

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: P528408

Luminaire Tested: **GALN-SA3C-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16215 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

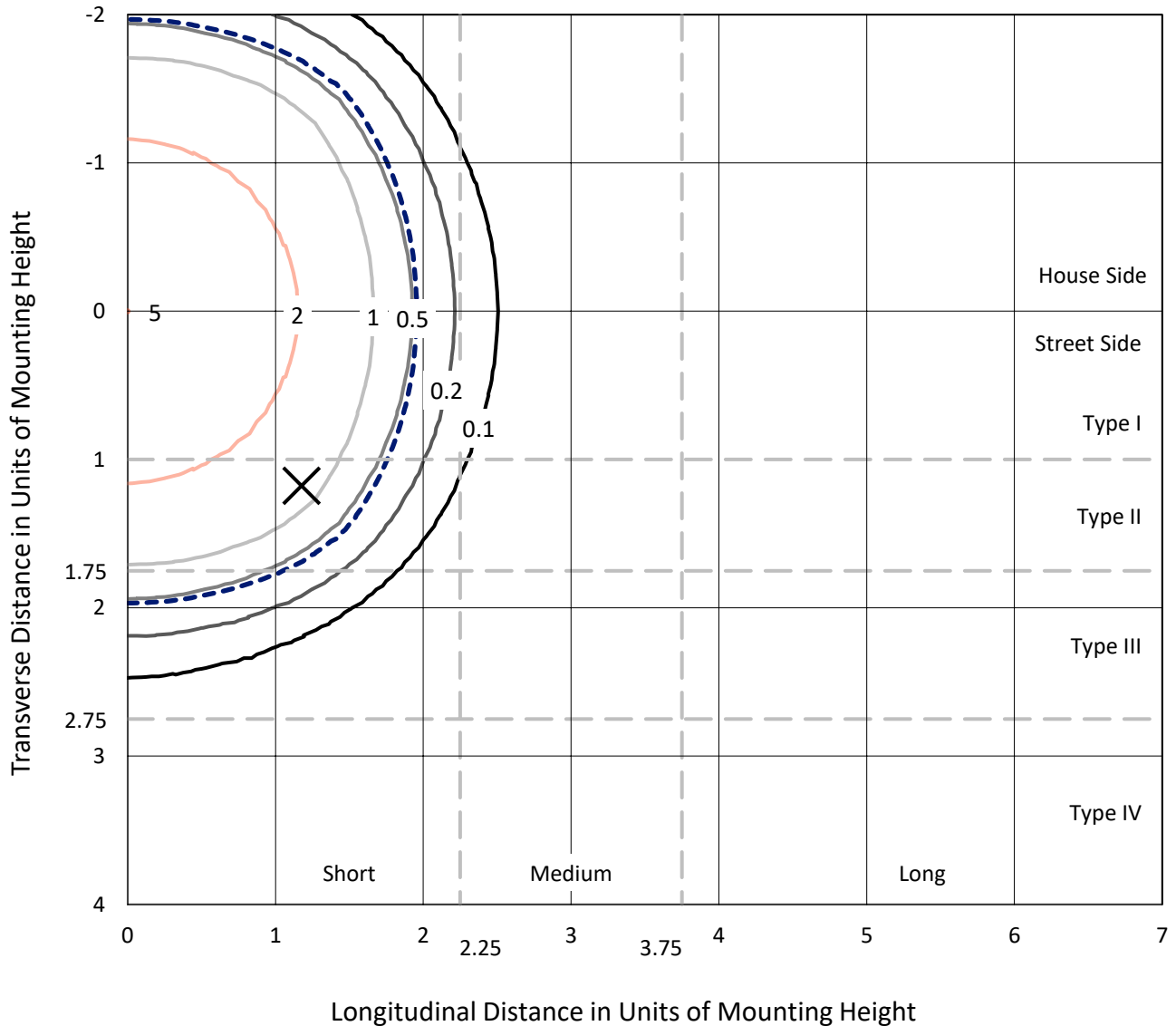
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

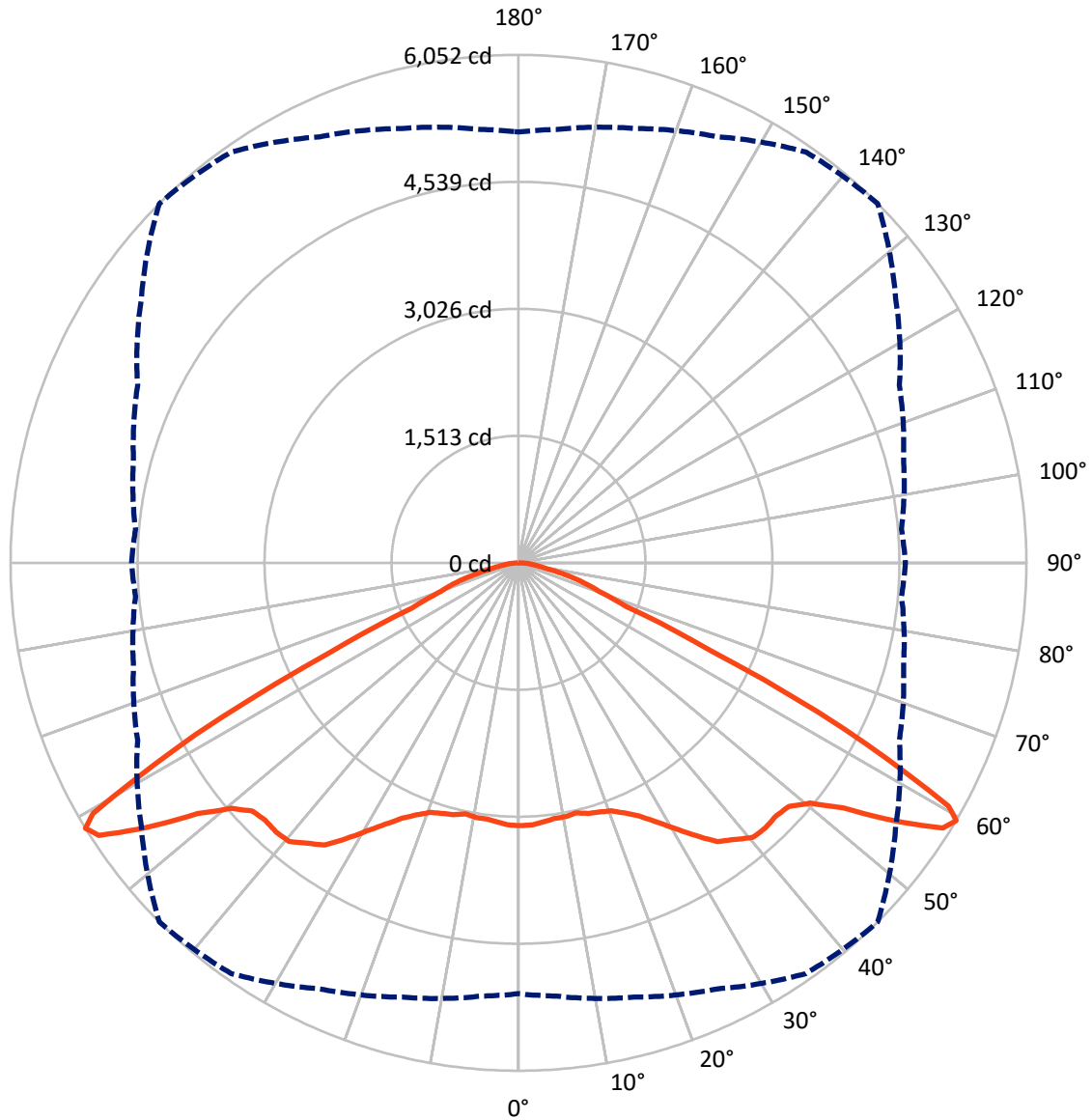
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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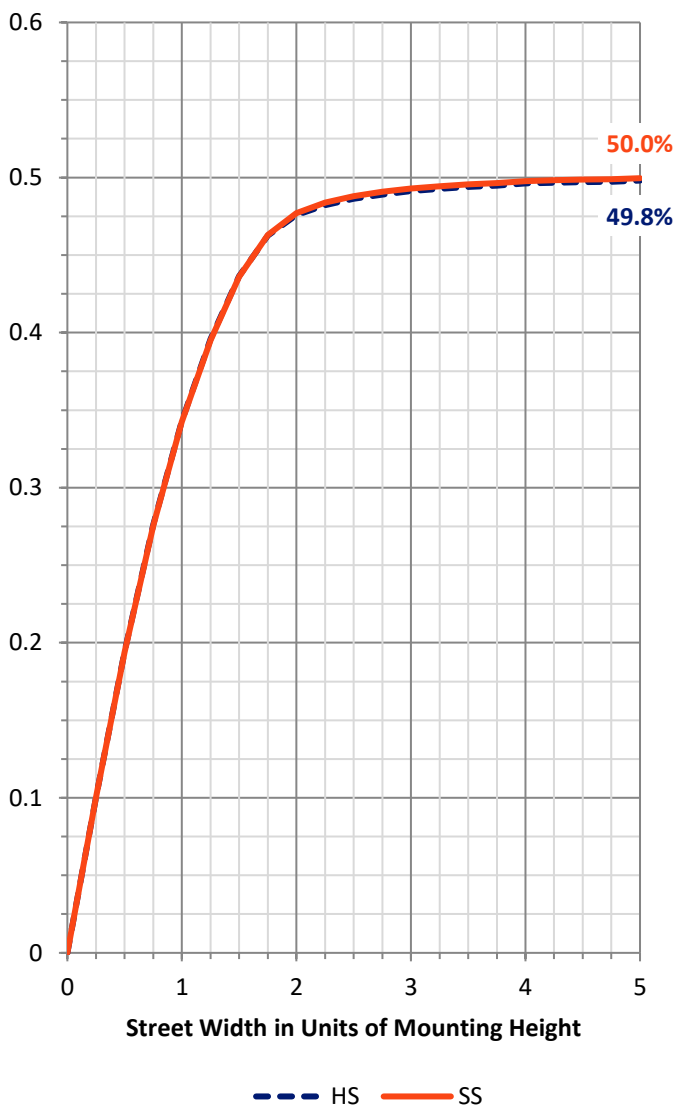
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8107.5	0.0	8107.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8107.5	0.0	8107.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16215.0	0.0	16215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.2	1.8
10°-20°	878.0	5.4
20°-30°	1533.1	9.5
30°-40°	2448.6	15.1
40°-50°	3335.4	20.6
50°-60°	4510.4	27.8
60°-70°	2473.5	15.3
70°-80°	632.8	3.9
80°-90°	107.9	0.7
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°	16215.0	100.0
0°-180°	16215.0	100.0

Coefficient of Utilization



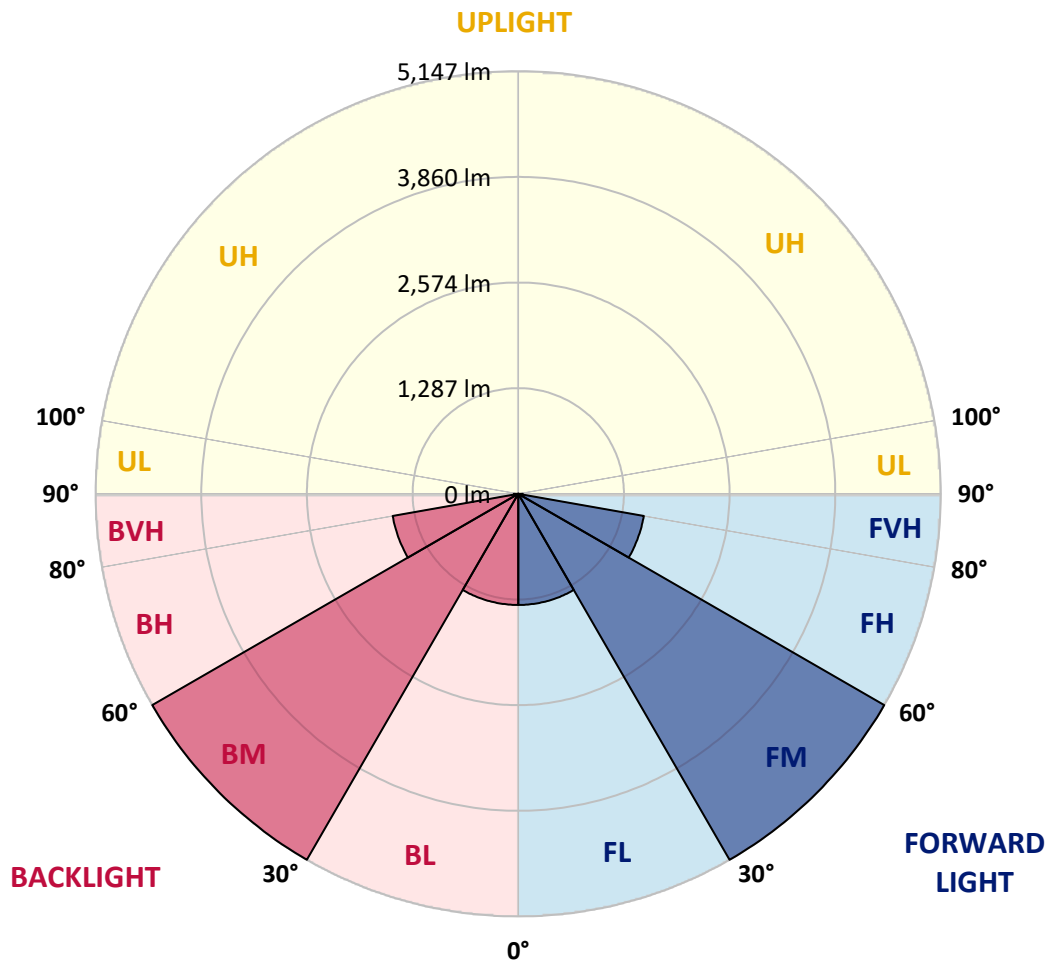
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1353.2	8.3			
FM (30°-60°)	5147.2	31.7			
FH (60°-80°)	1553.2	9.6			G1/1800
FVH (80°-90°)	54.0	0.3			G1/100
BL (0°-30°)	1353.2	8.3	B3/2500		
BM (30°-60°)	5147.2	31.7	B4/8500		
BH (60°-80°)	1553.2	9.6	B3/2500		G1/1800
BVH (80°-90°)	54.0	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°	3132.0	3132.0	3132.0	3132.0	3132.0	3132.0	3132.0	3132.0	3132.0	3132.0	3132.0
2.5°	3113.3	3136.1	3119.5	3134.0	3132.0	3125.7	3115.3	3109.1	3100.8	3113.3	3092.5
5°	3100.8	3119.5	3138.2	3113.3	3113.3	3100.8	3094.6	3082.1	3082.1	3080.0	3077.9
7.5°	3121.6	3102.9	3094.6	3098.7	3102.9	3075.8	3094.6	3069.6	3048.8	3063.4	3080.0
10°	3102.9	3111.2	3080.0	3094.6	3071.7	3075.8	3063.4	3080.0	3057.1	3057.1	3057.1
12.5°	3121.6	3098.7	3109.1	3098.7	3092.5	3057.1	3073.8	3055.1	3053.0	3073.8	3055.1
15°	3159.0	3121.6	3113.3	3092.5	3098.7	3098.7	3082.1	3084.2	3061.3	3073.8	3077.9
17.5°	3146.5	3125.7	3119.5	3094.6	3115.3	3121.6	3090.4	3069.6	3084.2	3082.1	3080.0
20°	3156.9	3165.2	3159.0	3163.1	3171.4	3154.8	3125.7	3096.6	3077.9	3104.9	3102.9
22.5°	3223.4	3215.1	3210.9	3206.8	3221.3	3238.0	3198.5	3152.7	3152.7	3171.4	3179.8
25°	3277.4	3275.4	3273.3	3292.0	3341.9	3341.9	3292.0	3233.8	3219.3	3231.7	3221.3
27.5°	3356.4	3379.3	3371.0	3404.2	3477.0	3493.6	3427.1	3358.5	3319.0	3304.5	3323.2
30°	3537.2	3510.2	3516.4	3551.8	3616.2	3670.2	3568.4	3495.7	3441.6	3439.5	3447.9
32.5°	3657.8	3678.5	3697.3	3730.5	3832.3	3873.9	3751.3	3632.8	3599.6	3580.9	3587.1
35°	3898.8	3880.1	3876.0	3909.2	4011.1	4079.7	3925.9	3822.0	3778.3	3819.9	3819.9
37.5°	4127.5	4075.5	4036.0	4079.7	4173.2	4181.5	4050.6	3994.4	3971.6	4019.4	4017.3
40°	4235.5	4231.4	4139.9	4164.9	4289.6	4302.0	4179.4	4112.9	4108.8	4171.1	4233.4
42.5°	4347.8	4308.3	4216.8	4233.4	4310.3	4314.5	4198.1	4179.4	4225.1	4285.4	4289.6
45°	4366.5	4333.2	4275.0	4233.4	4289.6	4302.0	4233.4	4245.9	4250.1	4322.8	4322.8
47.5°	4403.9	4399.7	4366.5	4335.3	4345.7	4335.3	4291.6	4310.3	4372.7	4408.0	4391.4
50°	4507.8	4464.1	4497.4	4470.4	4472.5	4501.5	4462.1	4480.8	4468.3	4437.1	4416.3
52.5°	4736.4	4715.6	4744.7	4763.4	4784.2	4850.7	4805.0	4705.2	4611.7	4528.6	4526.5
55°	5071.0	5085.5	5141.7	5237.3	5318.3	5424.3	5204.0	4965.0	4815.4	4684.4	4692.7
57.5°	5386.9	5376.5	5453.4	5671.6	5908.5	5962.6	5530.3	5189.5	4946.3	4863.2	4827.8
59°	5133.3	5183.2	5357.8	5601.0	5973.0	6051.9	5486.6	5006.6	4748.9	4580.5	4609.6
60°	4734.3	4753.0	4908.9	5247.6	5750.6	5885.7	5193.6	4723.9	4381.0	4283.3	4327.0
62.5°	3346.0	3331.5	3443.7	3720.1	4171.1	4354.0	3861.4	3531.0	3314.9	3206.8	3231.7
65°	1779.0	1845.5	1891.2	2063.7	2302.7	2496.0	2292.3	2148.9	2028.4	1939.0	1937.0
67.5°	1201.2	1192.9	1203.3	1242.8	1323.9	1377.9	1373.7	1301.0	1290.6	1274.0	1292.7
70°	1012.1	1008.0	989.3	989.3	1005.9	1018.4	1032.9	1041.2	1057.8	1078.6	1076.5
72.5°	820.9	810.5	798.1	791.8	812.6	818.8	837.5	845.9	860.4	858.3	877.0
75°	542.4	542.4	557.0	573.6	579.8	592.3	594.4	619.3	619.3	623.5	606.9
77.5°	303.4	295.1	305.5	322.1	336.7	359.5	382.4	401.1	411.5	407.3	407.3
80°	176.7	176.7	187.0	205.7	224.5	245.2	261.9	276.4	286.8	282.6	274.3
82.5°	110.1	110.1	120.5	139.2	153.8	166.3	189.1	207.8	220.3	216.1	205.7
85°	56.1	56.1	68.6	81.1	99.8	108.1	106.0	97.7	95.6	85.2	85.2
87.5°	14.5	14.5	20.8	22.9	18.7	20.8	20.8	20.8	20.8	20.8	22.9
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)