

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: P530798

Luminaire Tested: **GALN-SA6A-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530798
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-SA6A-740-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA 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: 24426 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

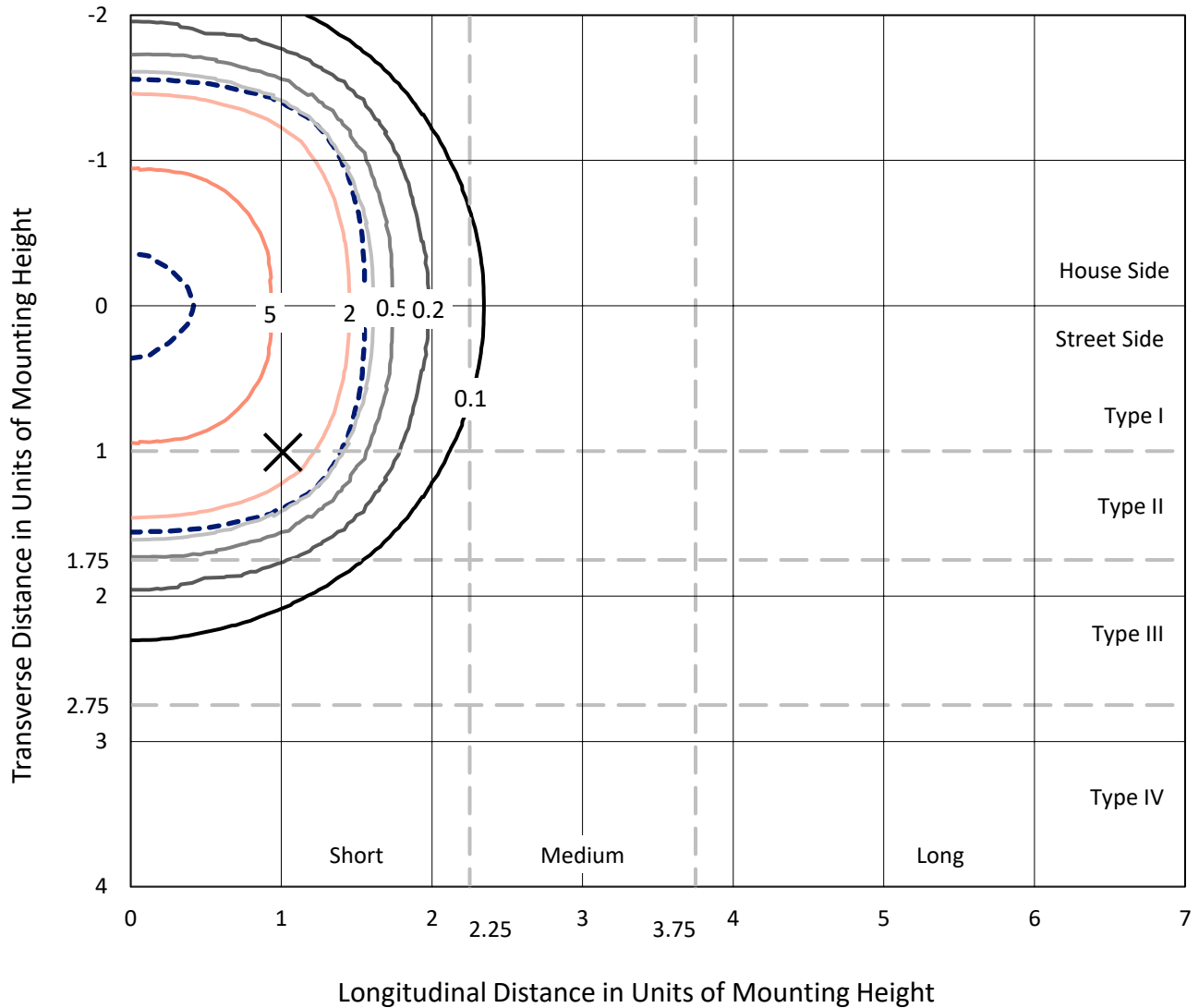
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

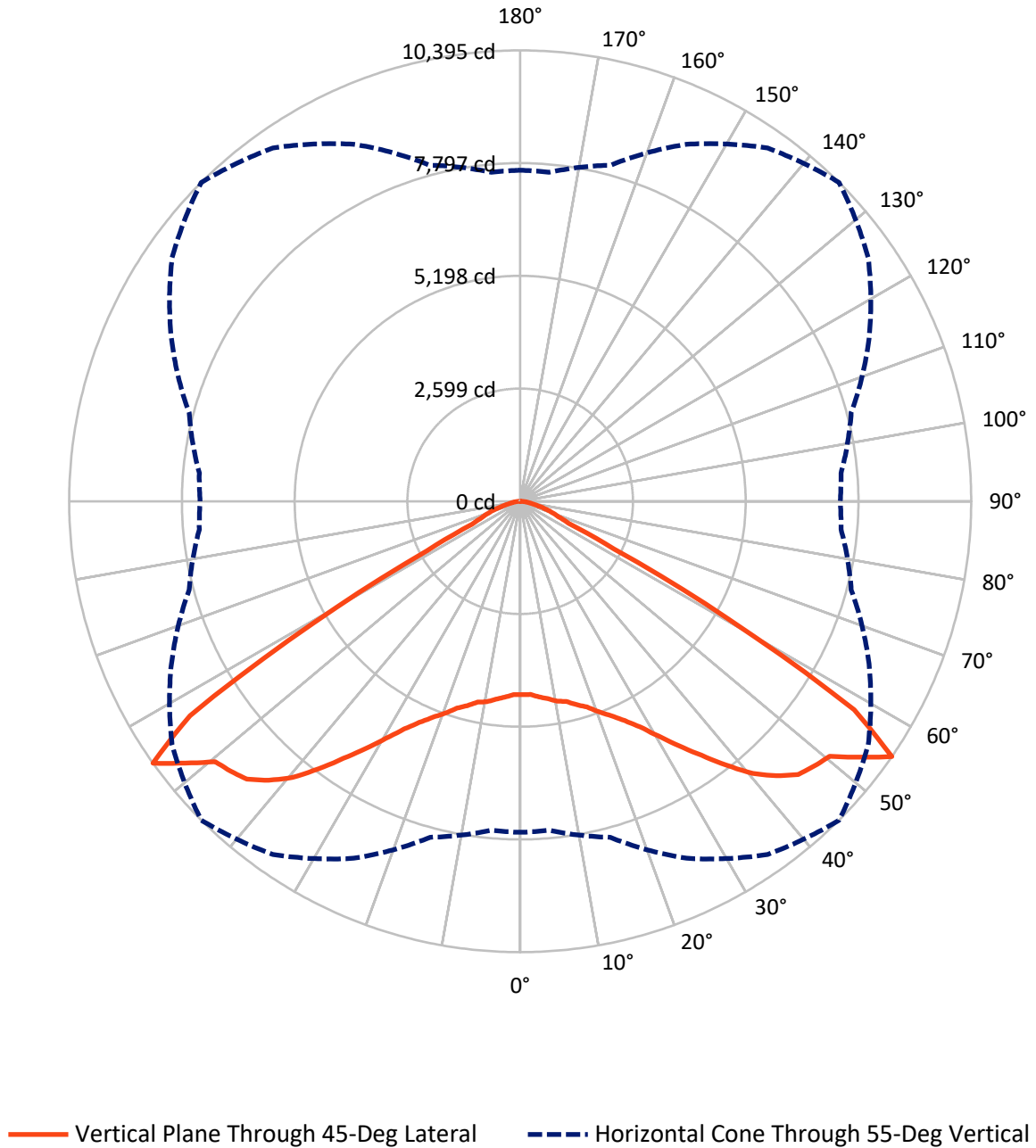
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	12213.0	0.0	12213.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12213.0	0.0	12213.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24426.0	0.0	24426.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.7	1.8
10°-20°	1380.5	5.7
20°-30°	2574.1	10.5
30°-40°	4309.9	17.6
40°-50°	6706.6	27.5
50°-60°	6963.5	28.5
60°-70°	1476.7	6.0
70°-80°	486.3	2.0
80°-90°	92.6	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°	24426.0	100.0
0°-180°	24426.0	100.0

Coefficient of Utilization



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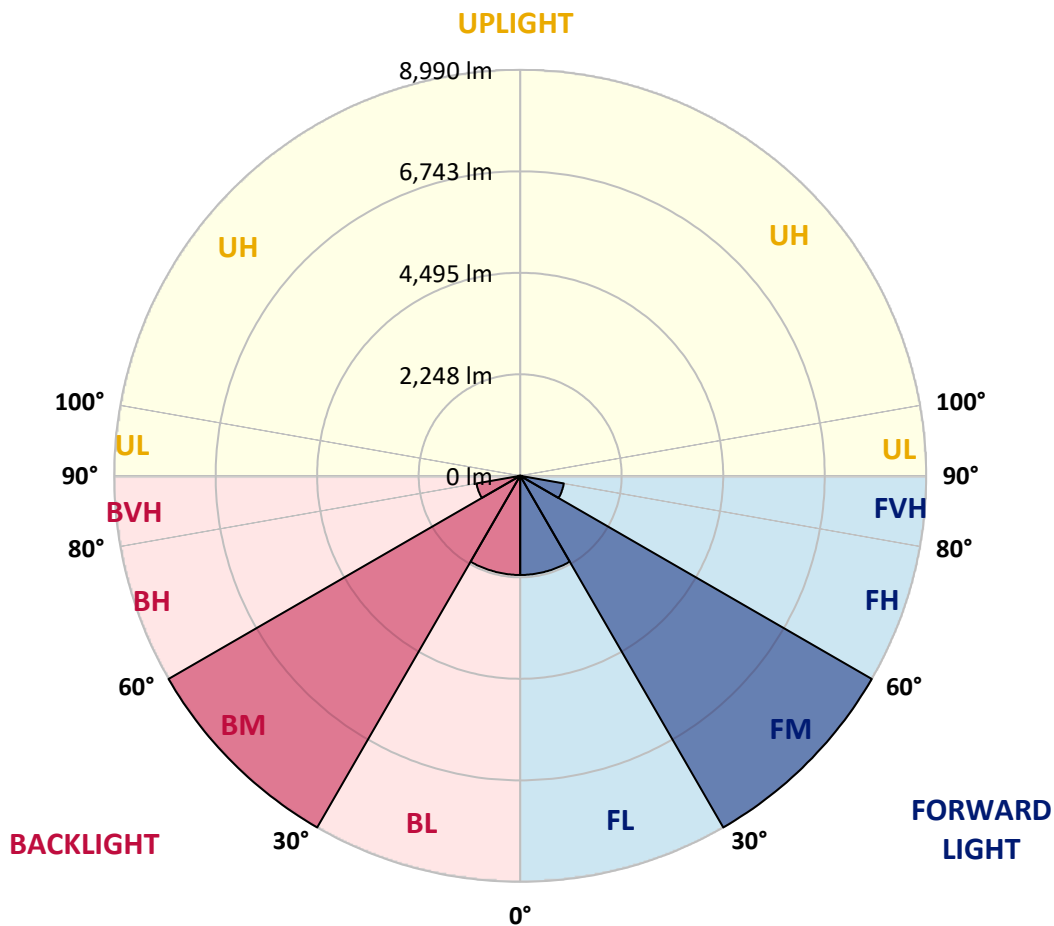
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2195.1	9.0			
FM (30°-60°)	8990.0	36.8			
FH (60°-80°)	981.5	4.0			G1/1800
FVH (80°-90°)	46.3	0.2			G1/100
BL (0°-30°)	2195.1	9.0	B3/2500		
BM (30°-60°)	8990.0	36.8	B5		
BH (60°-80°)	981.5	4.0	B2/1000		G1/1800
BVH (80°-90°)	46.3	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°	4459.8	4459.8	4459.8	4459.8	4459.8	4459.8	4459.8	4459.8	4459.8	4459.8	4459.8
2.5°	4513.0	4492.3	4456.9	4483.4	4504.1	4459.8	4477.5	4486.4	4480.5	4456.9	4465.7
5°	4577.9	4566.1	4536.6	4557.2	4530.7	4530.7	4513.0	4489.3	4524.8	4518.9	4533.6
7.5°	4577.9	4563.1	4622.2	4583.8	4595.6	4595.6	4566.1	4542.5	4560.2	4533.6	4518.9
10°	4669.4	4690.0	4663.5	4672.3	4666.4	4687.1	4642.8	4628.1	4613.3	4604.5	4586.7
12.5°	4778.6	4763.8	4772.7	4766.8	4787.4	4734.3	4707.8	4675.3	4701.9	4663.5	4690.0
15°	4867.1	4858.3	4867.1	4890.8	4870.1	4867.1	4819.9	4787.4	4746.1	4755.0	4713.7
17.5°	4988.2	4979.3	4982.3	5002.9	5000.0	4985.2	4949.8	4887.8	4873.0	4849.4	4822.9
20°	5168.2	5153.4	5147.5	5156.4	5171.2	5183.0	5112.1	5088.5	5038.3	5000.0	4955.7
22.5°	5321.7	5315.8	5339.4	5301.0	5333.5	5368.9	5301.0	5289.2	5165.2	5144.6	5097.4
25°	5534.2	5525.3	5510.6	5566.7	5605.0	5602.1	5537.1	5472.2	5377.8	5354.1	5354.1
27.5°	5758.5	5708.3	5785.1	5799.8	5867.7	5888.4	5832.3	5737.9	5649.3	5599.1	5610.9
30°	6038.9	5991.7	6009.4	6115.7	6204.2	6280.9	6139.3	6000.5	5876.6	5788.0	5773.3
32.5°	6319.3	6272.1	6325.2	6428.5	6605.6	6720.7	6582.0	6340.0	6195.3	6065.5	6092.0
35°	6546.6	6582.0	6667.6	6824.0	7007.0	7193.0	6971.6	6785.7	6579.1	6434.4	6455.1
37.5°	6912.6	7021.8	7089.7	7269.7	7529.5	7721.3	7491.1	7249.1	7027.7	6838.8	6773.9
40°	7390.7	7464.5	7541.3	7753.8	8060.7	8252.6	8034.2	7718.4	7499.9	7305.1	7296.3
42.5°	7916.1	7987.0	8066.6	8326.4	8509.4	8654.0	8453.3	8285.1	8043.0	7889.5	7880.7
45°	8527.1	8476.9	8565.5	8736.6	8890.1	8984.6	8854.7	8772.1	8597.9	8456.2	8441.5
47.5°	8934.4	8890.1	9049.5	9203.0	9226.6	9123.3	9149.9	9226.6	9043.6	8810.4	8884.2
50°	9170.5	9170.5	9276.8	9418.5	9374.2	9241.4	9450.9	9456.8	9273.8	9067.2	9067.2
52.5°	8760.3	8851.8	9152.8	9616.2	9763.8	9802.2	9754.9	9554.2	9076.1	8654.0	8633.3
55°	7632.8	7612.1	8019.4	9082.0	9940.9	10395.4	9793.3	8869.5	7898.4	7423.2	7376.0
57.5°	4964.5	4988.2	5596.2	6679.4	8229.0	9076.1	8060.7	6762.0	5596.2	4940.9	5002.9
60°	2234.3	2314.0	2683.0	3491.7	4822.9	5513.5	4834.7	3668.8	2815.8	2443.9	2476.4
62.5°	1283.9	1298.7	1313.4	1558.4	2054.3	2429.1	2134.0	1647.0	1452.2	1387.2	1387.2
65°	1083.2	1074.4	1077.3	1098.0	1151.1	1227.9	1195.4	1151.1	1157.0	1151.1	1142.3
67.5°	920.9	932.7	923.8	938.6	941.6	953.4	974.0	991.7	994.7	1000.6	994.7
70°	755.6	758.6	764.5	776.3	779.2	788.1	817.6	832.3	841.2	841.2	853.0
72.5°	578.5	575.6	581.5	593.3	608.0	611.0	637.5	658.2	670.0	655.2	658.2
75°	380.8	383.7	392.6	401.4	422.1	442.7	451.6	472.3	475.2	481.1	466.3
77.5°	227.3	233.2	242.0	259.7	277.4	295.2	315.8	330.6	336.5	330.6	312.9
80°	147.6	147.6	159.4	174.1	194.8	209.6	221.4	233.2	242.0	233.2	227.3
82.5°	91.5	91.5	106.3	124.0	138.7	147.6	165.3	180.0	188.9	183.0	174.1
85°	47.2	50.2	62.0	76.7	88.5	94.5	91.5	82.6	73.8	70.8	64.9
87.5°	14.8	14.8	17.7	17.7	14.8	14.8	17.7	14.8	17.7	17.7	17.7
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)