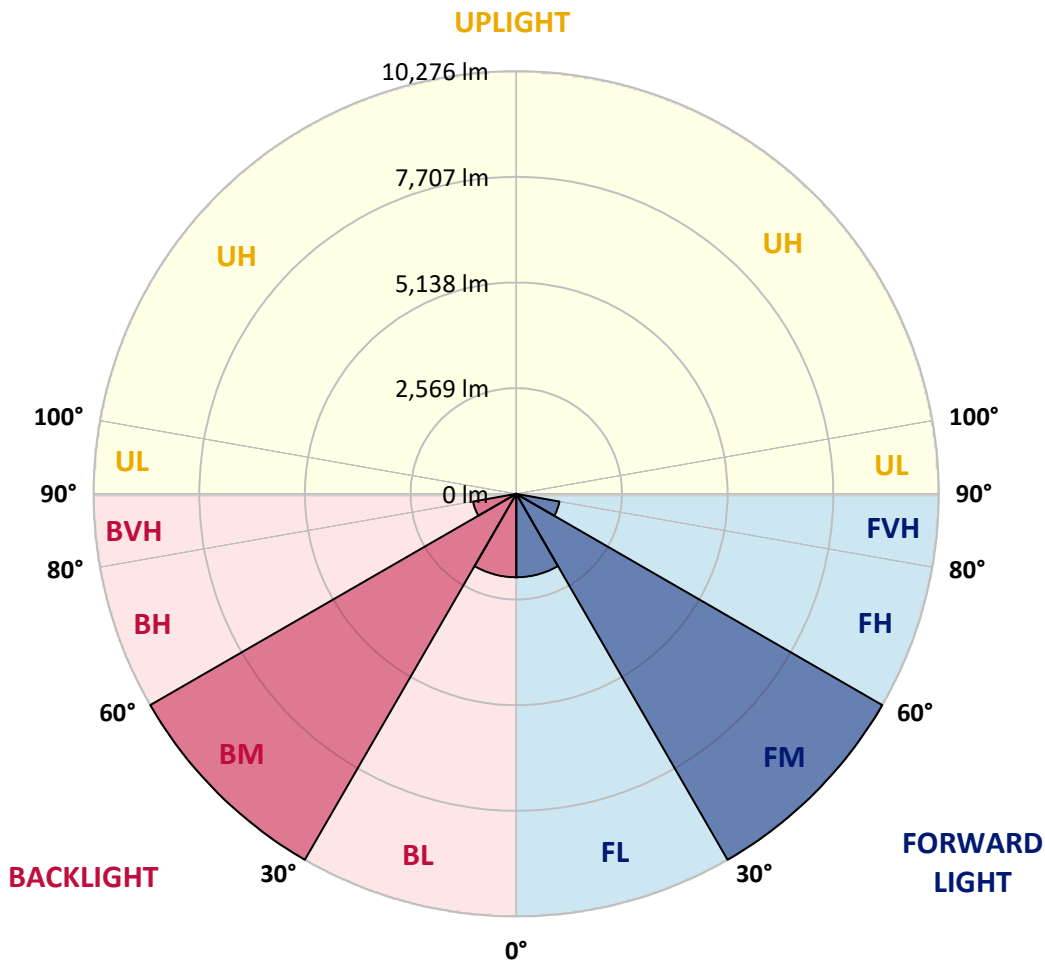
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2028.9	7.6			
FM	(30°-60°)	10275.5	38.4			
FH	(60°-80°)	1065.3	4.0			G1/1800
FVH	(80°-90°)	12.3	0.0			G1/100
BL	(0°-30°)	2028.9	7.6	B3/2500		
BM	(30°-60°)	10275.5	38.4	B5		
BH	(60°-80°)	1065.3	4.0	B3/2500		G1/1800
BVH	(80°-90°)	12.3	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°	4689.6	4689.6	4689.6	4689.6	4689.6	4689.6	4689.6	4689.6	4689.6	4689.6	4689.6
2.5°	4699.3	4699.3	4704.2	4709.0	4675.1	4660.5	4665.4	4655.7	4650.8	4665.4	4665.4
5°	4684.8	4684.8	4670.2	4675.1	4675.1	4631.4	4631.4	4641.1	4641.1	4612.0	4602.3
7.5°	4646.0	4636.3	4616.9	4641.1	4626.6	4626.6	4592.6	4568.4	4558.7	4578.1	4558.7
10°	4563.5	4568.4	4587.8	4597.5	4587.8	4616.9	4558.7	4524.7	4490.8	4476.2	4476.2
12.5°	4524.7	4553.8	4524.7	4549.0	4582.9	4558.7	4524.7	4500.5	4452.0	4432.6	4432.6
15°	4519.9	4539.3	4549.0	4582.9	4568.4	4578.1	4510.2	4481.1	4408.3	4374.4	4359.9
17.5°	4515.0	4539.3	4553.8	4616.9	4626.6	4631.4	4578.1	4490.8	4427.7	4393.8	4359.9
20°	4568.4	4578.1	4607.2	4670.2	4709.0	4776.9	4679.9	4587.8	4452.0	4413.2	4398.6
22.5°	4636.3	4684.8	4713.9	4781.8	4883.6	4941.8	4815.7	4699.3	4558.7	4510.2	4452.0
25°	4854.5	4844.8	4893.3	5034.0	5116.4	5160.0	5058.2	4888.5	4704.2	4646.0	4655.7
27.5°	5126.1	5135.8	5179.4	5334.6	5455.9	5523.8	5402.5	5179.4	5000.0	4903.0	4893.3
30°	5480.1	5470.4	5518.9	5727.5	5945.7	6047.5	5834.1	5572.3	5397.7	5271.6	5300.7
32.5°	5853.5	5858.4	5994.2	6183.3	6537.4	6736.2	6391.9	6071.8	5809.9	5722.6	5679.0
35°	6406.4	6430.7	6537.4	6828.3	7221.2	7478.2	7099.9	6716.8	6416.1	6256.1	6275.5
37.5°	7090.2	7066.0	7245.4	7560.6	7972.9	8162.0	7841.9	7405.4	7099.9	6993.2	7061.1
40°	7817.7	7841.9	7934.1	8220.2	8680.9	8807.0	8331.7	8094.1	7827.4	7774.0	7856.5
42.5°	8545.1	8530.6	8598.5	8855.5	9190.1	9102.8	8821.5	8680.9	8491.8	8385.1	8496.6
45°	9078.6	9054.3	9180.4	9355.0	9476.3	9311.4	9185.3	9136.8	9039.8	8923.4	9025.2
47.5°	9597.5	9578.1	9699.3	9747.8	9757.5	9539.3	9563.5	9650.8	9408.4	9165.9	9282.3
50°	10038.8	10004.9	10155.2	10261.9	10237.6	9888.5	9975.8	9888.5	9510.2	9224.1	9180.4
52.5°	10776.0	10790.5	10950.5	11144.5	11086.3	10795.4	10669.3	10271.6	9786.6	9529.6	9379.3
55°	11241.5	11168.8	11445.2	12061.1	12129.0	11828.3	11270.6	10683.8	9956.4	9641.1	9602.3
56°	10805.1	10897.2	11333.7	12022.3	12371.5	12095.1	11285.2	10582.0	9781.8	9355.0	9325.9
57.5°	9694.5	9646.0	10237.6	11178.5	12129.0	12012.6	10887.5	9854.5	8923.4	8443.3	8385.1
60°	6033.0	6173.6	6692.5	7856.5	9127.1	9185.3	8069.8	7182.4	6096.0	5669.3	5771.1
62.5°	2361.8	2240.5	2565.5	3433.6	4306.5	4500.5	4078.6	3389.9	2783.7	2361.8	2332.7
65°	548.0	533.5	601.4	829.3	1159.1	1343.4	1275.5	916.6	674.1	640.2	591.7
67.5°	310.4	310.4	295.8	295.8	324.9	344.3	329.8	324.9	339.5	354.0	349.2
70°	218.2	213.4	203.7	208.5	198.8	198.8	213.4	237.6	257.0	257.0	261.9
72.5°	130.9	130.9	130.9	145.5	145.5	145.5	160.0	179.4	184.3	179.4	174.6
75°	58.2	58.2	67.9	82.4	92.1	97.0	111.5	121.2	130.9	121.2	111.5
77.5°	14.5	14.5	24.2	33.9	43.6	53.3	72.7	87.3	92.1	87.3	72.7
80°	4.8	4.8	9.7	24.2	43.6	53.3	72.7	77.6	82.4	72.7	58.2
82.5°	4.8	4.8	9.7	24.2	33.9	43.6	58.2	67.9	72.7	63.0	58.2
85°	0.0	4.8	9.7	19.4	29.1	38.8	38.8	29.1	24.2	14.5	19.4
87.5°	0.0	0.0	4.8	4.8	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)