

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: P532069

Luminaire Tested: **GALN-SA7B-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7B-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

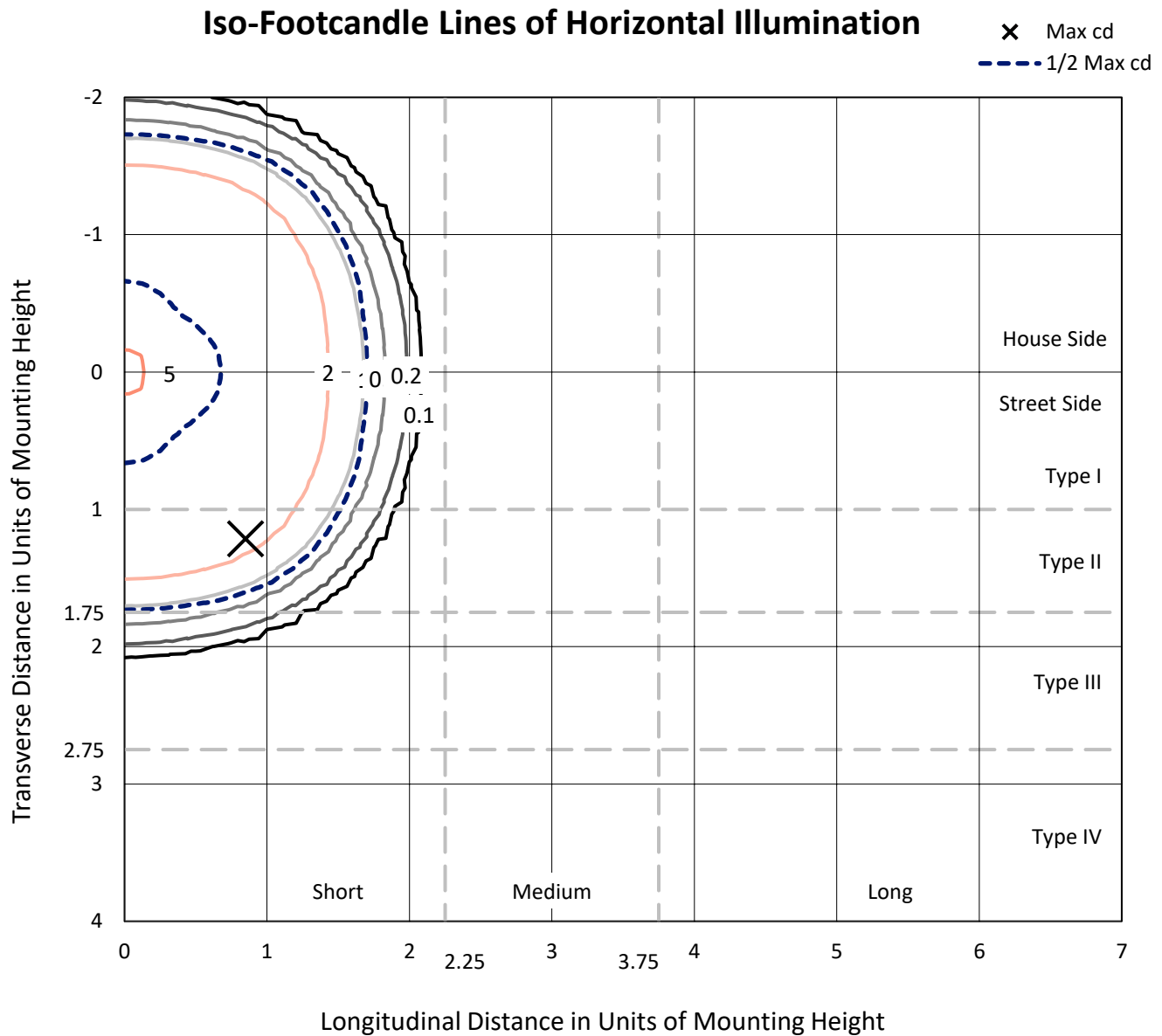
Lumens per Lamp: N/A
Luminaire Lumens: 18901 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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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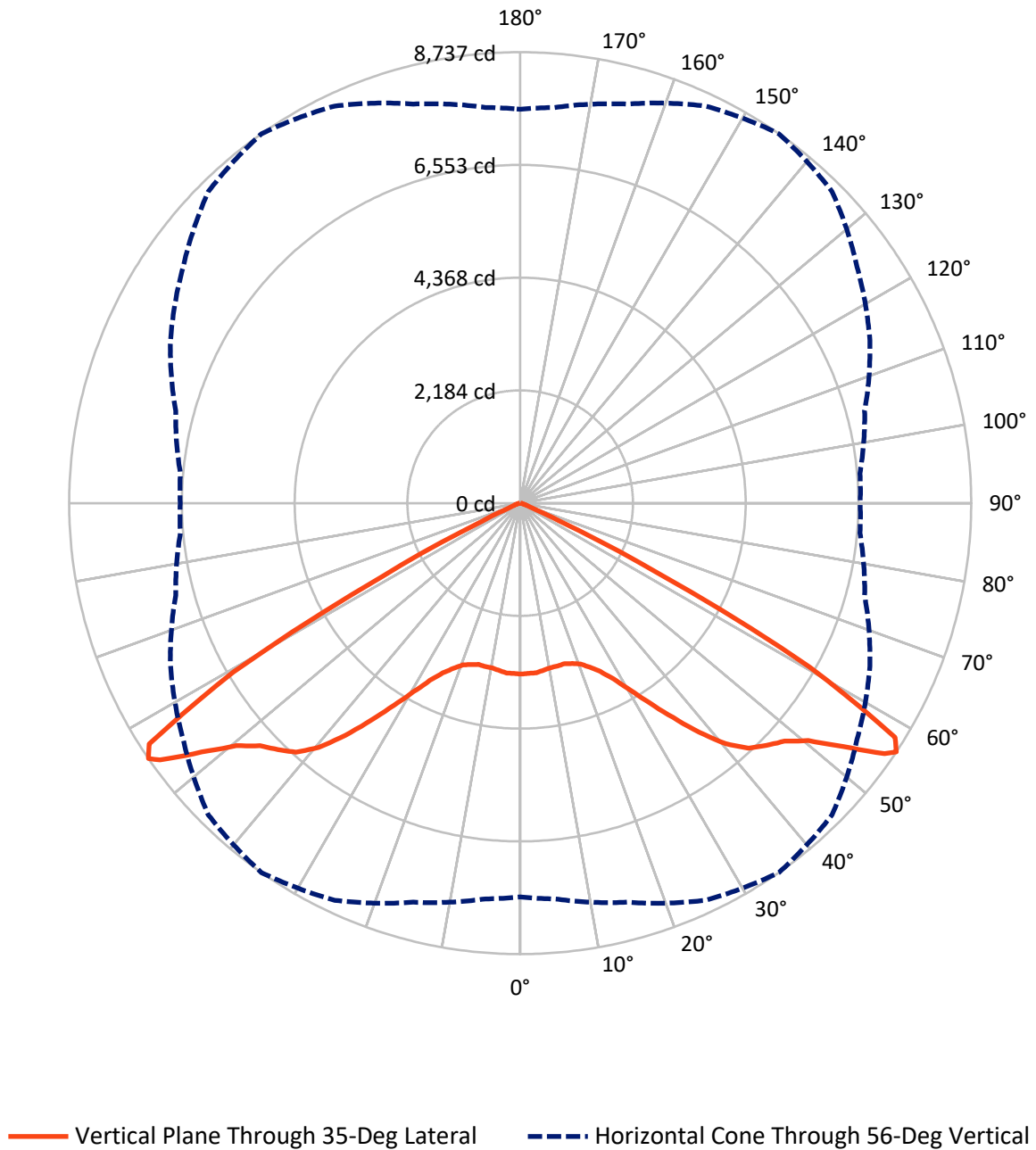
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Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9450.5	0.0	9450.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9450.5	0.0	9450.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18901.0	0.0	18901.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.3	1.6
10°-20°	908.7	4.8
20°-30°	1645.6	8.7
30°-40°	3051.5	16.1
40°-50°	5008.9	26.5
50°-60°	6452.9	34.1
60°-70°	1422.2	7.5
70°-80°	82.5	0.4
80°-90°	17.4	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°	18901.0	100.0
0°-180°	18901.0	100.0

Coefficient of Utilization



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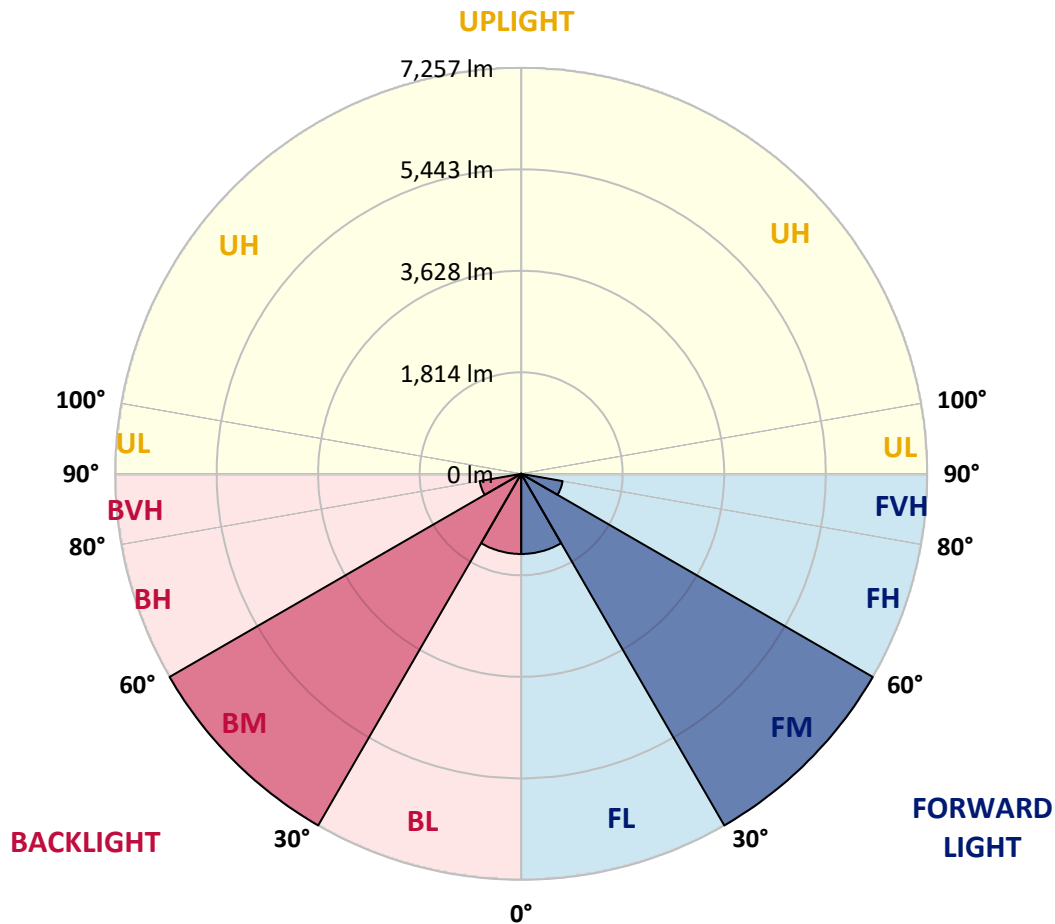
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1432.8	7.6			
FM	(30°-60°)	7256.7	38.4			
FH	(60°-80°)	752.3	4.0			G1/1800
FVH	(80°-90°)	8.7	0.0			G0/10
BL	(0°-30°)	1432.8	7.6	B3/2500		
BM	(30°-60°)	7256.7	38.4	B4/8500		
BH	(60°-80°)	752.3	4.0	B2/1000		G1/1800
BVH	(80°-90°)	8.7	0.0			G0/10
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°	3311.9	3311.9	3311.9	3311.9	3311.9	3311.9	3311.9	3311.9	3311.9	3311.9	3311.9
2.5°	3318.7	3318.7	3322.1	3325.6	3301.6	3291.3	3294.7	3287.9	3284.5	3294.7	3294.7
5°	3308.4	3308.4	3298.2	3301.6	3301.6	3270.8	3270.8	3277.6	3277.6	3257.1	3250.2
7.5°	3281.0	3274.2	3260.5	3277.6	3267.3	3267.3	3243.4	3226.2	3219.4	3233.1	3219.4
10°	3222.8	3226.2	3239.9	3246.8	3239.9	3260.5	3219.4	3195.4	3171.4	3161.2	3161.2
12.5°	3195.4	3216.0	3195.4	3212.5	3236.5	3219.4	3195.4	3178.3	3144.0	3130.3	3130.3
15°	3192.0	3205.7	3212.5	3236.5	3226.2	3233.1	3185.1	3164.6	3113.2	3089.2	3079.0
17.5°	3188.6	3205.7	3216.0	3260.5	3267.3	3270.8	3233.1	3171.4	3126.9	3102.9	3079.0
20°	3226.2	3233.1	3253.6	3298.2	3325.6	3373.5	3305.0	3239.9	3144.0	3116.6	3106.4
22.5°	3274.2	3308.4	3329.0	3376.9	3448.9	3490.0	3400.9	3318.7	3219.4	3185.1	3144.0
25°	3428.3	3421.5	3455.7	3555.0	3613.3	3644.1	3572.2	3452.3	3322.1	3281.0	3287.9
27.5°	3620.1	3627.0	3657.8	3767.4	3853.0	3900.9	3815.3	3657.8	3531.1	3462.6	3455.7
30°	3870.1	3863.3	3897.5	4044.8	4198.9	4270.8	4120.1	3935.2	3811.9	3722.8	3743.4
32.5°	4133.8	4137.3	4233.2	4366.7	4616.7	4757.2	4514.0	4288.0	4103.0	4041.4	4010.5
35°	4524.3	4541.4	4616.7	4822.2	5099.7	5281.2	5014.0	4743.5	4531.1	4418.1	4431.8
37.5°	5007.2	4990.1	5116.8	5339.4	5630.5	5764.1	5538.0	5229.8	5014.0	4938.7	4986.6
40°	5520.9	5538.0	5603.1	5805.2	6130.5	6219.6	5883.9	5716.1	5527.8	5490.1	5548.3
42.5°	6034.6	6024.4	6072.3	6253.8	6490.2	6428.5	6229.9	6130.5	5997.0	5921.6	6000.4
45°	6411.4	6394.3	6483.3	6606.6	6692.2	6575.8	6486.7	6452.5	6384.0	6301.8	6373.7
47.5°	6777.8	6764.1	6849.8	6884.0	6890.9	6736.7	6753.9	6815.5	6644.3	6473.0	6555.2
50°	7089.5	7065.5	7171.7	7247.1	7229.9	6983.3	7045.0	6983.3	6716.2	6514.1	6483.3
52.5°	7610.1	7620.4	7733.4	7870.4	7829.3	7623.8	7534.7	7253.9	6911.4	6729.9	6623.7
55°	7938.9	7887.5	8082.7	8517.7	8565.6	8353.3	7959.4	7545.0	7031.3	6808.7	6781.3
56°	7630.6	7695.7	8004.0	8490.3	8736.9	8541.7	7969.7	7473.1	6908.0	6606.6	6586.0
57.5°	6846.3	6812.1	7229.9	7894.4	8565.6	8483.4	7688.9	6959.4	6301.8	5962.7	5921.6
60°	4260.6	4359.9	4726.3	5548.3	6445.6	6486.7	5699.0	5072.3	4305.1	4003.7	4075.6
62.5°	1667.9	1582.3	1811.8	2424.8	3041.3	3178.3	2880.3	2394.0	1965.9	1667.9	1647.4
65°	387.0	376.7	424.7	585.7	818.5	948.7	900.7	647.3	476.1	452.1	417.8
67.5°	219.2	219.2	208.9	208.9	229.5	243.2	232.9	229.5	239.7	250.0	246.6
70°	154.1	150.7	143.8	147.3	140.4	140.4	150.7	167.8	181.5	181.5	184.9
72.5°	92.5	92.5	92.5	102.7	102.7	102.7	113.0	126.7	130.1	126.7	123.3
75°	41.1	41.1	47.9	58.2	65.1	68.5	78.8	85.6	92.5	85.6	78.8
77.5°	10.3	10.3	17.1	24.0	30.8	37.7	51.4	61.6	65.1	61.6	51.4
80°	3.4	3.4	6.8	17.1	30.8	37.7	51.4	54.8	58.2	51.4	41.1
82.5°	3.4	3.4	6.8	17.1	24.0	30.8	41.1	47.9	51.4	44.5	41.1
85°	0.0	3.4	6.8	13.7	20.5	27.4	27.4	20.5	17.1	10.3	13.7
87.5°	0.0	0.0	3.4	3.4	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)