

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: P651932

Luminaire Tested: **GALN-SA6A-840-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651932
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-840-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 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: 20542.3 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

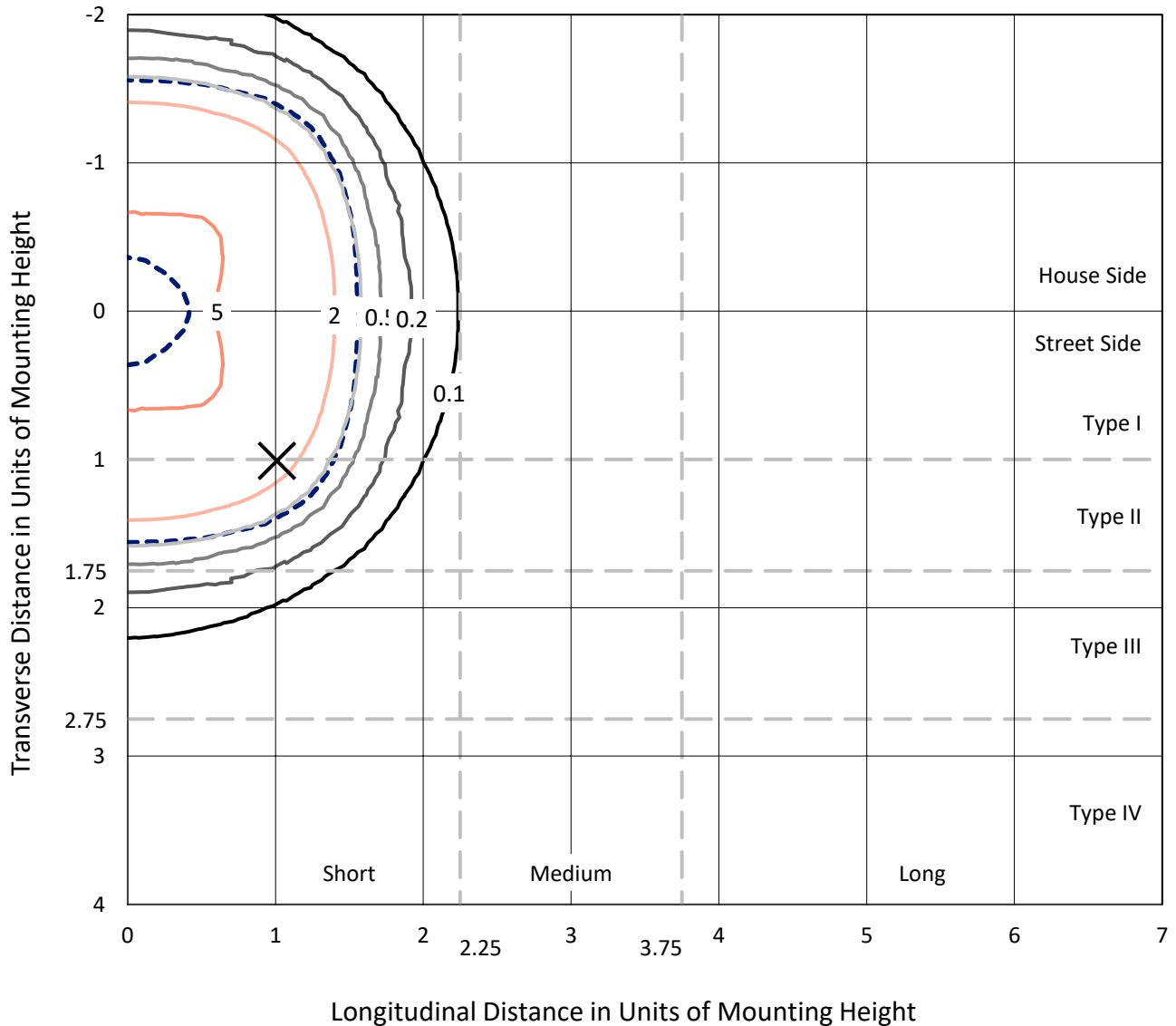
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

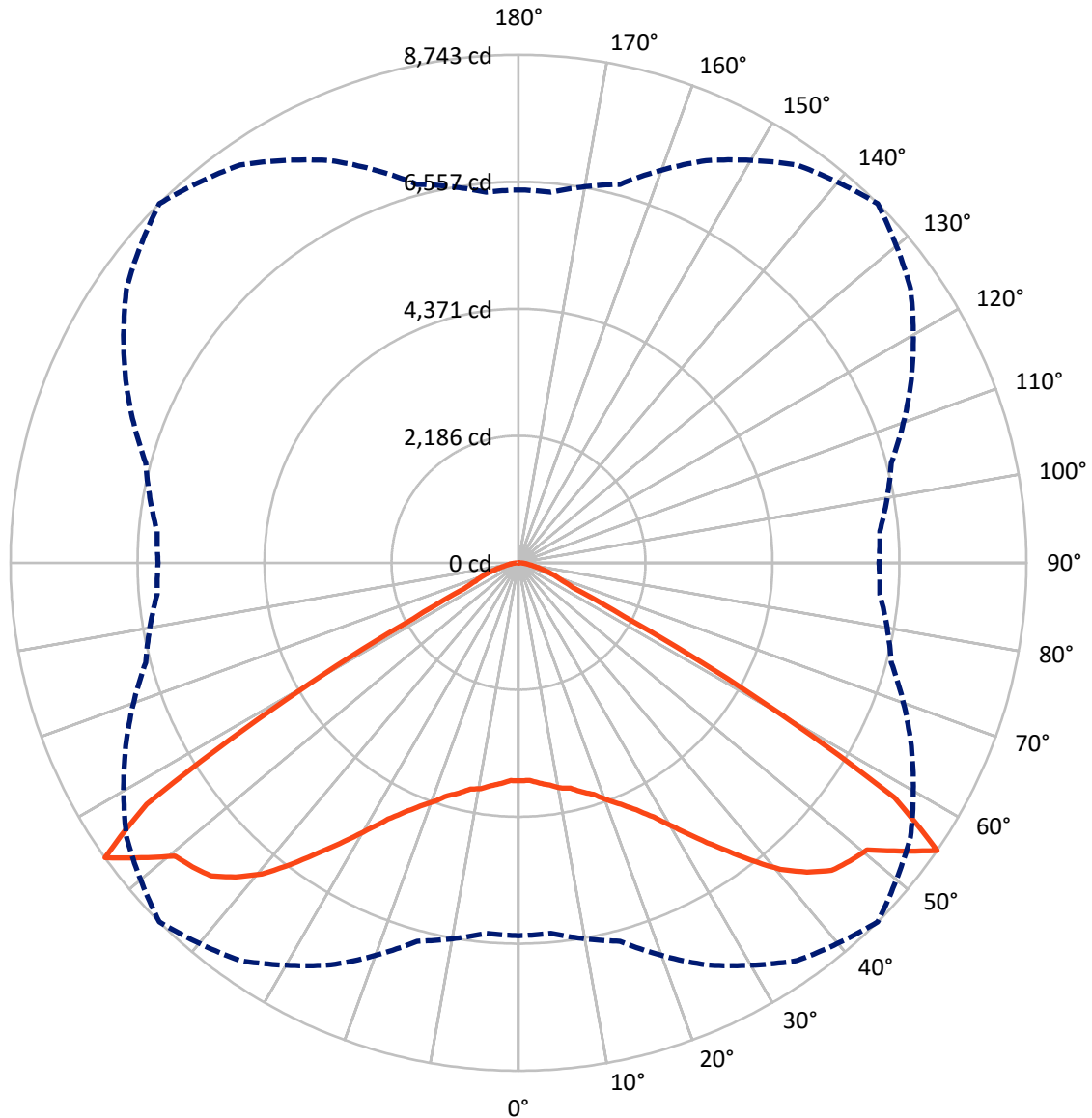
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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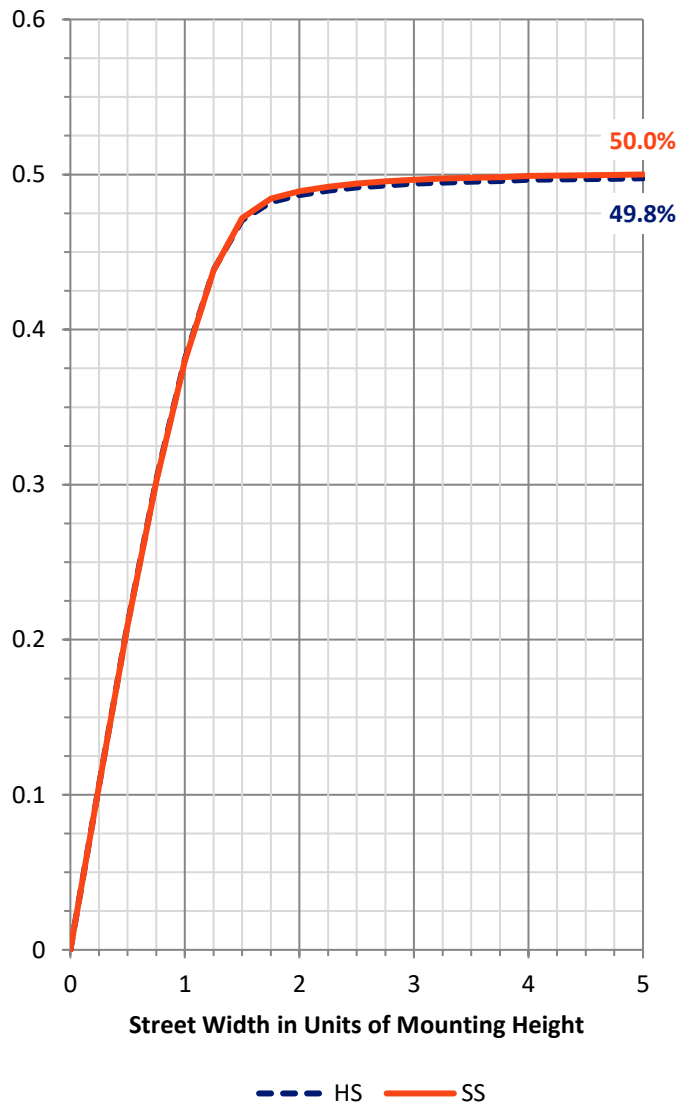
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10271.1	0.0	10271.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10271.1	0.0	10271.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	20542.3	0.0	20542.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.4	1.8
10°-20°	1161.0	5.7
20°-30°	2164.8	10.5
30°-40°	3624.6	17.6
40°-50°	5640.2	27.5
50°-60°	5856.3	28.5
60°-70°	1241.9	6.0
70°-80°	409.0	2.0
80°-90°	77.9	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°	20542.3	100.0
0°-180°	20542.3	100.0

Coefficient of Utilization



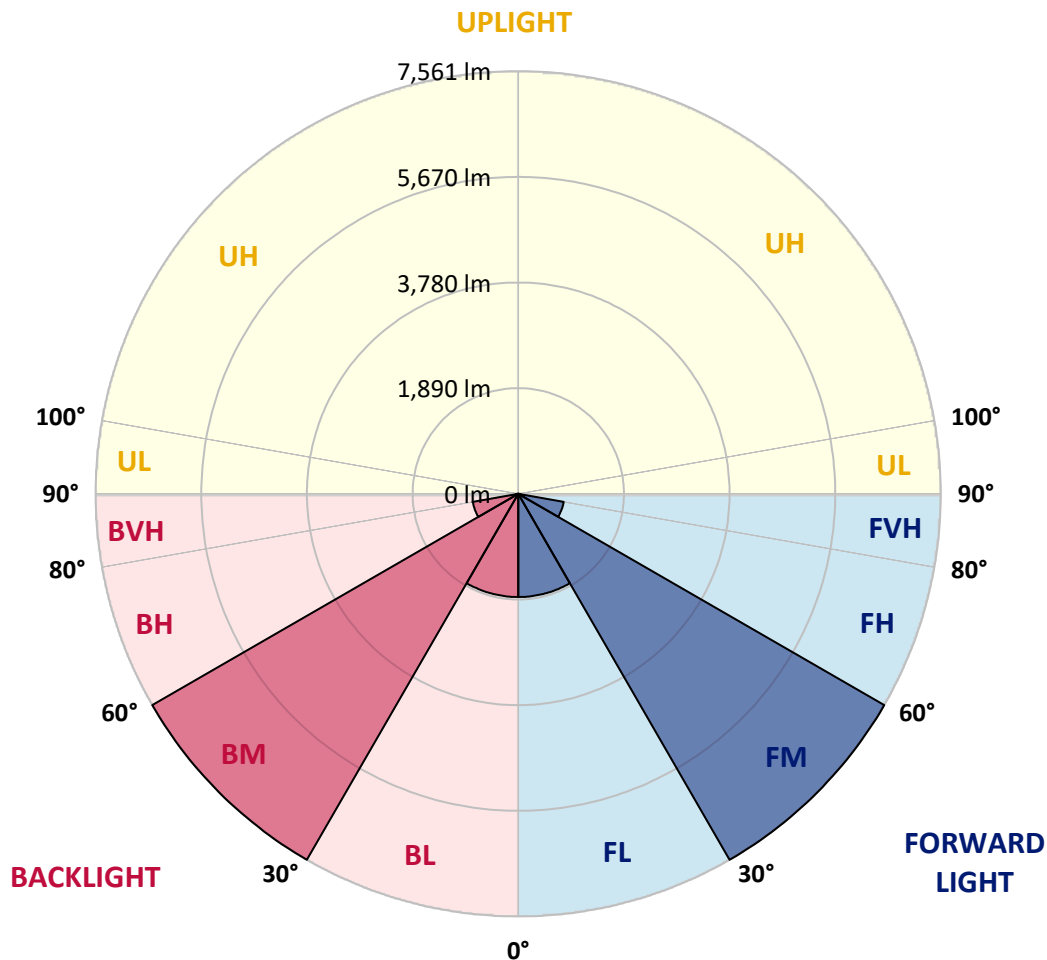
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1846.1	9.0			
FM (30°-60°)	7560.6	36.8			
FH (60°-80°)	825.5	4.0			G1/1800
FVH (80°-90°)	38.9	0.2			G1/100
BL (0°-30°)	1846.1	9.0	B3/2500		
BM (30°-60°)	7560.6	36.8	B4/8500		
BH (60°-80°)	825.5	4.0	B2/1000		G1/1800
BVH (80°-90°)	38.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3750.7	3750.7	3750.7	3750.7	3750.7	3750.7	3750.7	3750.7	3750.7	3750.7	3750.7
2.5°	3795.4	3778.0	3748.3	3770.5	3787.9	3750.7	3765.6	3773.1	3768.1	3748.3	3755.7
5°	3850.0	3840.1	3815.3	3832.6	3810.3	3810.3	3795.4	3775.5	3805.4	3800.4	3812.8
7.5°	3850.0	3837.6	3887.3	3855.0	3864.9	3864.9	3840.1	3820.2	3835.1	3812.8	3800.4
10°	3927.0	3944.3	3922.0	3929.4	3924.4	3941.9	3904.6	3892.2	3879.8	3872.4	3857.4
12.5°	4018.8	4006.4	4013.8	4008.9	4026.2	3981.5	3959.3	3931.9	3954.3	3922.0	3944.3
15°	4093.2	4085.8	4093.2	4113.2	4095.8	4093.2	4053.5	4026.2	3991.5	3999.0	3964.2
17.5°	4195.1	4187.6	4190.1	4207.4	4205.0	4192.6	4162.8	4110.6	4098.2	4078.3	4056.1
20°	4346.5	4334.0	4329.0	4336.5	4349.0	4358.9	4299.3	4279.4	4237.2	4205.0	4167.7
22.5°	4475.5	4470.6	4490.4	4458.1	4485.5	4515.2	4458.1	4448.2	4343.9	4326.6	4286.9
25°	4654.3	4646.8	4634.4	4681.6	4713.8	4711.4	4656.7	4602.1	4522.7	4502.8	4502.8
27.5°	4842.9	4800.7	4865.3	4877.6	4934.7	4952.1	4905.0	4825.6	4751.1	4708.8	4718.8
30°	5078.7	5039.0	5053.9	5143.3	5217.7	5282.2	5163.2	5046.4	4942.2	4867.7	4855.3
32.5°	5314.5	5274.8	5319.5	5406.4	5555.3	5652.1	5535.5	5331.9	5210.2	5101.1	5123.4
35°	5505.7	5535.5	5607.5	5739.0	5892.9	6049.3	5863.1	5706.8	5533.0	5411.3	5428.7
37.5°	5813.5	5905.3	5962.4	6113.8	6332.3	6493.6	6300.0	6096.5	5910.3	5751.4	5696.8
40°	6215.6	6277.6	6342.2	6520.9	6779.0	6940.4	6756.8	6491.2	6307.4	6143.6	6136.2
42.5°	6657.4	6717.1	6784.0	7002.5	7156.4	7278.0	7109.2	6967.8	6764.2	6635.1	6627.7
45°	7171.3	7129.1	7203.6	7347.5	7476.6	7556.0	7446.8	7377.3	7230.8	7111.7	7099.3
47.5°	7513.8	7476.6	7610.6	7739.7	7759.6	7672.7	7695.1	7759.6	7605.7	7409.5	7471.6
50°	7712.4	7712.4	7801.8	7921.0	7883.7	7772.0	7948.2	7953.2	7799.3	7625.5	7625.5
52.5°	7367.4	7444.4	7697.5	8087.2	8211.4	8243.7	8203.9	8035.1	7633.0	7278.0	7260.6
55°	6419.2	6401.8	6744.3	7638.0	8360.3	8742.5	8236.2	7459.2	6642.6	6242.9	6203.2
57.5°	4175.1	4195.1	4706.4	5617.4	6920.6	7633.0	6779.0	5686.8	4706.4	4155.3	4207.4
60°	1879.0	1946.1	2256.4	2936.5	4056.1	4636.9	4066.0	3085.5	2368.1	2055.3	2082.7
62.5°	1079.8	1092.2	1104.6	1310.6	1727.7	2042.9	1794.7	1385.1	1221.3	1166.6	1166.6
65°	911.0	903.6	906.0	923.4	968.1	1032.7	1005.3	968.1	973.0	968.1	960.7
67.5°	774.5	784.4	776.9	789.4	791.9	801.8	819.1	834.0	836.5	841.5	836.5
70°	635.5	638.0	642.9	652.9	655.3	662.8	687.6	700.0	707.4	707.4	717.4
72.5°	486.5	484.1	489.0	499.0	511.3	513.9	536.1	553.5	563.5	551.0	553.5
75°	320.3	322.7	330.2	337.6	355.0	372.3	379.8	397.2	399.6	404.6	392.2
77.5°	191.2	196.1	203.5	218.4	233.3	248.3	265.6	278.0	283.0	278.0	263.1
80°	124.1	124.1	134.1	146.4	163.8	176.3	186.2	196.1	203.5	196.1	191.2
82.5°	77.0	77.0	89.4	104.3	116.6	124.1	139.0	151.4	158.9	153.9	146.4
85°	39.7	42.2	52.1	64.5	74.4	79.5	77.0	69.5	62.1	59.5	54.6
87.5°	12.4	12.4	14.9	14.9	12.4	12.4	14.9	12.4	14.9	14.9	14.9
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)