

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: P534132

Luminaire Tested: **GALN-SA9C-760-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-760-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55846 lumens
Efficiency: N/A
Efficacy: 116.1 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

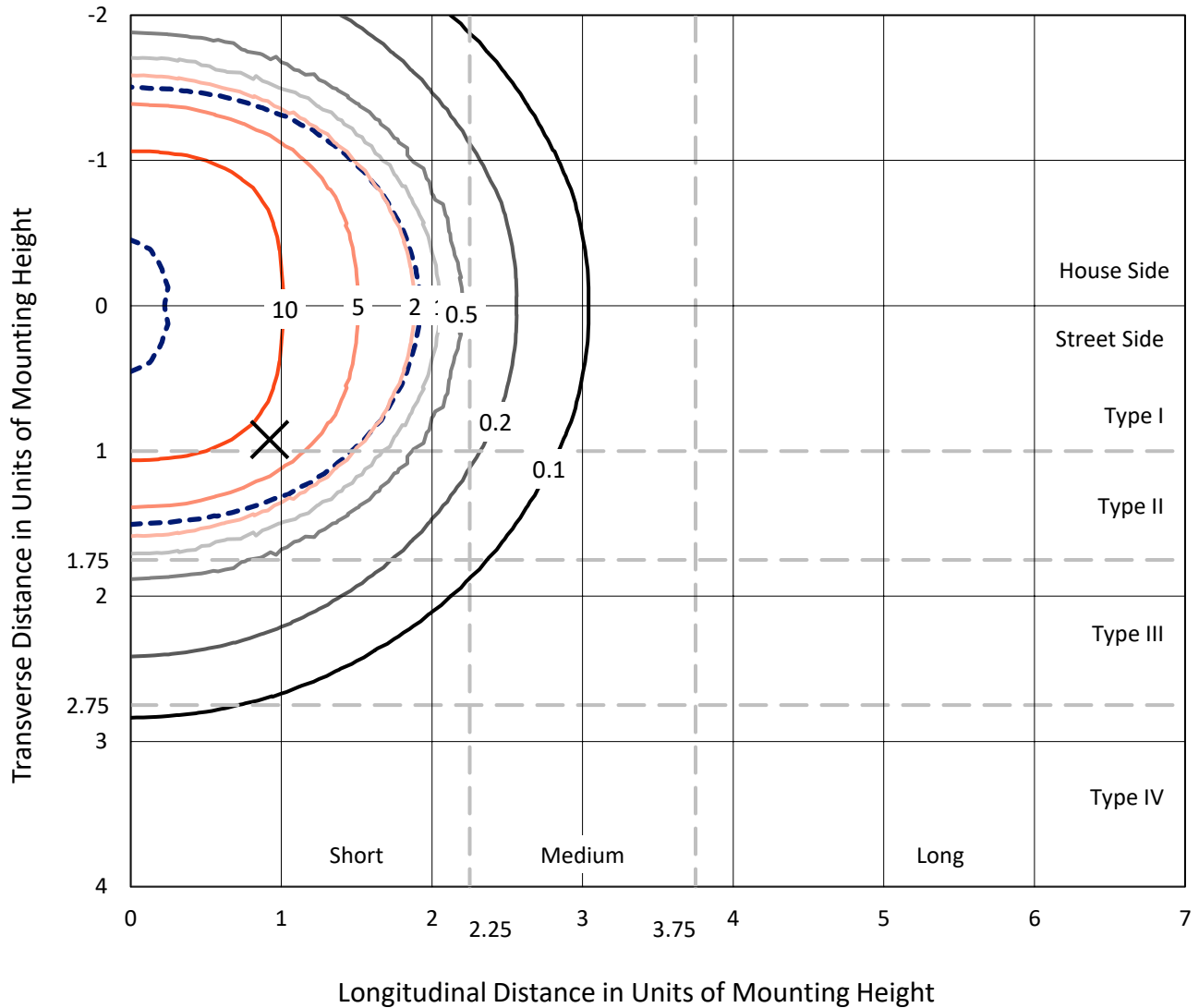
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

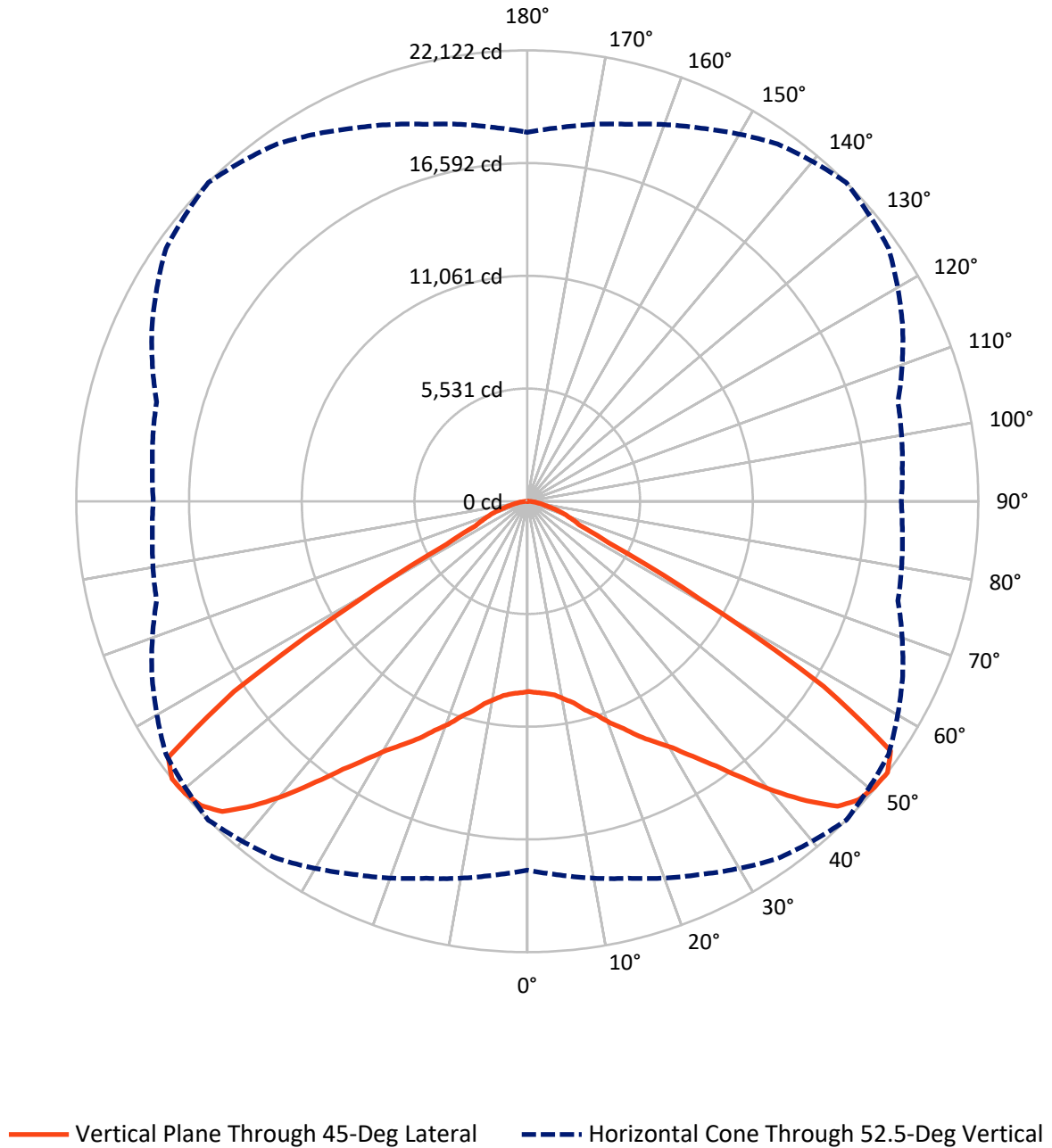
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 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	27923.0	0.0	27923.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27923.0	0.0	27923.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	55846.0	0.0	55846.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	917.2	1.6
10°-20°	3013.8	5.4
20°-30°	5737.8	10.3
30°-40°	9852.2	17.6
40°-50°	15143.1	27.1
50°-60°	15377.6	27.5
60°-70°	4285.5	7.7
70°-80°	1264.2	2.3
80°-90°	254.6	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°	55846.0	100.0
0°-180°	55846.0	100.0

Coefficient of Utilization



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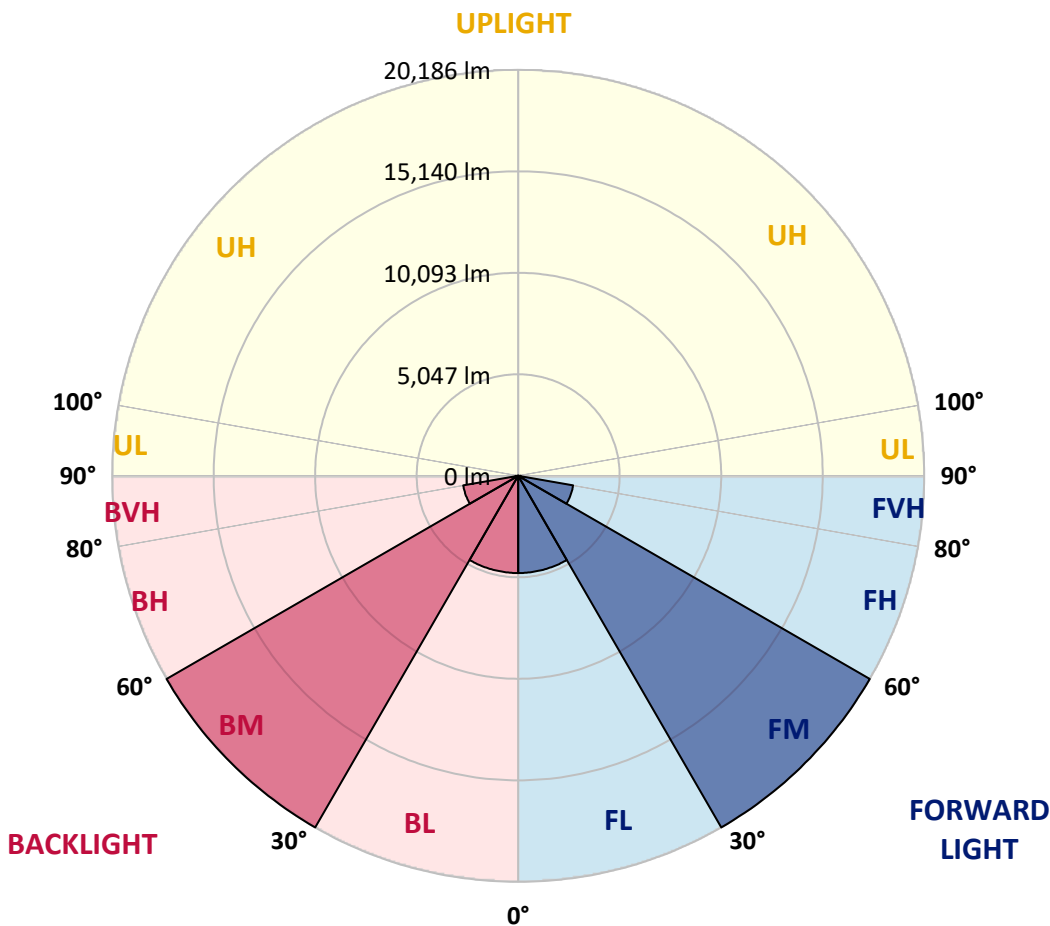
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4834.4	8.7			
FM	(30°-60°)	20186.5	36.1			
FH	(60°-80°)	2774.9	5.0			G2/5000
FVH	(80°-90°)	127.3	0.2			G2/225
BL	(0°-30°)	4834.4	8.7	B4/5000		
BM	(30°-60°)	20186.5	36.1	B5		
BH	(60°-80°)	2774.9	5.0	B4/5000		G2/5000
BVH	(80°-90°)	127.3	0.2			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°	9335.4	9335.4	9335.4	9335.4	9335.4	9335.4	9335.4	9335.4	9335.4	9335.4	9335.4
2.5°	9356.2	9259.2	9293.8	9314.6	9404.7	9397.8	9377.0	9404.7	9432.4	9439.4	9425.5
5°	9349.3	9280.0	9307.7	9328.5	9418.6	9467.1	9453.2	9571.0	9654.2	9633.4	9737.4
7.5°	9293.8	9335.4	9300.7	9404.7	9480.9	9598.8	9723.5	9834.4	9938.3	10056.2	10077.0
10°	9418.6	9418.6	9480.9	9564.1	9765.1	9855.2	10035.4	10194.8	10395.8	10534.4	10478.9
12.5°	9550.2	9571.0	9571.0	9785.9	9952.2	10153.2	10319.5	10534.4	10818.5	10984.9	11068.0
15°	9681.9	9695.8	9765.1	10056.2	10305.7	10624.5	10776.9	10971.0	11130.4	11442.3	11449.2
17.5°	9799.7	9876.0	10083.9	10409.6	10721.5	11026.4	11269.0	11470.0	11608.6	11733.4	11705.6
20°	10243.3	10298.7	10513.6	10839.3	11303.7	11601.7	11684.8	11719.5	11809.6	12059.1	11982.8
22.5°	10673.0	10693.8	10894.8	11393.8	11719.5	12114.5	12204.6	12183.8	12218.5	12280.9	12391.7
25°	11116.5	11151.2	11428.4	11851.2	12308.6	12779.9	12856.1	12696.7	12648.2	12717.5	12724.4
27.5°	11684.8	11691.8	12045.2	12412.5	12932.3	13375.9	13493.7	13369.0	13140.2	13195.7	13285.8
30°	12405.6	12357.1	12710.6	13237.3	13784.8	14034.3	14235.3	14172.9	13923.4	13874.9	13798.6
32.5°	13237.3	13251.1	13569.9	14145.2	14505.6	14921.4	15136.2	15032.3	14872.9	14789.7	14838.2
35°	14408.5	14470.9	14685.7	15164.0	15746.1	15954.0	16293.6	16071.8	15656.0	15760.0	15850.1
37.5°	15371.9	15552.1	15954.0	16522.3	16868.9	17250.0	17374.8	17076.8	16771.8	16647.1	16945.1
40°	16848.1	16792.6	17236.2	17804.5	18317.3	18698.5	18539.1	18241.1	17485.7	17492.6	17575.8
42.5°	18116.3	18144.1	18483.7	19162.9	19862.8	20098.5	19592.5	18864.8	18026.3	17936.2	18116.3
45°	19183.6	19294.5	19488.6	20396.5	21082.6	21339.0	20403.4	19544.0	18421.3	18047.0	18345.1
47.5°	19564.8	19745.0	20167.8	20999.4	21678.6	21886.5	21138.1	19904.4	18788.6	18178.7	18338.1
50°	19620.3	19557.9	20250.9	21013.3	21609.3	22059.8	21401.4	20167.8	18698.5	18379.7	18331.2
52.5°	18102.5	18407.4	19149.0	20195.5	21401.4	22122.2	21637.0	20313.3	18823.3	18462.9	18345.1
55°	14651.1	14290.7	15642.2	17402.5	19620.3	21623.2	21553.9	20389.6	18899.5	18601.5	18442.1
57.5°	8178.0	8282.0	9044.3	10957.1	13819.4	17146.1	19162.9	19585.6	18864.8	18691.6	18774.7
60°	3784.1	3818.7	4144.4	5038.5	6812.7	9723.5	12377.9	15073.9	16314.4	16563.9	16563.9
62.5°	2820.7	2806.9	2890.0	3049.4	3423.7	4470.2	5967.2	8108.7	9813.6	11005.6	11317.5
65°	2550.4	2543.5	2585.1	2640.5	2668.2	2813.8	3146.5	3804.8	4359.3	4678.1	4622.6
67.5°	2231.6	2224.7	2238.6	2273.2	2321.7	2398.0	2481.1	2619.7	2813.8	2799.9	2765.3
70°	1801.9	1801.9	1822.7	1850.4	1905.9	1996.0	2093.0	2190.0	2356.4	2391.0	2384.1
72.5°	1330.7	1309.9	1351.4	1406.9	1462.3	1573.2	1677.2	1767.3	1885.1	1919.8	1905.9
75°	845.5	859.4	887.1	949.5	1046.5	1122.7	1233.6	1309.9	1386.1	1413.8	1420.8
77.5°	471.3	485.1	533.6	609.9	706.9	790.1	887.1	949.5	998.0	1004.9	1011.9
80°	284.2	291.1	339.6	408.9	492.1	582.2	658.4	720.8	762.4	741.6	734.6
82.5°	173.3	180.2	221.8	284.2	353.5	422.8	505.9	561.4	603.0	575.2	547.5
85°	90.1	97.0	131.7	173.3	228.7	263.4	263.4	235.6	228.7	214.8	207.9
87.5°	27.7	27.7	34.7	41.6	34.7	41.6	48.5	55.4	55.4	62.4	55.4
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)