

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: P532780

Luminaire Tested: **GALN-SA8A-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532780
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-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 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: 25713 lumens
Efficiency: N/A
Efficacy: 105.4 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

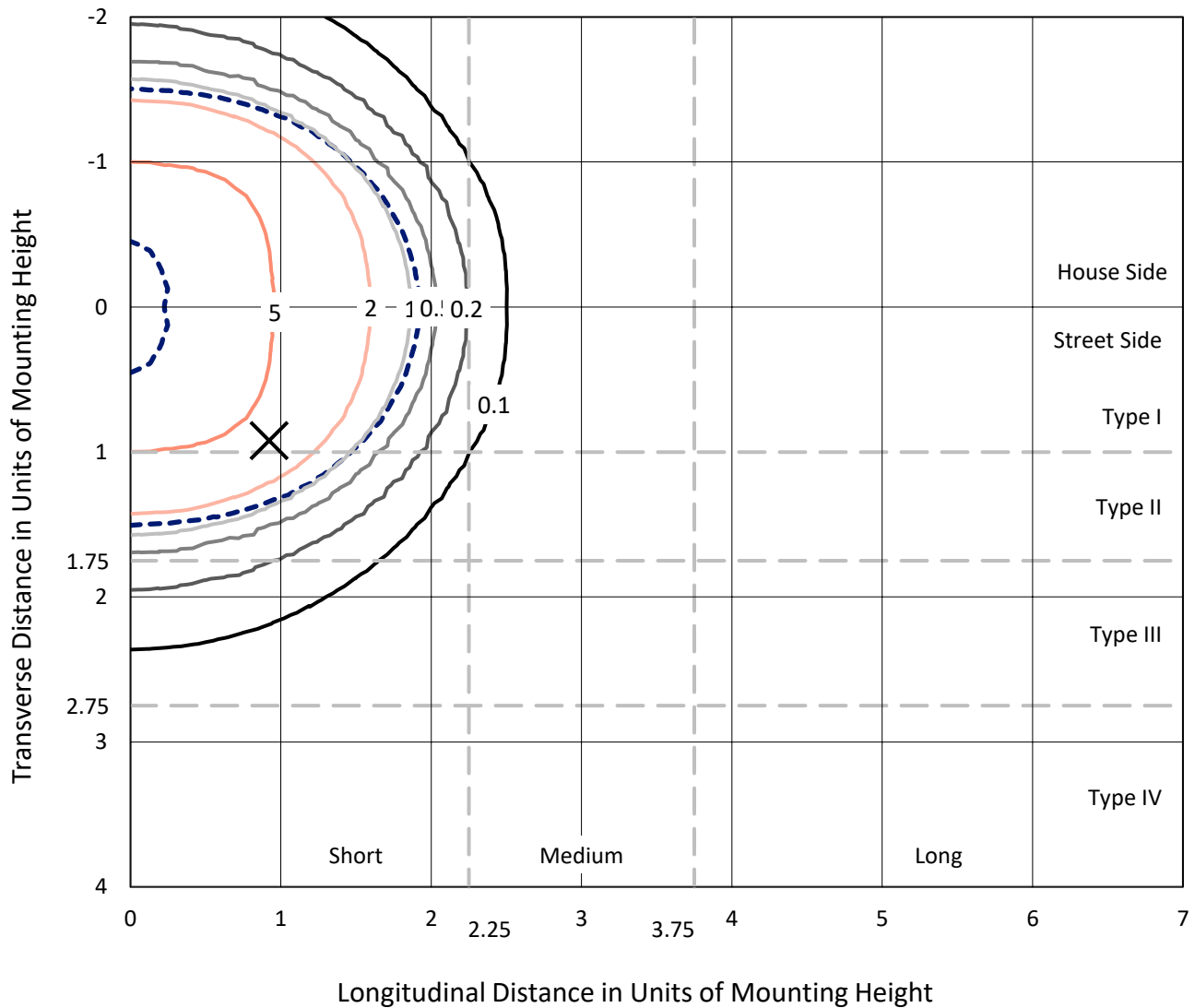


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Iso-Footcandle Lines of Horizontal Illumination

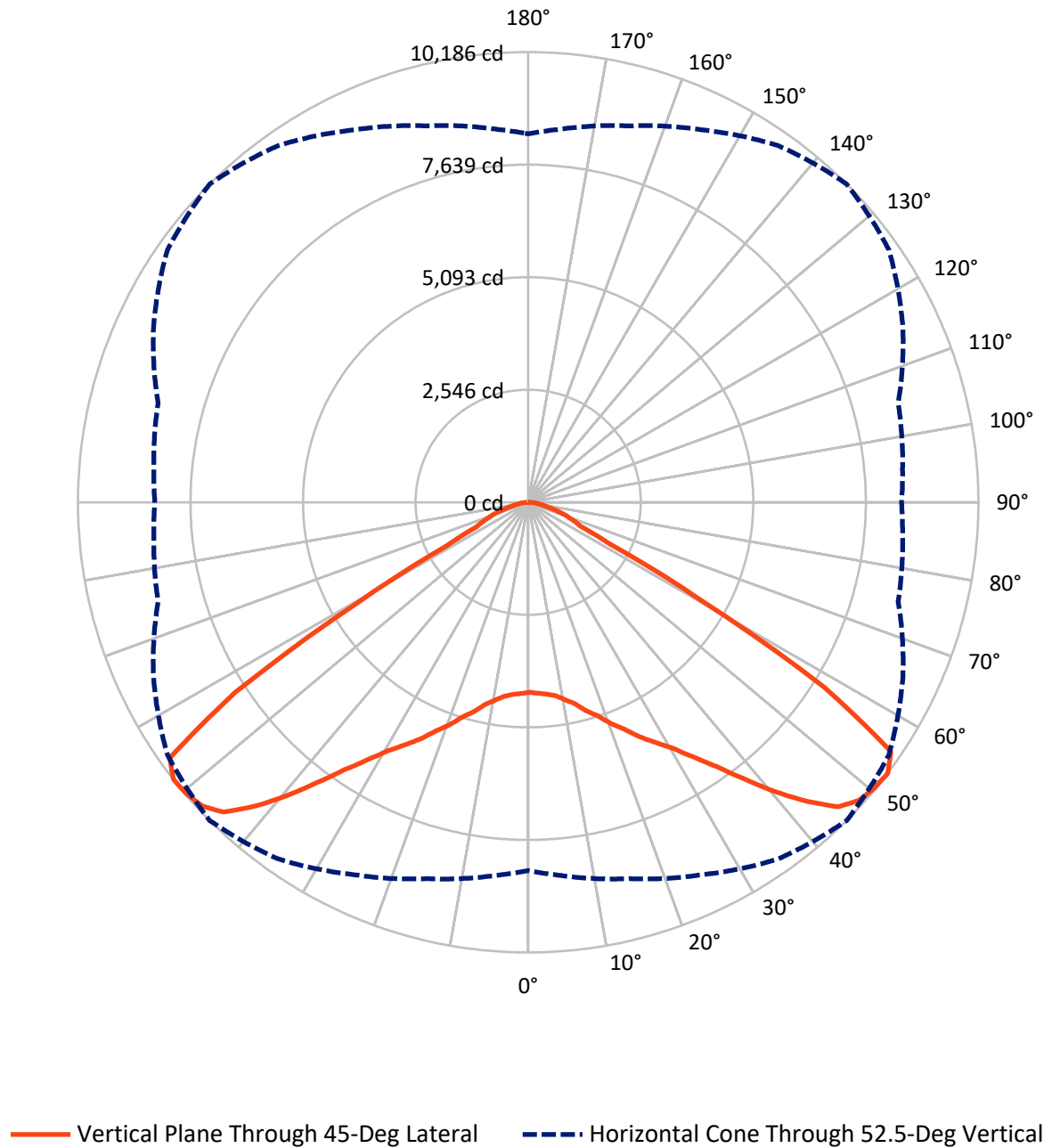
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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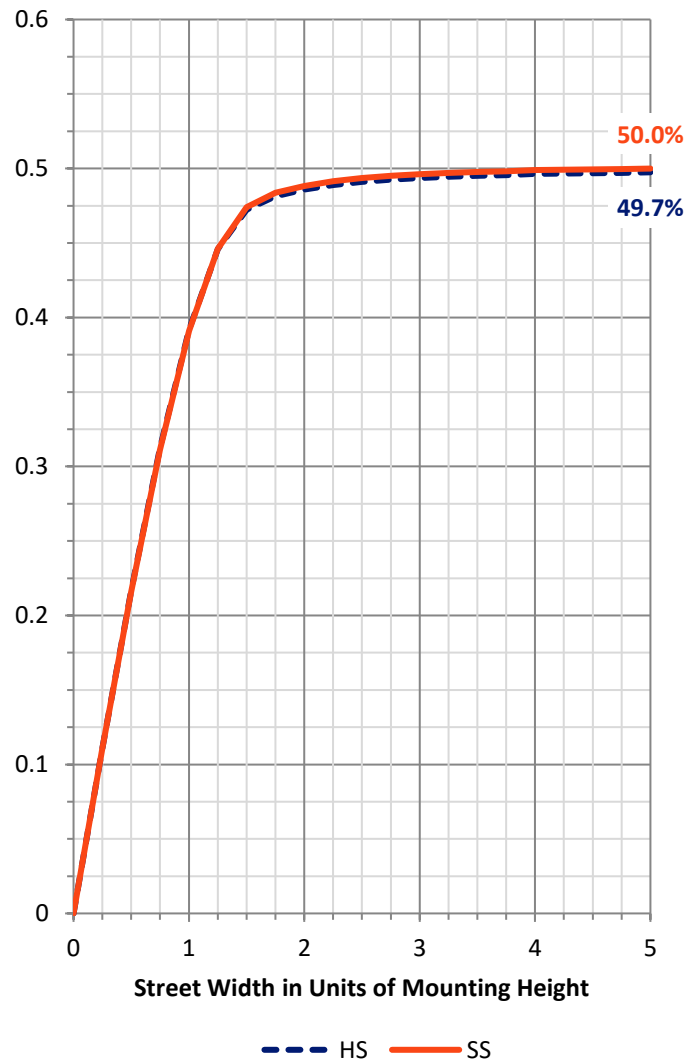
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12856.5	0.0	12856.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12856.5	0.0	12856.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25713.0	0.0	25713.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.3	1.6
10°-20°	1387.6	5.4
20°-30°	2641.8	10.3
30°-40°	4536.2	17.6
40°-50°	6972.3	27.1
50°-60°	7080.2	27.5
60°-70°	1973.2	7.7
70°-80°	582.1	2.3
80°-90°	117.2	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°	25713.0	100.0
0°-180°	25713.0	100.0

Coefficient of Utilization



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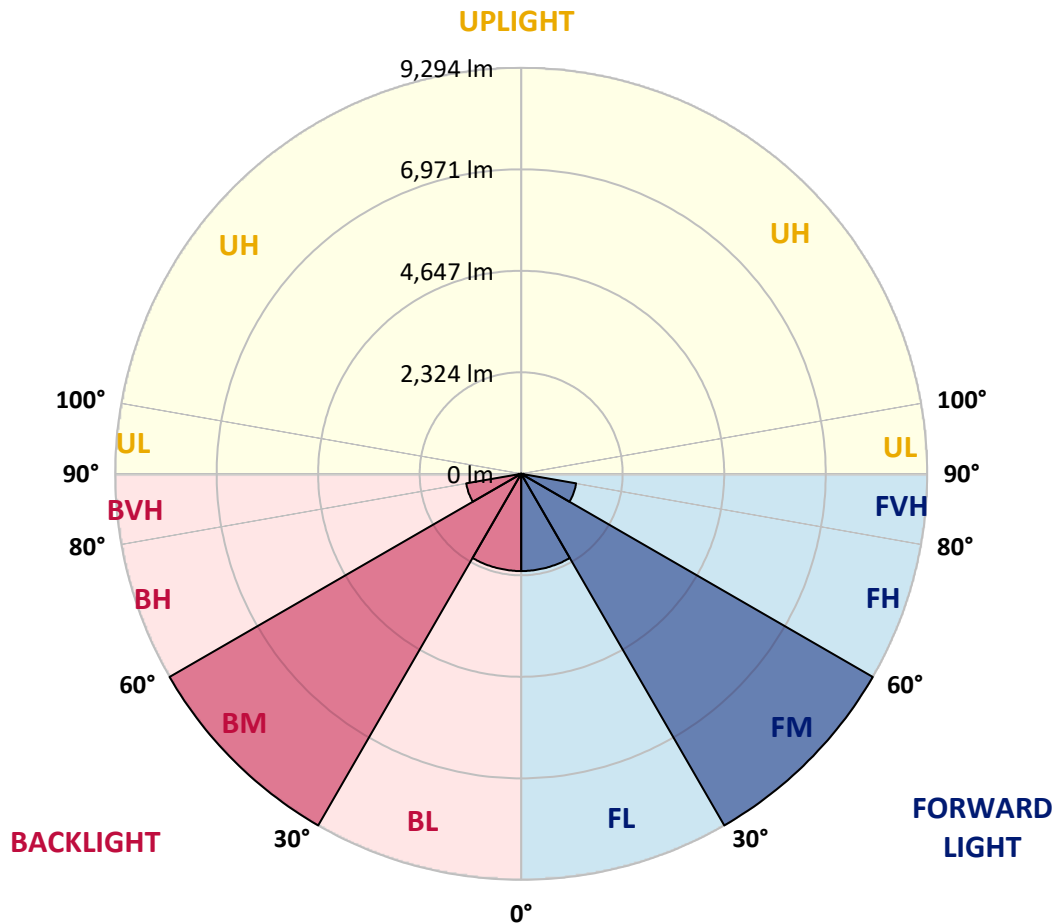
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2225.9	8.7			
FM	(30°-60°)	9294.4	36.1			
FH	(60°-80°)	1277.6	5.0			G1/1800
FVH	(80°-90°)	58.6	0.2			G1/100
BL	(0°-30°)	2225.9	8.7	B3/2500		
BM	(30°-60°)	9294.4	36.1	B5		
BH	(60°-80°)	1277.6	5.0	B3/2500		G1/1800
BVH	(80°-90°)	58.6	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°	4298.3	4298.3	4298.3	4298.3	4298.3	4298.3	4298.3	4298.3	4298.3	4298.3	4298.3
2.5°	4307.8	4263.2	4279.1	4288.7	4330.2	4327.0	4317.4	4330.2	4342.9	4346.1	4339.7
5°	4304.6	4272.7	4285.5	4295.1	4336.6	4358.9	4352.5	4406.8	4445.1	4435.5	4483.3
7.5°	4279.1	4298.3	4282.3	4330.2	4365.3	4419.5	4477.0	4528.0	4575.9	4630.1	4639.7
10°	4336.6	4336.6	4365.3	4403.6	4496.1	4537.6	4620.6	4693.9	4786.5	4850.3	4824.8
12.5°	4397.2	4406.8	4406.8	4505.7	4582.3	4674.8	4751.4	4850.3	4981.1	5057.7	5096.0
15°	4457.8	4464.2	4496.1	4630.1	4745.0	4891.8	4962.0	5051.3	5124.7	5268.3	5271.5
17.5°	4512.1	4547.2	4642.9	4792.9	4936.5	5076.9	5188.6	5281.1	5344.9	5402.4	5389.6
20°	4716.3	4741.8	4840.7	4990.7	5204.5	5341.7	5380.0	5396.0	5437.5	5552.3	5517.2
22.5°	4914.1	4923.7	5016.2	5246.0	5396.0	5577.9	5619.3	5609.8	5625.7	5654.4	5705.5
25°	5118.4	5134.3	5261.9	5456.6	5667.2	5884.2	5919.3	5845.9	5823.6	5855.5	5858.7
27.5°	5380.0	5383.2	5545.9	5715.1	5954.4	6158.6	6212.9	6155.4	6050.1	6075.6	6117.1
30°	5711.9	5689.5	5852.3	6094.8	6346.9	6461.8	6554.3	6525.6	6410.7	6388.4	6353.3
32.5°	6094.8	6101.2	6248.0	6512.8	6678.7	6870.2	6969.1	6921.3	6847.9	6809.6	6831.9
35°	6634.1	6662.8	6761.7	6981.9	7249.9	7345.7	7502.0	7399.9	7208.5	7256.3	7297.8
37.5°	7077.6	7160.6	7345.7	7607.3	7766.9	7942.4	7999.8	7862.6	7722.2	7664.8	7802.0
40°	7757.3	7731.8	7936.0	8197.7	8433.8	8609.3	8535.9	8398.7	8050.9	8054.1	8092.4
42.5°	8341.3	8354.0	8510.4	8823.1	9145.4	9253.9	9020.9	8685.9	8299.8	8258.3	8341.3
45°	8832.7	8883.7	8973.1	9391.1	9707.0	9825.1	9394.3	8998.6	8481.7	8309.3	8446.6
47.5°	9008.2	9091.1	9285.8	9668.7	9981.4	10077.2	9732.5	9164.5	8650.8	8370.0	8443.4
50°	9033.7	9005.0	9324.1	9675.1	9949.5	10156.9	9853.8	9285.8	8609.3	8462.5	8440.2
52.5°	8334.9	8475.3	8816.7	9298.6	9853.8	10185.6	9962.3	9352.8	8666.7	8500.8	8446.6
55°	6745.8	6579.8	7202.1	8012.6	9033.7	9955.9	9924.0	9387.9	8701.8	8564.6	8491.2
57.5°	3765.4	3813.2	4164.2	5045.0	6362.8	7894.5	8823.1	9017.7	8685.9	8606.1	8644.4
60°	1742.3	1758.2	1908.2	2319.9	3136.7	4477.0	5699.1	6940.4	7511.6	7626.5	7626.5
62.5°	1298.7	1292.4	1330.6	1404.0	1576.4	2058.2	2747.4	3733.5	4518.4	5067.3	5210.9
65°	1174.3	1171.1	1190.2	1215.8	1228.5	1295.5	1448.7	1751.9	2007.1	2153.9	2128.4
67.5°	1027.5	1024.3	1030.7	1046.6	1069.0	1104.1	1142.4	1206.2	1295.5	1289.2	1273.2
70°	829.7	829.7	839.2	852.0	877.5	919.0	963.7	1008.4	1084.9	1100.9	1097.7
72.5°	612.7	603.1	622.2	647.8	673.3	724.4	772.2	813.7	867.9	883.9	877.5
75°	389.3	395.7	408.4	437.2	481.8	516.9	568.0	603.1	638.2	651.0	654.2
77.5°	217.0	223.4	245.7	280.8	325.5	363.8	408.4	437.2	459.5	462.7	465.9
80°	130.8	134.0	156.4	188.3	226.6	268.0	303.1	331.9	351.0	341.4	338.2
82.5°	79.8	83.0	102.1	130.8	162.7	194.7	232.9	258.5	277.6	264.9	252.1
85°	41.5	44.7	60.6	79.8	105.3	121.3	121.3	108.5	105.3	98.9	95.7
87.5°	12.8	12.8	16.0	19.1	16.0	19.1	22.3	25.5	25.5	28.7	25.5
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)