

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: P532442

Luminaire Tested: **GALN-SA7D-740-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7D-740-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 47213 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

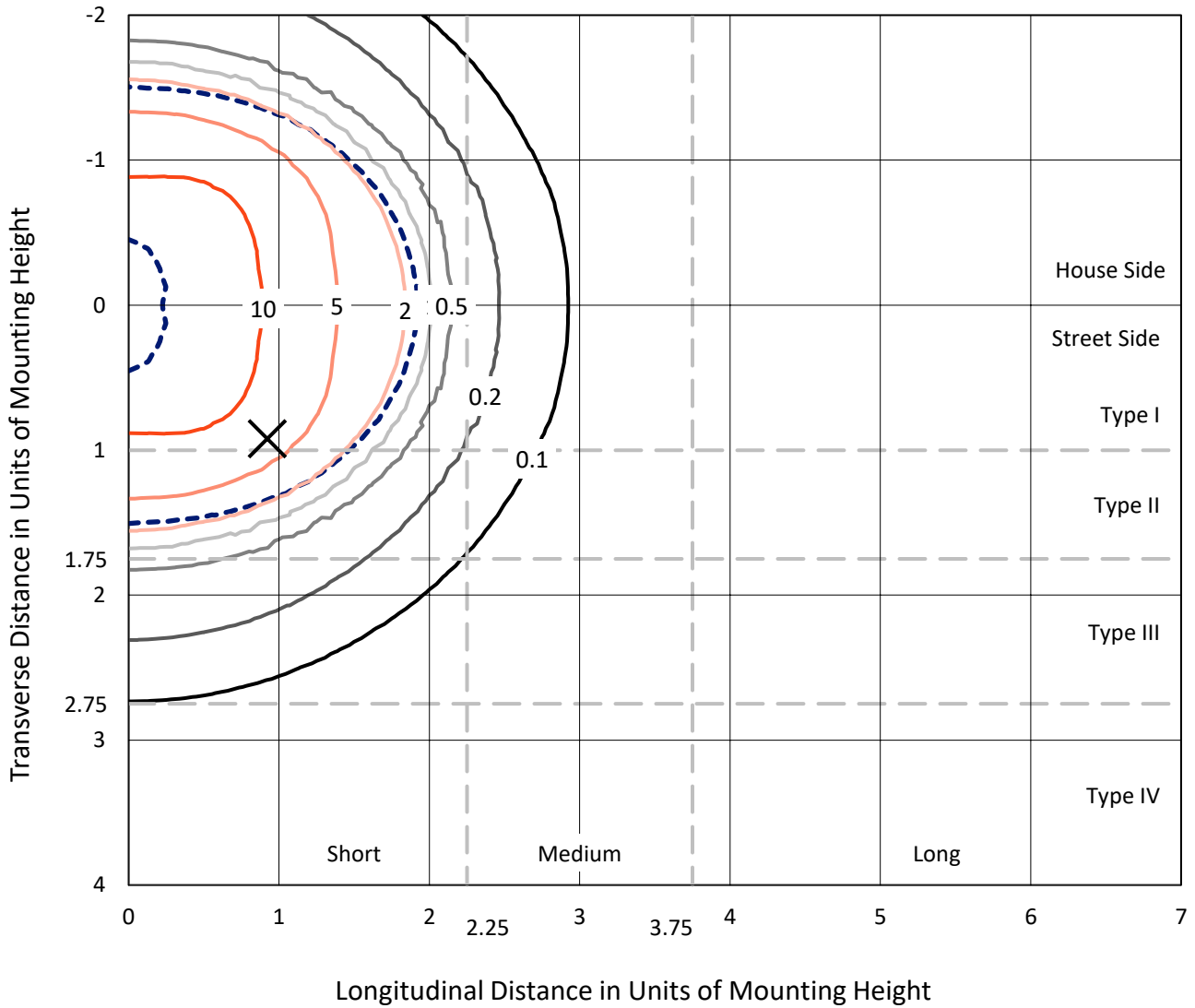
Input Watts (W): 433  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

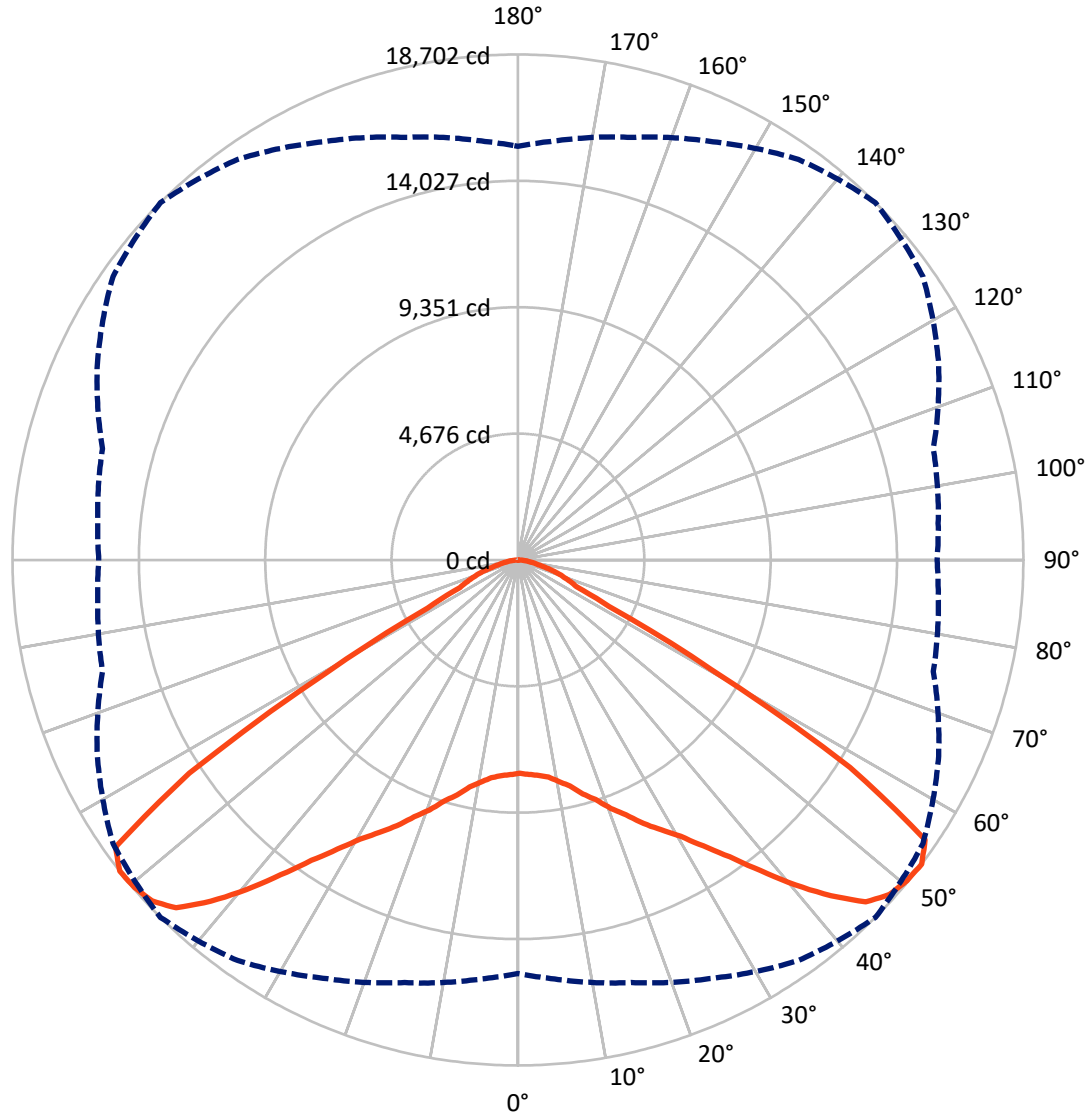
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	23606.5	0.0	23606.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23606.5	0.0	23606.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	47213.0	0.0	47213.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	775.4	1.6
10°-20°	2547.9	5.4
20°-30°	4850.8	10.3
30°-40°	8329.2	17.6
40°-50°	12802.2	27.1
50°-60°	13000.4	27.5
60°-70°	3623.0	7.7
70°-80°	1068.8	2.3
80°-90°	215.3	0.5
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°	47213.0	100.0
0°-180°	47213.0	100.0

**Coefficient of Utilization**

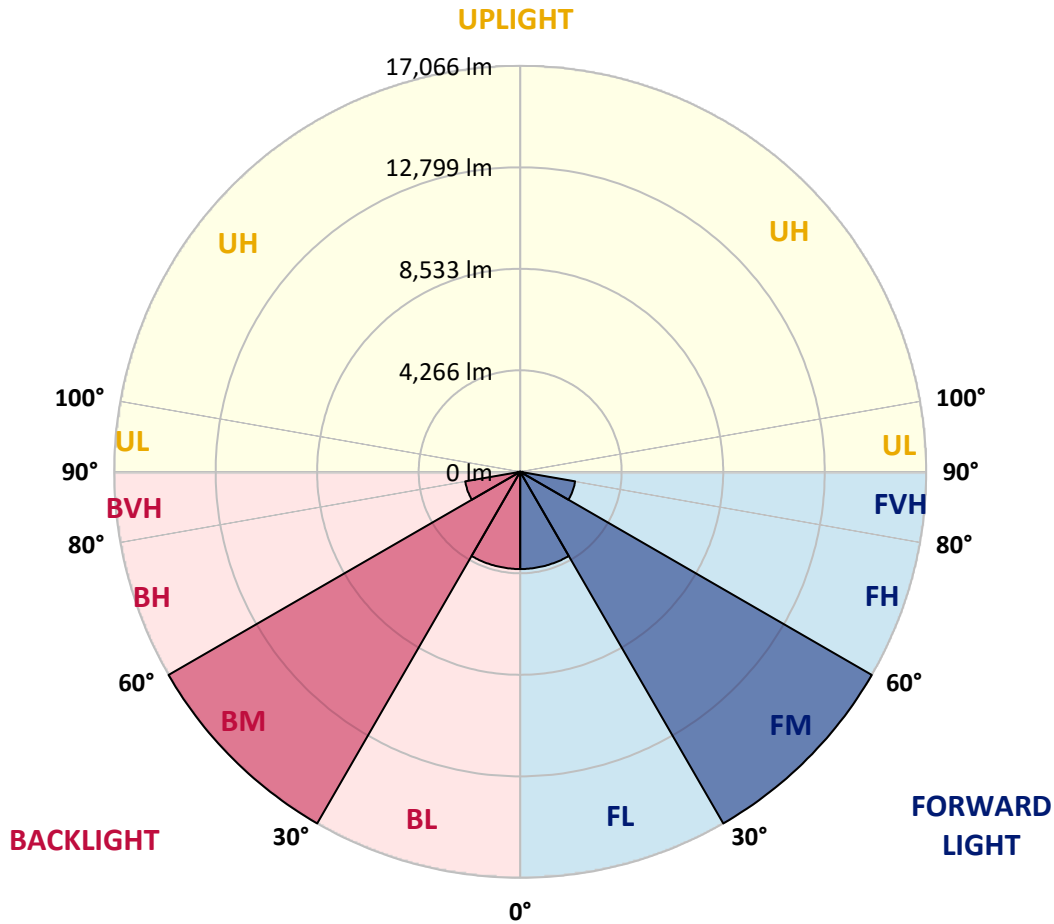


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4087.1	8.7			
FM (30°-60°)	17065.9	36.1			
FH (60°-80°)	2345.9	5.0			G2/5000
FVH (80°-90°)	107.6	0.2			G2/225
BL (0°-30°)	4087.1	8.7	B4/5000		
BM (30°-60°)	17065.9	36.1	B5		
BH (60°-80°)	2345.9	5.0	B3/2500		G2/5000
BVH (80°-90°)	107.6	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7892.3	7892.3	7892.3	7892.3	7892.3	7892.3	7892.3	7892.3	7892.3	7892.3	7892.3
2.5°	7909.9	7827.8	7857.1	7874.7	7950.9	7945.0	7927.4	7950.9	7974.3	7980.2	7968.4
5°	7904.0	7845.4	7868.8	7886.4	7962.6	8003.6	7991.9	8091.5	8161.8	8144.2	8232.1
7.5°	7857.1	7892.3	7863.0	7950.9	8015.3	8114.9	8220.4	8314.1	8402.0	8501.6	8519.2
10°	7962.6	7962.6	8015.3	8085.6	8255.5	8331.7	8484.0	8618.8	8788.7	8905.9	8859.0
12.5°	8073.9	8091.5	8091.5	8273.1	8413.7	8583.7	8724.3	8905.9	9146.1	9286.8	9357.1
15°	8185.2	8197.0	8255.5	8501.6	8712.6	8982.1	9111.0	9275.0	9409.8	9673.5	9679.3
17.5°	8284.8	8349.3	8525.1	8800.4	9064.1	9321.9	9527.0	9696.9	9814.1	9919.5	9896.1
20°	8659.8	8706.7	8888.3	9163.7	9556.3	9808.2	9878.5	9907.8	9984.0	10194.9	10130.5
22.5°	9023.1	9040.7	9210.6	9632.4	9907.8	10241.8	10318.0	10300.4	10329.7	10382.4	10476.2
25°	9398.1	9427.4	9661.7	10019.1	10405.9	10804.3	10868.7	10734.0	10692.9	10751.5	10757.4
27.5°	9878.5	9884.4	10183.2	10493.7	10933.2	11308.2	11407.8	11302.3	11108.9	11155.8	11232.0
30°	10487.9	10446.9	10745.7	11191.0	11653.8	11864.8	12034.7	11982.0	11771.0	11730.0	11665.6
32.5°	11191.0	11202.7	11472.2	11958.5	12263.2	12614.8	12796.4	12708.5	12573.7	12503.4	12544.4
35°	12181.2	12233.9	12415.5	12819.8	13312.0	13487.8	13774.9	13587.4	13235.8	13323.7	13399.9
37.5°	12995.6	13147.9	13487.8	13968.2	14261.2	14583.4	14688.9	14436.9	14179.1	14073.7	14325.6
40°	14243.6	14196.7	14571.7	15052.2	15485.7	15808.0	15673.2	15421.3	14782.6	14788.5	14858.8
42.5°	15315.8	15339.3	15626.4	16200.5	16792.3	16991.5	16563.8	15948.6	15239.6	15163.5	15315.8
45°	16218.1	16311.9	16475.9	17243.5	17823.5	18040.3	17249.3	16522.8	15573.6	15257.2	15509.2
47.5°	16540.4	16692.7	17050.1	17753.2	18327.4	18503.2	17870.4	16827.5	15884.2	15368.6	15503.3
50°	16587.3	16534.5	17120.4	17764.9	18268.8	18649.7	18093.1	17050.1	15808.0	15538.5	15497.5
52.5°	15304.1	15561.9	16188.8	17073.6	18093.1	18702.4	18292.3	17173.2	15913.5	15608.8	15509.2
55°	12386.2	12081.6	13224.1	14712.3	16587.3	18280.5	18222.0	17237.6	15977.9	15726.0	15591.2
57.5°	6913.8	7001.7	7646.2	9263.3	11683.1	14495.5	16200.5	16558.0	15948.6	15802.1	15872.4
60°	3199.1	3228.4	3503.8	4259.6	5759.5	8220.4	10464.4	12743.7	13792.4	14003.4	14003.4
62.5°	2384.7	2373.0	2443.3	2578.0	2894.4	3779.2	5044.7	6855.2	8296.6	9304.3	9568.0
65°	2156.2	2150.3	2185.5	2232.3	2255.8	2378.8	2660.1	3216.7	3685.4	3954.9	3908.1
67.5°	1886.6	1880.8	1892.5	1921.8	1962.8	2027.3	2097.6	2214.8	2378.8	2367.1	2337.8
70°	1523.4	1523.4	1541.0	1564.4	1611.3	1687.4	1769.5	1851.5	1992.1	2021.4	2015.5
72.5°	1125.0	1107.4	1142.5	1189.4	1236.3	1330.0	1417.9	1494.1	1593.7	1623.0	1611.3
75°	714.8	726.5	750.0	802.7	884.7	949.2	1042.9	1107.4	1171.8	1195.3	1201.1
77.5°	398.4	410.1	451.2	515.6	597.6	667.9	750.0	802.7	843.7	849.6	855.4
80°	240.2	246.1	287.1	345.7	416.0	492.2	556.6	609.4	644.5	626.9	621.1
82.5°	146.5	152.3	187.5	240.2	298.8	357.4	427.7	474.6	509.7	486.3	462.9
85°	76.2	82.0	111.3	146.5	193.4	222.6	222.6	199.2	193.4	181.6	175.8
87.5°	23.4	23.4	29.3	35.2	29.3	35.2	41.0	46.9	46.9	52.7	46.9
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)