

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: P530098

Luminaire Tested: **GALN-SA5B-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-740-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24175 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 204
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

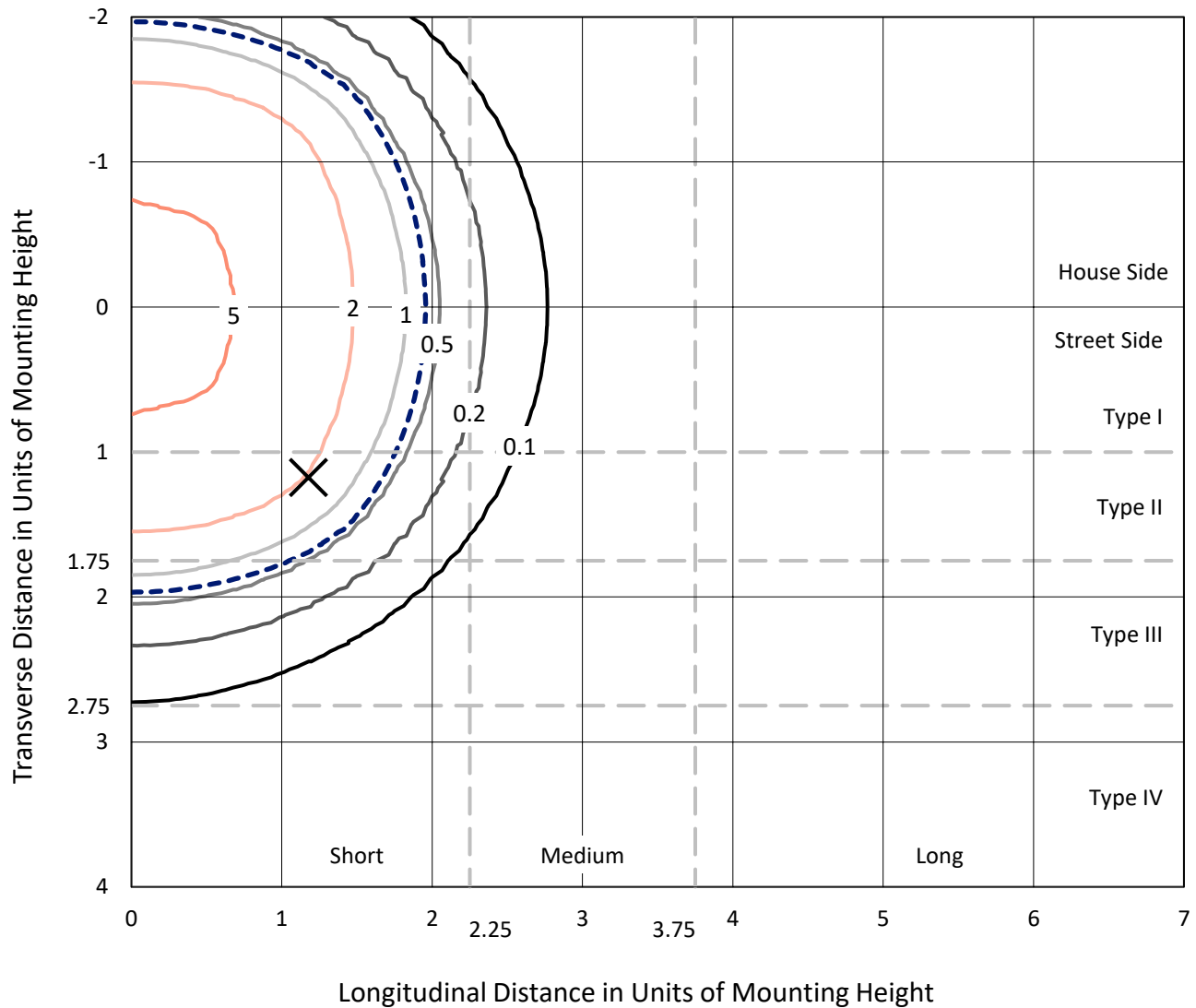


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

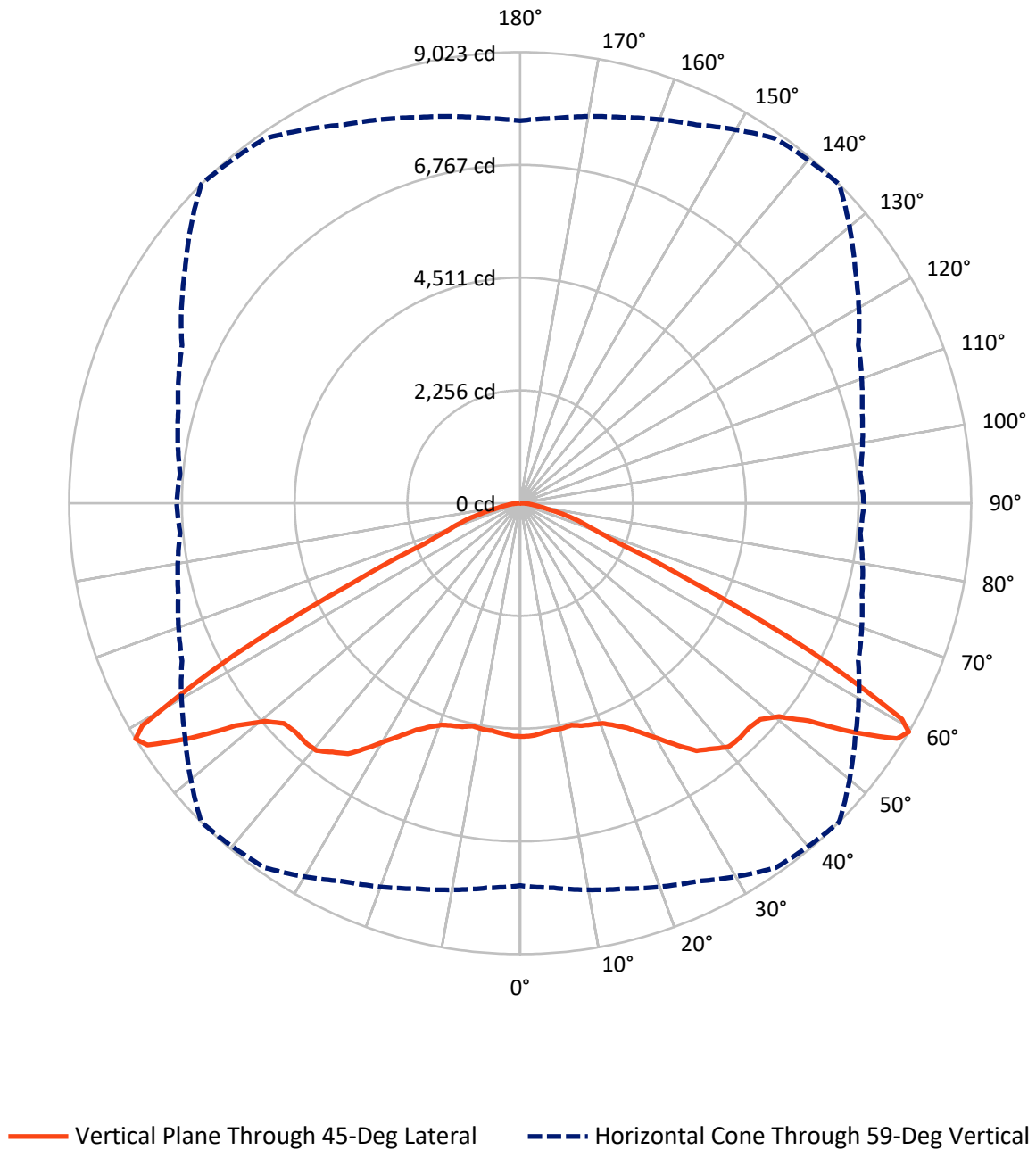


Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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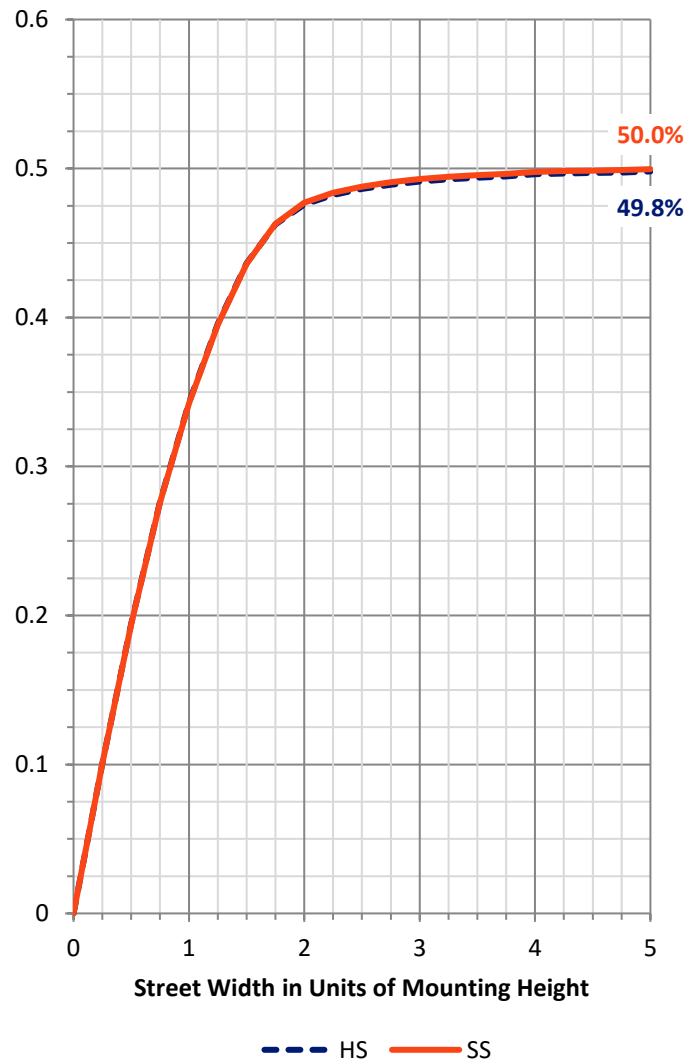
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12087.5	0.0	12087.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12087.5	0.0	12087.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24175.0	0.0	24175.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.2	1.8
10°-20°	1309.0	5.4
20°-30°	2285.7	9.5
30°-40°	3650.6	15.1
40°-50°	4972.8	20.6
50°-60°	6724.6	27.8
60°-70°	3687.8	15.3
70°-80°	943.4	3.9
80°-90°	160.9	0.7
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°	24175.0	100.0
0°-180°	24175.0	100.0

Coefficient of Utilization



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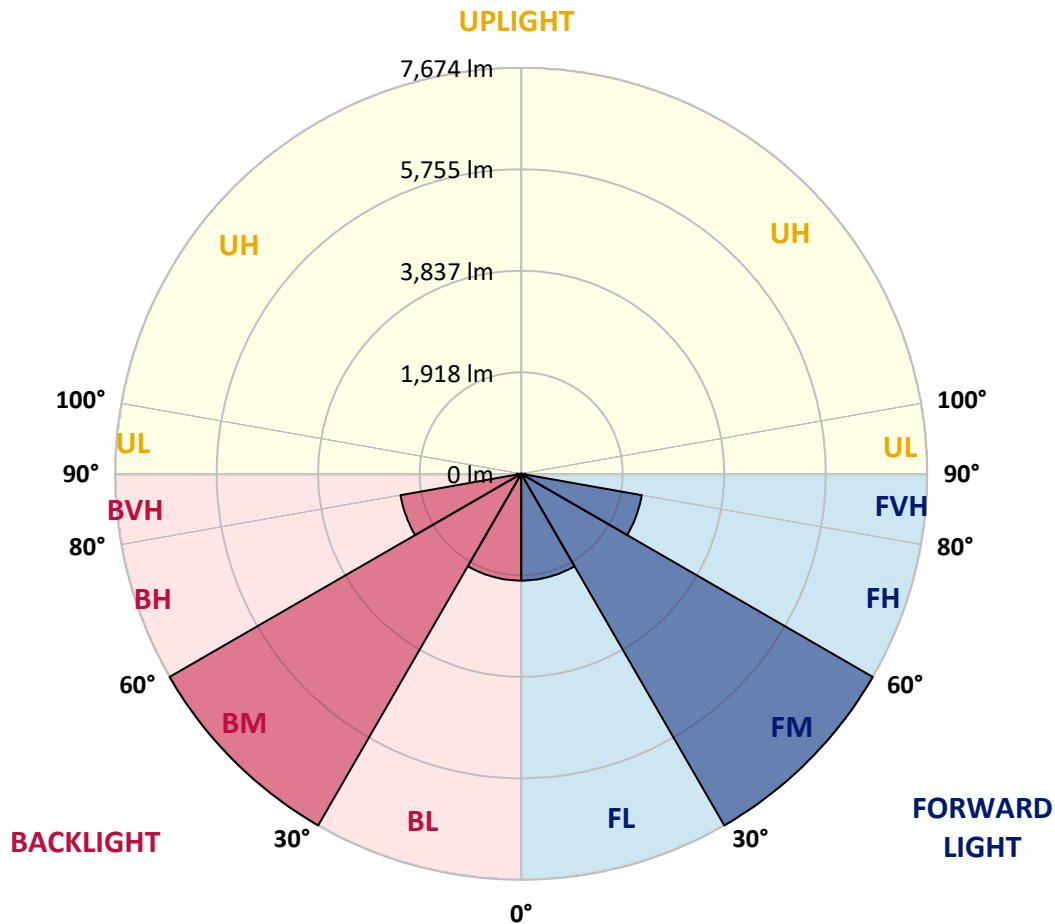
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2017.4	8.3			
FM	(30°-60°)	7674.0	31.7			
FH	(60°-80°)	2315.6	9.6			G2/5000
FVH	(80°-90°)	80.5	0.3			G1/100
BL	(0°-30°)	2017.4	8.3	B3/2500		
BM	(30°-60°)	7674.0	31.7	B4/8500		
BH	(60°-80°)	2315.6	9.6	B3/2500		G2/5000
BVH	(80°-90°)	80.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5	4669.5
2.5°	4641.6	4675.7	4650.9	4672.6	4669.5	4660.2	4644.7	4635.4	4623.0	4641.6	4610.6
5°	4623.0	4650.9	4678.7	4641.6	4641.6	4623.0	4613.7	4595.1	4595.1	4592.0	4588.9
7.5°	4654.0	4626.1	4613.7	4619.9	4626.1	4585.8	4613.7	4576.5	4545.5	4567.2	4592.0
10°	4626.1	4638.5	4592.0	4613.7	4579.6	4585.8	4567.2	4592.0	4557.9	4557.9	4557.9
12.5°	4654.0	4619.9	4635.4	4619.9	4610.6	4557.9	4582.7	4554.8	4551.7	4582.7	4554.8
15°	4709.7	4654.0	4641.6	4610.6	4619.9	4619.9	4595.1	4598.2	4564.1	4582.7	4588.9
17.5°	4691.1	4660.2	4650.9	4613.7	4644.7	4654.0	4607.5	4576.5	4598.2	4595.1	4592.0
20°	4706.6	4719.0	4709.7	4715.9	4728.3	4703.5	4660.2	4616.8	4588.9	4629.2	4626.1
22.5°	4805.8	4793.4	4787.2	4781.0	4802.7	4827.5	4768.6	4700.4	4700.4	4728.3	4740.7
25°	4886.3	4883.3	4880.2	4908.0	4982.4	4982.4	4908.0	4821.3	4799.6	4818.2	4802.7
27.5°	5004.1	5038.2	5025.8	5075.4	5183.8	5208.6	5109.4	5007.2	4948.3	4926.6	4954.5
30°	5273.7	5233.4	5242.7	5295.4	5391.4	5472.0	5320.1	5211.7	5131.1	5128.0	5140.4
32.5°	5453.4	5484.4	5512.2	5561.8	5713.7	5775.6	5592.8	5416.2	5366.6	5338.7	5348.0
35°	5812.8	5784.9	5778.7	5828.3	5980.1	6082.4	5853.1	5698.2	5633.1	5695.1	5695.1
37.5°	6153.6	6076.2	6017.3	6082.4	6221.8	6234.2	6039.0	5955.3	5921.3	5992.5	5989.4
40°	6314.8	6308.6	6172.2	6209.4	6395.3	6413.9	6231.1	6132.0	6125.8	6218.7	6311.7
42.5°	6482.1	6423.2	6286.9	6311.7	6426.3	6432.5	6259.0	6231.1	6299.3	6389.1	6395.3
45°	6510.0	6460.4	6373.6	6311.7	6395.3	6413.9	6311.7	6330.3	6336.5	6444.9	6444.9
47.5°	6565.7	6559.5	6510.0	6463.5	6479.0	6463.5	6398.4	6426.3	6519.3	6571.9	6547.2
50°	6720.7	6655.6	6705.2	6664.9	6668.0	6711.4	6652.5	6680.4	6661.8	6615.3	6584.3
52.5°	7061.5	7030.5	7073.9	7101.8	7132.8	7231.9	7163.8	7015.0	6875.6	6751.7	6748.6
55°	7560.4	7582.1	7665.7	7808.2	7929.1	8087.1	7758.7	7402.3	7179.2	6984.0	6996.4
57.5°	8031.3	8015.8	8130.5	8455.8	8809.1	8889.6	8245.1	7737.0	7374.5	7250.5	7197.8
59°	7653.3	7727.7	7988.0	8350.5	8905.1	9022.9	8180.1	7464.3	7080.1	6829.1	6872.5
60°	7058.4	7086.3	7318.7	7823.7	8573.6	8775.0	7743.2	7042.9	6531.7	6386.0	6451.1
62.5°	4988.6	4966.9	5134.2	5546.3	6218.7	6491.4	5757.0	5264.4	4942.1	4781.0	4818.2
65°	2652.3	2751.5	2819.6	3076.8	3433.1	3721.3	3417.7	3203.9	3024.1	2890.9	2887.8
67.5°	1790.9	1778.5	1794.0	1852.9	1973.8	2054.3	2048.1	1939.7	1924.2	1899.4	1927.3
70°	1509.0	1502.8	1474.9	1474.9	1499.7	1518.3	1540.0	1552.4	1577.1	1608.1	1605.0
72.5°	1223.9	1208.4	1189.8	1180.5	1211.5	1220.8	1248.7	1261.1	1282.8	1279.7	1307.6
75°	808.7	808.7	830.4	855.2	864.5	883.1	886.2	923.4	923.4	929.6	904.8
77.5°	452.4	440.0	455.5	480.3	502.0	536.0	570.1	598.0	613.5	607.3	607.3
80°	263.4	263.4	278.9	306.8	334.6	365.6	390.4	412.1	427.6	421.4	409.0
82.5°	164.2	164.2	179.7	207.6	229.3	247.9	282.0	309.9	328.4	322.2	306.8
85°	83.7	83.7	102.3	120.8	148.7	161.1	158.0	145.6	142.5	127.0	127.0
87.5°	21.7	21.7	31.0	34.1	27.9	31.0	31.0	31.0	31.0	31.0	34.1
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)