

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: P531786

Luminaire Tested: **GALN-SA7A-760-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531786  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7A-760-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28690 lumens  
Efficiency: N/A  
Efficacy: 133.4 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

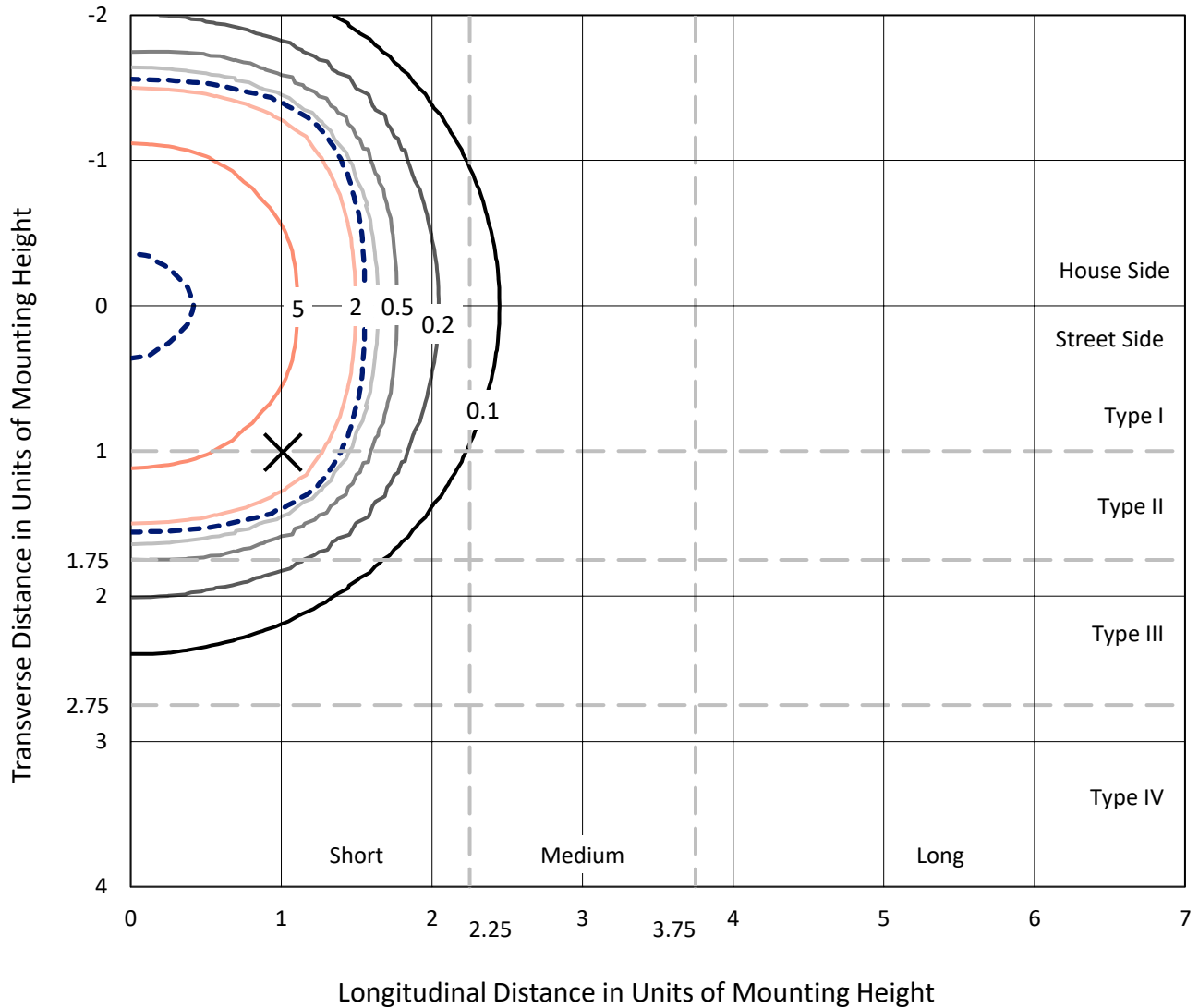
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

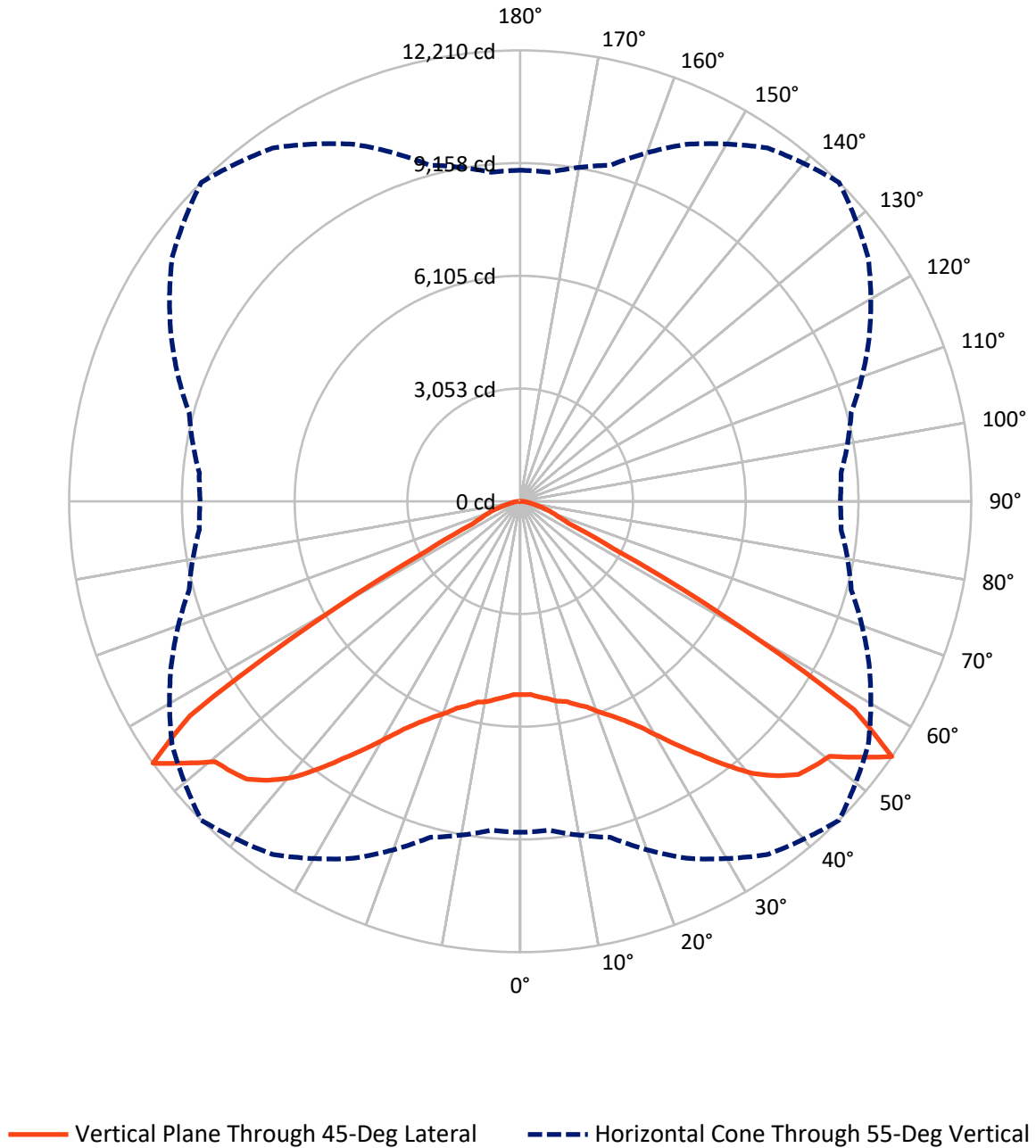
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	14345.0	0.0	14345.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14345.0	0.0	14345.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28690.0	0.0	28690.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	511.7	1.8
10°-20°	1621.4	5.7
20°-30°	3023.5	10.5
30°-40°	5062.3	17.6
40°-50°	7877.3	27.5
50°-60°	8179.1	28.5
60°-70°	1734.5	6.0
70°-80°	571.2	2.0
80°-90°	108.8	0.4
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°	28690.0	100.0
0°-180°	28690.0	100.0

**Coefficient of Utilization**

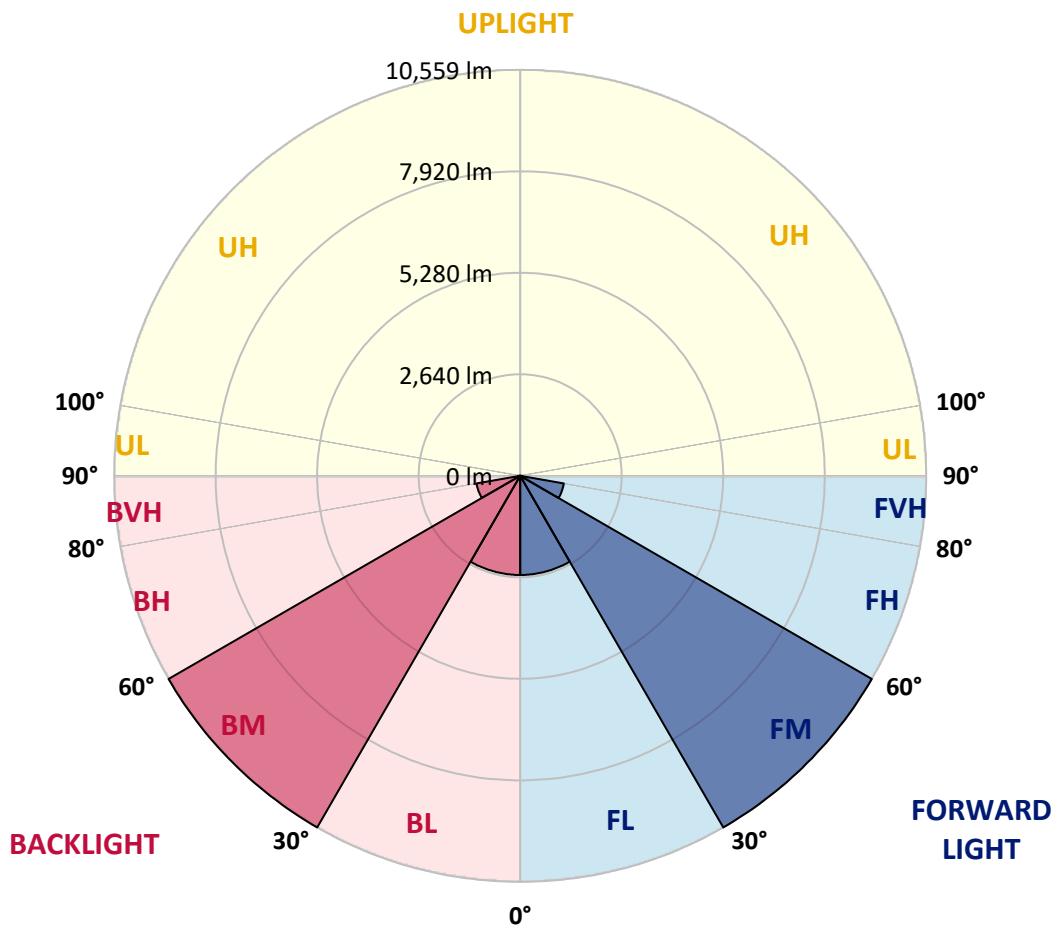


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2578.3	9.0			
FM (30°-60°)	10559.4	36.8			
FH (60°-80°)	1152.9	4.0			G1/1800
FVH (80°-90°)	54.4	0.2			G1/100
BL (0°-30°)	2578.3	9.0	B4/5000		
BM (30°-60°)	10559.4	36.8	B5		
BH (60°-80°)	1152.9	4.0	B3/2500		G1/1800
BVH (80°-90°)	54.4	0.2			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°	5238.4	5238.4	5238.4	5238.4	5238.4	5238.4	5238.4	5238.4	5238.4	5238.4	5238.4
2.5°	5300.8	5276.5	5234.9	5266.1	5290.4	5238.4	5259.2	5269.6	5262.6	5234.9	5245.3
5°	5377.0	5363.2	5328.5	5352.8	5321.6	5321.6	5300.8	5273.0	5314.6	5307.7	5325.0
7.5°	5377.0	5359.7	5429.0	5384.0	5397.8	5397.8	5363.2	5335.4	5356.2	5325.0	5307.7
10°	5484.5	5508.8	5477.6	5488.0	5481.0	5505.3	5453.3	5436.0	5418.6	5408.2	5387.4
12.5°	5612.8	5595.4	5605.8	5598.9	5623.2	5560.8	5529.6	5491.4	5522.6	5477.6	5508.8
15°	5716.8	5706.4	5716.8	5744.5	5720.3	5716.8	5661.3	5623.2	5574.6	5585.0	5536.5
17.5°	5858.9	5848.5	5852.0	5876.3	5872.8	5855.5	5813.9	5741.1	5723.7	5696.0	5664.8
20°	6070.4	6053.1	6046.1	6056.5	6073.9	6087.7	6004.5	5976.8	5917.9	5872.8	5820.8
22.5°	6250.7	6243.7	6271.5	6226.4	6264.5	6306.1	6226.4	6212.5	6066.9	6042.7	5987.2
25°	6500.3	6489.9	6472.6	6538.4	6583.5	6580.0	6503.8	6427.5	6316.5	6288.8	6288.8
27.5°	6763.8	6704.8	6795.0	6812.3	6892.0	6916.3	6850.4	6739.5	6635.5	6576.6	6590.4
30°	7093.1	7037.6	7058.4	7183.3	7287.3	7377.4	7211.0	7048.0	6902.4	6798.4	6781.1
32.5°	7422.5	7367.0	7429.4	7550.7	7758.7	7894.0	7731.0	7446.7	7276.9	7124.3	7155.5
35°	7689.4	7731.0	7831.5	8015.3	8230.2	8448.6	8188.6	7970.2	7727.5	7557.7	7581.9
37.5°	8119.3	8247.6	8327.3	8538.8	8843.9	9069.2	8798.8	8514.5	8254.5	8032.6	7956.4
40°	8680.9	8767.6	8857.7	9107.3	9467.9	9693.2	9436.7	9065.7	8809.2	8580.4	8570.0
42.5°	9298.0	9381.2	9474.8	9779.9	9994.8	10164.7	9929.0	9731.4	9447.1	9266.8	9256.4
45°	10015.6	9956.7	10060.7	10261.8	10442.1	10553.0	10400.5	10303.4	10098.8	9932.4	9915.1
47.5°	10494.1	10442.1	10629.3	10809.5	10837.3	10715.9	10747.1	10837.3	10622.3	10348.5	10435.1
50°	10771.4	10771.4	10896.2	11062.6	11010.6	10854.6	11100.8	11107.7	10892.8	10650.1	10650.1
52.5°	10289.5	10397.0	10750.6	11294.9	11468.2	11513.3	11457.8	11222.1	10660.5	10164.7	10140.5
55°	8965.2	8940.9	9419.4	10667.4	11676.3	12210.1	11502.9	10417.8	9277.2	8719.1	8663.6
57.5°	5831.2	5858.9	6573.1	7845.4	9665.5	10660.5	9467.9	7942.5	6573.1	5803.5	5876.3
60°	2624.4	2718.0	3151.3	4101.2	5664.8	6476.0	5678.7	4309.3	3307.3	2870.5	2908.7
62.5°	1508.1	1525.4	1542.7	1830.5	2412.9	2853.2	2506.5	1934.5	1705.7	1629.4	1629.4
65°	1272.3	1261.9	1265.4	1289.7	1352.1	1442.2	1404.1	1352.1	1359.0	1352.1	1341.7
67.5°	1081.6	1095.5	1085.1	1102.4	1105.9	1119.8	1144.1	1164.9	1168.3	1175.3	1168.3
70°	887.5	891.0	897.9	911.8	915.2	925.6	960.3	977.6	988.0	988.0	1001.9
72.5°	679.5	676.0	683.0	696.8	714.2	717.6	748.8	773.1	787.0	769.6	773.1
75°	447.2	450.7	461.1	471.5	495.8	520.0	530.4	554.7	558.2	565.1	547.8
77.5°	266.9	273.9	284.3	305.1	325.9	346.7	370.9	388.3	395.2	388.3	367.5
80°	173.3	173.3	187.2	204.5	228.8	246.1	260.0	273.9	284.3	273.9	266.9
82.5°	107.5	107.5	124.8	145.6	162.9	173.3	194.1	211.5	221.9	214.9	204.5
85°	55.5	58.9	72.8	90.1	104.0	110.9	107.5	97.1	86.7	83.2	76.3
87.5°	17.3	17.3	20.8	20.8	17.3	17.3	20.8	17.3	20.8	20.8	20.8
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)