

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: P455062

Luminaire Tested: **GALN-SA6B-727-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455062
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-SA6B-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29597 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

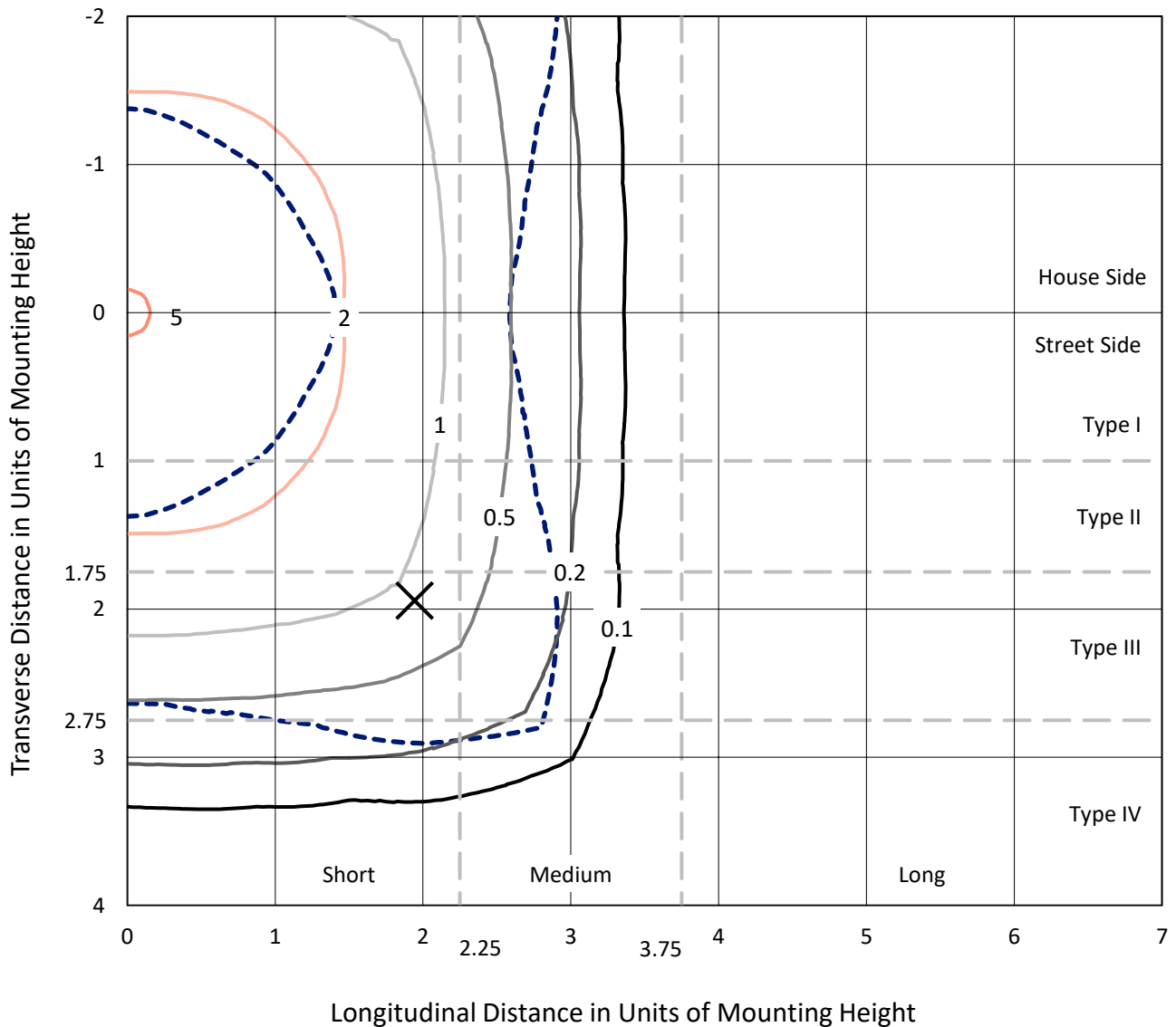
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

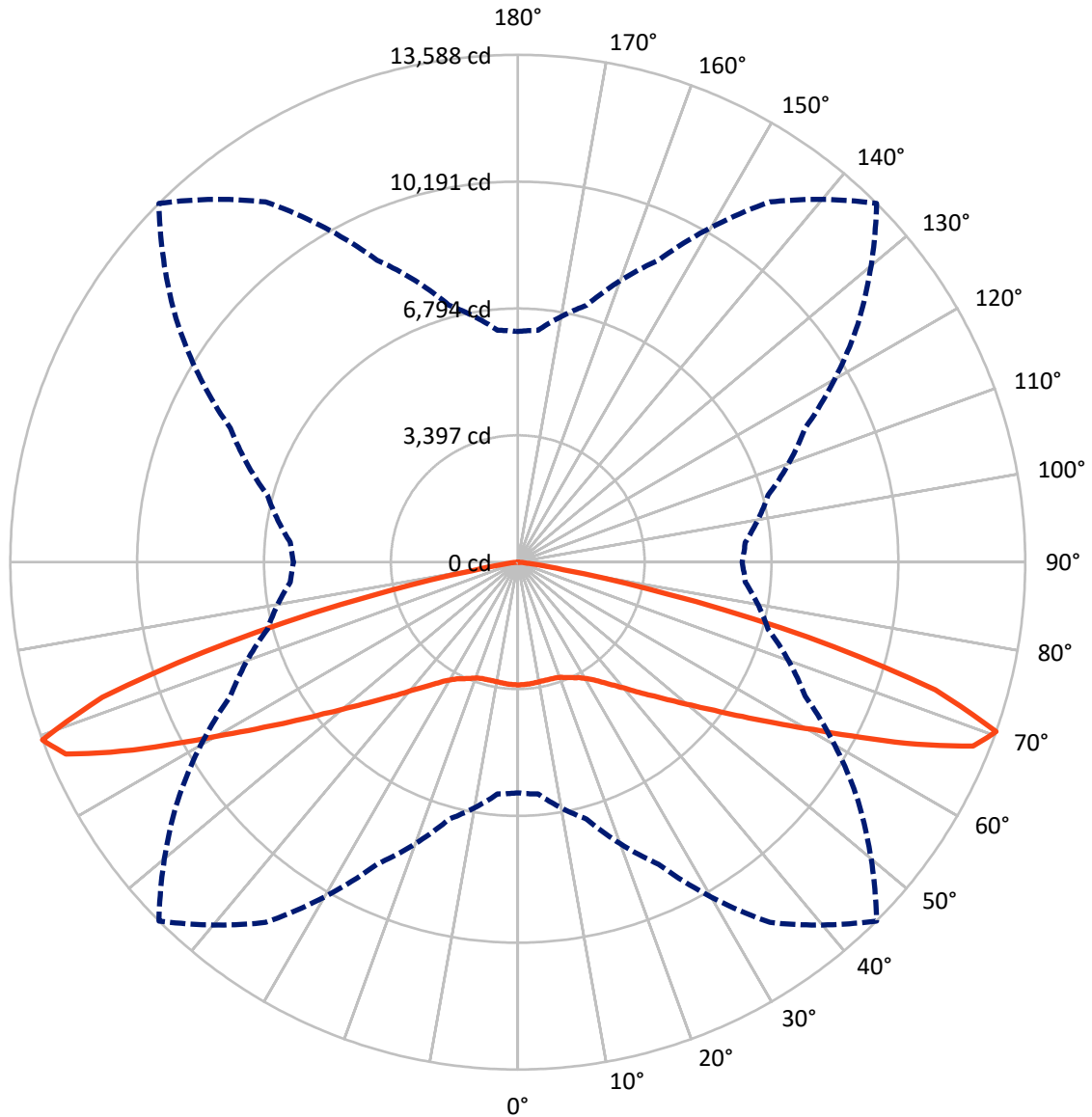
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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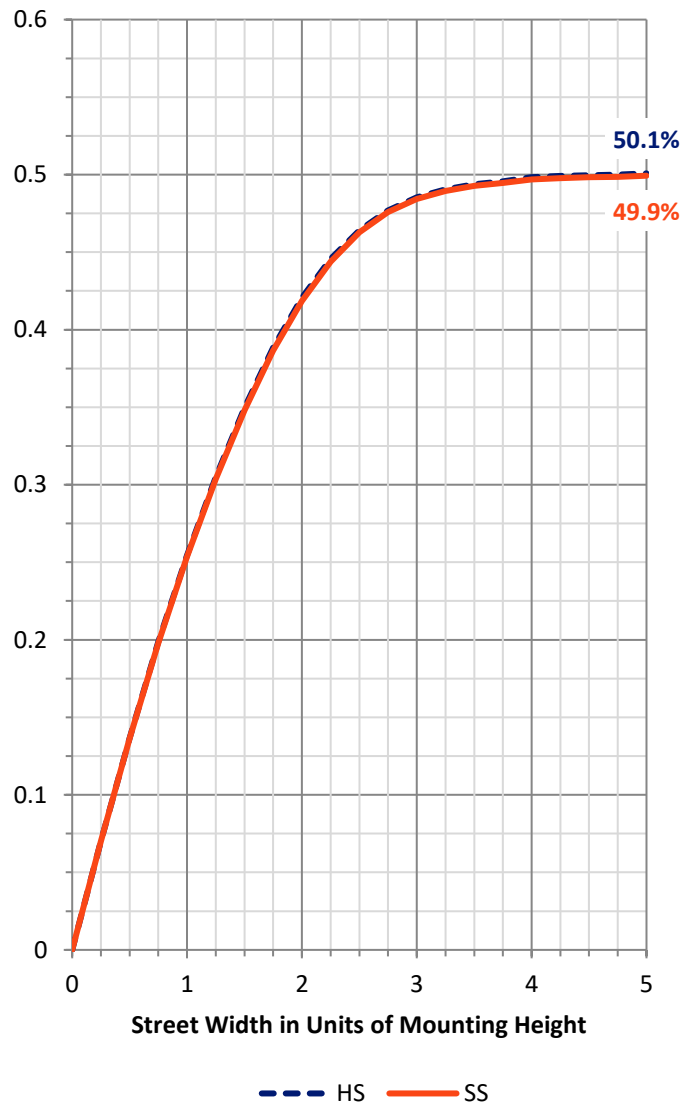
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14798.5	0.0	14798.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14798.5	0.0	14798.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29597.0	0.0	29597.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.7	1.1
10°-20°	914.6	3.1
20°-30°	1564.2	5.3
30°-40°	2482.7	8.4
40°-50°	4005.2	13.5
50°-60°	6516.6	22.0
60°-70°	9446.7	31.9
70°-80°	4190.2	14.2
80°-90°	165.3	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°	29597.0	100.0
0°-180°	29597.0	100.0



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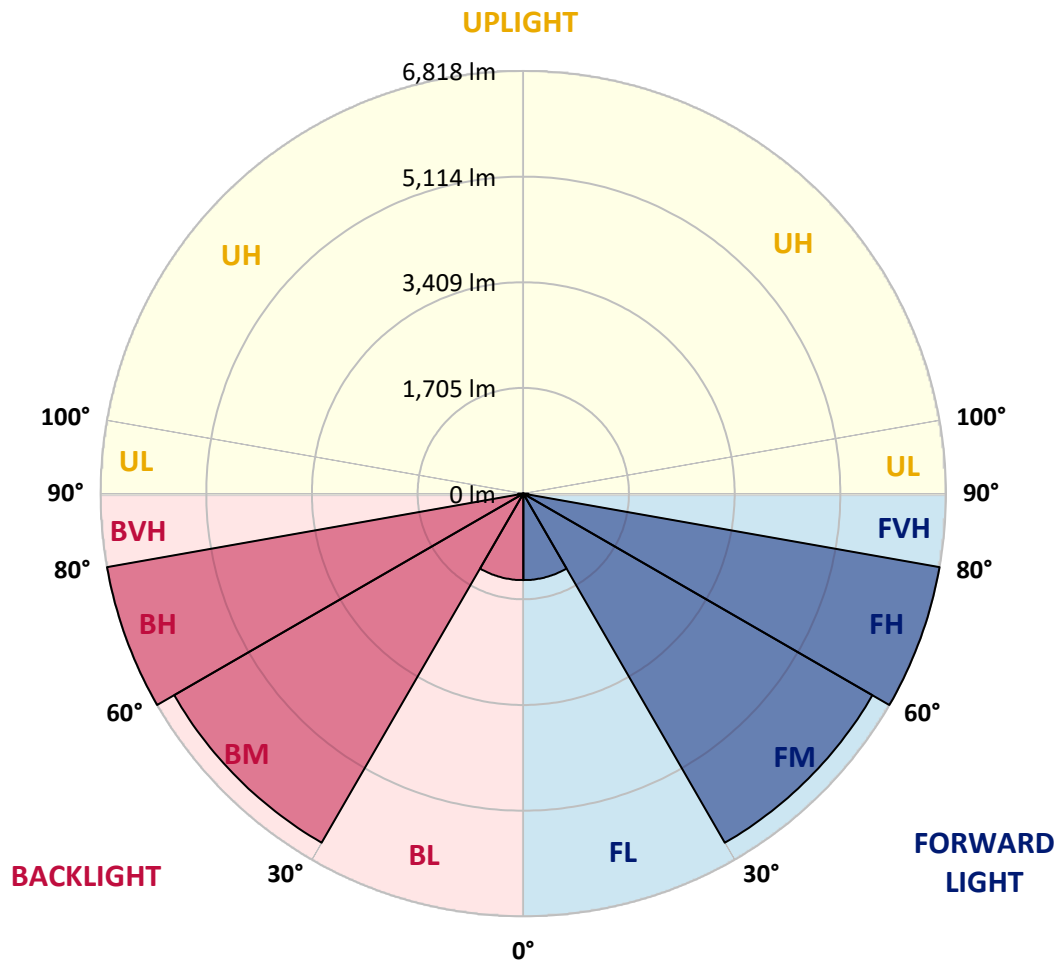
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1395.2	4.7			
FM (30°-60°)	6502.2	22.0			
FH (60°-80°)	6818.4	23.0			G3/7500
FVH (80°-90°)	82.6	0.3			G1/100
BL (0°-30°)	1395.2	4.7	B3/2500		
BM (30°-60°)	6502.2	22.0	B4/8500		
BH (60°-80°)	6818.4	23.0	B5		G3/7500
BVH (80°-90°)	82.6	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3286.6	3286.6	3286.6	3286.6	3286.6	3286.6	3286.6	3286.6	3286.6	3286.6	3286.6
2.5°	3286.6	3289.7	3285.0	3281.9	3280.4	3280.4	3278.8	3280.4	3289.7	3291.3	3286.6
5°	3277.2	3280.4	3278.8	3275.7	3274.1	3274.1	3272.6	3271.0	3278.8	3281.9	3280.4
7.5°	3264.8	3266.3	3264.8	3263.2	3264.8	3263.2	3258.5	3255.4	3261.6	3261.6	3260.1
10°	3242.9	3246.1	3244.5	3246.1	3249.2	3249.2	3242.9	3236.7	3238.3	3235.1	3235.1
12.5°	3216.4	3221.1	3222.7	3228.9	3236.7	3246.1	3232.0	3218.0	3214.9	3213.3	3211.7
15°	3199.3	3203.9	3210.2	3216.4	3230.5	3250.7	3230.5	3208.6	3202.4	3196.1	3193.0
17.5°	3194.6	3200.8	3210.2	3219.5	3238.3	3258.5	3241.4	3219.5	3203.9	3194.6	3191.5
20°	3207.1	3211.7	3225.8	3242.9	3269.4	3289.7	3272.6	3249.2	3225.8	3211.7	3207.1
22.5°	3232.0	3239.8	3257.0	3288.2	3325.6	3355.2	3331.8	3292.8	3255.4	3236.7	3230.5
25°	3286.6	3292.8	3313.1	3355.2	3398.9	3427.0	3402.0	3356.8	3305.3	3280.4	3272.6
27.5°	3369.3	3378.6	3400.5	3450.4	3486.3	3501.9	3484.7	3453.5	3416.1	3389.6	3383.3
30°	3486.3	3497.2	3529.9	3583.0	3606.4	3615.7	3607.9	3587.7	3561.1	3533.1	3526.8
32.5°	3643.8	3650.1	3687.5	3737.4	3759.2	3762.4	3753.0	3743.6	3700.0	3653.2	3650.1
35°	3820.1	3831.0	3876.2	3935.5	3955.8	3957.3	3938.6	3924.6	3873.1	3835.7	3835.7
37.5°	4054.1	4058.7	4102.4	4169.5	4191.3	4185.1	4175.7	4163.2	4108.6	4060.3	4061.9
40°	4328.6	4337.9	4375.4	4453.4	4453.4	4445.6	4451.8	4442.5	4387.9	4341.1	4342.6
42.5°	4654.6	4659.3	4704.5	4787.2	4780.9	4765.3	4771.6	4759.1	4724.8	4671.8	4653.0
45°	5002.4	5021.2	5099.2	5178.7	5166.2	5116.3	5141.3	5138.2	5107.0	5027.4	5032.1
47.5°	5422.0	5453.2	5528.1	5623.3	5609.2	5531.2	5559.3	5578.0	5534.4	5447.0	5431.4
50°	5894.7	5915.0	6025.7	6114.6	6102.1	6019.5	6083.4	6086.5	5977.4	5854.1	5854.1
52.5°	6398.5	6418.8	6568.5	6707.4	6715.2	6595.1	6646.5	6643.4	6465.6	6303.4	6272.2
55°	6963.2	6972.5	7166.0	7370.3	7414.0	7297.0	7303.2	7240.8	7010.0	6821.2	6804.1
57.5°	7546.6	7580.9	7794.6	8059.8	8189.2	8117.5	8084.7	7917.8	7694.7	7477.9	7467.0
60°	8192.3	8193.9	8471.6	8785.1	9047.1	9095.5	8961.3	8738.3	8449.7	8162.7	8150.2
62.5°	8640.0	8707.1	9058.1	9588.4	10057.9	10329.3	9975.3	9507.3	8939.5	8476.2	8429.4
65°	8732.0	8777.3	9312.3	10210.8	11170.1	11755.0	10936.1	9940.9	8972.3	8354.6	8323.4
67.5°	7988.0	8036.4	8757.0	10135.9	11950.0	13149.5	11560.1	9731.9	8417.0	7652.6	7591.8
70°	6178.6	6233.2	7123.8	8922.4	11776.9	13587.9	11115.5	8488.7	6941.3	6116.2	6005.4
72.5°	3285.0	3486.3	4247.5	6124.0	9558.8	11698.9	9114.2	6194.2	4476.8	3659.4	3512.8
75°	1199.5	1224.5	1648.8	2715.7	5560.9	8022.3	5774.6	2954.4	1698.7	1311.8	1244.8
77.5°	496.0	494.5	542.8	820.5	2020.0	4108.6	2254.0	867.3	541.3	500.7	494.5
80°	293.3	293.3	322.9	341.6	531.9	1240.1	594.3	386.8	324.4	296.4	301.1
82.5°	131.0	138.8	204.3	215.3	257.4	340.0	287.0	246.5	212.1	146.6	132.6
85°	71.8	62.4	107.6	112.3	123.2	126.3	135.7	134.1	123.2	71.8	73.3
87.5°	14.0	17.2	31.2	23.4	26.5	23.4	31.2	43.7	45.2	25.0	20.3
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)