

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: P455136

Luminaire Tested: **GALN-SA6B-740-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455136  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6B-740-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33683 lumens  
Efficiency: N/A  
Efficacy: 138.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

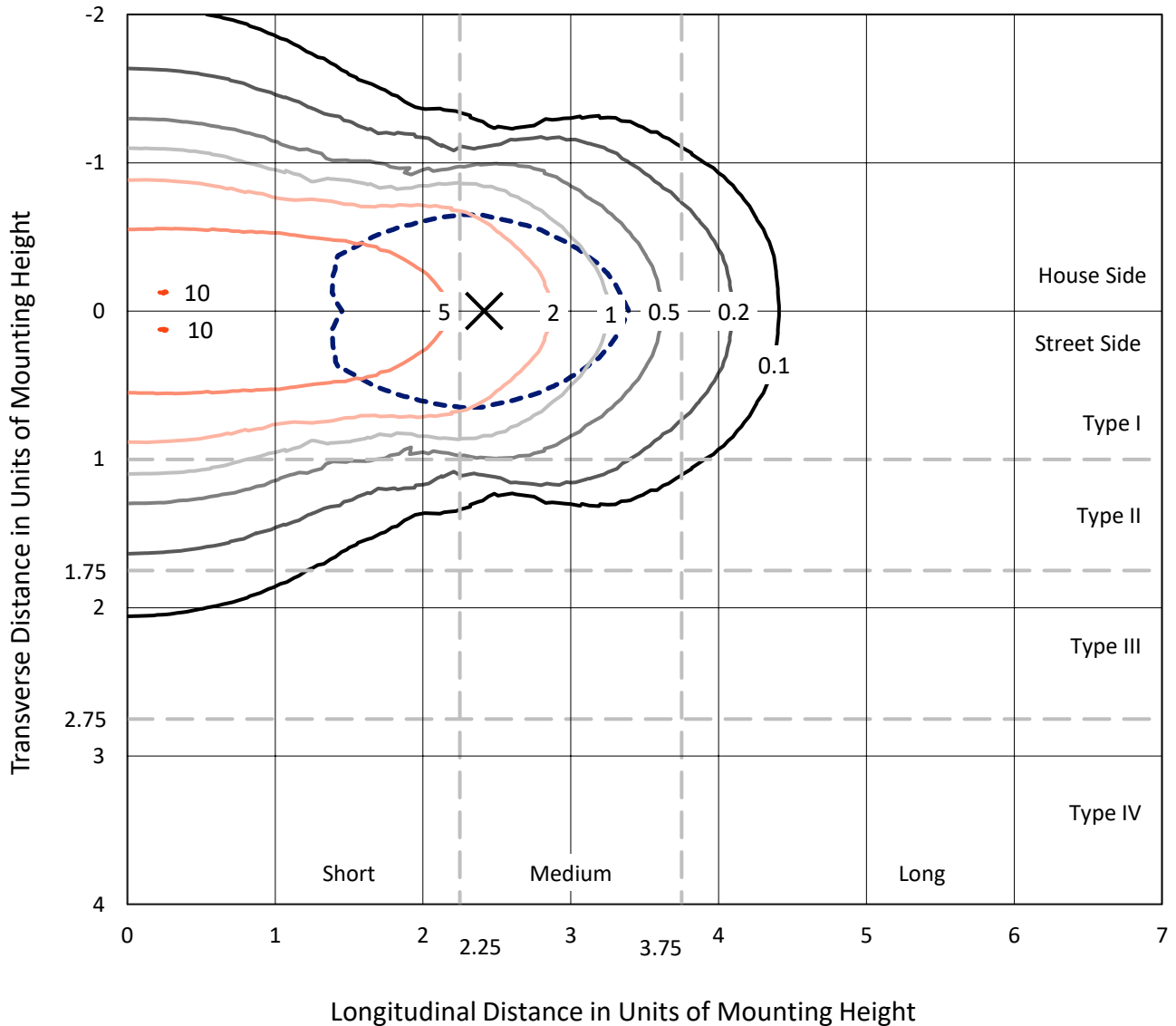
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

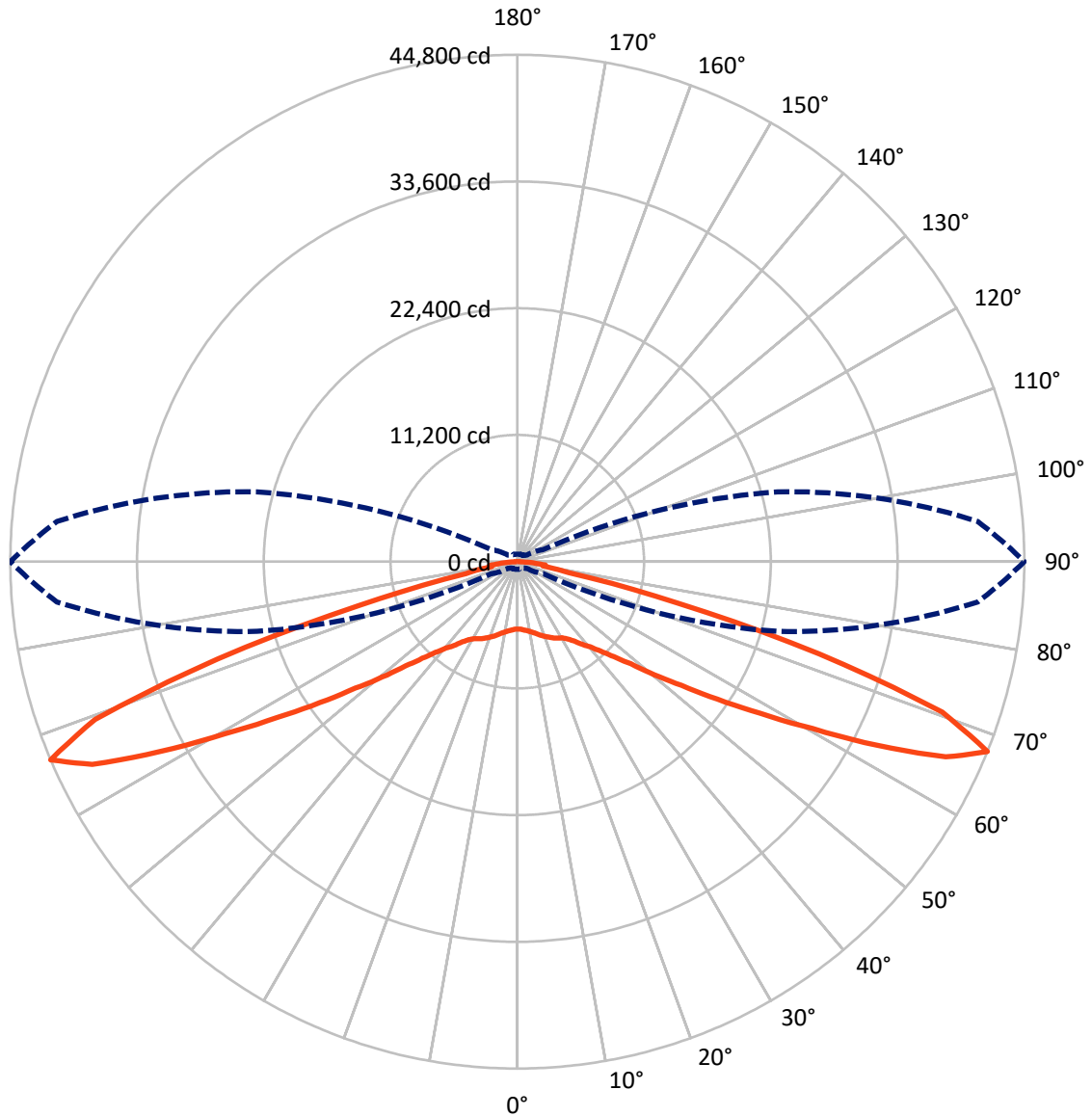
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16841.5	0.0	16841.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16841.5	0.0	16841.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33683.0	0.0	33683.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	594.5	1.8
10°-20°	1902.1	5.6
20°-30°	3183.6	9.5
30°-40°	4313.0	12.8
40°-50°	5463.1	16.2
50°-60°	6824.8	20.3
60°-70°	8022.2	23.8
70°-80°	3068.9	9.1
80°-90°	310.9	0.9
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°	33683.0	100.0
0°-180°	33683.0	100.0

**Coefficient of Utilization**



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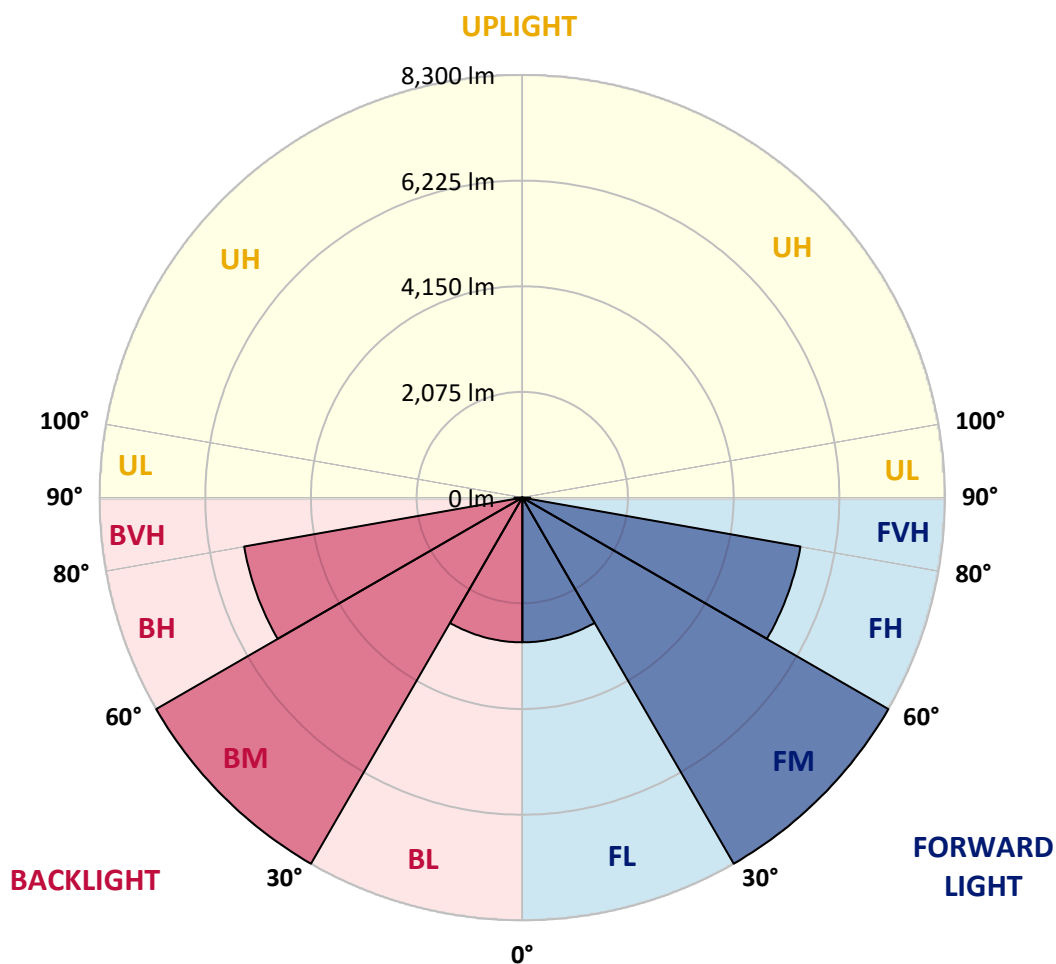
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2840.1	8.4			
FM	(30°-60°)	8300.4	24.6			
FH	(60°-80°)	5545.5	16.5			G3/7500
FVH	(80°-90°)	155.5	0.5			G2/225
BL	(0°-30°)	2840.1	8.4	B4/5000		
BM	(30°-60°)	8300.4	24.6	B4/8500		
BH	(60°-80°)	5545.5	16.5	B5		G5
BVH	(80°-90°)	155.5	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5962.9	5962.9	5962.9	5962.9	5962.9	5962.9	5962.9	5962.9	5962.9	5962.9	5962.9
2.5°	6039.4	6035.7	6037.5	6035.7	6041.3	6037.5	6015.2	5996.5	5981.6	5983.5	5977.9
5°	6168.1	6170.0	6171.8	6162.5	6175.6	6168.1	6132.7	6102.8	6073.0	6061.8	6058.1
7.5°	6274.4	6283.7	6289.3	6298.7	6321.1	6321.1	6302.4	6259.5	6194.2	6156.9	6155.1
10°	6380.7	6388.2	6405.0	6434.8	6472.1	6507.6	6500.1	6442.3	6358.4	6294.9	6280.0
12.5°	6418.0	6427.4	6483.3	6569.1	6653.1	6722.1	6722.1	6675.4	6567.3	6470.3	6442.3
15°	6287.5	6304.3	6405.0	6587.8	6807.9	6958.9	6992.5	6927.2	6811.6	6662.4	6628.8
17.5°	6028.2	6069.3	6216.6	6487.1	6852.6	7166.0	7263.0	7231.3	7082.0	6891.8	6852.6
20°	5750.3	5795.1	5951.7	6309.9	6815.3	7287.2	7568.8	7576.3	7391.7	7115.6	7057.8
22.5°	5444.4	5478.0	5679.4	6099.1	6703.4	7315.2	7831.8	7960.5	7710.6	7339.4	7257.4
25°	5101.2	5138.5	5349.3	5802.5	6492.6	7283.5	8072.4	8355.9	8044.5	7578.2	7473.7
27.5°	4773.0	4787.9	5013.6	5474.3	6214.7	7201.4	8249.6	8719.7	8413.8	7775.9	7643.5
30°	4457.7	4493.2	4692.8	5147.9	5895.8	7041.0	8402.6	9133.7	8811.1	7982.9	7813.2
32.5°	4123.9	4166.8	4383.1	4843.8	5576.9	6800.4	8495.8	9587.0	9365.0	8318.6	8137.7
35°	3803.1	3831.1	4049.3	4496.9	5265.4	6520.6	8512.6	10098.0	10079.4	8827.8	8587.2
37.5°	3474.8	3515.8	3735.9	4164.9	4935.2	6224.1	8428.7	10640.8	10941.1	9534.7	9275.5
40°	3159.6	3195.0	3411.4	3844.1	4560.3	5862.2	8229.1	11136.9	11946.4	10262.2	9894.7
42.5°	2816.4	2825.7	3062.6	3502.8	4192.9	5442.6	7941.9	11579.0	13067.4	11237.6	10780.7
45°	2426.6	2450.8	2670.9	3103.6	3771.4	4972.5	7552.1	11944.5	14488.6	12589.9	11966.9
47.5°	2036.8	2057.3	2258.7	2685.8	3310.7	4433.5	6951.5	12265.3	15947.2	14307.7	13490.8
50°	1656.3	1667.5	1831.6	2210.2	2792.2	3866.5	6207.3	12367.9	17596.0	16739.9	15697.2
52.5°	1309.3	1326.1	1451.1	1747.7	2238.2	3196.9	5403.4	12114.3	19520.8	19623.4	18153.7
55°	1061.3	1066.9	1160.1	1378.4	1749.5	2495.6	4433.5	11407.4	21591.2	23318.3	21443.8
57.5°	913.9	917.7	969.9	1091.1	1346.7	1882.0	3439.4	10070.0	23450.7	27647.4	25237.6
60°	830.0	831.9	861.7	932.6	1066.9	1443.6	2463.9	8182.5	25286.1	32465.1	29952.7
62.5°	777.8	777.8	798.3	837.5	902.7	1107.9	1785.0	5903.3	26543.2	37353.7	35764.6
65°	727.4	727.4	742.3	770.3	805.8	906.5	1318.7	3849.7	26511.5	40914.3	41610.0
67.5°	669.6	669.6	680.8	708.8	729.3	779.6	1018.4	2521.7	23814.5	40836.0	44799.5
70°	600.6	600.6	615.5	639.8	656.5	688.2	803.9	1725.3	17495.3	34867.4	39841.8
72.5°	531.6	533.4	542.8	567.0	580.1	598.7	667.7	1208.6	10732.2	23741.7	27858.1
75°	455.1	458.8	468.2	492.4	503.6	511.1	563.3	861.7	5429.5	12800.6	14574.4
77.5°	367.4	374.9	380.5	406.6	414.1	425.3	464.4	623.0	2383.7	4599.5	4640.5
80°	268.6	277.9	294.7	318.9	324.5	332.0	354.4	442.0	1079.9	2100.2	2281.1
82.5°	197.7	210.8	190.2	222.0	222.0	212.6	249.9	296.6	496.1	2079.7	2488.1
85°	108.2	110.0	98.9	113.8	121.2	119.4	132.4	145.5	240.6	1387.7	1430.6
87.5°	26.1	28.0	29.8	35.4	42.9	42.9	46.6	41.0	78.3	449.5	257.4
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)