

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: P531947

Luminaire Tested: **GALN-SA7B-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531947
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-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 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: 23860 lumens
Efficiency: N/A
Efficacy: 83.4 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

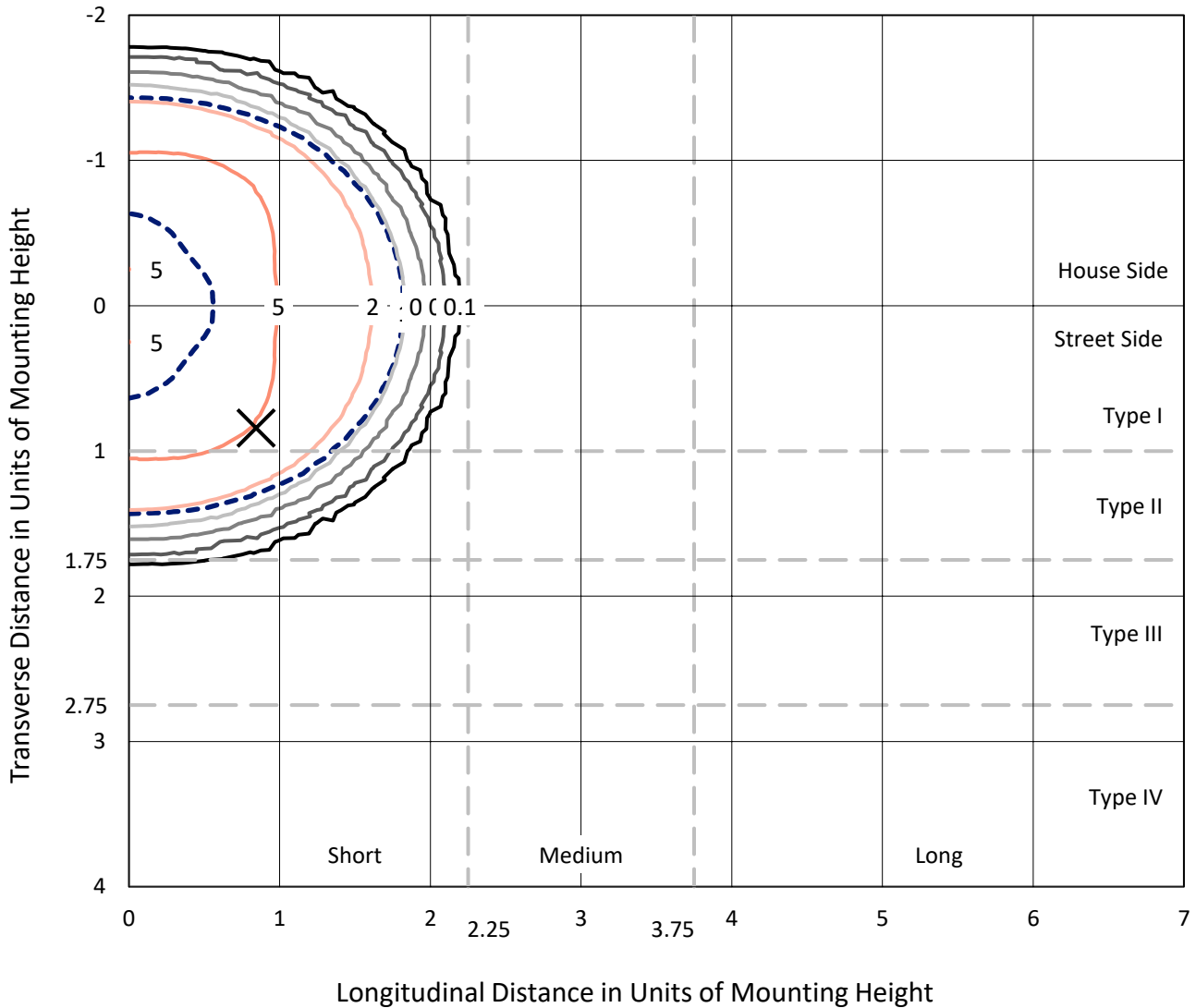
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

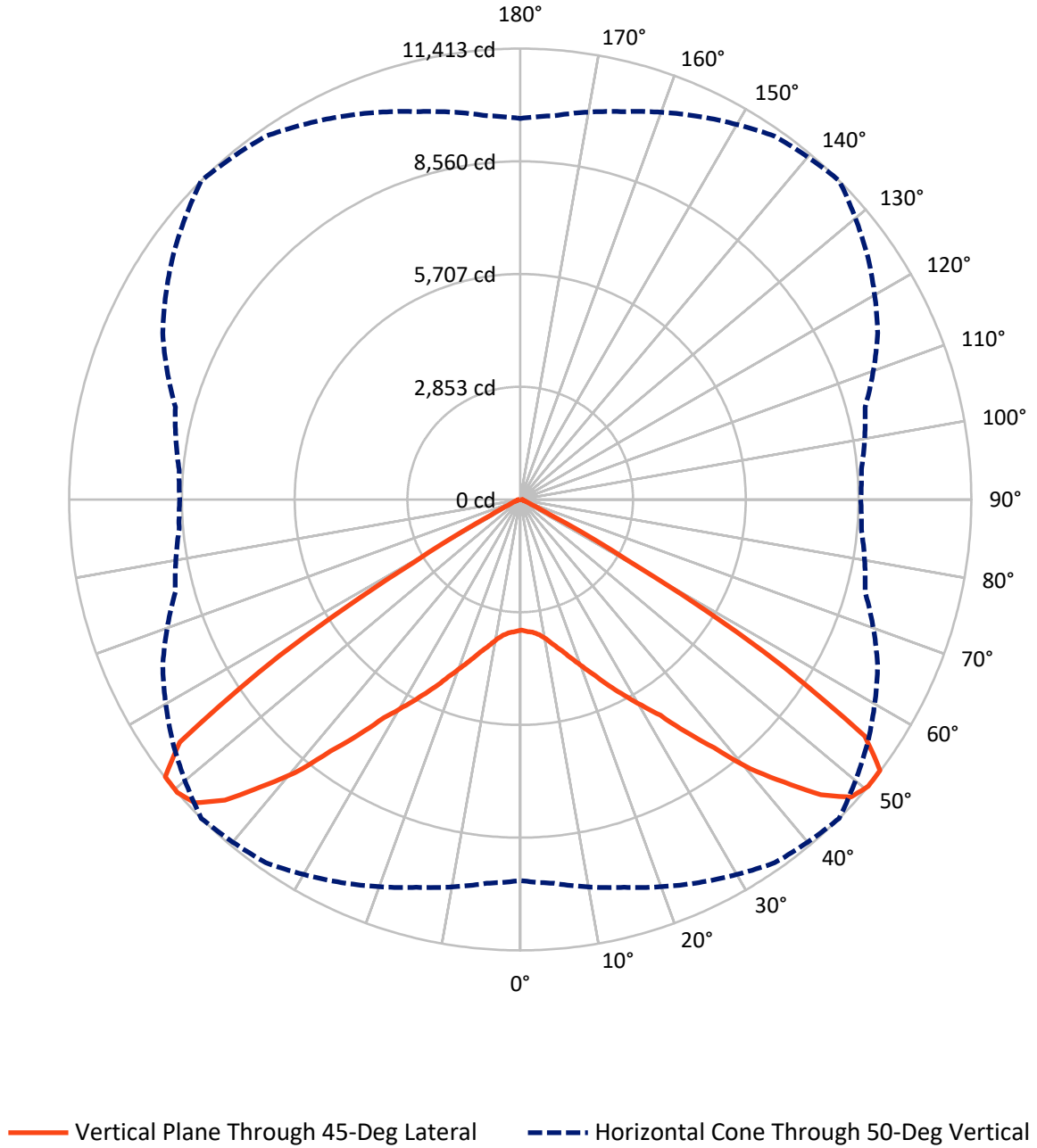
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	11930.0	0.0	11930.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11930.0	0.0	11930.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23860.0	0.0	23860.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.1	1.4
10°-20°	1134.2	4.8
20°-30°	2316.5	9.7
30°-40°	4417.6	18.5
40°-50°	7444.4	31.2
50°-60°	7099.5	29.8
60°-70°	991.1	4.2
70°-80°	94.8	0.4
80°-90°	32.7	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°	23860.0	100.0
0°-180°	23860.0	100.0

Coefficient of Utilization



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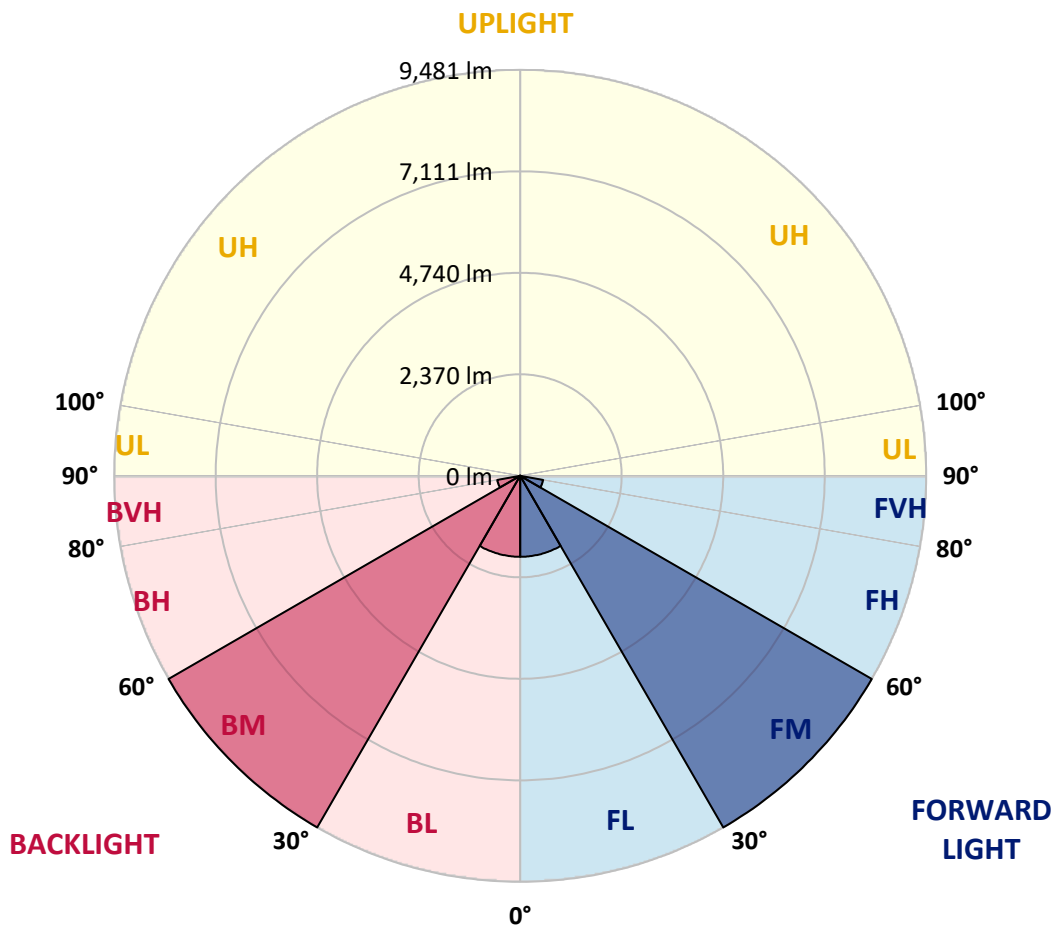
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1889.9	7.9			
FM (30°-60°)	9480.8	39.7			
FH (60°-80°)	542.9	2.3			G0/660
FVH (80°-90°)	16.4	0.1			G1/100
BL (0°-30°)	1889.9	7.9	B3/2500		
BM (30°-60°)	9480.8	39.7	B5		
BH (60°-80°)	542.9	2.3	B2/1000		G0/660
BVH (80°-90°)	16.4	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°	3307.9	3307.9	3307.9	3307.9	3307.9	3307.9	3307.9	3307.9	3307.9	3307.9	3307.9
2.5°	3295.9	3295.9	3291.9	3324.0	3307.9	3344.1	3340.0	3352.1	3364.1	3360.1	3392.2
5°	3267.8	3263.8	3263.8	3299.9	3336.0	3376.2	3412.3	3436.4	3476.5	3476.5	3516.7
7.5°	3295.9	3275.8	3303.9	3320.0	3388.2	3456.5	3516.7	3564.9	3657.2	3689.3	3677.3
10°	3303.9	3328.0	3348.1	3396.2	3480.5	3584.9	3637.1	3757.5	3861.9	3934.2	3950.2
12.5°	3356.1	3392.2	3448.4	3564.9	3641.1	3777.6	3849.9	3966.3	4110.8	4191.1	4247.3
15°	3456.5	3468.5	3540.8	3689.3	3853.9	3978.3	4090.7	4175.1	4315.6	4407.9	4411.9
17.5°	3584.9	3637.1	3737.5	3878.0	4050.6	4235.3	4323.6	4415.9	4468.1	4592.6	4620.7
20°	3841.9	3849.9	3946.2	4130.9	4347.7	4516.3	4580.5	4628.7	4608.6	4737.1	4761.2
22.5°	4082.7	4090.7	4211.2	4460.1	4692.9	4837.4	4865.5	4837.4	4777.2	4869.6	4877.6
25°	4327.6	4399.9	4488.2	4737.1	5026.1	5218.8	5222.8	5146.6	5022.1	5038.2	5078.3
27.5°	4709.0	4761.2	4853.5	5082.3	5399.5	5616.2	5580.1	5487.8	5327.2	5339.3	5327.2
30°	5154.6	5202.8	5279.0	5572.1	5804.9	6041.8	6094.0	6005.7	5764.8	5712.6	5772.8
32.5°	5692.5	5760.8	5901.3	6170.2	6367.0	6511.5	6547.6	6515.5	6290.7	6270.6	6310.8
35°	6346.9	6439.2	6567.7	6804.5	6965.1	7226.1	7226.1	7117.7	6912.9	6937.0	6933.0
37.5°	7037.4	7173.9	7374.6	7615.5	7832.2	7972.7	7928.6	7836.3	7631.5	7579.3	7631.5
40°	7904.5	7972.7	8225.7	8538.8	8803.7	8964.3	8775.6	8574.9	8085.2	8161.4	8301.9
42.5°	8695.4	8803.7	8996.4	9341.7	9642.8	9775.2	9550.4	9153.0	8562.9	8502.7	8607.0
45°	9369.8	9486.2	9739.1	10232.9	10550.0	10666.5	10168.7	9526.3	8851.9	8699.4	8743.5
47.5°	9819.4	9879.6	10232.9	10702.6	10991.6	11256.6	10542.0	9783.3	8988.4	8699.4	8683.3
50°	9646.8	9751.2	10164.6	10698.6	11224.5	11413.1	10730.7	9980.0	9032.6	8663.2	8615.1
52.5°	8566.9	8747.5	9209.2	9927.8	10722.7	11397.1	10991.6	9915.8	9016.5	8699.4	8771.6
55°	5961.5	5965.5	6527.5	7587.4	8992.4	10582.2	10610.3	9988.0	9120.9	8924.2	8928.2
57.5°	2396.6	2517.1	2946.6	4010.5	5307.1	7266.2	8639.1	9265.4	9132.9	9084.8	9209.2
60°	606.2	610.2	742.7	1132.1	1866.7	3115.2	4524.3	6122.1	7049.4	7366.6	7410.7
62.5°	309.1	313.1	345.2	401.4	509.8	835.0	1485.4	2356.5	3352.1	3857.9	3990.4
65°	252.9	252.9	273.0	301.1	305.1	321.2	385.4	550.0	798.9	907.3	919.3
67.5°	192.7	192.7	208.8	224.8	232.8	228.8	220.8	228.8	277.0	265.0	256.9
70°	120.4	124.4	132.5	148.5	156.6	160.6	164.6	172.6	196.7	204.7	196.7
72.5°	72.3	72.3	76.3	88.3	100.4	108.4	120.4	128.5	140.5	160.6	156.6
75°	32.1	32.1	40.1	52.2	64.2	76.3	88.3	100.4	108.4	120.4	124.4
77.5°	8.0	12.0	20.1	36.1	48.2	64.2	80.3	92.3	100.4	100.4	96.3
80°	4.0	4.0	16.1	28.1	52.2	68.2	88.3	96.3	108.4	100.4	88.3
82.5°	4.0	4.0	16.1	28.1	48.2	68.2	92.3	104.4	112.4	100.4	84.3
85°	0.0	4.0	12.0	24.1	40.1	48.2	40.1	28.1	16.1	16.1	12.0
87.5°	0.0	0.0	4.0	4.0	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)