

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: P532702

Luminaire Tested: **GALN-SA8A-750-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532702
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-SA8A-750-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 615mA 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: 32358 lumens
Efficiency: N/A
Efficacy: 132.6 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

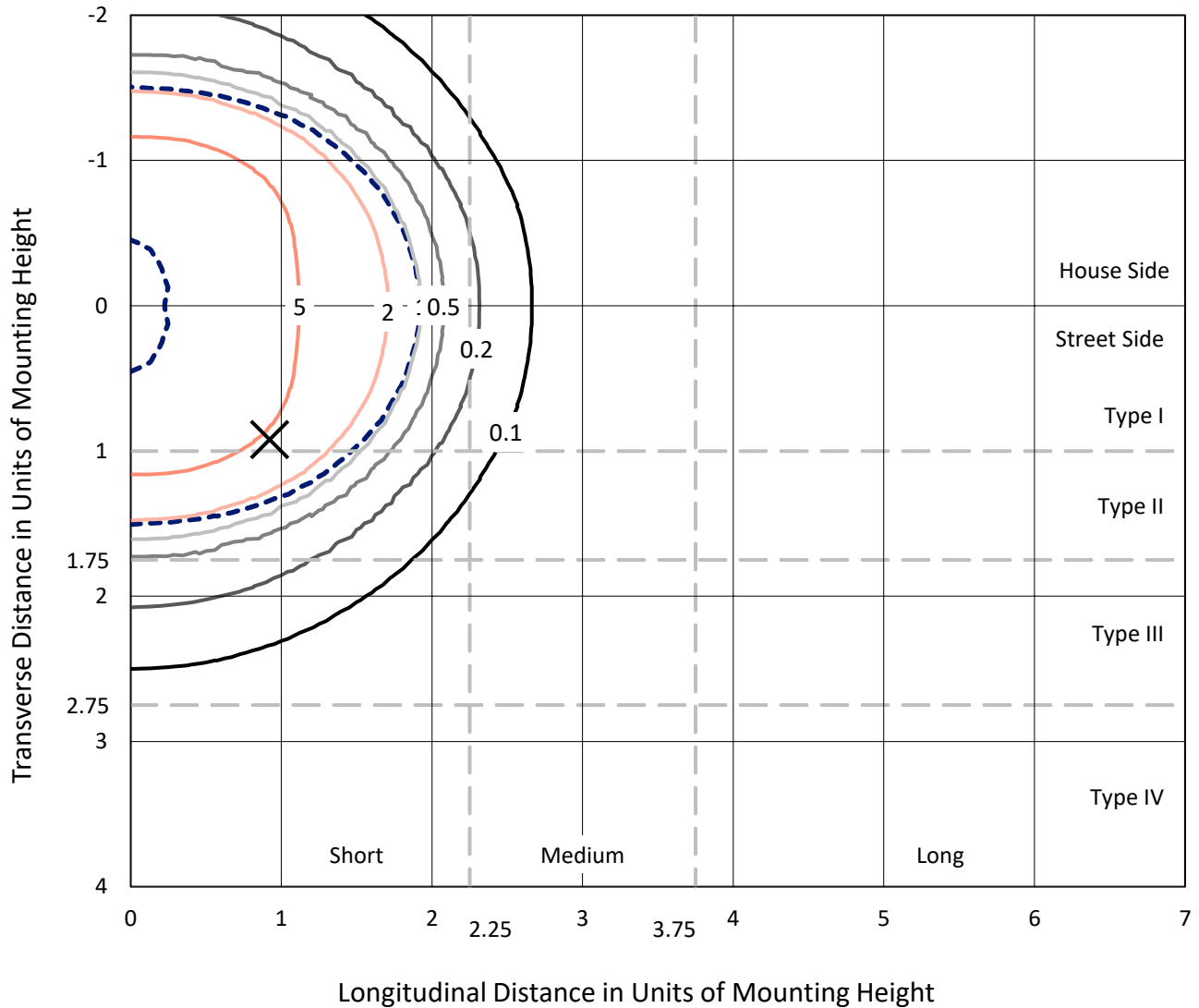
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

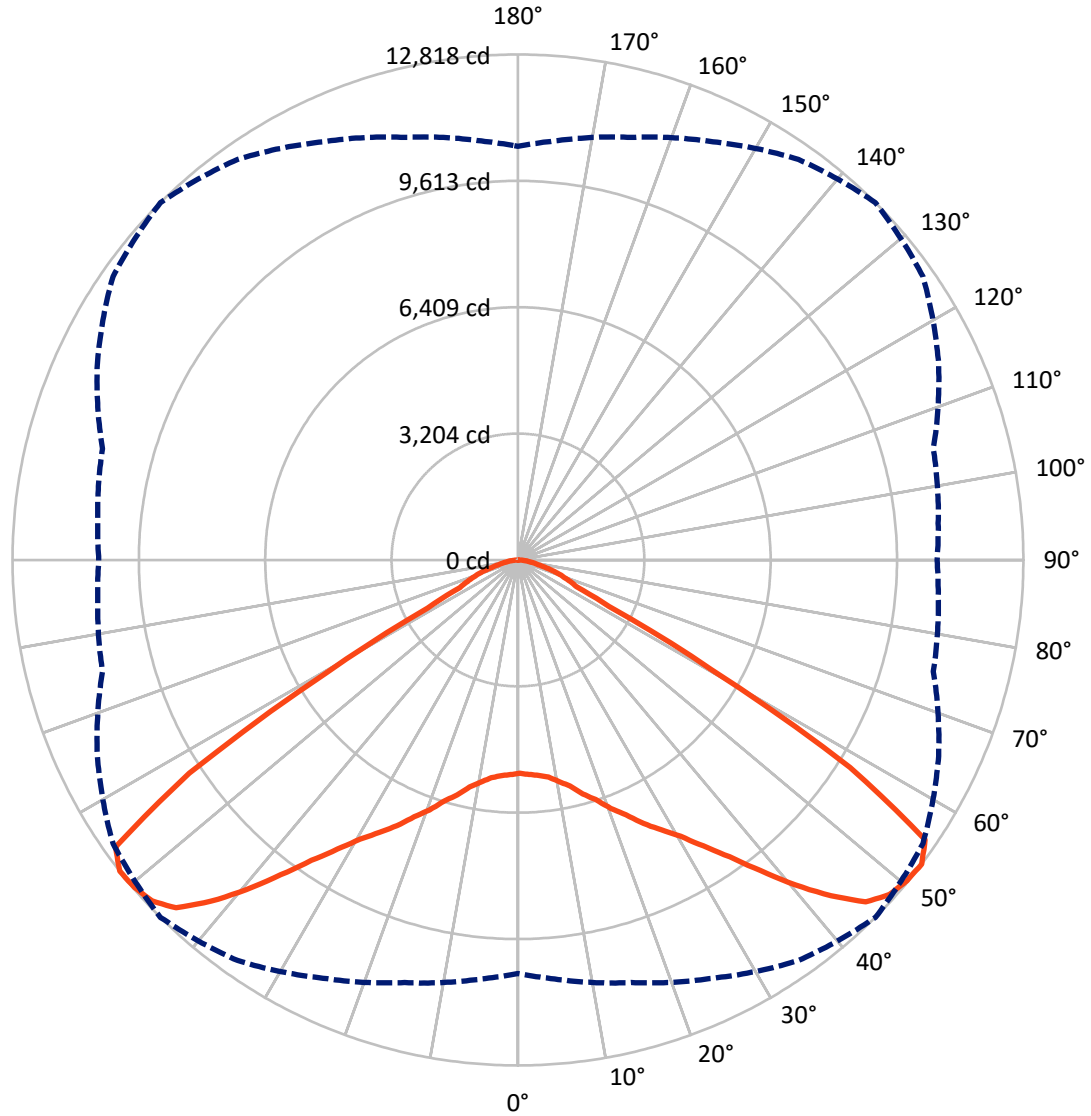
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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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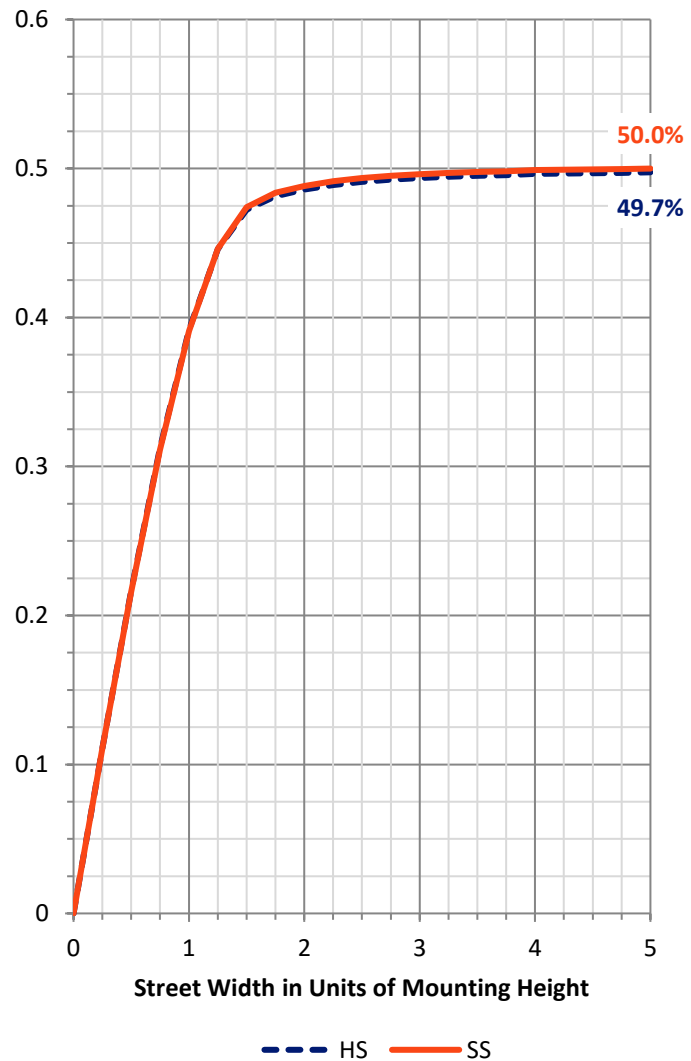
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16179.0	0.0	16179.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16179.0	0.0	16179.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32358.0	0.0	32358.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.4	1.6
10°-20°	1746.2	5.4
20°-30°	3324.6	10.3
30°-40°	5708.5	17.6
40°-50°	8774.2	27.1
50°-60°	8910.0	27.5
60°-70°	2483.1	7.7
70°-80°	732.5	2.3
80°-90°	147.5	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°	32358.0	100.0
0°-180°	32358.0	100.0



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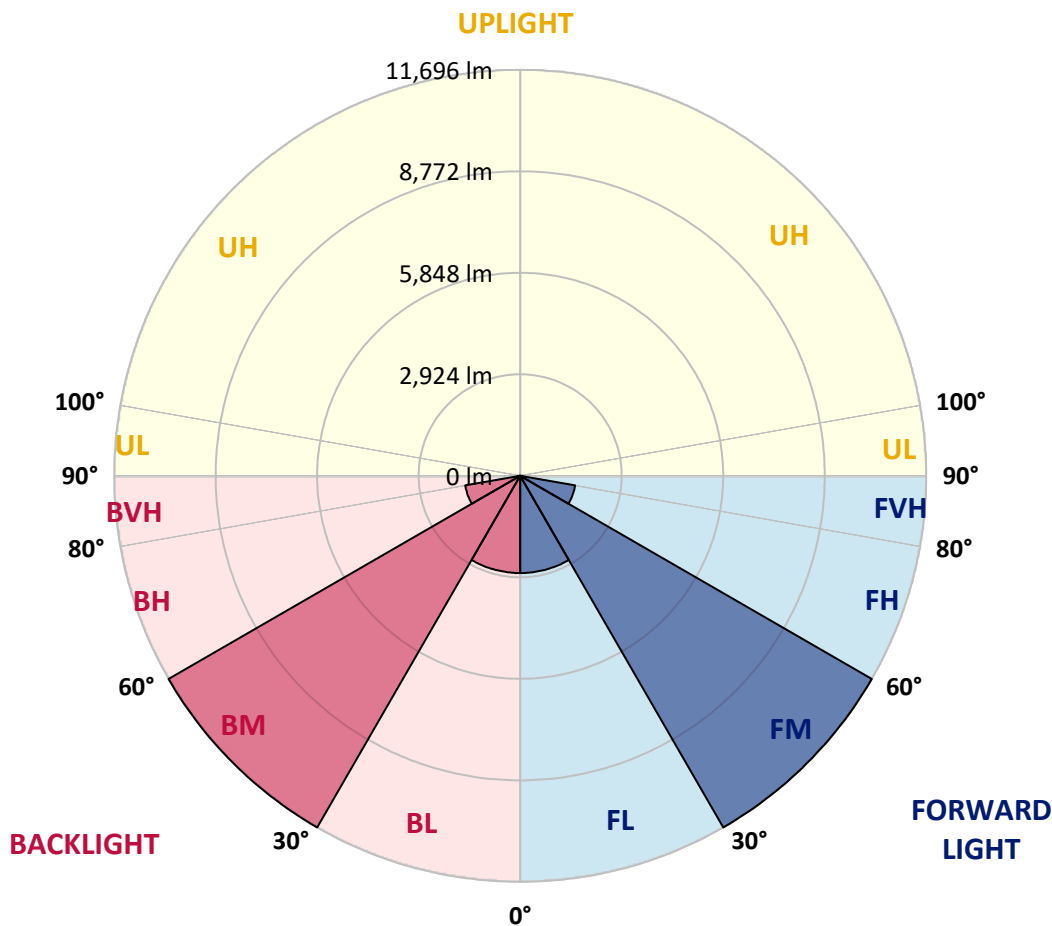
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2801.1	8.7			
FM (30°-60°)	11696.3	36.1			
FH (60°-80°)	1607.8	5.0			G1/1800
FVH (80°-90°)	73.8	0.2			G1/100
BL (0°-30°)	2801.1	8.7	B4/5000		
BM (30°-60°)	11696.3	36.1	B5		
BH (60°-80°)	1607.8	5.0	B3/2500		G1/1800
BVH (80°-90°)	73.8	0.2			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°	5409.1	5409.1	5409.1	5409.1	5409.1	5409.1	5409.1	5409.1	5409.1	5409.1	5409.1
2.5°	5421.1	5364.9	5385.0	5397.0	5449.2	5445.2	5433.2	5449.2	5465.3	5469.3	5461.3
5°	5417.1	5376.9	5393.0	5405.1	5457.3	5485.4	5477.3	5545.6	5593.8	5581.7	5642.0
7.5°	5385.0	5409.1	5389.0	5449.2	5493.4	5561.7	5633.9	5698.2	5758.4	5826.7	5838.7
10°	5457.3	5457.3	5493.4	5541.6	5658.0	5710.2	5814.6	5907.0	6023.5	6103.8	6071.6
12.5°	5533.6	5545.6	5545.6	5670.1	5766.5	5882.9	5979.3	6103.8	6268.4	6364.8	6413.0
15°	5609.8	5617.9	5658.0	5826.7	5971.3	6156.0	6244.3	6356.8	6449.1	6629.8	6633.8
17.5°	5678.1	5722.3	5842.8	6031.5	6212.2	6388.9	6529.4	6645.9	6726.2	6798.5	6782.4
20°	5935.1	5967.2	6091.7	6280.5	6549.5	6722.2	6770.4	6790.4	6842.6	6987.2	6943.0
22.5°	6184.1	6196.1	6312.6	6601.7	6790.4	7019.3	7071.5	7059.5	7079.6	7115.7	7180.0
25°	6441.1	6461.2	6621.8	6866.7	7131.8	7404.8	7449.0	7356.7	7328.5	7368.7	7372.7
27.5°	6770.4	6774.4	6979.2	7192.0	7493.2	7750.2	7818.4	7746.2	7613.7	7645.8	7698.0
30°	7188.0	7159.9	7364.7	7669.9	7987.1	8131.7	8248.1	8212.0	8067.4	8039.3	7995.1
32.5°	7669.9	7677.9	7862.6	8195.9	8404.7	8645.7	8770.2	8709.9	8617.6	8569.4	8597.5
35°	8348.5	8384.7	8509.1	8786.2	9123.5	9244.0	9440.8	9312.3	9071.3	9131.6	9183.8
37.5°	8906.7	9011.1	9244.0	9573.3	9774.1	9994.9	10067.2	9894.5	9717.8	9645.6	9818.2
40°	9762.0	9729.9	9986.9	10316.2	10613.3	10834.2	10741.8	10569.2	10131.5	10135.5	10183.7
42.5°	10496.9	10512.9	10709.7	11103.2	11508.8	11645.4	11352.2	10930.6	10444.7	10392.5	10496.9
45°	11115.3	11179.5	11292.0	11818.0	12215.6	12364.2	11822.0	11324.1	10673.6	10456.7	10629.4
47.5°	11336.1	11440.6	11685.5	12167.4	12560.9	12681.4	12247.7	11532.9	10886.4	10533.0	10625.4
50°	11368.3	11332.1	11733.7	12175.4	12520.8	12781.8	12400.3	11685.5	10834.2	10649.5	10621.4
52.5°	10488.8	10665.5	11095.2	11701.6	12400.3	12817.9	12536.8	11769.8	10906.5	10697.7	10629.4
55°	8489.1	8280.2	9063.3	10083.3	11368.3	12528.8	12488.6	11814.0	10950.6	10778.0	10685.6
57.5°	4738.5	4798.7	5240.4	6348.7	8007.2	9934.7	11103.2	11348.2	10930.6	10830.2	10878.4
60°	2192.5	2212.6	2401.4	2919.4	3947.4	5633.9	7171.9	8734.0	9452.8	9597.4	9597.4
62.5°	1634.4	1626.3	1674.5	1766.9	1983.7	2590.1	3457.5	4698.3	5686.1	6376.8	6557.5
65°	1477.8	1473.7	1497.8	1530.0	1546.0	1630.3	1823.1	2204.6	2525.8	2710.6	2678.4
67.5°	1293.0	1289.0	1297.1	1317.1	1345.2	1389.4	1437.6	1517.9	1630.3	1622.3	1602.2
70°	1044.1	1044.1	1056.1	1072.2	1104.3	1156.5	1212.7	1268.9	1365.3	1385.4	1381.4
72.5°	771.0	759.0	783.0	815.2	847.3	911.6	971.8	1024.0	1092.3	1112.3	1104.3
75°	489.9	497.9	514.0	550.1	606.4	650.5	714.8	759.0	803.1	819.2	823.2
77.5°	273.1	281.1	309.2	353.4	409.6	457.8	514.0	550.1	578.3	582.3	586.3
80°	164.6	168.7	196.8	236.9	285.1	337.3	381.5	417.6	441.7	429.7	425.7
82.5°	100.4	104.4	128.5	164.6	204.8	245.0	293.1	325.3	349.4	333.3	317.2
85°	52.2	56.2	76.3	100.4	132.5	152.6	152.6	136.5	132.5	124.5	120.5
87.5°	16.1	16.1	20.1	24.1	20.1	24.1	28.1	32.1	32.1	36.1	32.1
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)