

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: P455091

Luminaire Tested: **GALN-SA6B-730-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455091
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-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 32230 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

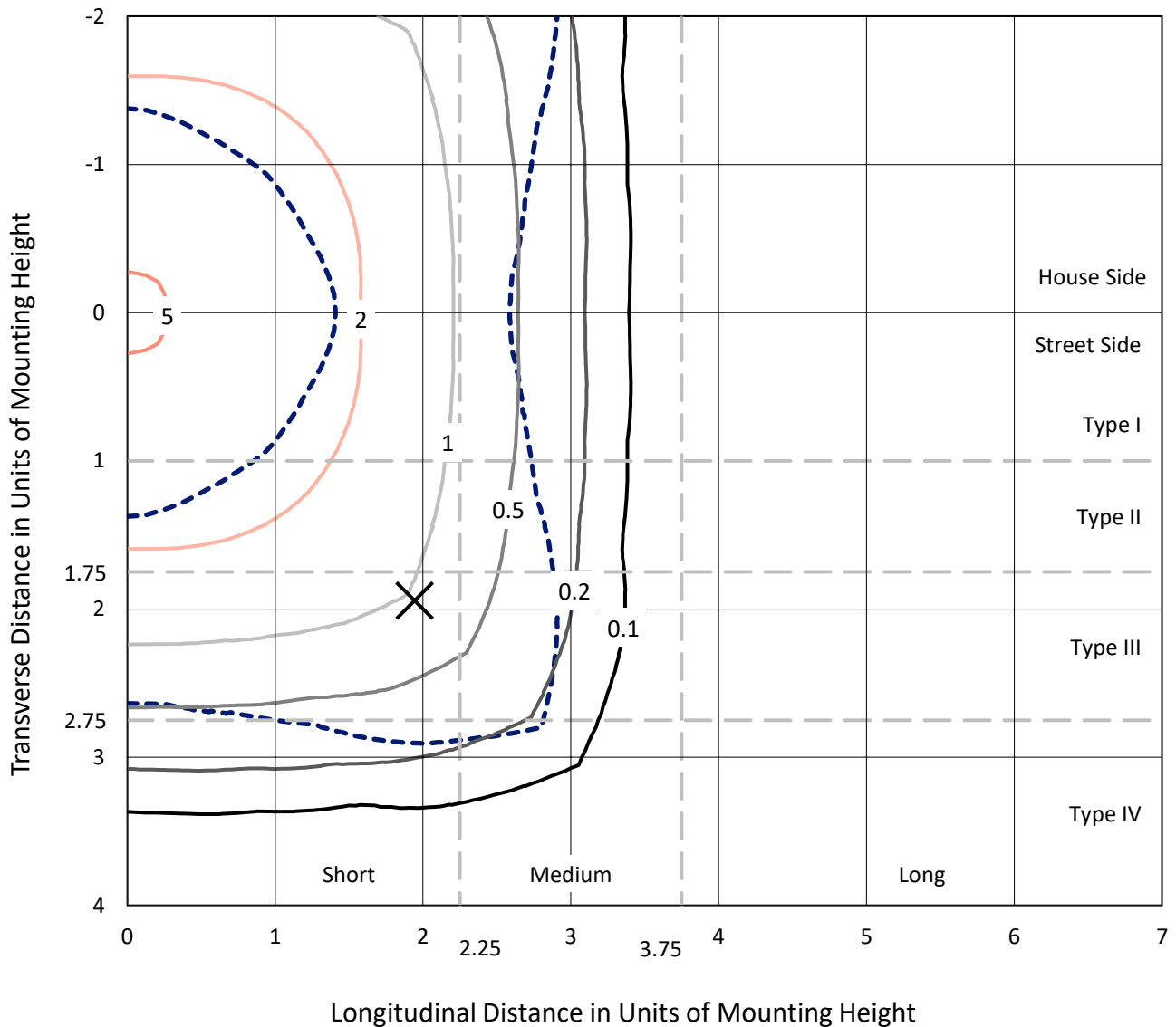
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

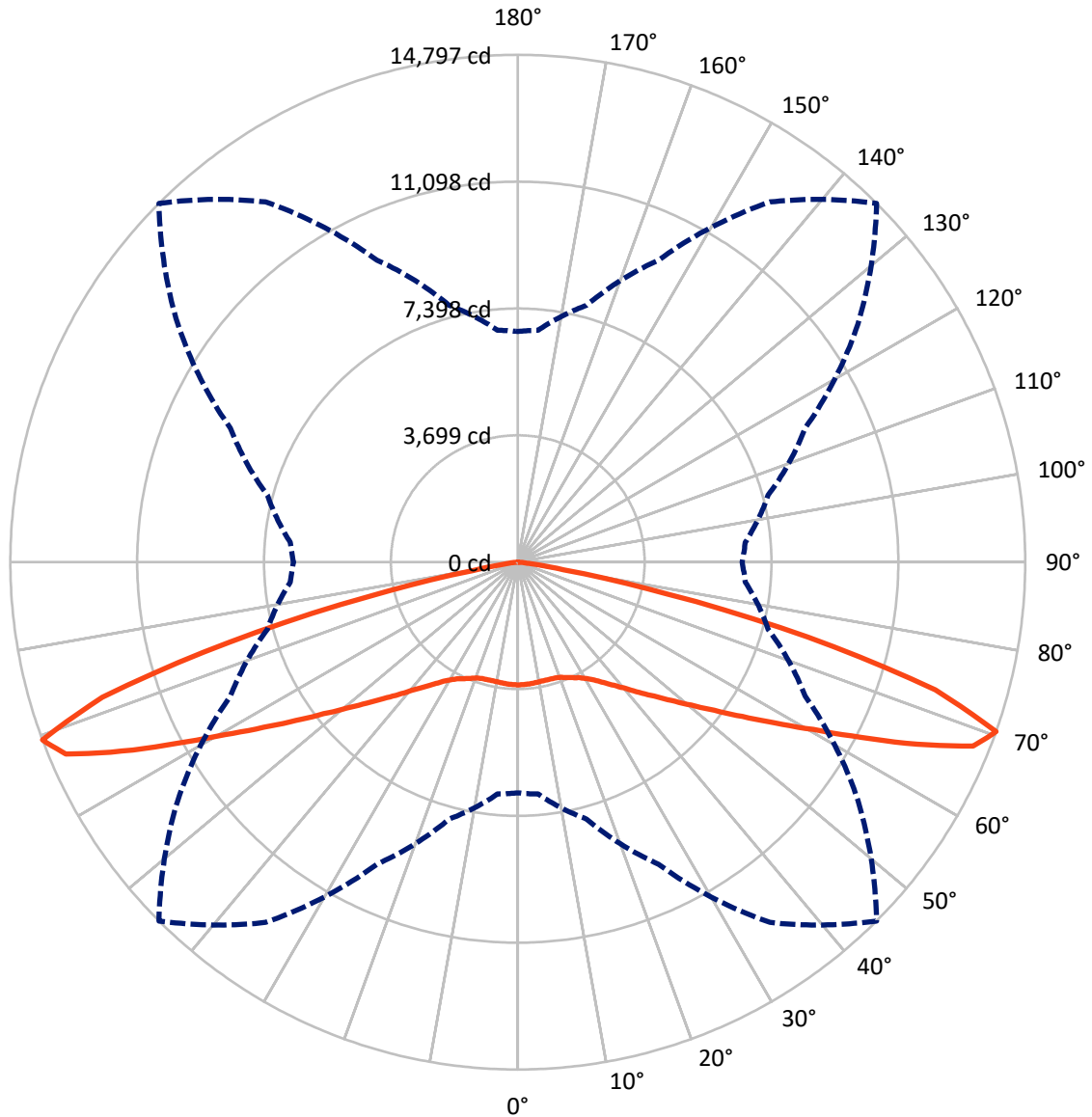
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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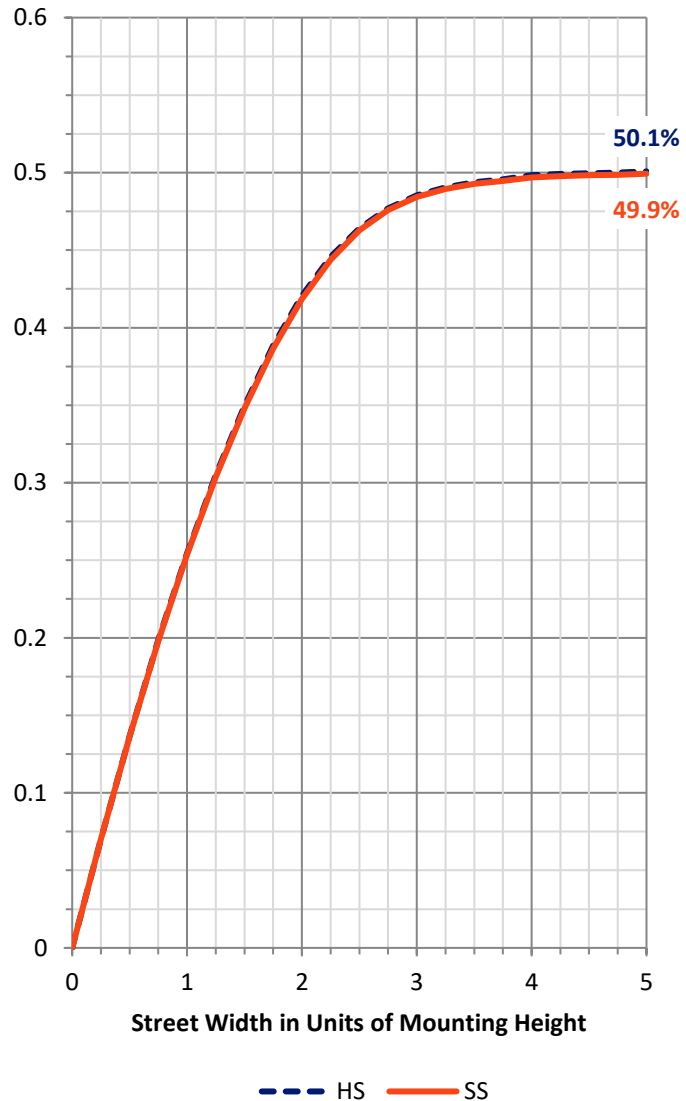
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16115.0	0.0	16115.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16115.0	0.0	16115.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32230.0	0.0	32230.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.4	1.1
10°-20°	995.9	3.1
20°-30°	1703.3	5.3
30°-40°	2703.5	8.4
40°-50°	4361.5	13.5
50°-60°	7096.3	22.0
60°-70°	10287.1	31.9
70°-80°	4563.0	14.2
80°-90°	180.0	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°	32230.0	100.0
0°-180°	32230.0	100.0

Coefficient of Utilization



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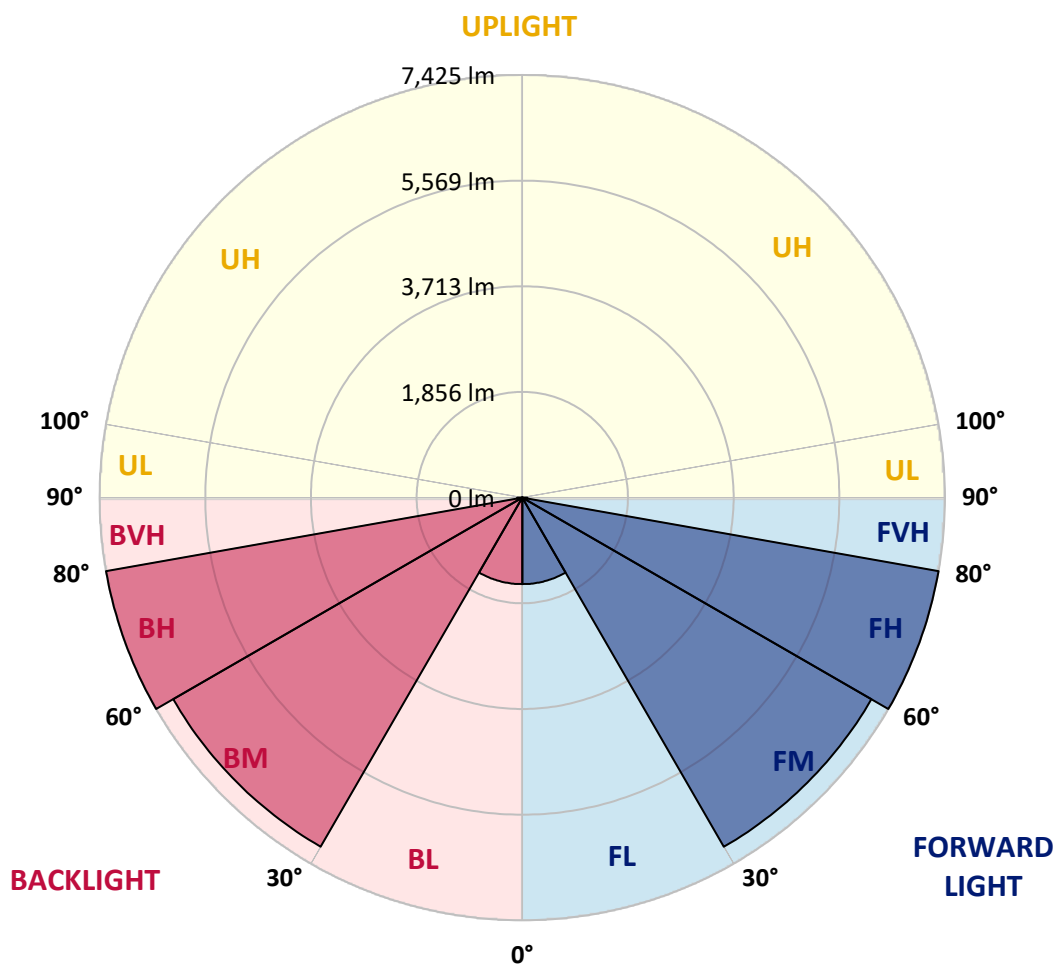
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1519.3	4.7			
FM (30°-60°)	7080.7	22.0			
FH (60°-80°)	7425.0	23.0			G3/7500
FVH (80°-90°)	90.0	0.3			G1/100
BL (0°-30°)	1519.3	4.7	B3/2500		
BM (30°-60°)	7080.7	22.0	B4/8500		
BH (60°-80°)	7425.0	23.0	B5		G3/7500
BVH (80°-90°)	90.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	3579.0	3579.0	3579.0	3579.0	3579.0	3579.0	3579.0	3579.0	3579.0	3579.0	3579.0
2.5°	3579.0	3582.4	3577.3	3573.9	3572.2	3572.2	3570.5	3572.2	3582.4	3584.1	3579.0
5°	3568.8	3572.2	3570.5	3567.1	3565.4	3565.4	3563.7	3562.0	3570.5	3573.9	3572.2
7.5°	3555.2	3556.9	3555.2	3553.5	3555.2	3553.5	3548.4	3545.0	3551.8	3551.8	3550.1
10°	3531.4	3534.8	3533.1	3534.8	3538.2	3538.2	3531.4	3524.6	3526.3	3522.9	3522.9
12.5°	3502.6	3507.6	3509.3	3516.1	3524.6	3534.8	3519.5	3504.3	3500.9	3499.2	3497.5
15°	3483.9	3489.0	3495.8	3502.6	3517.8	3539.9	3517.8	3494.1	3487.3	3480.5	3477.1
17.5°	3478.8	3485.6	3495.8	3505.9	3526.3	3548.4	3529.7	3505.9	3489.0	3478.8	3475.4
20°	3492.4	3497.5	3512.7	3531.4	3560.3	3582.4	3563.7	3538.2	3512.7	3497.5	3492.4
22.5°	3519.5	3528.0	3546.7	3580.7	3621.5	3653.7	3628.2	3585.8	3545.0	3524.6	3517.8
25°	3579.0	3585.8	3607.9	3653.7	3701.3	3731.9	3704.7	3655.4	3599.4	3572.2	3563.7
27.5°	3669.0	3679.2	3703.0	3757.3	3796.4	3813.4	3794.7	3760.7	3720.0	3691.1	3684.3
30°	3796.4	3808.3	3844.0	3901.7	3927.2	3937.4	3928.9	3906.8	3877.9	3847.4	3840.6
32.5°	3968.0	3974.8	4015.5	4069.9	4093.7	4097.1	4086.9	4076.7	4029.1	3978.2	3974.8
35°	4159.9	4171.8	4221.1	4285.6	4307.7	4309.4	4289.0	4273.7	4217.7	4176.9	4176.9
37.5°	4414.7	4419.8	4467.4	4540.4	4564.2	4557.4	4547.2	4533.6	4474.2	4421.5	4423.2
40°	4713.7	4723.9	4764.6	4849.6	4849.6	4841.1	4847.9	4837.7	4778.2	4727.3	4729.0
42.5°	5068.7	5073.8	5123.0	5213.1	5206.3	5189.3	5196.1	5182.5	5145.1	5087.4	5067.0
45°	5447.5	5467.9	5552.8	5639.4	5625.8	5571.5	5598.6	5595.3	5561.3	5474.6	5479.7
47.5°	5904.4	5938.4	6019.9	6123.5	6108.2	6023.3	6053.9	6074.3	6026.7	5931.6	5914.6
50°	6419.1	6441.2	6561.8	6658.6	6645.0	6555.0	6624.6	6628.0	6509.1	6374.9	6374.9
52.5°	6967.7	6989.8	7152.9	7304.1	7312.6	7181.8	7237.8	7234.4	7040.8	6864.1	6830.1
55°	7582.6	7592.8	7803.5	8026.0	8073.5	7946.1	7952.9	7885.0	7633.6	7428.1	7409.4
57.5°	8217.9	8255.3	8488.0	8776.8	8917.7	8839.6	8803.9	8622.2	8379.3	8143.2	8131.3
60°	8921.1	8922.8	9225.2	9566.6	9852.0	9904.6	9758.6	9515.7	9201.4	8888.9	8875.3
62.5°	9408.6	9481.7	9863.9	10441.4	10952.7	11248.3	10862.7	10353.1	9734.8	9230.3	9179.3
65°	9508.9	9558.1	10140.8	11119.2	12163.8	12800.8	11909.0	10825.3	9770.5	9097.8	9063.8
67.5°	8698.6	8751.3	9536.0	11037.6	13013.1	14319.4	12588.5	10597.7	9165.7	8333.4	8267.2
70°	6728.2	6787.7	7757.6	9716.1	12824.6	14796.7	12104.4	9243.9	7558.9	6660.3	6539.7
72.5°	3577.3	3796.4	4625.3	6668.8	10409.1	12739.6	9925.0	6745.2	4875.0	3985.0	3825.3
75°	1306.2	1333.4	1795.4	2957.3	6055.6	8736.0	6288.3	3217.2	1849.8	1428.5	1355.5
77.5°	540.2	538.5	591.1	893.5	2199.7	4474.2	2454.5	944.4	589.4	545.3	538.5
80°	319.3	319.3	351.6	372.0	579.2	1350.4	647.2	421.3	353.3	322.7	327.8
82.5°	142.7	151.2	222.5	234.4	280.3	370.3	312.5	268.4	231.0	159.7	144.4
85°	78.1	67.9	117.2	122.3	134.2	137.6	147.8	146.1	134.2	78.1	79.8
87.5°	15.3	18.7	34.0	25.5	28.9	25.5	34.0	47.6	49.3	27.2	22.1
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)