

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: P534366

Luminaire Tested: **GALN-SA9D-760-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534366
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-SA9D-760-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5700K, 1200mA 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: 61451 lumens
Efficiency: N/A
Efficacy: 111.3 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

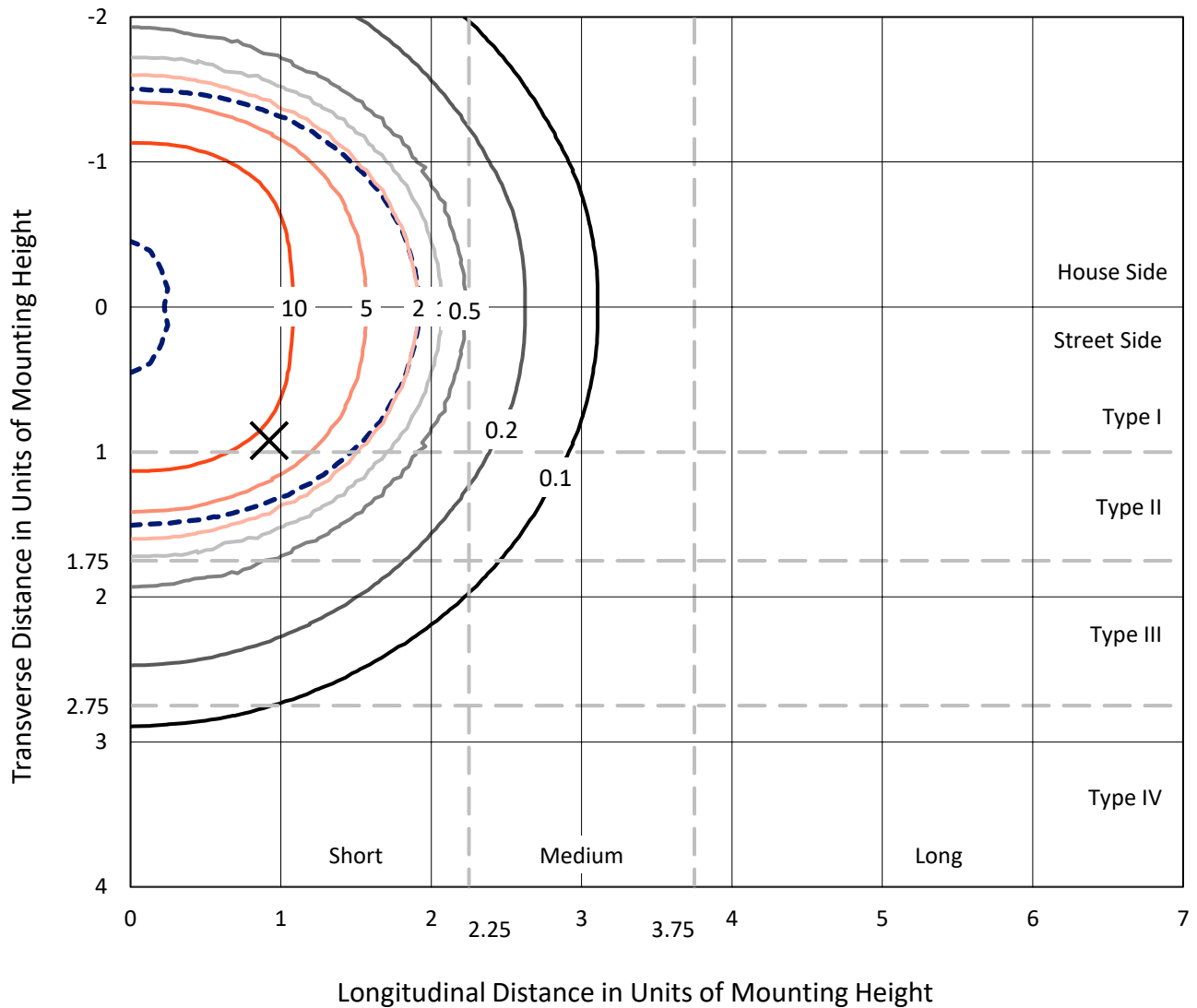
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

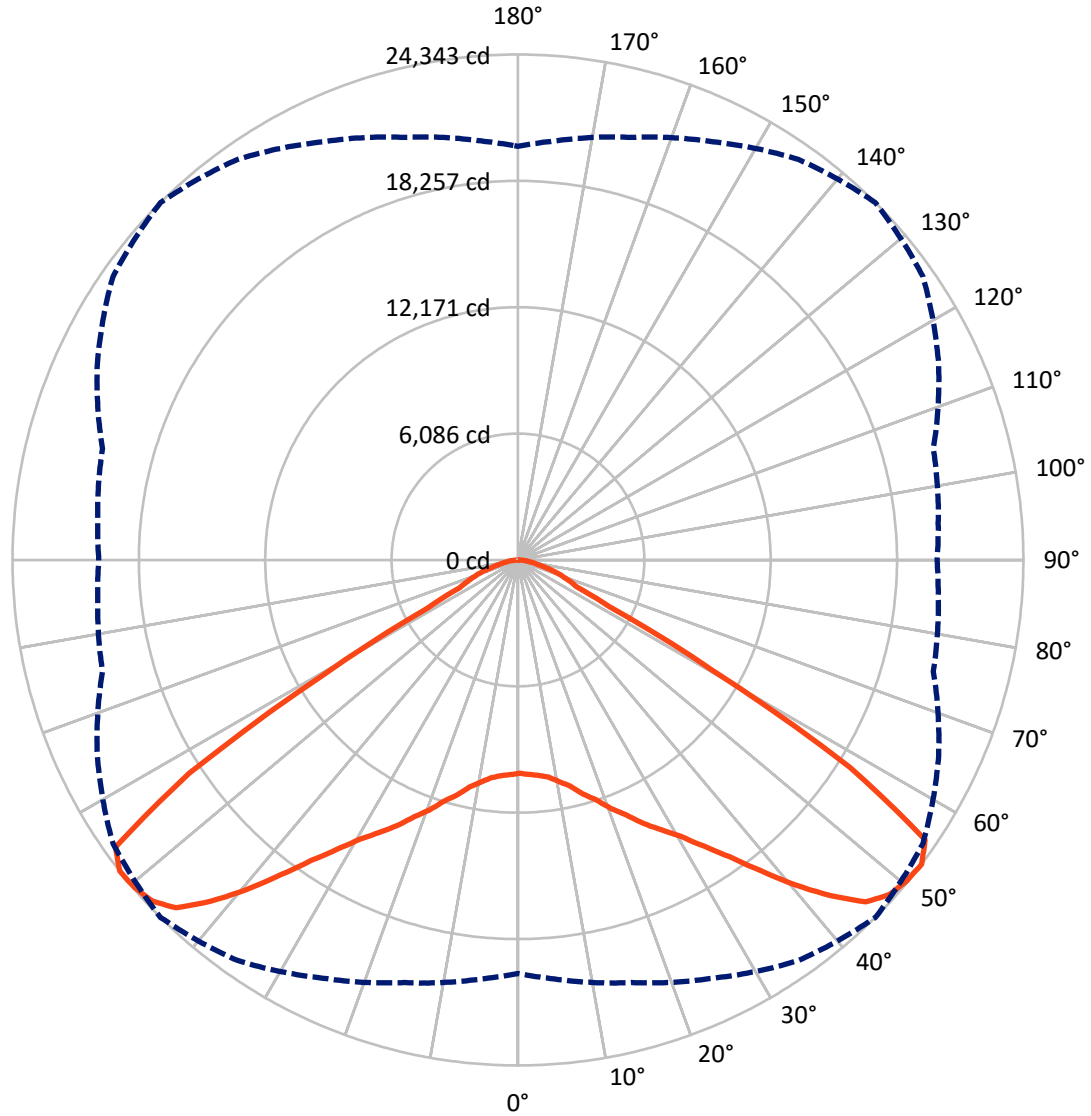
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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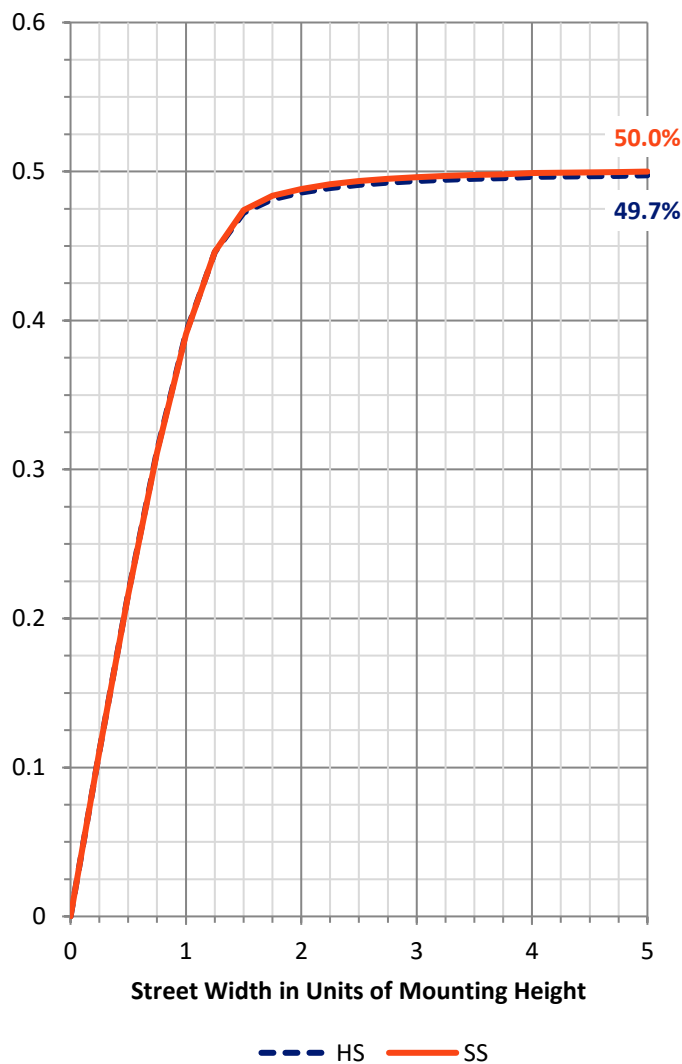
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30725.5	0.0	30725.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30725.5	0.0	30725.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	61451.0	0.0	61451.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1009.2	1.6
10°-20°	3316.3	5.4
20°-30°	6313.7	10.3
30°-40°	10841.0	17.6
40°-50°	16663.0	27.1
50°-60°	16920.9	27.5
60°-70°	4715.6	7.7
70°-80°	1391.1	2.3
80°-90°	280.2	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°	61451.0	100.0
0°-180°	61451.0	100.0

Coefficient of Utilization



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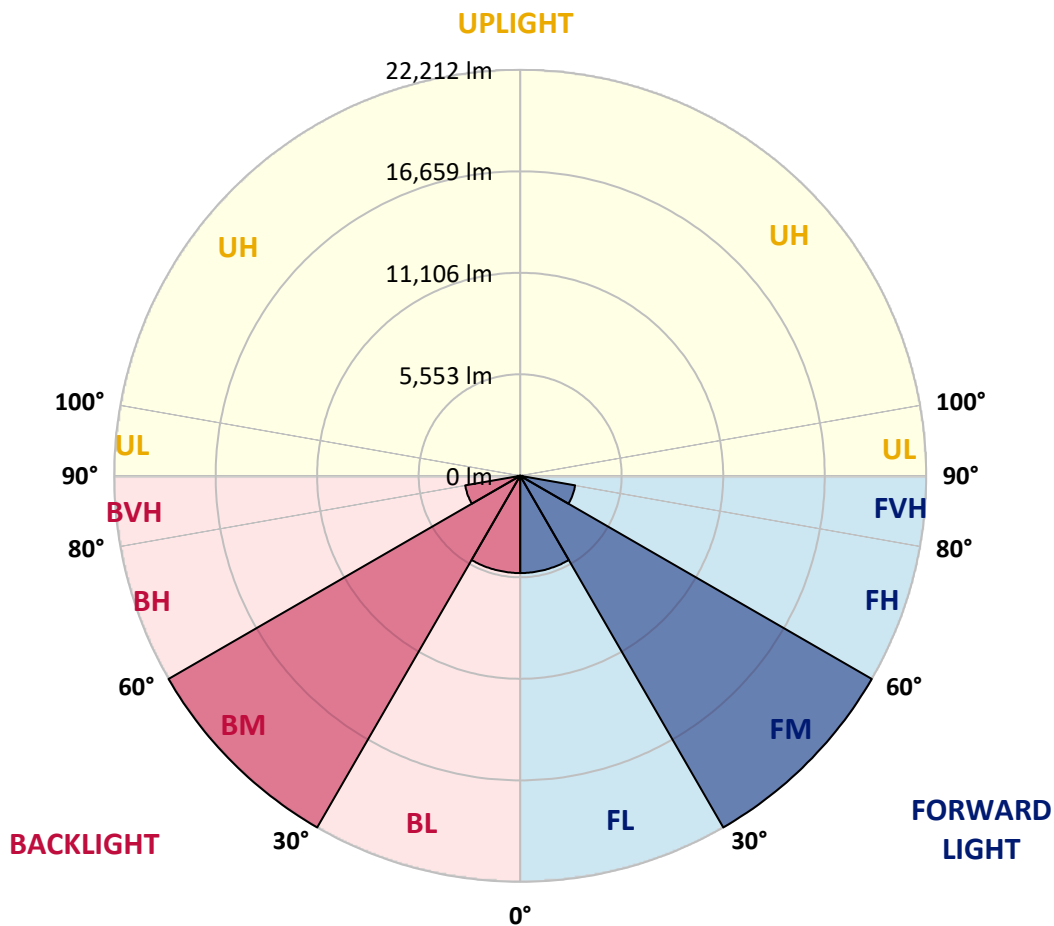
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5319.6	8.7			
FM	(30°-60°)	22212.5	36.1			
FH	(60°-80°)	3053.3	5.0			G2/5000
FVH	(80°-90°)	140.1	0.2			G2/225
BL	(0°-30°)	5319.6	8.7	B5		
BM	(30°-60°)	22212.5	36.1	B5		
BH	(60°-80°)	3053.3	5.0	B4/5000		G2/5000
BVH	(80°-90°)	140.1	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°	10272.3	10272.3	10272.3	10272.3	10272.3	10272.3	10272.3	10272.3	10272.3	10272.3	10272.3
2.5°	10295.2	10188.5	10226.6	10249.5	10348.6	10341.0	10318.1	10348.6	10379.1	10386.7	10371.5
5°	10287.6	10211.3	10241.8	10264.7	10363.9	10417.2	10402.0	10531.6	10623.1	10600.3	10714.7
7.5°	10226.6	10272.3	10234.2	10348.6	10432.5	10562.1	10699.4	10821.4	10935.8	11065.5	11088.3
10°	10363.9	10363.9	10432.5	10524.0	10745.2	10844.3	11042.6	11218.0	11439.1	11591.7	11530.6
12.5°	10508.8	10531.6	10531.6	10768.0	10951.1	11172.2	11355.2	11591.7	11904.3	12087.4	12178.9
15°	10653.6	10668.9	10745.2	11065.5	11340.0	11690.8	11858.6	12072.1	12247.5	12590.7	12598.3
17.5°	10783.3	10867.2	11096.0	11454.4	11797.6	12133.1	12400.0	12621.2	12773.7	12911.0	12880.5
20°	11271.4	11332.4	11568.8	11927.2	12438.2	12766.1	12857.6	12895.7	12994.9	13269.4	13185.5
22.5°	11744.2	11767.1	11988.2	12537.3	12895.7	13330.4	13429.5	13406.7	13444.8	13513.4	13635.5
25°	12232.2	12270.4	12575.4	13040.6	13543.9	14062.5	14146.4	13971.0	13917.6	13993.9	14001.5
27.5°	12857.6	12865.2	13254.1	13658.3	14230.3	14718.4	14848.0	14710.7	14459.1	14520.1	14619.2
30°	13650.7	13597.3	13986.3	14565.8	15168.3	15442.8	15664.0	15595.4	15320.8	15267.4	15183.5
32.5°	14565.8	14581.1	14931.9	15564.9	15961.4	16419.0	16655.4	16541.0	16365.6	16274.1	16327.5
35°	15854.6	15923.3	16159.7	16685.9	17326.5	17555.3	17928.9	17684.9	17227.3	17341.7	17440.9
37.5°	16914.7	17112.9	17555.3	18180.6	18561.9	18981.3	19118.6	18790.7	18455.1	18317.9	18645.8
40°	18539.0	18478.0	18966.1	19591.4	20155.8	20575.2	20399.8	20071.9	19240.6	19248.3	19339.8
42.5°	19934.6	19965.1	20338.8	21086.1	21856.4	22115.7	21559.0	20758.2	19835.5	19736.3	19934.6
45°	21109.0	21231.0	21444.6	22443.6	23198.6	23480.7	22451.2	21505.6	20270.1	19858.3	20186.3
47.5°	21528.5	21726.7	22191.9	23107.1	23854.4	24083.2	23259.6	21902.1	20674.3	20003.2	20178.6
50°	21589.5	21520.8	22283.4	23122.3	23778.2	24273.8	23549.4	22191.9	20575.2	20224.4	20171.0
52.5°	19919.3	20254.9	21070.9	22222.4	23549.4	24342.5	23808.7	22352.1	20712.5	20315.9	20186.3
55°	16121.6	15725.0	17212.1	19149.1	21589.5	23793.4	23717.1	22436.0	20796.3	20468.4	20293.0
57.5°	8998.8	9113.2	9952.0	12056.8	15206.4	18866.9	21086.1	21551.3	20758.2	20567.6	20659.1
60°	4163.8	4202.0	4560.4	5544.2	7496.4	10699.4	13620.2	16586.7	17951.8	18226.4	18226.4
62.5°	3103.8	3088.6	3180.1	3355.5	3767.3	4918.8	6566.1	8922.5	10798.5	12110.2	12453.4
65°	2806.4	2798.8	2844.5	2905.5	2936.0	3096.2	3462.2	4186.7	4796.8	5147.6	5086.6
67.5°	2455.6	2448.0	2463.2	2501.4	2554.7	2638.6	2730.1	2882.7	3096.2	3080.9	3042.8
70°	1982.8	1982.8	2005.7	2036.2	2097.2	2196.3	2303.1	2409.8	2592.9	2631.0	2623.4
72.5°	1464.2	1441.3	1487.1	1548.1	1609.1	1731.1	1845.5	1944.7	2074.3	2112.4	2097.2
75°	930.4	945.6	976.1	1044.8	1151.5	1235.4	1357.4	1441.3	1525.2	1555.7	1563.3
77.5°	518.6	533.8	587.2	671.1	777.9	869.4	976.1	1044.8	1098.2	1105.8	1113.4
80°	312.7	320.3	373.7	449.9	541.5	640.6	724.5	793.1	838.9	816.0	808.4
82.5°	190.7	198.3	244.0	312.7	388.9	465.2	556.7	617.7	663.5	633.0	602.5
85°	99.1	106.8	144.9	190.7	251.7	289.8	289.8	259.3	251.7	236.4	228.8
87.5°	30.5	30.5	38.1	45.8	38.1	45.8	53.4	61.0	61.0	68.6	61.0
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)