

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: P530096

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530096  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
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-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25667 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

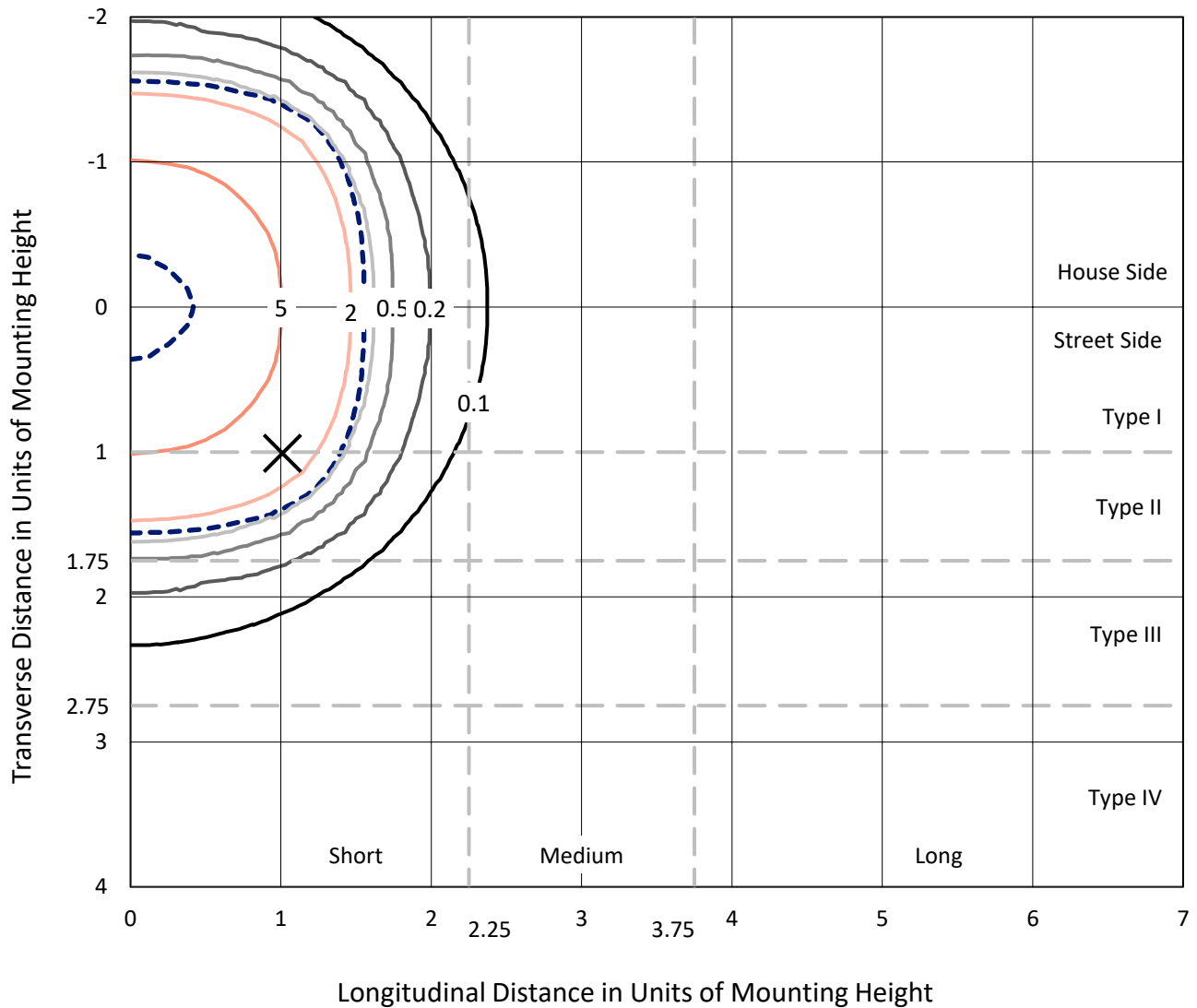
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

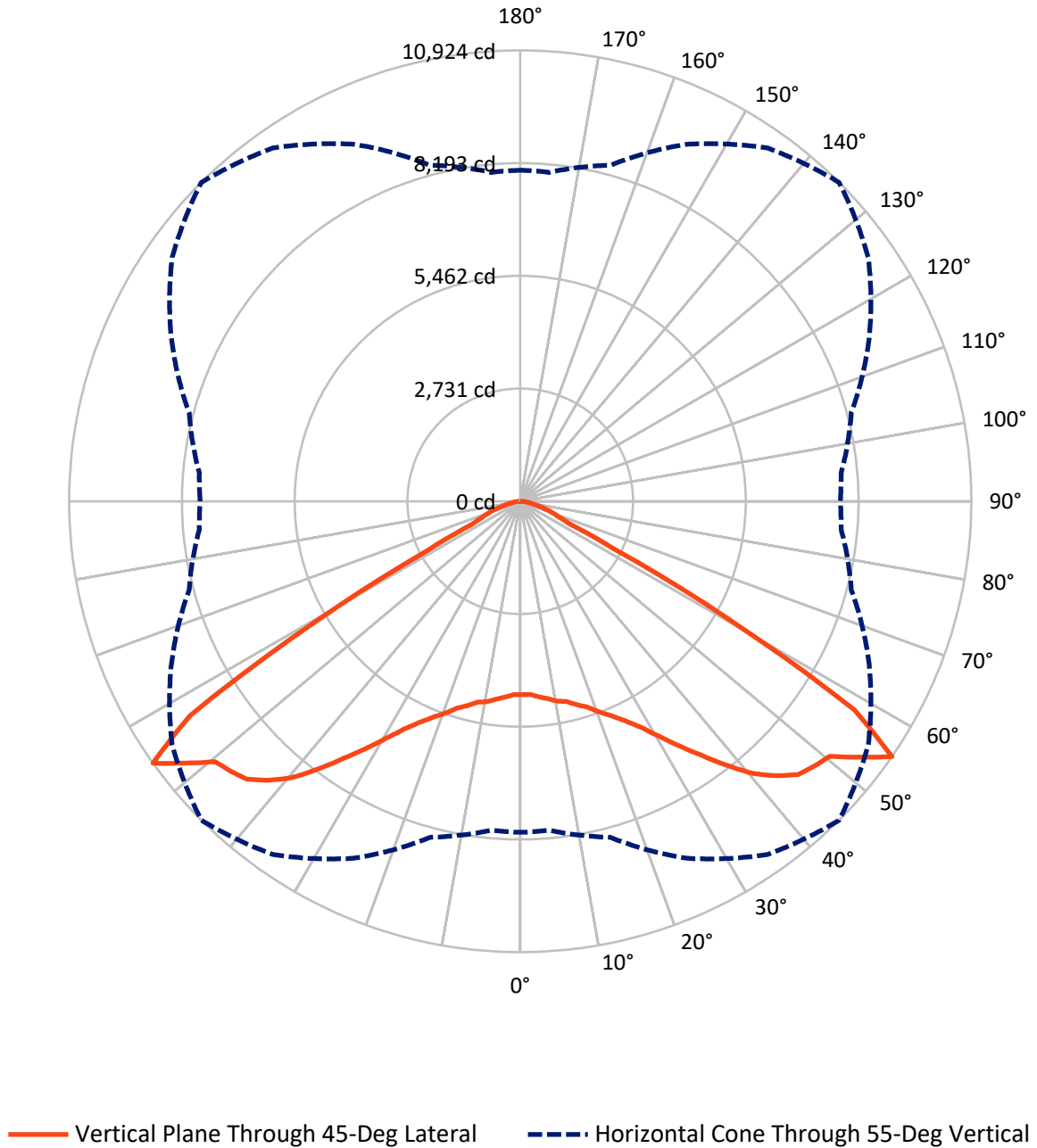
✕ Max cd  
 - - - 1/2 Max cd



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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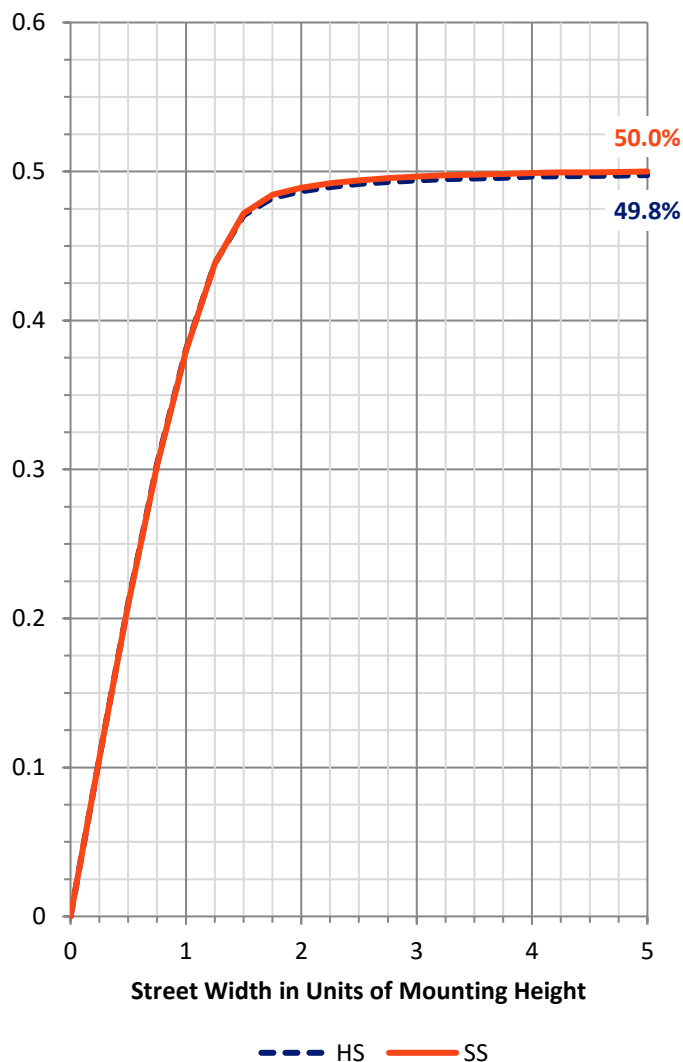
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12833.5	0.0	12833.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12833.5	0.0	12833.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25667.0	0.0	25667.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.8	1.8
10°-20°	1450.6	5.7
20°-30°	2704.9	10.5
30°-40°	4528.9	17.6
40°-50°	7047.3	27.5
50°-60°	7317.3	28.5
60°-70°	1551.8	6.0
70°-80°	511.0	2.0
80°-90°	97.3	0.4
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°	25667.0	100.0
0°-180°	25667.0	100.0

**Coefficient of Utilization**



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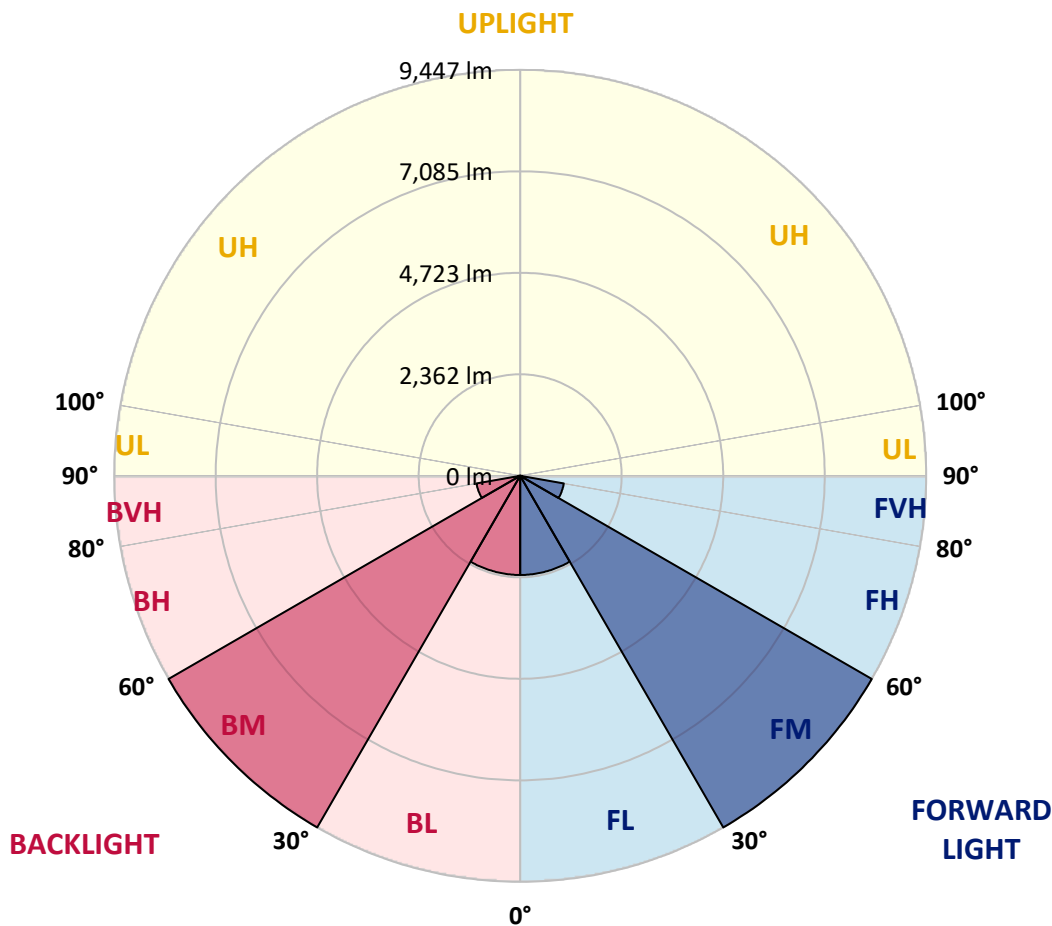
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2306.7	9.0			
FM (30°-60°)	9446.8	36.8			
FH (60°-80°)	1031.4	4.0			G1/1800
FVH (80°-90°)	48.7	0.2			G1/100
BL (0°-30°)	2306.7	9.0	B3/2500		
BM (30°-60°)	9446.8	36.8	B5		
BH (60°-80°)	1031.4	4.0	B3/2500		G1/1800
BVH (80°-90°)	48.7	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°	4686.4	4686.4	4686.4	4686.4	4686.4	4686.4	4686.4	4686.4	4686.4	4686.4	4686.4
2.5°	4742.2	4720.5	4683.3	4711.2	4732.9	4686.4	4705.0	4714.3	4708.1	4683.3	4692.6
5°	4810.5	4798.1	4767.1	4788.8	4760.8	4760.8	4742.2	4717.4	4754.6	4748.4	4763.9
7.5°	4810.5	4795.0	4857.0	4816.7	4829.1	4829.1	4798.1	4773.3	4791.9	4763.9	4748.4
10°	4906.6	4928.3	4900.4	4909.7	4903.5	4925.2	4878.7	4863.2	4847.7	4838.4	4819.8
12.5°	5021.4	5005.9	5015.2	5009.0	5030.7	4974.9	4946.9	4912.8	4940.7	4900.4	4928.3
15°	5114.4	5105.1	5114.4	5139.2	5117.5	5114.4	5064.8	5030.7	4987.3	4996.6	4953.1
17.5°	5241.6	5232.3	5235.4	5257.1	5254.0	5238.5	5201.3	5136.1	5120.6	5095.8	5067.9
20°	5430.8	5415.3	5409.1	5418.4	5433.9	5446.3	5371.8	5347.0	5294.3	5254.0	5207.5
22.5°	5592.1	5585.9	5610.7	5570.3	5604.5	5641.7	5570.3	5557.9	5427.7	5406.0	5356.3
25°	5815.4	5806.1	5790.6	5849.5	5889.8	5886.7	5818.5	5750.2	5651.0	5626.2	5626.2
27.5°	6051.1	5998.4	6079.0	6094.5	6165.8	6187.6	6128.6	6029.4	5936.3	5883.6	5896.0
30°	6345.7	6296.1	6314.7	6426.4	6519.4	6600.1	6451.2	6305.4	6175.1	6082.1	6066.6
32.5°	6640.4	6590.8	6646.6	6755.1	6941.2	7062.2	6916.4	6662.1	6510.1	6373.6	6401.6
35°	6879.2	6916.4	7006.4	7170.7	7363.0	7558.4	7325.8	7130.4	6913.3	6761.3	6783.0
37.5°	7263.8	7378.5	7449.9	7639.1	7912.0	8113.6	7871.7	7617.4	7384.7	7186.2	7118.0
40°	7766.2	7843.8	7924.4	8147.7	8470.3	8671.9	8442.4	8110.5	7881.0	7676.3	7667.0
42.5°	8318.3	8392.7	8476.5	8749.4	8941.7	9093.7	8882.8	8706.0	8451.7	8290.4	8281.1
45°	8960.3	8907.6	9000.6	9180.5	9341.8	9441.1	9304.6	9217.7	9034.8	8885.9	8870.4
47.5°	9388.3	9341.8	9509.3	9670.6	9695.4	9586.8	9614.7	9695.4	9503.1	9258.1	9335.6
50°	9636.5	9636.5	9748.1	9897.0	9850.5	9710.9	9931.1	9937.3	9745.0	9527.9	9527.9
52.5°	9205.3	9301.5	9617.8	10104.8	10259.9	10300.2	10250.6	10039.7	9537.2	9093.7	9072.0
55°	8020.6	7998.8	8426.9	9543.4	10446.0	10923.6	10290.9	9320.1	8299.7	7800.3	7750.7
57.5°	5216.8	5241.6	5880.5	7018.8	8647.1	9537.2	8470.3	7105.6	5880.5	5192.0	5257.1
60°	2347.9	2431.6	2819.3	3669.1	5067.9	5793.7	5080.3	3855.2	2958.9	2568.1	2602.2
62.5°	1349.2	1364.7	1380.2	1637.6	2158.7	2552.6	2242.4	1730.7	1526.0	1457.7	1457.7
65°	1138.3	1129.0	1132.1	1153.8	1209.6	1290.2	1256.1	1209.6	1215.8	1209.6	1200.3
67.5°	967.7	980.1	970.8	986.3	989.4	1001.8	1023.5	1042.1	1045.2	1051.4	1045.2
70°	794.0	797.1	803.3	815.7	818.8	828.1	859.1	874.6	883.9	883.9	896.3
72.5°	607.9	604.8	611.0	623.4	638.9	642.0	669.9	691.6	704.0	688.5	691.6
75°	400.1	403.2	412.5	421.8	443.5	465.2	474.5	496.2	499.3	505.5	490.0
77.5°	238.8	245.0	254.3	272.9	291.5	310.2	331.9	347.4	353.6	347.4	328.8
80°	155.1	155.1	167.5	183.0	204.7	220.2	232.6	245.0	254.3	245.0	238.8
82.5°	96.1	96.1	111.7	130.3	145.8	155.1	173.7	189.2	198.5	192.3	183.0
85°	49.6	52.7	65.1	80.6	93.0	99.2	96.1	86.8	77.5	74.4	68.2
87.5°	15.5	15.5	18.6	18.6	15.5	15.5	18.6	15.5	18.6	18.6	18.6
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)