

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: P455325

Luminaire Tested: **GALN-SA6C-730-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39737 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

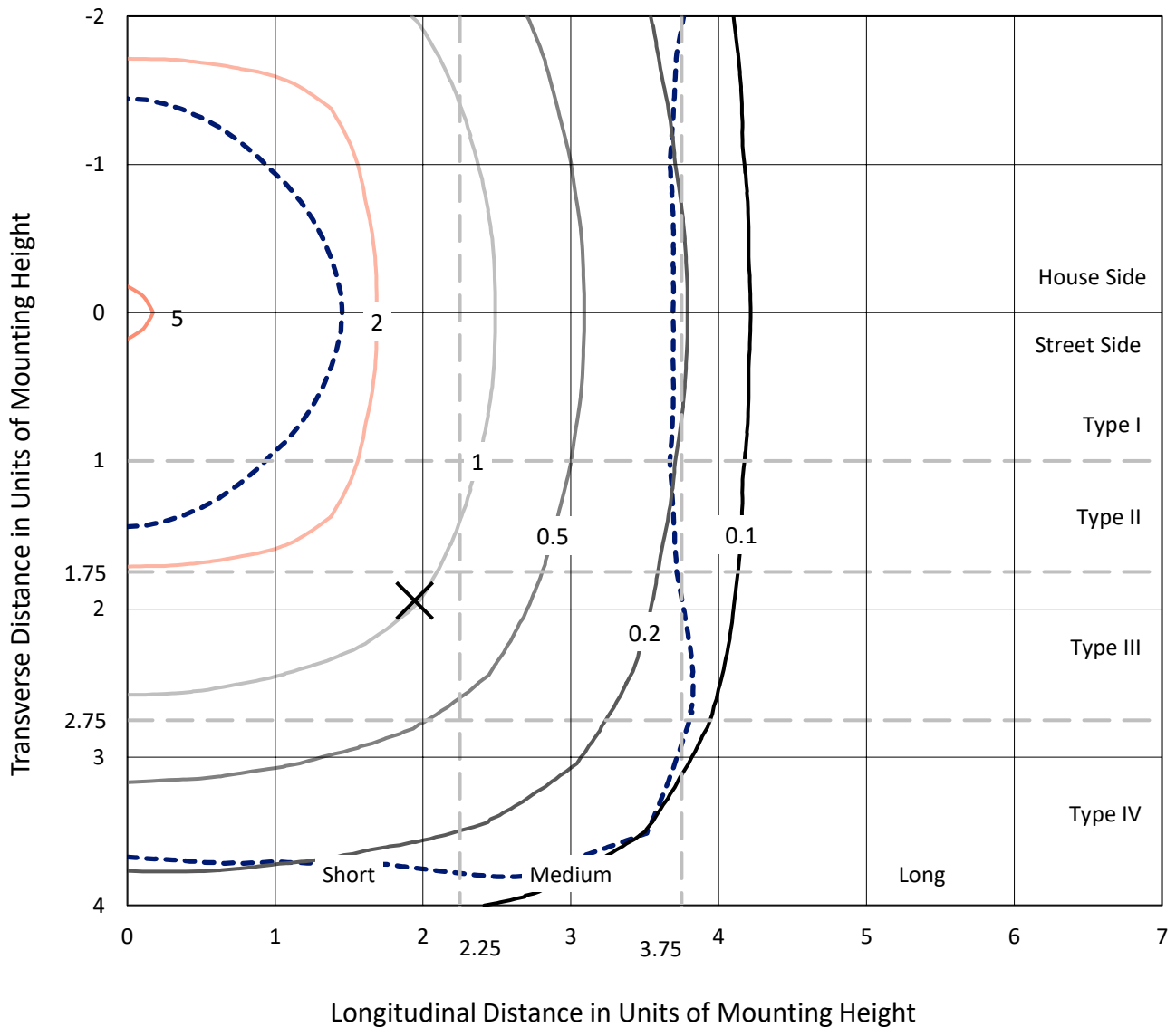
Input Watts (W): 321
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

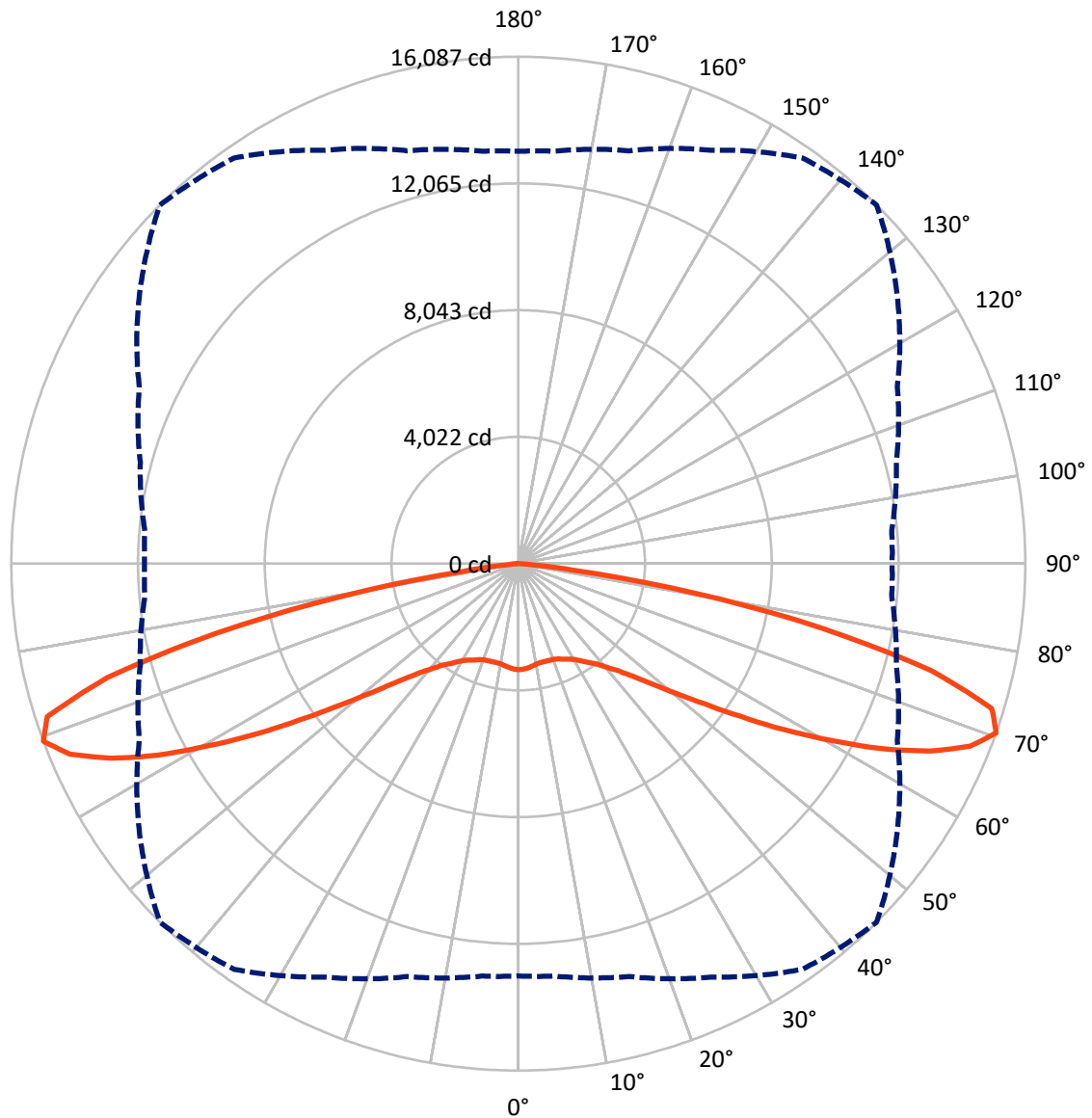
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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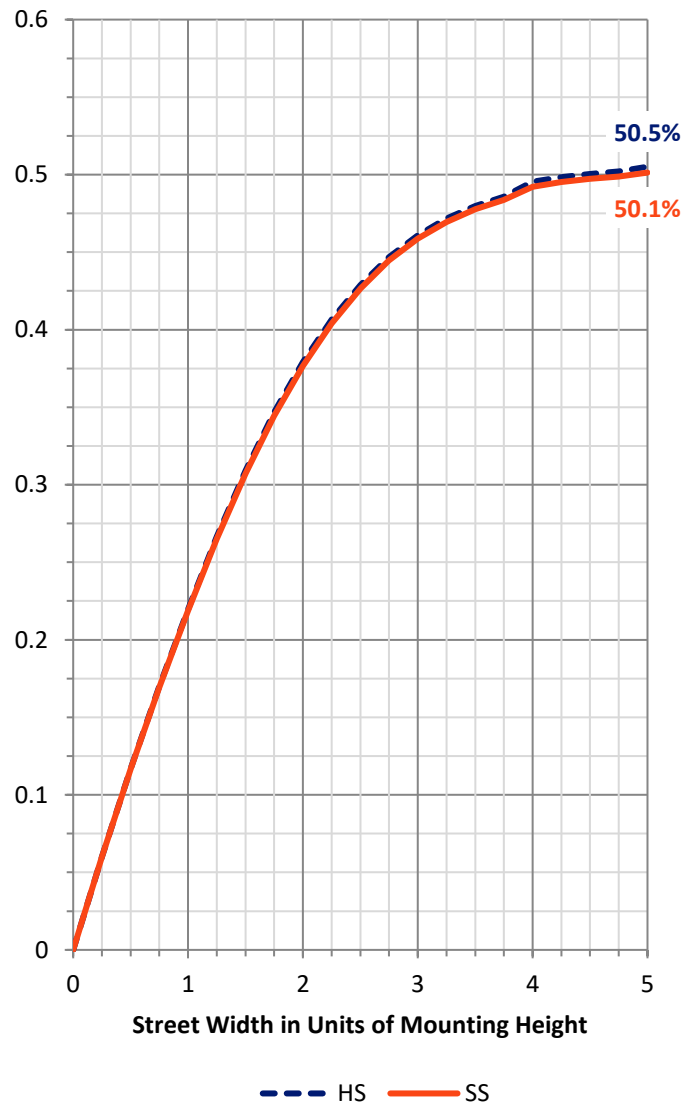
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19868.5	0.0	19868.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19868.5	0.0	19868.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39737.0	0.0	39737.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.6	0.8
10°-20°	921.1	2.3
20°-30°	1569.3	3.9
30°-40°	2432.4	6.1
40°-50°	4094.0	10.3
50°-60°	7448.9	18.7
60°-70°	12610.7	31.7
70°-80°	9761.2	24.6
80°-90°	584.9	1.5
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°	39737.0	100.0
0°-180°	39737.0	100.0



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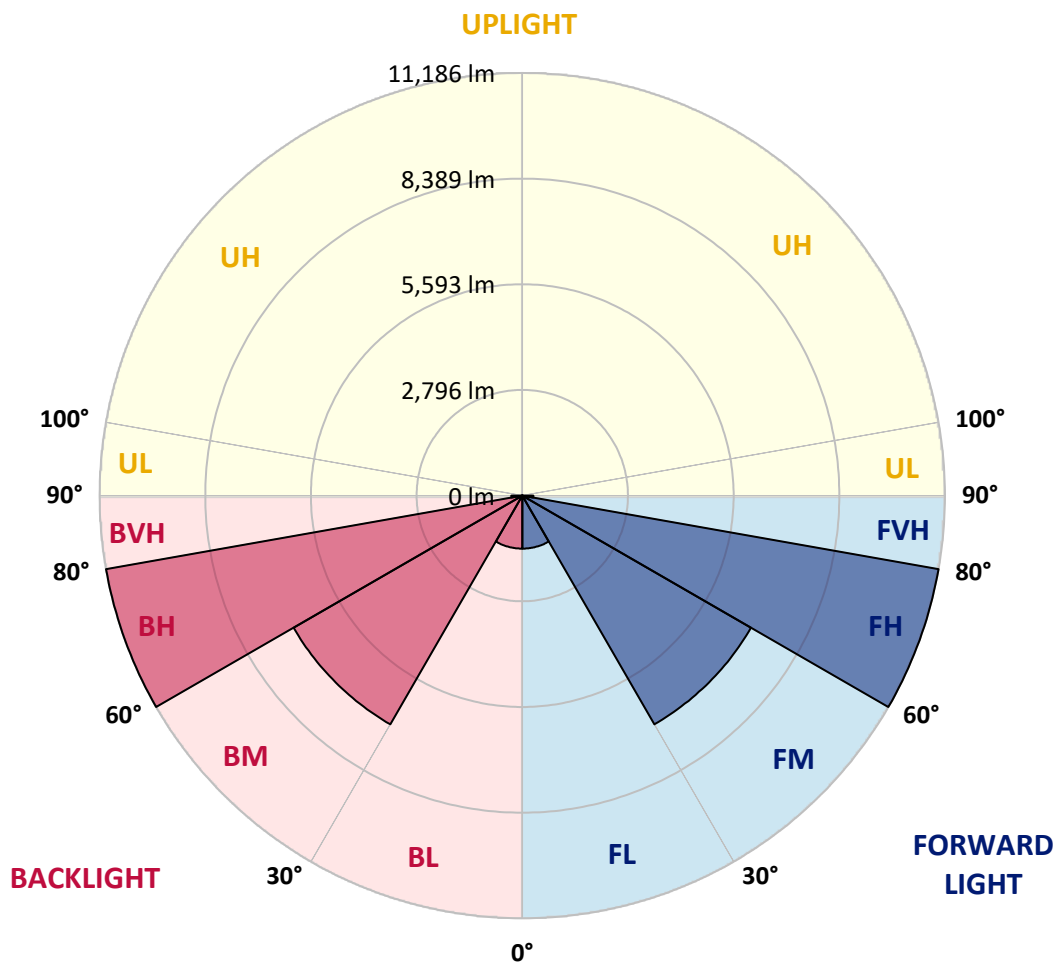
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1402.5	3.5			
FM (30°-60°)	6987.6	17.6			
FH (60°-80°)	11186.0	28.1			G4/12000
FVH (80°-90°)	292.5	0.7			G3/500
BL (0°-30°)	1402.5	3.5	B3/2500		
BM (30°-60°)	6987.6	17.6	B4/8500		
BH (60°-80°)	11186.0	28.1	B5		G4/12000
BVH (80°-90°)	292.5	0.7			G3/500
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°	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2	3364.2
2.5°	3355.8	3357.9	3357.9	3353.7	3351.6	3351.6	3349.5	3349.5	3355.8	3357.9	3360.0
5°	3326.4	3326.4	3326.4	3324.3	3320.2	3320.2	3316.0	3316.0	3318.1	3324.3	3320.2
7.5°	3286.6	3290.8	3290.8	3282.4	3276.1	3276.1	3274.0	3276.1	3278.2	3284.5	3282.4
10°	3274.0	3276.1	3265.6	3250.9	3240.4	3234.1	3236.2	3240.4	3250.9	3255.1	3257.2
12.5°	3282.4	3282.4	3263.5	3242.5	3223.6	3215.2	3213.1	3227.8	3246.7	3259.3	3263.5
15°	3292.9	3288.7	3265.6	3238.3	3219.4	3217.3	3215.2	3225.7	3253.0	3278.2	3280.3
17.5°	3299.2	3297.1	3267.7	3234.1	3223.6	3223.6	3221.5	3229.9	3259.3	3290.8	3292.9
20°	3320.2	3313.9	3280.3	3244.6	3236.2	3240.4	3234.1	3244.6	3276.1	3313.9	3322.2
22.5°	3362.1	3355.8	3322.2	3286.6	3282.4	3282.4	3280.3	3290.8	3324.3	3364.2	3370.5
25°	3412.5	3406.2	3374.7	3349.5	3353.7	3362.1	3357.9	3360.0	3387.3	3420.9	3431.4
27.5°	3479.7	3469.2	3441.9	3420.9	3433.5	3433.5	3433.5	3431.4	3448.2	3479.7	3490.1
30°	3561.5	3557.3	3527.9	3525.8	3536.3	3525.8	3525.8	3527.9	3530.0	3559.4	3569.9
32.5°	3668.5	3660.1	3645.5	3641.3	3670.6	3679.0	3649.6	3622.4	3637.1	3666.4	3672.7
35°	3844.8	3832.2	3811.2	3788.2	3811.2	3851.1	3788.2	3767.2	3805.0	3844.8	3849.0
37.5°	4084.1	4077.8	4044.2	4002.2	4000.1	4042.1	3977.0	3974.9	4046.3	4094.6	4100.9
40°	4384.2	4390.5	4348.5	4308.6	4287.7	4321.2	4270.9	4289.8	4359.0	4413.6	4409.4
42.5°	4806.0	4782.9	4717.9	4680.1	4657.0	4644.4	4631.8	4661.2	4738.9	4797.6	4843.8
45°	5299.2	5290.8	5209.0	5162.8	5112.4	5093.6	5089.4	5141.8	5236.3	5307.6	5313.9
47.5°	5857.5	5838.6	5786.1	5737.9	5719.0	5695.9	5674.9	5714.8	5809.2	5859.6	5874.3
50°	6432.5	6436.7	6436.7	6428.3	6447.2	6451.4	6394.8	6409.4	6461.9	6457.7	6453.5
52.5°	7089.4	7112.5	7221.6	7232.1	7322.4	7383.2	7280.4	7219.5	7200.7	7087.3	7095.7
55°	7861.7	7882.7	8046.4	8210.1	8453.6	8556.4	8340.3	8151.4	8017.1	7845.0	7853.4
57.5°	8825.1	8835.5	8990.9	9305.7	9691.8	9933.2	9553.3	9179.7	8906.9	8743.2	8678.1
60°	9861.8	9872.3	10099.0	10483.0	11083.3	11377.1	10907.0	10296.2	9952.1	9702.3	9719.1
62.5°	11106.3	11148.3	11351.9	11880.8	12609.0	12938.5	12315.2	11498.8	11032.9	10722.3	10734.9
65°	12439.0	12510.4	12732.8	13314.2	13985.8	14340.4	13576.5	12634.2	12055.0	11675.1	11715.0
67.5°	13303.7	13366.7	13687.8	14330.0	15167.3	15461.2	14474.8	13377.1	12653.1	12199.8	12115.8
70°	13083.3	13135.8	13563.9	14474.8	15715.1	16086.6	14688.8	13268.0	12415.9	11893.4	11859.8
72.5°	11549.2	11440.0	12065.5	13372.9	15089.7	15713.0	14015.2	12117.9	11045.5	10508.2	10445.3
75°	7654.0	7891.1	8814.6	10355.0	12766.4	13538.7	11962.6	9729.6	8380.1	7933.1	7863.8
77.5°	2558.3	2740.9	3561.5	5870.1	8703.3	9863.9	8715.9	6363.3	4501.7	3626.6	3643.4
80°	677.9	669.5	866.8	1613.9	3760.9	5712.7	4377.9	2155.4	1179.5	854.2	810.1
82.5°	243.4	272.8	350.5	447.0	996.9	1775.5	1252.9	604.4	442.8	327.4	316.9
85°	107.0	104.9	151.1	178.4	249.7	331.6	293.8	256.0	224.6	149.0	138.5
87.5°	23.1	23.1	35.7	27.3	44.1	44.1	54.6	65.1	67.2	44.1	35.7
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)