

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: P454395

Luminaire Tested: **GALN-SA5C-730-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5C-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

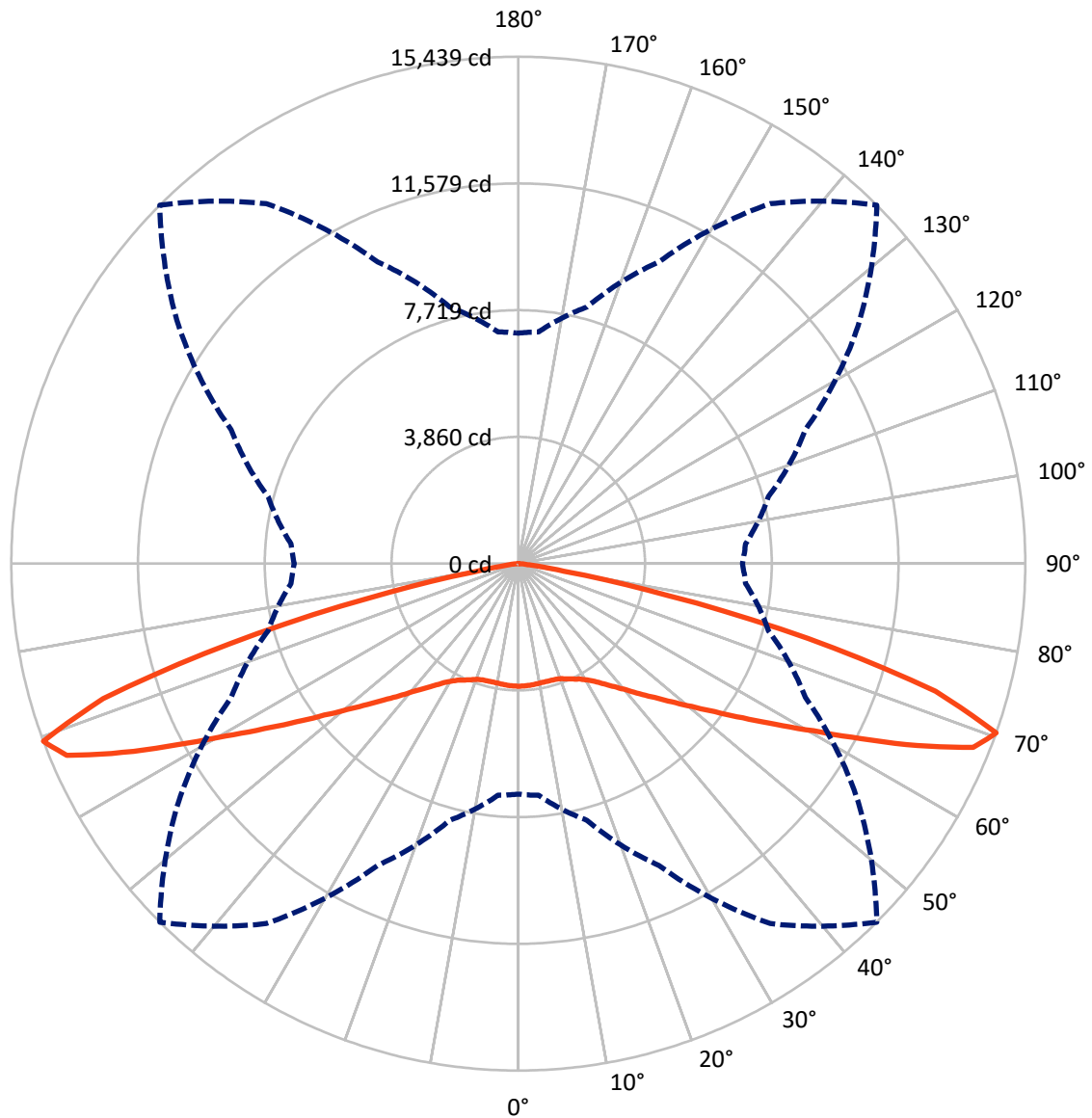
Lumens per Lamp: N/A
Luminaire Lumens: 33629 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 269
Input Voltage (V): NR
Input Current (A_{in}): 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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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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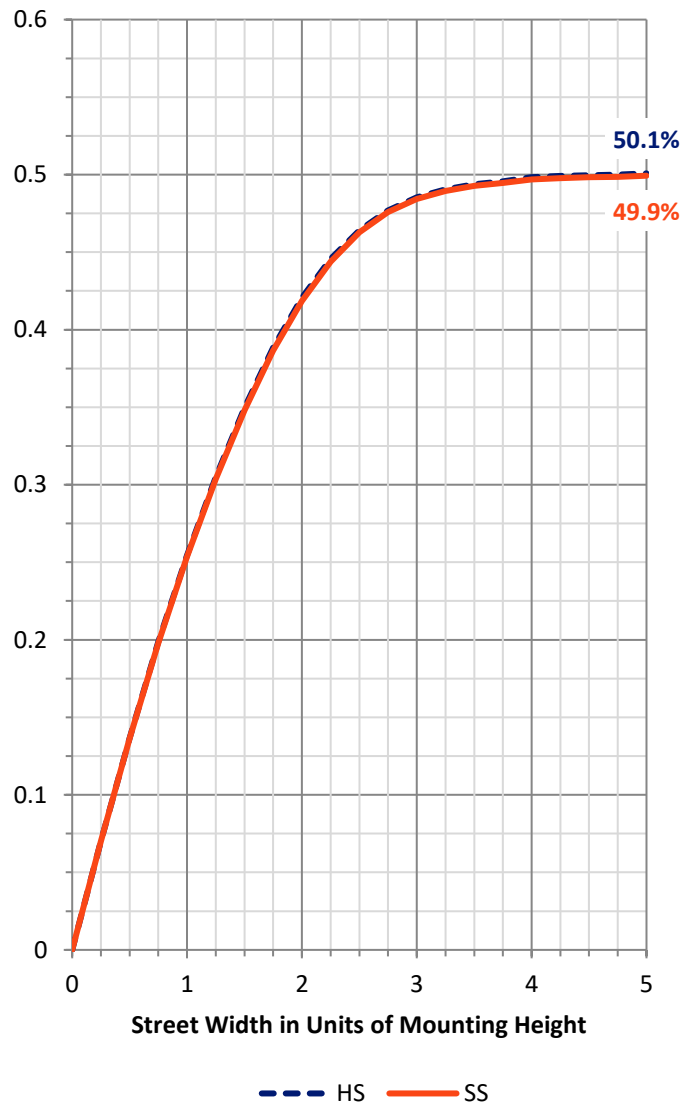
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16814.5	0.0	16814.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16814.5	0.0	16814.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33629.0	0.0	33629.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.1	1.1
10°-20°	1039.2	3.1
20°-30°	1777.3	5.3
30°-40°	2820.9	8.4
40°-50°	4550.8	13.5
50°-60°	7404.3	22.0
60°-70°	10733.6	31.9
70°-80°	4761.0	14.2
80°-90°	187.8	0.6
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°	33629.0	100.0
0°-180°	33629.0	100.0



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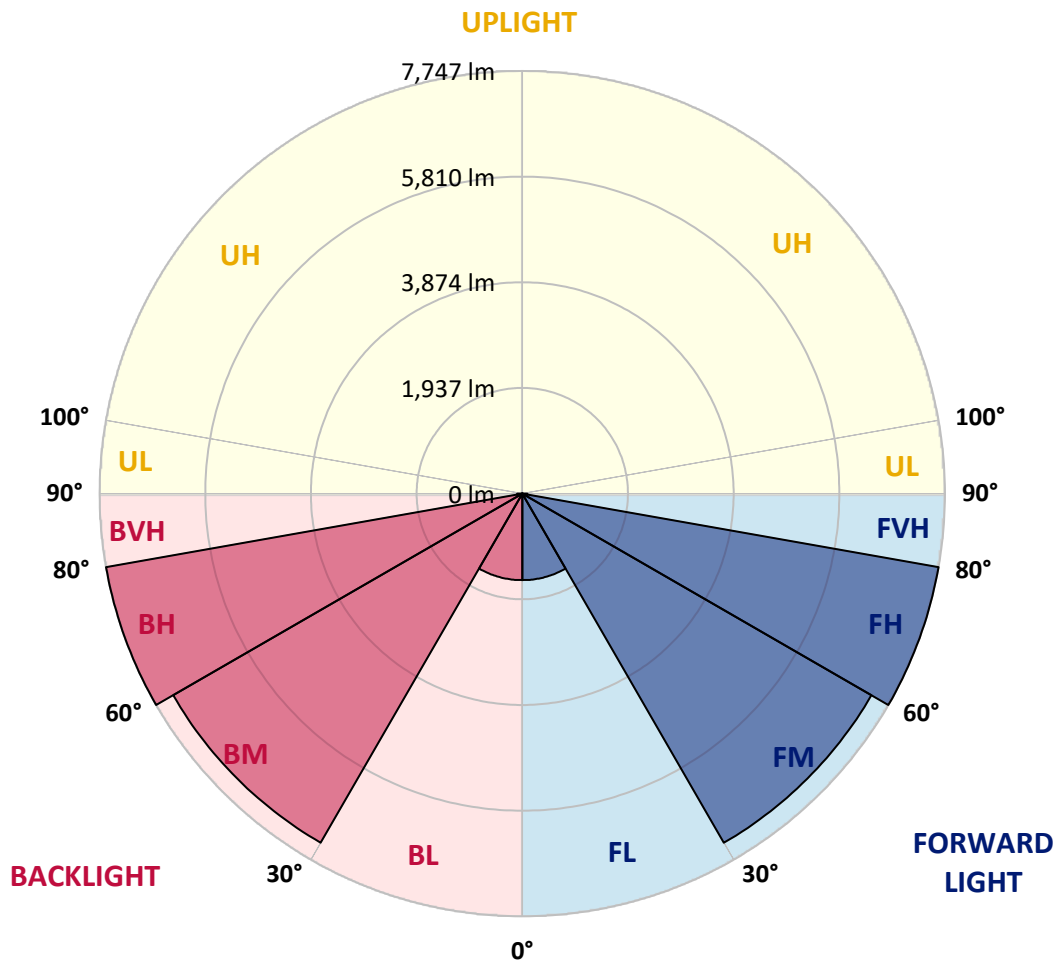
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1585.3	4.7			
FM (30°-60°)	7388.0	22.0			
FH (60°-80°)	7747.3	23.0			G4/12000
FVH (80°-90°)	93.9	0.3			G1/100
BL (0°-30°)	1585.3	4.7	B3/2500		
BM (30°-60°)	7388.0	22.0	B4/8500		
BH (60°-80°)	7747.3	23.0	B5		G4/12000
BVH (80°-90°)	93.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3734.3	3734.3	3734.3	3734.3	3734.3	3734.3	3734.3	3734.3	3734.3	3734.3	3734.3
2.5°	3734.3	3737.9	3732.6	3729.0	3727.3	3727.3	3725.5	3727.3	3737.9	3739.7	3734.3
5°	3723.7	3727.3	3725.5	3721.9	3720.2	3720.2	3718.4	3716.6	3725.5	3729.0	3727.3
7.5°	3709.5	3711.3	3709.5	3707.8	3709.5	3707.8	3702.4	3698.9	3706.0	3706.0	3704.2
10°	3684.7	3688.3	3686.5	3688.3	3691.8	3691.8	3684.7	3677.6	3679.4	3675.9	3675.9
12.5°	3654.6	3659.9	3661.7	3668.8	3677.6	3688.3	3672.3	3656.4	3652.8	3651.0	3649.3
15°	3635.1	3640.4	3647.5	3654.6	3670.5	3693.6	3670.5	3645.7	3638.6	3631.5	3628.0
17.5°	3629.8	3636.9	3647.5	3658.1	3679.4	3702.4	3682.9	3658.1	3640.4	3629.8	3626.2
20°	3644.0	3649.3	3665.2	3684.7	3714.8	3737.9	3718.4	3691.8	3665.2	3649.3	3644.0
22.5°	3672.3	3681.2	3700.7	3736.1	3778.7	3812.3	3785.7	3741.4	3698.9	3677.6	3670.5
25°	3734.3	3741.4	3764.5	3812.3	3862.0	3893.9	3865.5	3814.1	3755.6	3727.3	3718.4
27.5°	3828.3	3838.9	3863.7	3920.4	3961.2	3978.9	3959.4	3924.0	3881.4	3851.3	3844.2
30°	3961.2	3973.6	4010.8	4071.1	4097.7	4108.3	4099.4	4076.4	4046.3	4014.4	4007.3
32.5°	4140.2	4147.3	4189.8	4246.6	4271.4	4274.9	4264.3	4253.6	4204.0	4150.8	4147.3
35°	4340.5	4352.9	4404.3	4471.6	4494.7	4496.5	4475.2	4459.2	4400.7	4358.2	4358.2
37.5°	4606.3	4611.7	4661.3	4737.5	4762.3	4755.2	4744.6	4730.4	4668.4	4613.4	4615.2
40°	4918.3	4928.9	4971.4	5060.1	5060.1	5051.2	5058.3	5047.7	4985.6	4932.5	4934.2
42.5°	5288.7	5294.0	5345.4	5439.3	5432.3	5414.5	5421.6	5407.4	5368.4	5308.2	5286.9
45°	5683.9	5705.2	5793.8	5884.2	5870.0	5813.3	5841.7	5838.1	5802.7	5712.3	5717.6
47.5°	6160.7	6196.1	6281.2	6389.3	6373.4	6284.8	6316.7	6337.9	6288.3	6189.0	6171.3
50°	6697.7	6720.8	6846.6	6947.6	6933.4	6839.5	6912.2	6915.7	6791.6	6651.6	6651.6
52.5°	7270.2	7293.2	7463.4	7621.1	7630.0	7493.5	7552.0	7548.4	7346.4	7162.1	7126.6
55°	7911.8	7922.4	8142.2	8374.4	8424.0	8291.1	8298.1	8227.2	7964.9	7750.5	7731.0
57.5°	8574.6	8613.6	8856.4	9157.7	9304.8	9223.3	9186.1	8996.4	8743.0	8496.6	8484.2
60°	9308.4	9310.2	9625.6	9981.9	10279.6	10334.6	10182.2	9928.7	9600.8	9274.7	9260.5
62.5°	9817.0	9893.3	10292.0	10894.6	11428.1	11736.5	11334.2	10802.5	10157.3	9631.0	9577.8
65°	9921.6	9973.0	10580.9	11601.8	12691.8	13356.4	12425.9	11295.2	10194.6	9492.7	9457.3
67.5°	9076.2	9131.1	9950.0	11516.7	13578.0	14940.9	13134.9	11057.7	9563.6	8695.2	8626.0
70°	7020.3	7082.3	8094.3	10137.8	13381.2	15438.9	12629.8	9645.1	7887.0	6949.4	6823.5
72.5°	3732.6	3961.2	4826.1	6958.2	10861.0	13292.6	10355.8	7038.0	5086.6	4157.9	3991.3
75°	1362.9	1391.3	1873.4	3085.7	6318.4	9115.2	6561.2	3356.8	1930.1	1490.5	1414.3
77.5°	563.6	561.8	616.8	932.3	2295.2	4668.4	2561.0	985.4	615.0	568.9	561.8
80°	333.2	333.2	366.9	388.1	604.4	1409.0	675.3	439.5	368.6	336.7	342.1
82.5°	148.9	157.7	232.2	244.6	292.4	386.4	326.1	280.0	241.0	166.6	150.6
85°	81.5	70.9	122.3	127.6	140.0	143.6	154.2	152.4	140.0	81.5	83.3
87.5°	16.0	19.5	35.4	26.6	30.1	26.6	35.4	49.6	51.4	28.4	23.0
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)