

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: P531921

Luminaire Tested: **GALN-SA7B-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7B-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23326 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

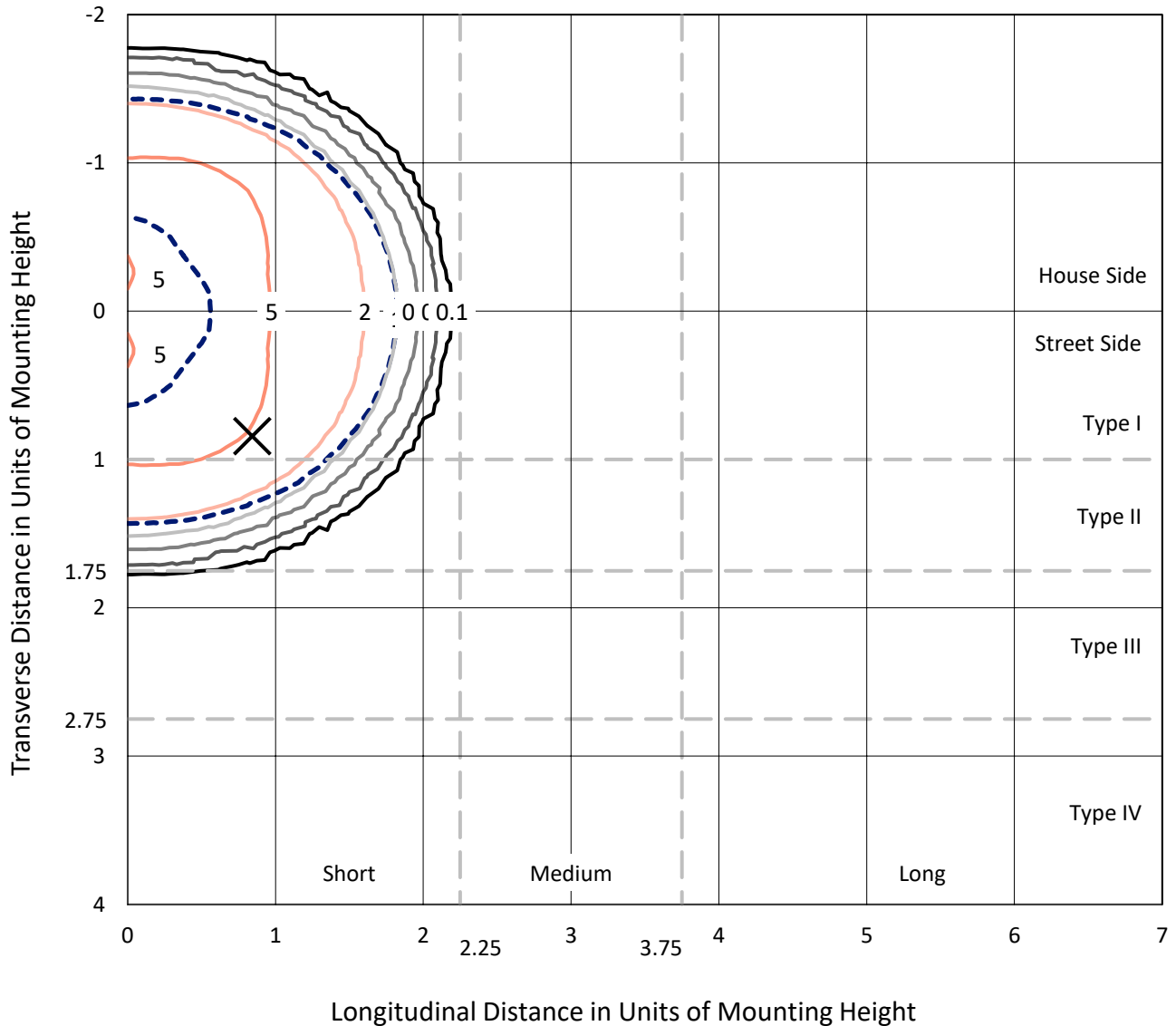
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

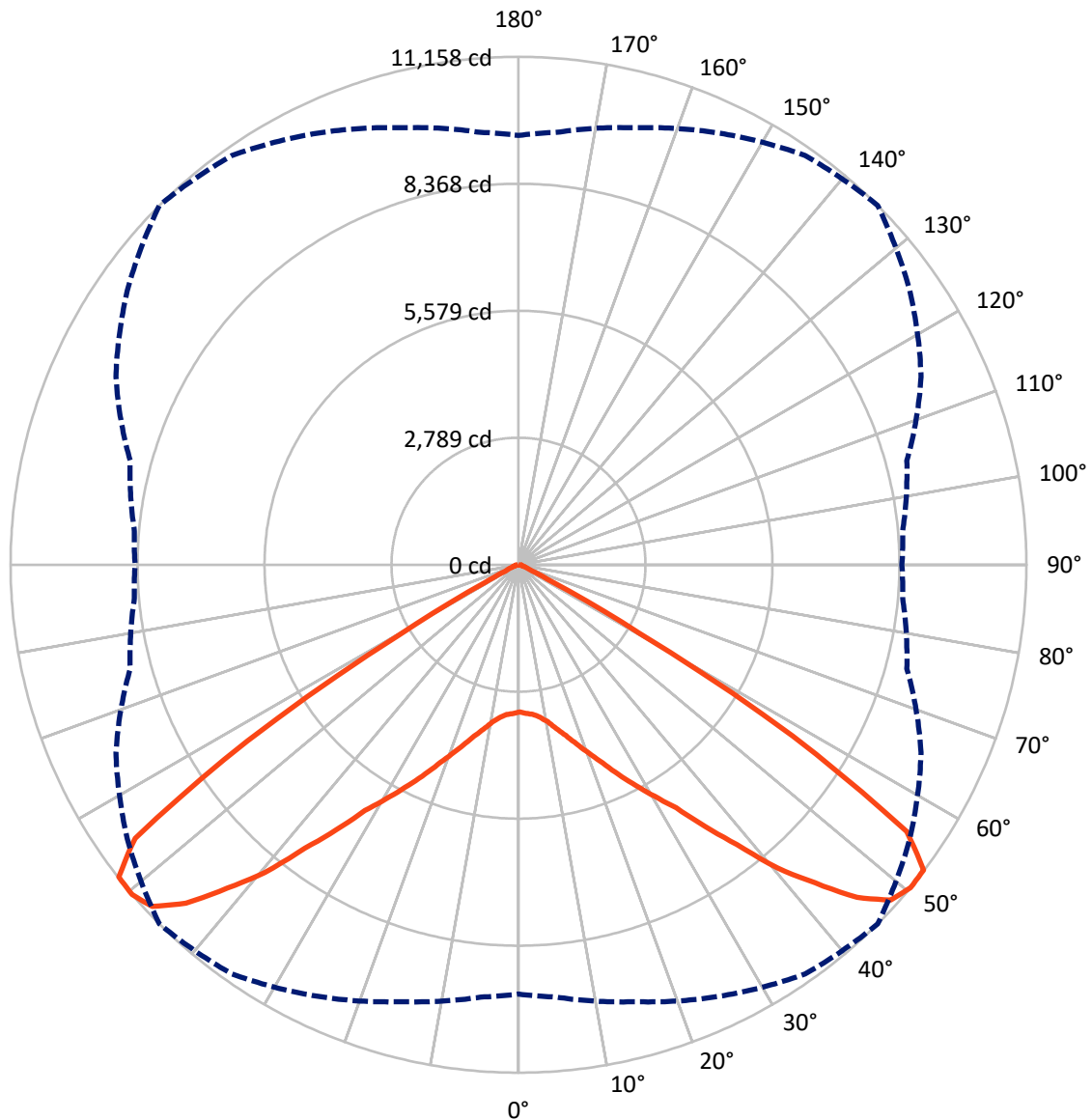
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11663.0	0.0	11663.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11663.0	0.0	11663.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23326.0	0.0	23326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.7	1.4
10°-20°	1108.8	4.8
20°-30°	2264.7	9.7
30°-40°	4318.8	18.5
40°-50°	7277.8	31.2
50°-60°	6940.6	29.8
60°-70°	968.9	4.2
70°-80°	92.7	0.4
80°-90°	32.0	0.1
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°	23326.0	100.0
0°-180°	23326.0	100.0

Coefficient of Utilization

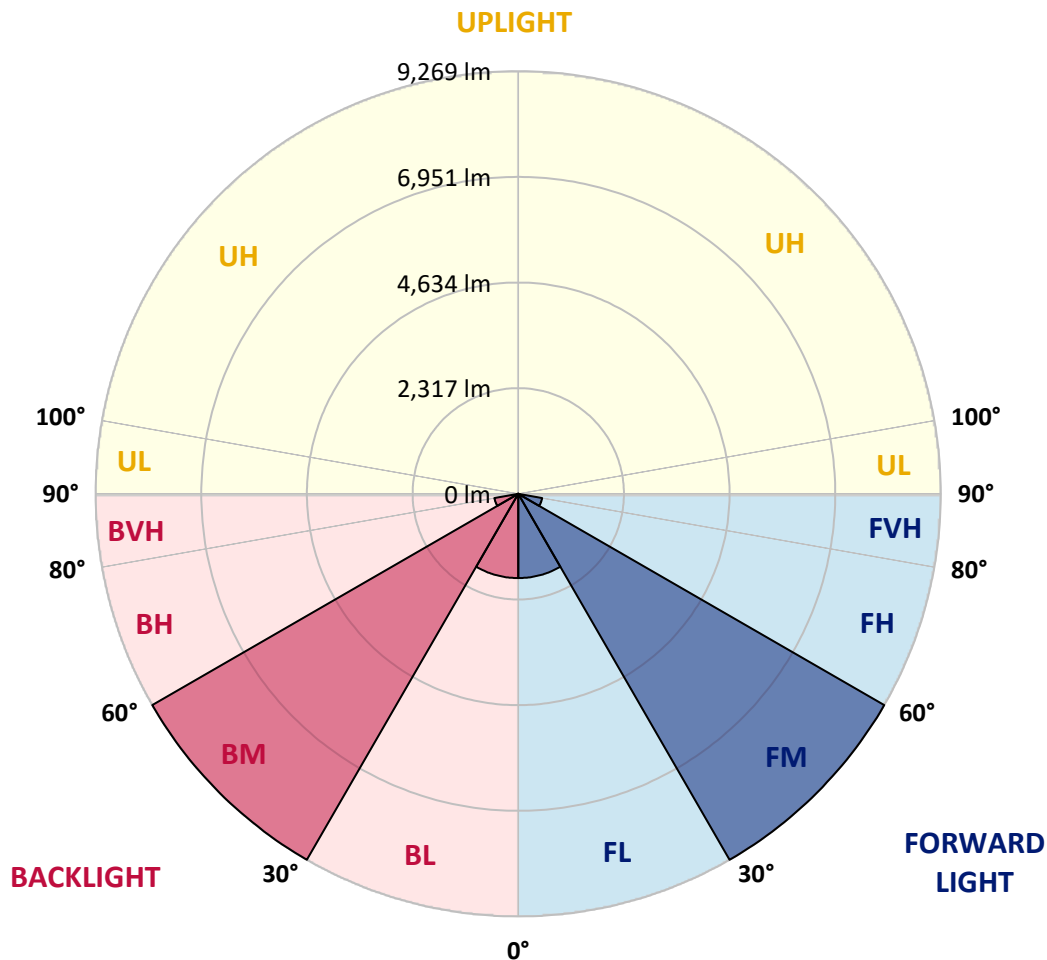


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1847.6	7.9			
FM (30°-60°)	9268.6	39.7			
FH (60°-80°)	530.8	2.3			G0/660
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	1847.6	7.9	B3/2500		
BM (30°-60°)	9268.6	39.7	B5		
BH (60°-80°)	530.8	2.3	B2/1000		G0/660
BVH (80°-90°)	16.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3233.9	3233.9	3233.9	3233.9	3233.9	3233.9	3233.9	3233.9	3233.9	3233.9	3233.9
2.5°	3222.1	3222.1	3218.2	3249.6	3233.9	3269.2	3265.3	3277.1	3288.8	3284.9	3316.3
5°	3194.6	3190.7	3190.7	3226.0	3261.4	3300.6	3335.9	3359.5	3398.7	3398.7	3438.0
7.5°	3222.1	3202.5	3230.0	3245.7	3312.4	3379.1	3438.0	3485.1	3575.3	3606.7	3595.0
10°	3230.0	3253.5	3273.1	3320.2	3402.7	3504.7	3555.7	3673.5	3775.5	3846.1	3861.8
12.5°	3281.0	3316.3	3371.3	3485.1	3559.6	3693.1	3763.7	3877.5	4018.8	4097.3	4152.3
15°	3379.1	3390.9	3461.5	3606.7	3767.6	3889.3	3999.2	4081.6	4219.0	4309.2	4313.2
17.5°	3504.7	3555.7	3653.8	3791.2	3959.9	4140.5	4226.8	4317.1	4368.1	4489.8	4517.2
20°	3755.9	3763.7	3857.9	4038.4	4250.4	4415.2	4478.0	4525.1	4505.5	4631.1	4654.6
22.5°	3991.3	3999.2	4116.9	4360.3	4587.9	4729.2	4756.6	4729.2	4670.3	4760.6	4768.4
25°	4230.7	4301.4	4387.7	4631.1	4913.6	5102.0	5105.9	5031.4	4909.7	4925.4	4964.7
27.5°	4603.6	4654.6	4744.9	4968.6	5278.6	5490.6	5455.2	5365.0	5208.0	5219.8	5208.0
30°	5039.2	5086.3	5160.9	5447.4	5675.0	5906.6	5957.6	5871.2	5635.8	5584.7	5643.6
32.5°	5565.1	5631.8	5769.2	6032.2	6224.5	6365.7	6401.1	6369.7	6149.9	6130.3	6169.5
35°	6204.8	6295.1	6420.7	6652.2	6809.2	7064.3	7064.3	6958.4	6758.2	6781.8	6777.8
37.5°	6879.9	7013.3	7209.5	7445.0	7656.9	7794.3	7751.1	7660.9	7460.7	7409.7	7460.7
40°	7727.6	7794.3	8041.6	8347.7	8606.7	8763.7	8579.2	8383.0	7904.2	7978.8	8116.1
42.5°	8500.7	8606.7	8795.1	9132.6	9427.0	9556.5	9336.7	8948.2	8371.2	8312.4	8414.4
45°	9160.1	9273.9	9521.1	10003.9	10313.9	10427.7	9941.1	9313.1	8653.8	8504.7	8547.8
47.5°	9599.6	9658.5	10003.9	10463.1	10745.6	11004.7	10306.1	9564.3	8787.2	8504.7	8489.0
50°	9430.9	9532.9	9937.2	10459.1	10973.3	11157.7	10490.5	9756.6	8830.4	8469.3	8422.3
52.5°	8375.2	8551.8	9003.1	9705.6	10482.7	11142.0	10745.6	9693.8	8814.7	8504.7	8575.3
55°	5828.1	5832.0	6381.4	7417.5	8791.2	10345.3	10372.8	9764.5	8916.8	8724.4	8728.4
57.5°	2343.0	2460.7	2880.7	3920.7	5188.4	7103.6	8445.8	9058.0	8928.5	8881.4	9003.1
60°	592.6	596.5	726.1	1106.7	1825.0	3045.5	4423.1	5985.1	6891.6	7201.7	7244.9
62.5°	302.2	306.1	337.5	392.5	498.4	816.3	1452.1	2303.8	3277.1	3771.6	3901.1
65°	247.3	247.3	266.9	294.3	298.3	314.0	376.8	537.7	781.0	887.0	898.7
67.5°	188.4	188.4	204.1	219.8	227.6	223.7	215.9	223.7	270.8	259.0	251.2
70°	117.7	121.7	129.5	145.2	153.1	157.0	160.9	168.8	192.3	200.2	192.3
72.5°	70.6	70.6	74.6	86.3	98.1	106.0	117.7	125.6	137.4	157.0	153.1
75°	31.4	31.4	39.2	51.0	62.8	74.6	86.3	98.1	106.0	117.7	121.7
77.5°	7.8	11.8	19.6	35.3	47.1	62.8	78.5	90.3	98.1	98.1	94.2
80°	3.9	3.9	15.7	27.5	51.0	66.7	86.3	94.2	106.0	98.1	86.3
82.5°	3.9	3.9	15.7	27.5	47.1	66.7	90.3	102.0	109.9	98.1	82.4
85°	0.0	3.9	11.8	23.5	39.2	47.1	39.2	27.5	15.7	15.7	11.8
87.5°	0.0	0.0	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)