

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: P531995

Luminaire Tested: **GALN-SA7B-750-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531995  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7B-750-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20673 lumens  
Efficiency: N/A  
Efficacy: 72.3 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

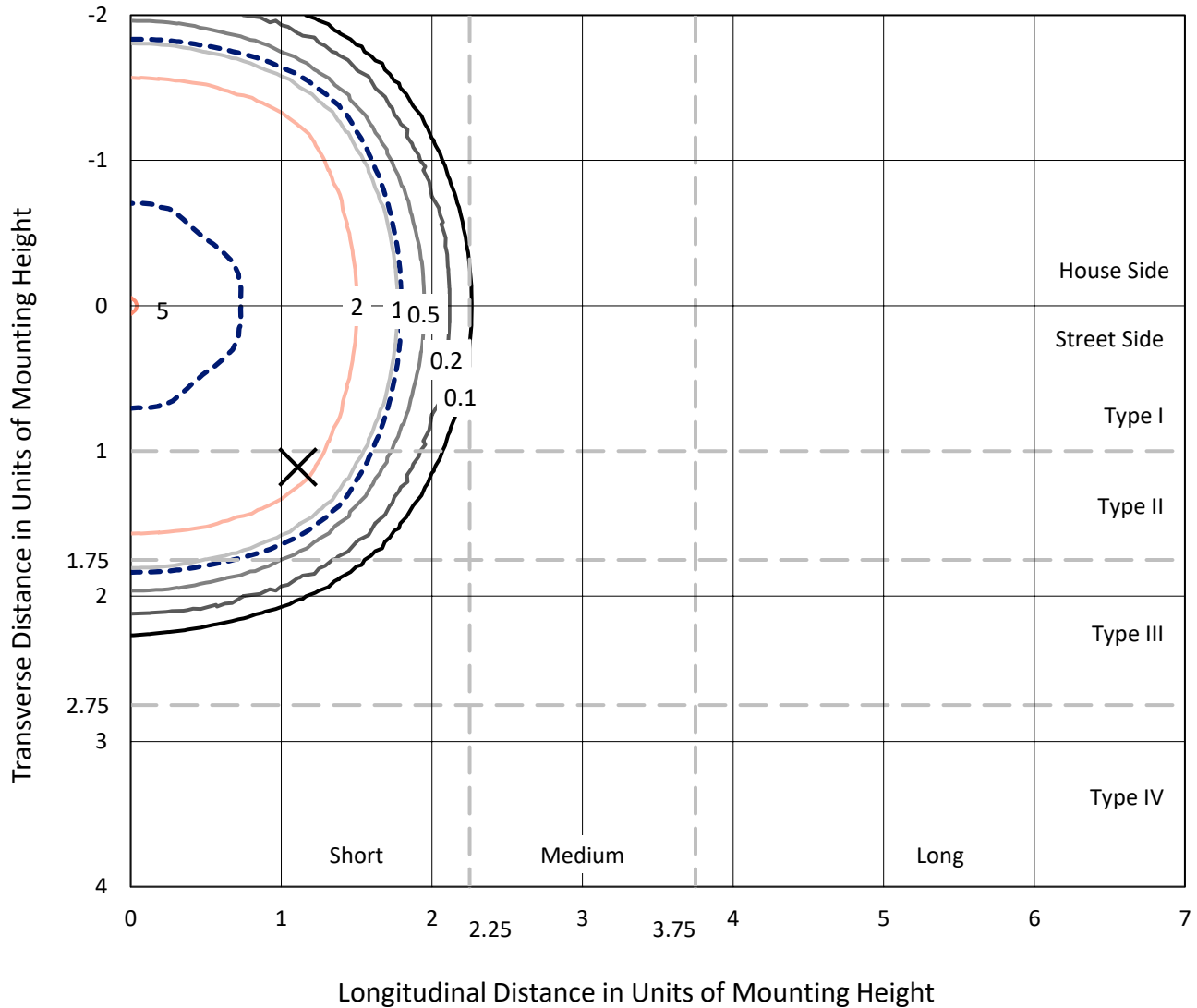
Input Watts (W): 286  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

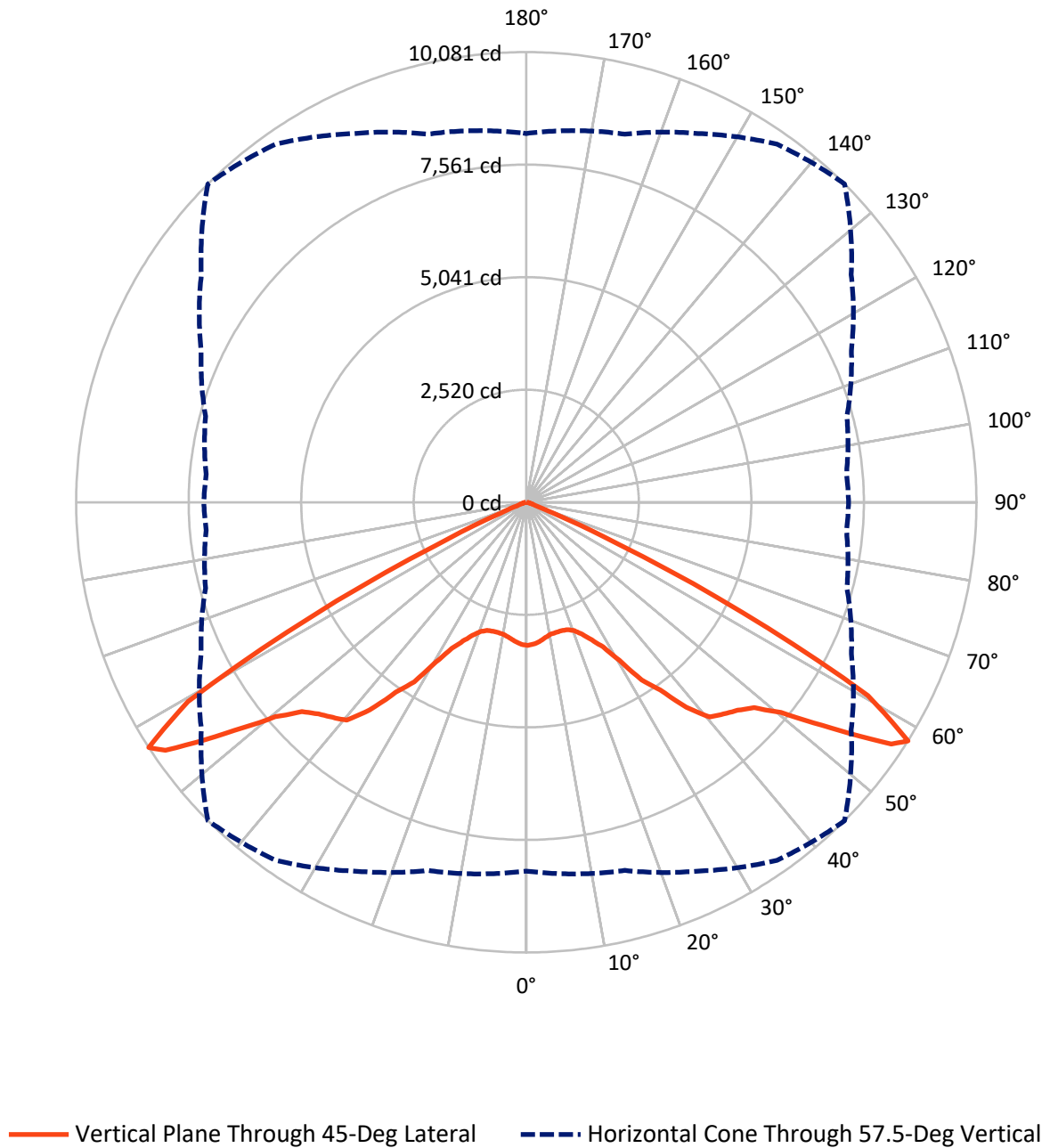
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10336.5	0.0	10336.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10336.5	0.0	10336.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20673.0	0.0	20673.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.7	1.4
10°-20°	851.7	4.1
20°-30°	1572.2	7.6
30°-40°	3091.9	15.0
40°-50°	5035.8	24.4
50°-60°	7181.7	34.7
60°-70°	2486.5	12.0
70°-80°	133.4	0.6
80°-90°	25.1	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°	20673.0	100.0
0°-180°	20673.0	100.0

**Coefficient of Utilization**

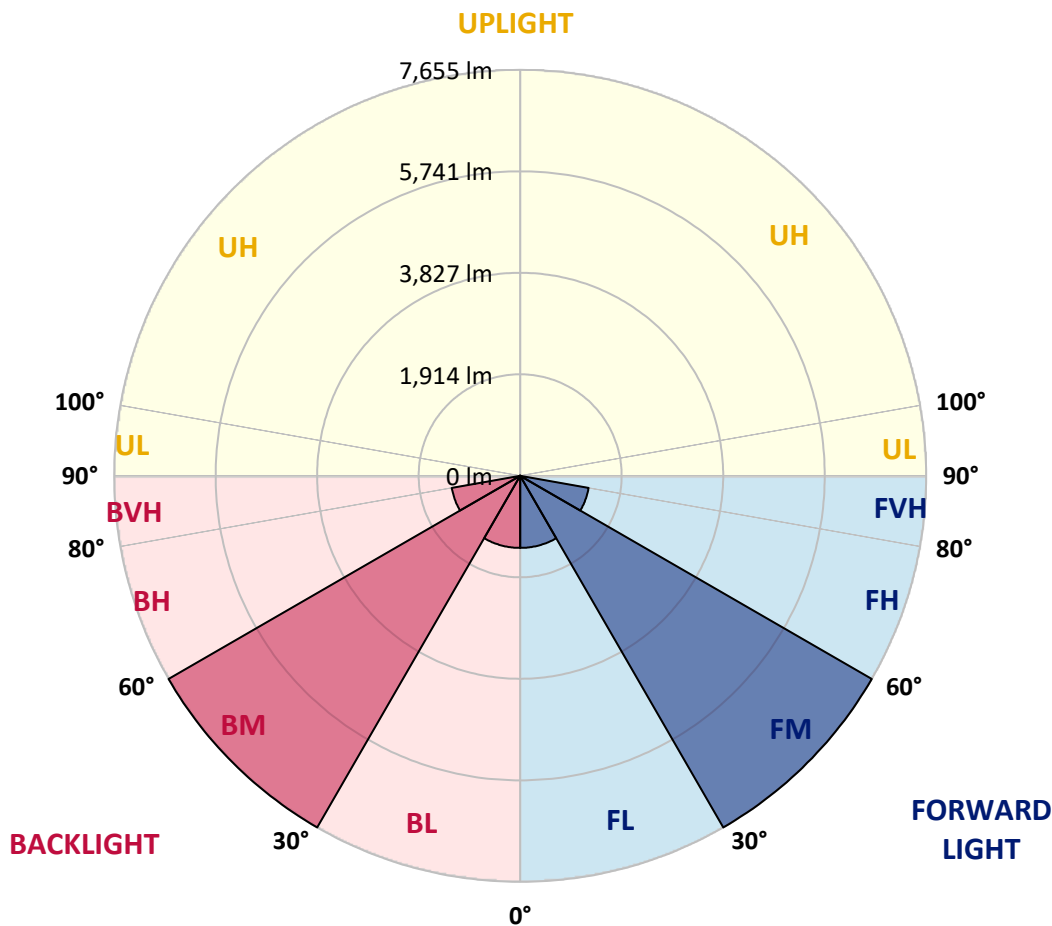


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1359.3	6.6			
FM (30°-60°)	7654.7	37.0			
FH (60°-80°)	1309.9	6.3			G1/1800
FVH (80°-90°)	12.5	0.1			G1/100
BL (0°-30°)	1359.3	6.6	B3/2500		
BM (30°-60°)	7654.7	37.0	B4/8500		
BH (60°-80°)	1309.9	6.3	B3/2500		G1/1800
BVH (80°-90°)	12.5	0.1			G1/100
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°	3206.6	3206.6	3206.6	3206.6	3206.6	3206.6	3206.6	3206.6	3206.6	3206.6	3206.6
2.5°	3198.0	3215.2	3193.7	3185.0	3180.7	3180.7	3167.8	3167.8	3163.5	3167.8	3150.6
5°	3146.3	3163.5	3163.5	3159.2	3133.3	3129.0	3116.1	3107.5	3111.8	3094.5	3107.5
7.5°	3094.5	3107.5	3090.2	3085.9	3077.3	3060.1	3055.8	3017.0	3021.3	3021.3	3029.9
10°	3085.9	3081.6	3055.8	3034.2	3008.3	3004.0	2991.1	2982.5	2982.5	2978.2	2991.1
12.5°	3085.9	3064.4	3060.1	3012.7	2969.6	2986.8	2952.3	2930.8	2960.9	2969.6	2986.8
15°	3081.6	3103.2	3029.9	3008.3	2978.2	2982.5	2952.3	2930.8	2948.0	2956.6	2969.6
17.5°	3107.5	3094.5	3073.0	3029.9	3017.0	2999.7	2960.9	2943.7	2943.7	2965.2	2969.6
20°	3176.4	3141.9	3098.9	3077.3	3090.2	3068.7	3021.3	2956.6	2973.9	2991.1	3004.0
22.5°	3241.1	3215.2	3185.0	3172.1	3245.4	3210.9	3129.0	3055.8	3029.9	3060.1	3081.6
25°	3366.1	3366.1	3310.0	3327.3	3409.2	3413.5	3318.7	3189.4	3172.1	3185.0	3193.7
27.5°	3620.4	3633.3	3585.9	3603.1	3637.6	3667.8	3585.9	3478.1	3439.3	3435.0	3448.0
30°	3896.2	3922.0	3917.7	3991.0	4090.1	4107.4	3986.7	3810.0	3693.6	3672.1	3689.3
32.5°	4258.2	4271.2	4262.5	4348.7	4616.0	4740.9	4426.3	4176.3	4021.2	4060.0	4021.2
35°	4939.2	4926.3	4831.4	4848.7	5068.5	5159.0	4857.3	4697.8	4624.6	4702.1	4684.9
37.5°	5525.3	5477.9	5400.4	5512.4	5740.8	5822.7	5508.1	5228.0	5094.4	5223.7	5279.7
40°	6021.0	5900.3	5792.6	5904.6	6210.6	6322.7	5861.5	5633.1	5581.4	5676.2	5796.9
42.5°	6439.1	6361.5	6219.3	6227.9	6430.4	6482.2	6111.5	5977.9	5926.2	6077.0	6137.4
45°	6736.4	6663.2	6529.6	6520.9	6676.1	6641.6	6309.8	6219.3	6249.4	6348.5	6378.7
47.5°	6887.3	6926.1	6848.5	6870.1	6951.9	6870.1	6607.1	6607.1	6538.2	6598.5	6568.4
50°	7322.6	7201.9	7301.0	7301.0	7387.2	7395.9	7133.0	7038.1	6852.8	6749.4	6749.4
52.5°	7831.2	7839.8	7878.6	8020.8	8167.3	8292.3	7917.4	7512.2	7201.9	7068.3	7051.1
55°	8249.2	8335.4	8490.6	8757.8	9180.2	9352.6	8706.1	7982.0	7602.7	7395.9	7352.8
56°	8477.7	8395.8	8663.0	9029.3	9581.0	9805.1	8835.4	8076.8	7658.8	7426.0	7421.7
57.5°	8257.9	8348.4	8533.7	9111.2	9787.9	10081.0	8882.8	8033.7	7434.7	7197.6	7219.2
60°	6520.9	6607.1	6857.1	7503.6	8563.9	8792.3	7516.5	6624.4	6090.0	5749.5	5753.8
62.5°	3689.3	3754.0	3947.9	4547.0	5206.4	5426.2	4684.9	4090.1	3719.5	3529.8	3469.5
65°	1357.6	1331.8	1361.9	1667.9	2073.1	2258.4	1948.1	1646.4	1452.5	1383.5	1357.6
67.5°	508.6	469.8	439.6	469.8	590.5	624.9	573.2	478.4	448.2	461.2	469.8
70°	314.6	297.4	237.0	224.1	219.8	215.5	228.4	241.4	275.8	323.2	331.9
72.5°	219.8	206.9	168.1	159.5	150.8	146.5	168.1	185.3	215.5	250.0	254.3
75°	86.2	90.5	86.2	94.8	99.1	103.4	120.7	133.6	146.5	146.5	142.2
77.5°	17.2	17.2	25.9	34.5	43.1	56.0	81.9	94.8	99.1	94.8	81.9
80°	0.0	0.0	8.6	17.2	34.5	47.4	73.3	81.9	90.5	81.9	64.6
82.5°	0.0	0.0	8.6	21.5	34.5	43.1	69.0	86.2	99.1	90.5	69.0
85°	0.0	0.0	8.6	17.2	25.9	30.2	30.2	21.5	21.5	12.9	8.6
87.5°	0.0	0.0	0.0	0.0	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)