

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: P533968

Luminaire Tested: **GALN-SA9C-722-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-722-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41355 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

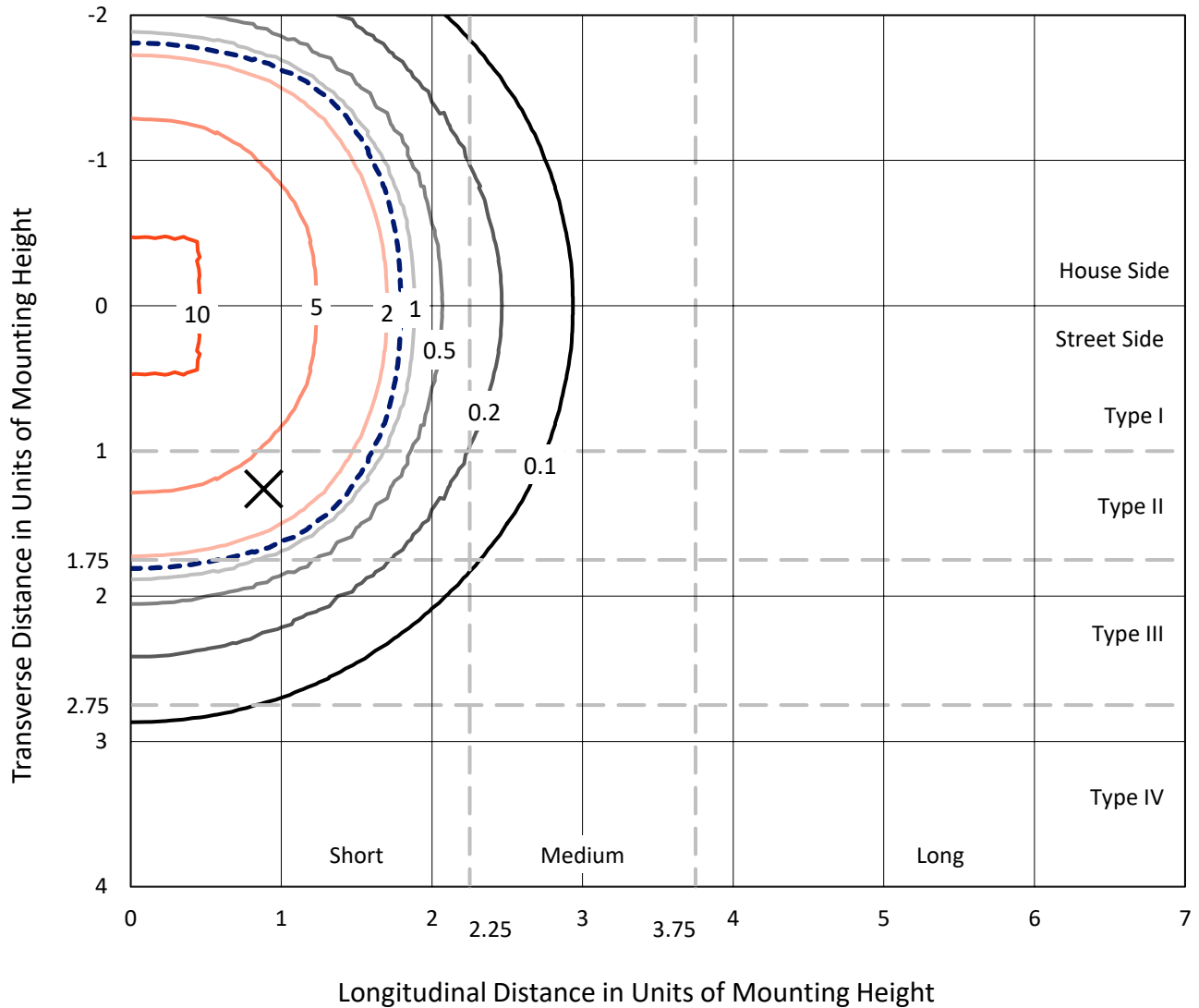
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

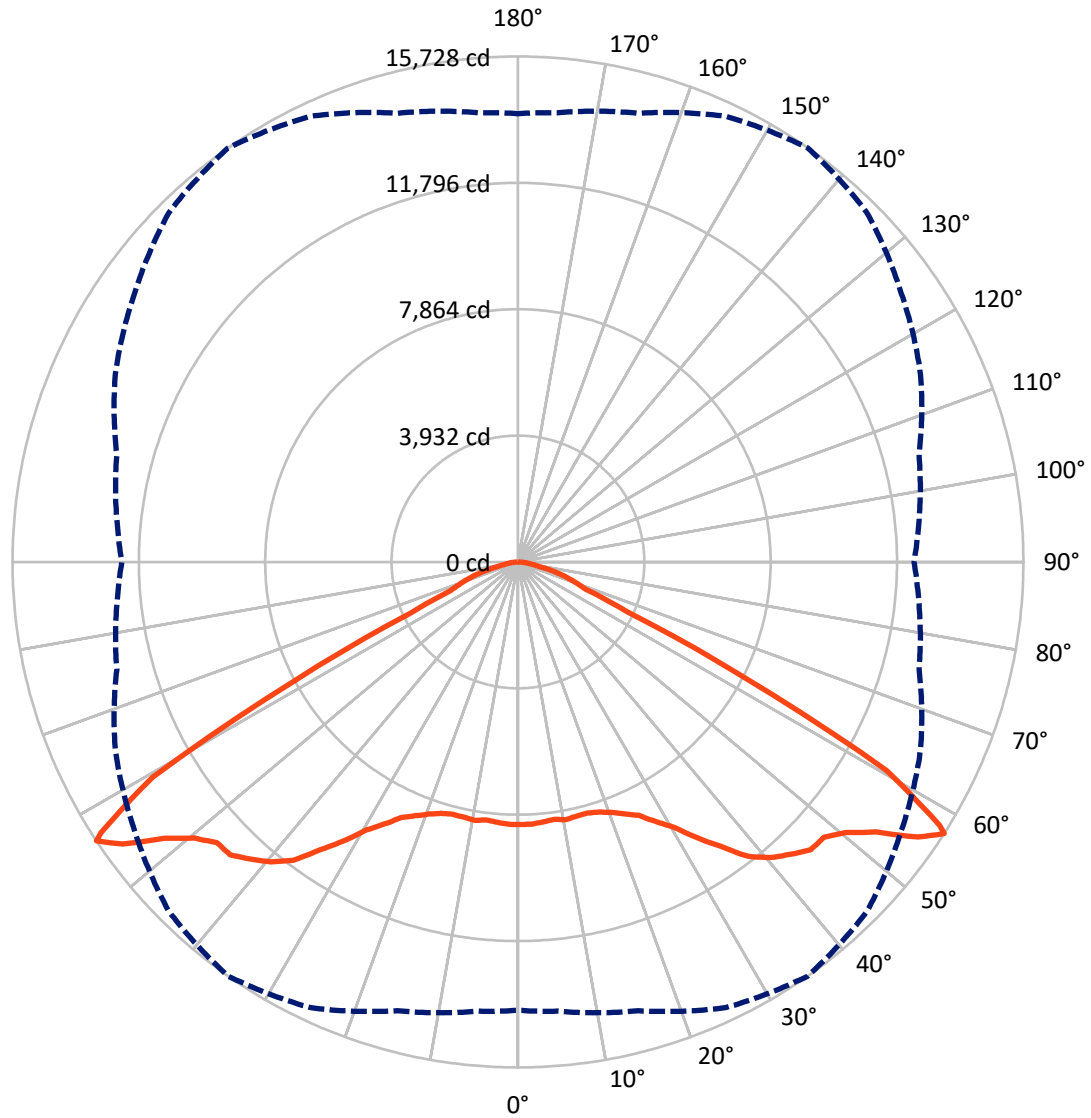
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical



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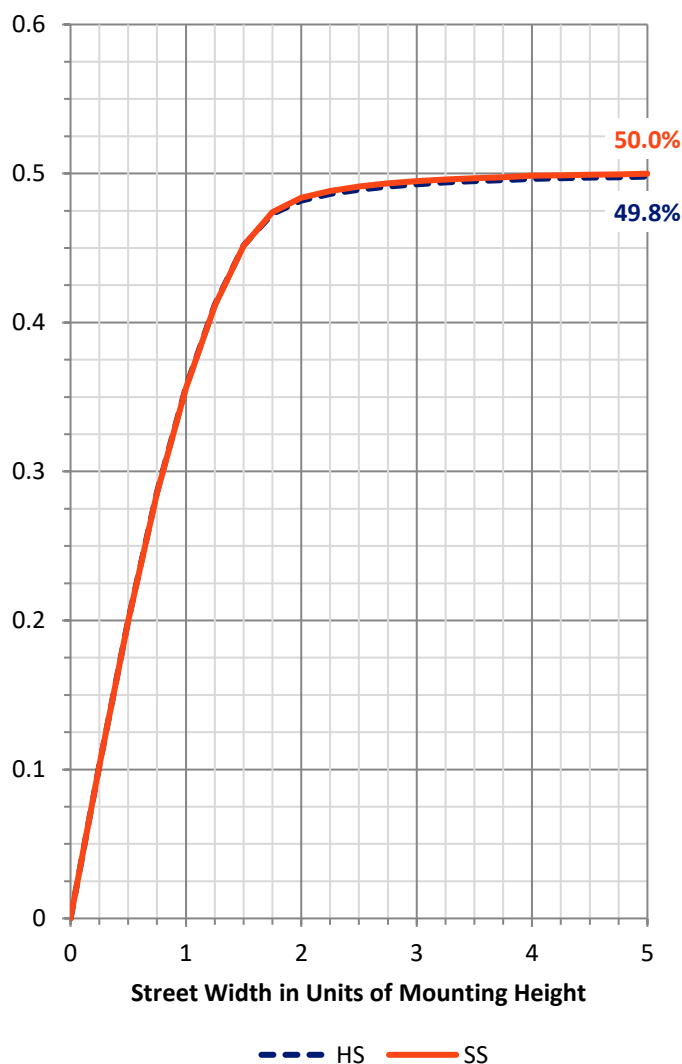
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20677.5	0.0	20677.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20677.5	0.0	20677.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41355.0	0.0	41355.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	774.3	1.9
10°-20°	2293.2	5.5
20°-30°	4005.1	9.7
30°-40°	6562.5	15.9
40°-50°	9622.1	23.3
50°-60°	12119.8	29.3
60°-70°	4558.2	11.0
70°-80°	1212.0	2.9
80°-90°	207.8	0.5
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°	41355.0	100.0
0°-180°	41355.0	100.0

Coefficient of Utilization

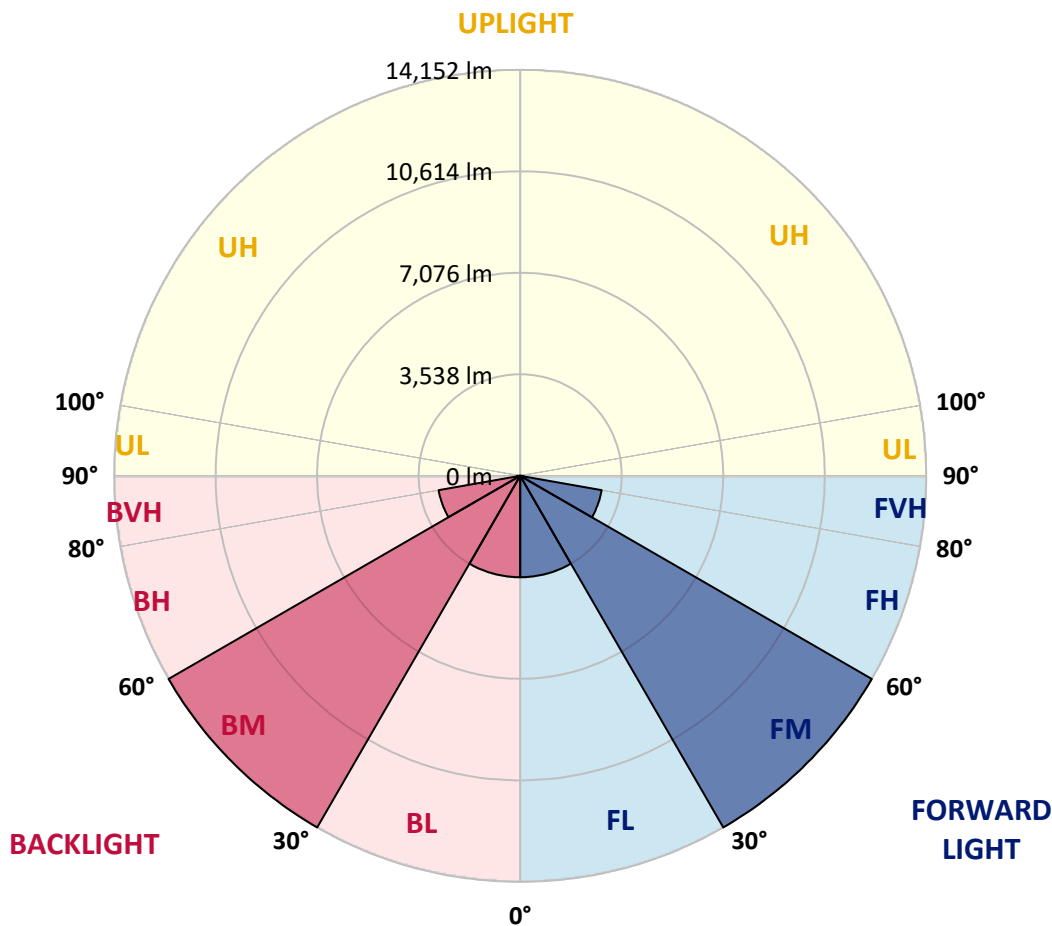


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3536.3	8.6			
FM (30°-60°)	14152.2	34.2			
FH (60°-80°)	2885.1	7.0			G2/5000
FVH (80°-90°)	103.9	0.3			G2/225
BL (0°-30°)	3536.3	8.6	B4/5000		
BM (30°-60°)	14152.2	34.2	B5		
BH (60°-80°)	2885.1	7.0	B4/5000		G2/5000
BVH (80°-90°)	103.9	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8167.3	8167.3	8167.3	8167.3	8167.3	8167.3	8167.3	8167.3	8167.3	8167.3	8167.3
2.5°	8126.5	8208.1	8172.4	8152.0	8167.3	8141.8	8101.1	8146.9	8136.7	8096.0	8080.7
5°	8106.2	8167.3	8126.5	8167.3	8126.5	8197.9	8177.5	8101.1	8192.8	8106.2	8136.7
7.5°	8090.9	8111.3	8121.5	8101.1	8085.8	8172.4	8126.5	8090.9	8039.9	8024.6	8050.1
10°	8055.2	8106.2	8029.7	8131.6	8152.0	8090.9	8090.9	8024.6	7983.9	7958.4	8045.0
12.5°	8146.9	8060.3	8050.1	8101.1	8116.4	8141.8	8070.5	8034.8	7958.4	7968.6	7953.3
15°	8039.9	8075.6	8080.7	8090.9	8106.2	8167.3	8101.1	8024.6	7994.1	7887.1	7897.3
17.5°	8080.7	8045.0	8080.7	8197.9	8177.5	8223.4	8152.0	8034.8	7963.5	7902.4	7983.9
20°	8152.0	8136.7	8152.0	8294.7	8320.2	8360.9	8299.8	8192.8	8055.2	7983.9	8024.6
22.5°	8228.4	8218.3	8228.4	8366.0	8513.8	8564.7	8503.6	8253.9	8182.6	8050.1	8004.3
25°	8366.0	8376.2	8483.2	8636.0	8732.9	8829.7	8717.6	8539.2	8310.0	8228.4	8131.6
27.5°	8671.7	8697.2	8758.3	8982.5	9150.6	9237.3	9079.3	8834.8	8692.1	8524.0	8498.5
30°	9048.7	9048.7	9155.7	9349.4	9578.6	9711.1	9517.5	9227.1	9053.8	8962.1	8906.1
32.5°	9548.1	9492.0	9532.8	9874.1	10230.8	10342.9	10083.0	9726.4	9451.3	9329.0	9288.2
35°	9976.0	10011.7	10103.4	10470.3	10867.7	11127.5	10719.9	10256.3	9976.0	9863.9	9843.6
37.5°	10531.4	10592.5	10638.4	11142.8	11621.7	11718.5	11326.2	10954.3	10612.9	10521.2	10470.3
40°	11316.0	11275.3	11290.6	11662.5	12095.6	12156.7	11769.5	11504.5	11224.3	11168.3	11168.3
42.5°	11963.1	11917.2	11968.2	12105.8	12436.9	12391.1	12177.1	11983.5	11866.3	11805.1	11866.3
45°	12355.4	12345.2	12436.9	12538.8	12773.2	12620.4	12452.2	12482.8	12370.7	12268.8	12263.7
47.5°	12783.4	12717.2	12829.2	12982.1	12803.8	12732.4	12722.3	12788.5	12752.8	12574.5	12518.4
50°	12992.3	12966.8	13145.1	13323.5	13226.7	13063.6	13099.3	13206.3	12747.7	12508.3	12370.7
52.5°	13552.7	13557.8	13899.2	13996.0	13955.2	13715.8	13792.2	13501.8	12961.7	12625.4	12640.7
55°	14434.2	14398.5	14780.6	15066.0	15111.8	14806.1	14439.3	14031.7	13354.0	13012.7	12910.8
57°	13950.1	14031.7	14454.6	15300.3	15728.3	15366.6	14566.6	13822.8	12921.0	12508.3	12324.8
57.5°	13303.1	13435.6	14169.2	15020.1	15468.5	15437.9	14408.7	13435.6	12630.5	11988.6	12003.9
60°	9746.8	9772.2	10434.6	11784.8	13185.9	13216.5	11963.1	10674.1	9777.3	9079.3	9176.1
62.5°	5140.9	5258.1	5523.0	6608.2	7820.8	8116.4	7357.2	6694.8	5920.4	5390.5	5441.5
65°	2720.7	2705.5	2832.8	3138.5	3734.6	3887.5	3785.6	3260.8	2990.8	2904.2	2909.3
67.5°	2211.2	2236.7	2221.4	2236.7	2277.5	2343.7	2328.4	2348.8	2364.1	2389.6	2384.5
70°	1875.0	1875.0	1885.2	1890.3	1890.3	1920.8	1956.5	2022.7	2027.8	2053.3	2063.5
72.5°	1477.6	1467.4	1482.6	1518.3	1523.4	1548.9	1599.8	1640.6	1655.9	1655.9	1625.3
75°	1003.7	1013.9	1034.3	1064.9	1095.4	1141.3	1182.0	1207.5	1217.7	1202.4	1187.1
77.5°	565.5	575.7	591.0	636.9	672.5	713.3	759.2	784.6	810.1	815.2	784.6
80°	336.3	336.3	361.7	397.4	438.2	478.9	519.7	550.3	560.5	560.5	545.2
82.5°	203.8	208.9	229.3	264.9	300.6	326.1	361.7	387.2	407.6	402.5	392.3
85°	107.0	107.0	127.4	157.9	183.4	208.9	208.9	193.6	183.4	157.9	147.8
87.5°	35.7	30.6	40.8	40.8	35.7	40.8	40.8	45.9	45.9	45.9	45.9
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)