

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: P530744

Luminaire Tested: **GALN-SA6A-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21799 lumens
Efficiency: N/A
Efficacy: 119.8 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

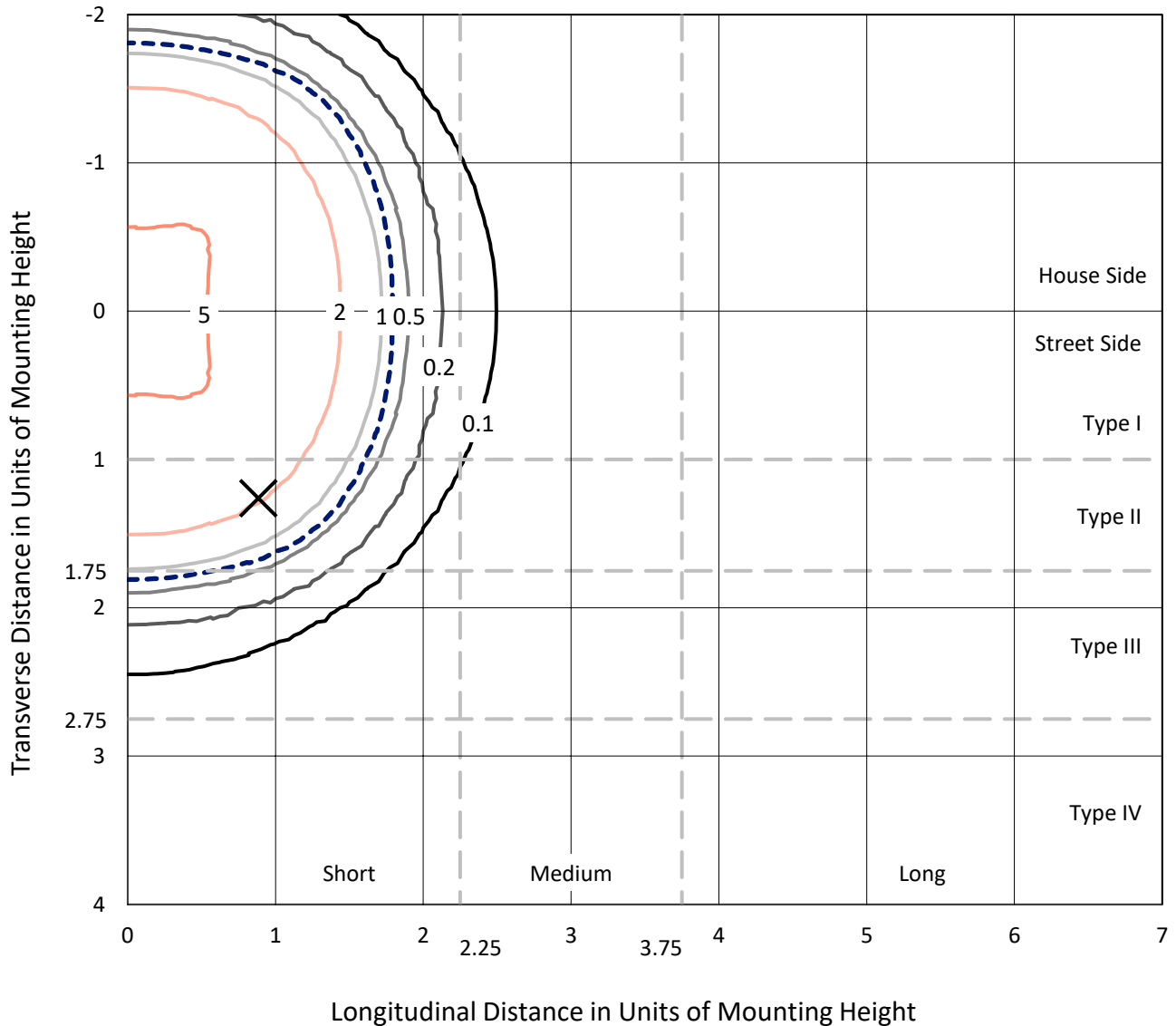




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Iso-Footcandle Lines of Horizontal Illumination

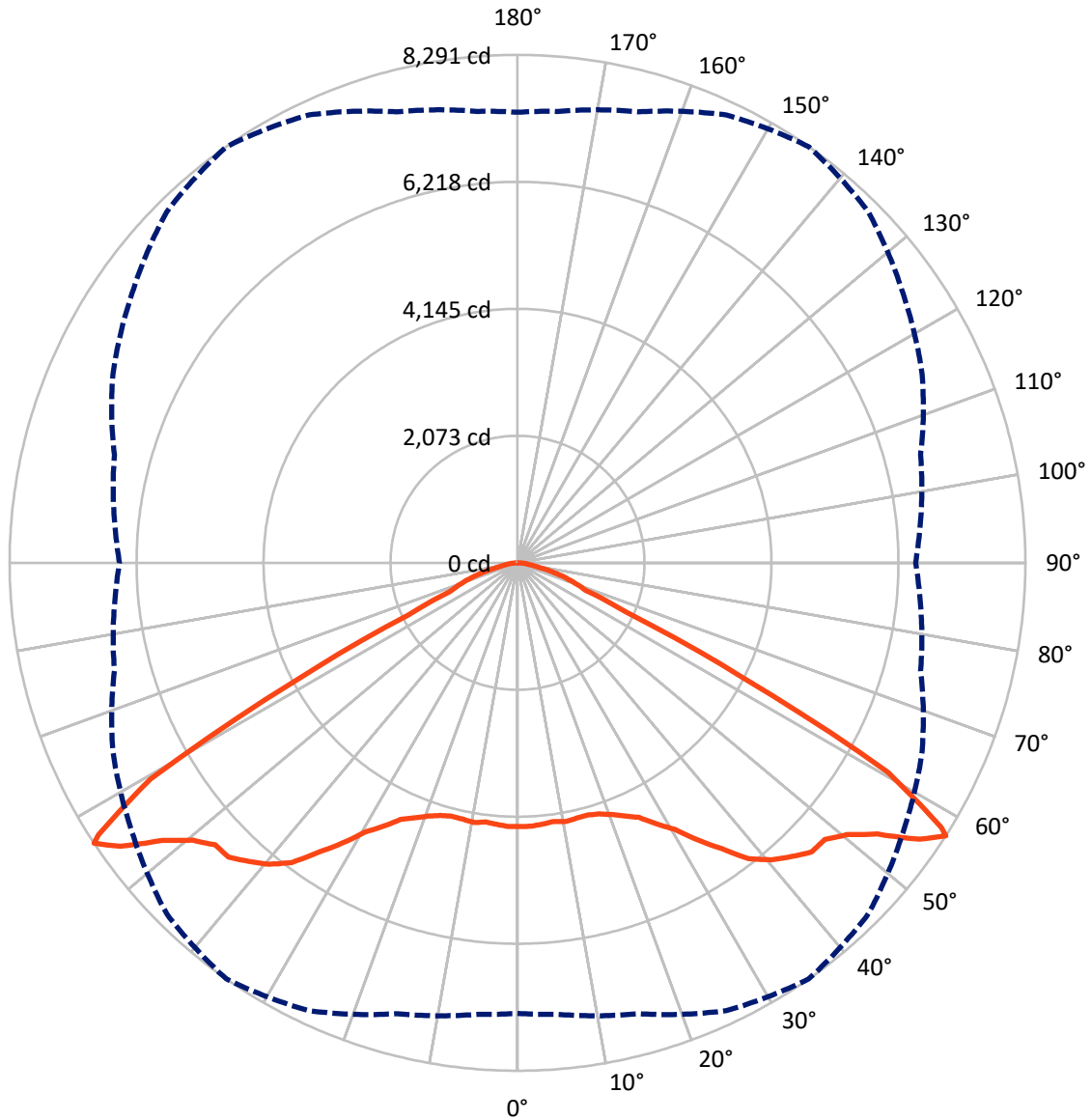
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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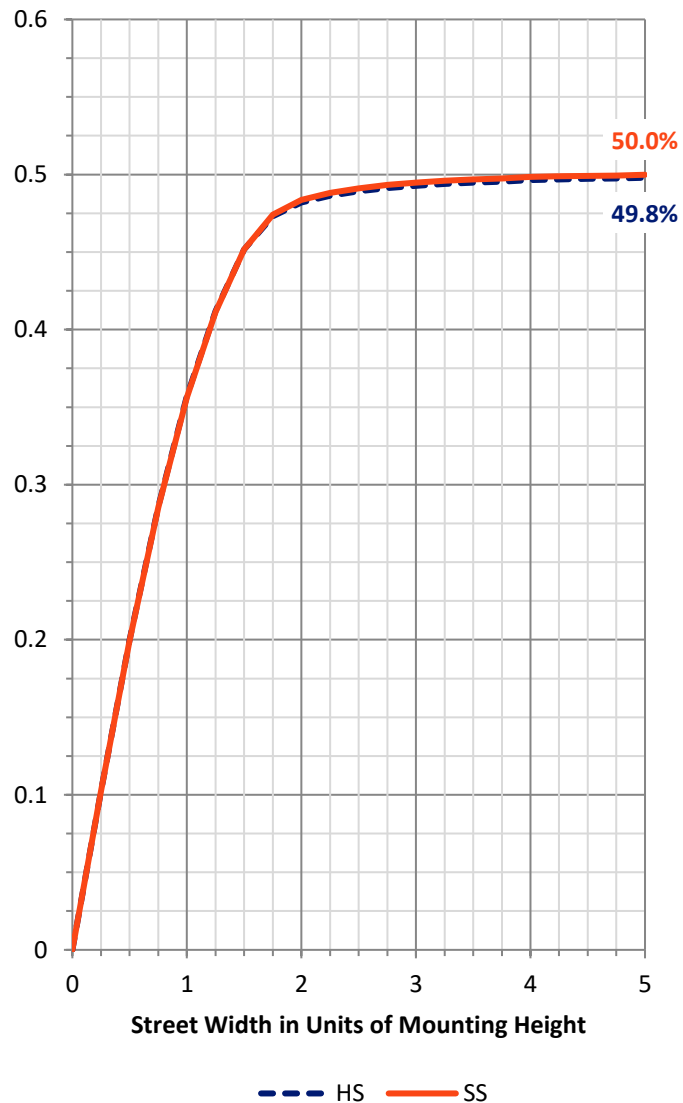
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10899.5	0.0	10899.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10899.5	0.0	10899.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21799.0	0.0	21799.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.1	1.9
10°-20°	1208.8	5.5
20°-30°	2111.2	9.7
30°-40°	3459.2	15.9
40°-50°	5072.0	23.3
50°-60°	6388.6	29.3
60°-70°	2402.7	11.0
70°-80°	638.9	2.9
80°-90°	109.6	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°	21799.0	100.0
0°-180°	21799.0	100.0

Coefficient of Utilization



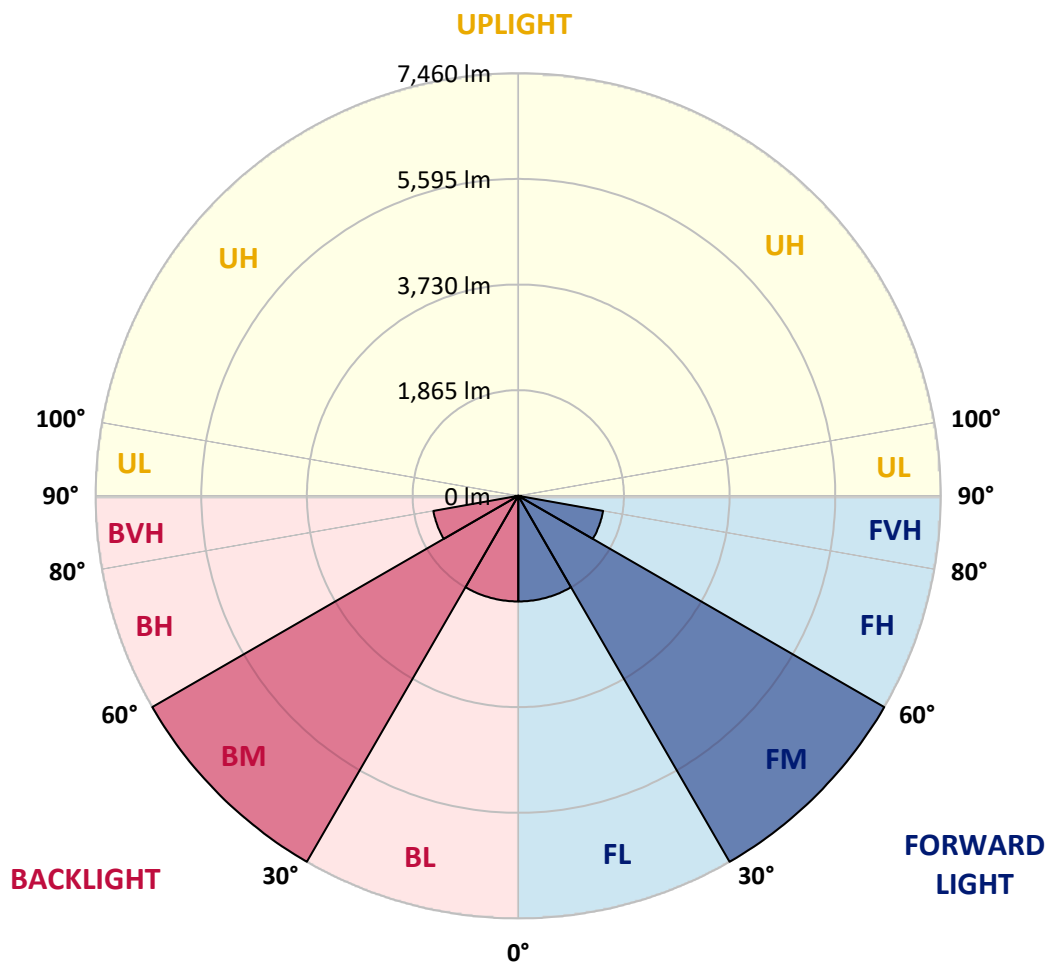
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1864.1	8.6			
FM (30°-60°)	7459.9	34.2			
FH (60°-80°)	1520.8	7.0			G1/1800
FVH (80°-90°)	54.8	0.3			G1/100
BL (0°-30°)	1864.1	8.6	B3/2500		
BM (30°-60°)	7459.9	34.2	B4/8500		
BH (60°-80°)	1520.8	7.0	B3/2500		G1/1800
BVH (80°-90°)	54.8	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4305.1	4305.1	4305.1	4305.1	4305.1	4305.1	4305.1	4305.1	4305.1	4305.1	4305.1
2.5°	4283.7	4326.6	4307.8	4297.1	4305.1	4291.7	4270.2	4294.4	4289.0	4267.5	4259.5
5°	4272.9	4305.1	4283.7	4305.1	4283.7	4321.3	4310.5	4270.2	4318.6	4272.9	4289.0
7.5°	4264.9	4275.6	4281.0	4270.2	4262.2	4307.8	4283.7	4264.9	4238.0	4229.9	4243.4
10°	4246.1	4272.9	4232.6	4286.3	4297.1	4264.9	4264.9	4229.9	4208.5	4195.0	4240.7
12.5°	4294.4	4248.7	4243.4	4270.2	4278.3	4291.7	4254.1	4235.3	4195.0	4200.4	4192.3
15°	4238.0	4256.8	4259.5	4264.9	4272.9	4305.1	4270.2	4229.9	4213.8	4157.4	4162.8
17.5°	4259.5	4240.7	4259.5	4321.3	4310.5	4334.7	4297.1	4235.3	4197.7	4165.5	4208.5
20°	4297.1	4289.0	4297.1	4372.3	4385.7	4407.2	4375.0	4318.6	4246.1	4208.5	4229.9
22.5°	4337.4	4332.0	4337.4	4409.9	4487.8	4514.6	4482.4	4350.8	4313.2	4243.4	4219.2
25°	4409.9	4415.3	4471.7	4552.2	4603.3	4654.3	4595.2	4501.2	4380.3	4337.4	4286.3
27.5°	4571.0	4584.5	4616.7	4734.9	4823.5	4869.1	4785.9	4657.0	4581.8	4493.1	4479.7
30°	4769.8	4769.8	4826.2	4928.2	5049.1	5118.9	5016.8	4863.8	4772.4	4724.1	4694.6
32.5°	5033.0	5003.4	5024.9	5204.8	5392.8	5451.9	5315.0	5127.0	4981.9	4917.5	4896.0
35°	5258.6	5277.4	5325.7	5519.1	5728.6	5865.5	5650.7	5406.3	5258.6	5199.5	5188.7
37.5°	5551.3	5583.5	5607.7	5873.6	6126.0	6177.1	5970.3	5774.2	5594.3	5545.9	5519.1
40°	5964.9	5943.4	5951.5	6147.5	6375.8	6408.0	6203.9	6064.3	5916.5	5887.0	5887.0
42.5°	6306.0	6281.8	6308.7	6381.2	6555.7	6531.6	6418.8	6316.7	6254.9	6222.7	6254.9
45°	6512.8	6507.4	6555.7	6609.5	6733.0	6652.4	6563.8	6579.9	6520.8	6467.1	6464.4
47.5°	6738.4	6703.5	6762.5	6843.1	6749.1	6711.5	6706.1	6741.1	6722.3	6628.3	6598.7
50°	6848.5	6835.1	6929.0	7023.0	6972.0	6886.1	6904.9	6961.3	6719.6	6593.3	6520.8
52.5°	7143.9	7146.6	7326.5	7377.6	7356.1	7229.8	7270.1	7117.0	6832.4	6655.1	6663.2
55°	7608.5	7589.7	7791.2	7941.5	7965.7	7804.6	7611.2	7396.4	7039.2	6859.2	6805.5
57°	7353.4	7396.4	7619.3	8065.1	8290.7	8100.0	7678.4	7286.2	6810.9	6593.3	6496.7
57.5°	7012.3	7082.1	7468.9	7917.4	8153.7	8137.6	7595.1	7082.1	6657.8	6319.4	6327.5
60°	5137.7	5151.1	5500.3	6212.0	6950.5	6966.6	6306.0	5626.5	5153.8	4785.9	4836.9
62.5°	2709.8	2771.6	2911.3	3483.3	4122.5	4278.3	3878.1	3529.0	3120.8	2841.4	2868.3
65°	1434.2	1426.1	1493.2	1654.4	1968.6	2049.2	1995.5	1718.8	1576.5	1530.8	1533.5
67.5°	1165.6	1179.0	1171.0	1179.0	1200.5	1235.4	1227.4	1238.1	1246.2	1259.6	1256.9
70°	988.3	988.3	993.7	996.4	996.4	1012.5	1031.3	1066.2	1068.9	1082.3	1087.7
72.5°	778.8	773.5	781.5	800.3	803.0	816.4	843.3	864.8	872.8	872.8	856.7
75°	529.1	534.4	545.2	561.3	577.4	601.6	623.1	636.5	641.9	633.8	625.8
77.5°	298.1	303.5	311.5	335.7	354.5	376.0	400.2	413.6	427.0	429.7	413.6
80°	177.3	177.3	190.7	209.5	231.0	252.5	273.9	290.1	295.4	295.4	287.4
82.5°	107.4	110.1	120.9	139.7	158.5	171.9	190.7	204.1	214.9	212.2	206.8
85°	56.4	56.4	67.1	83.3	96.7	110.1	110.1	102.1	96.7	83.3	77.9
87.5°	18.8	16.1	21.5	21.5	18.8	21.5	21.5	24.2	24.2	24.2	24.2
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)