

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: P533266

Luminaire Tested: **GALN-SA8D-722-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533266  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8D-722-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2200K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

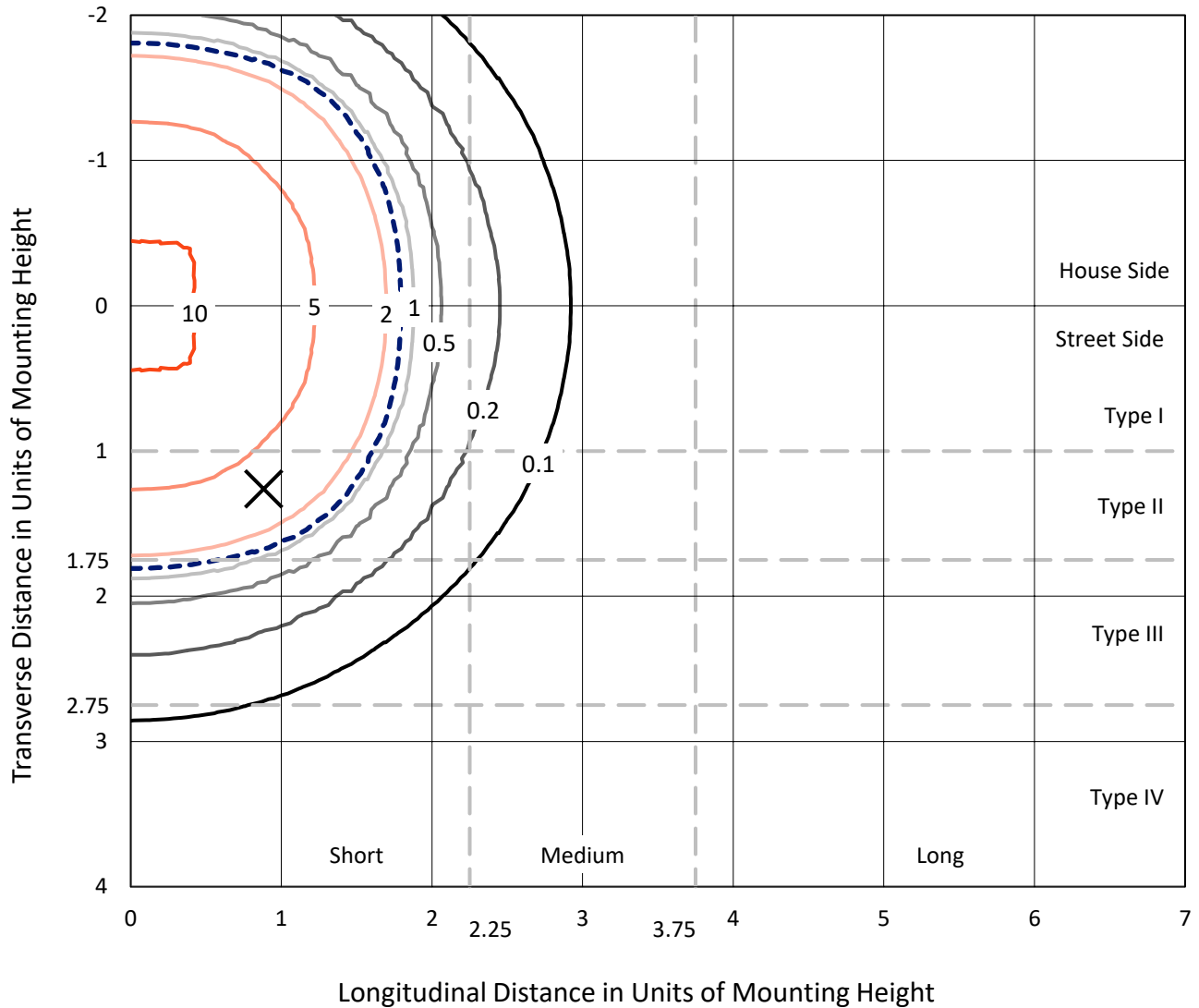
Lumens per Lamp: N/A  
Luminaire Lumens: 40533 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 493  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

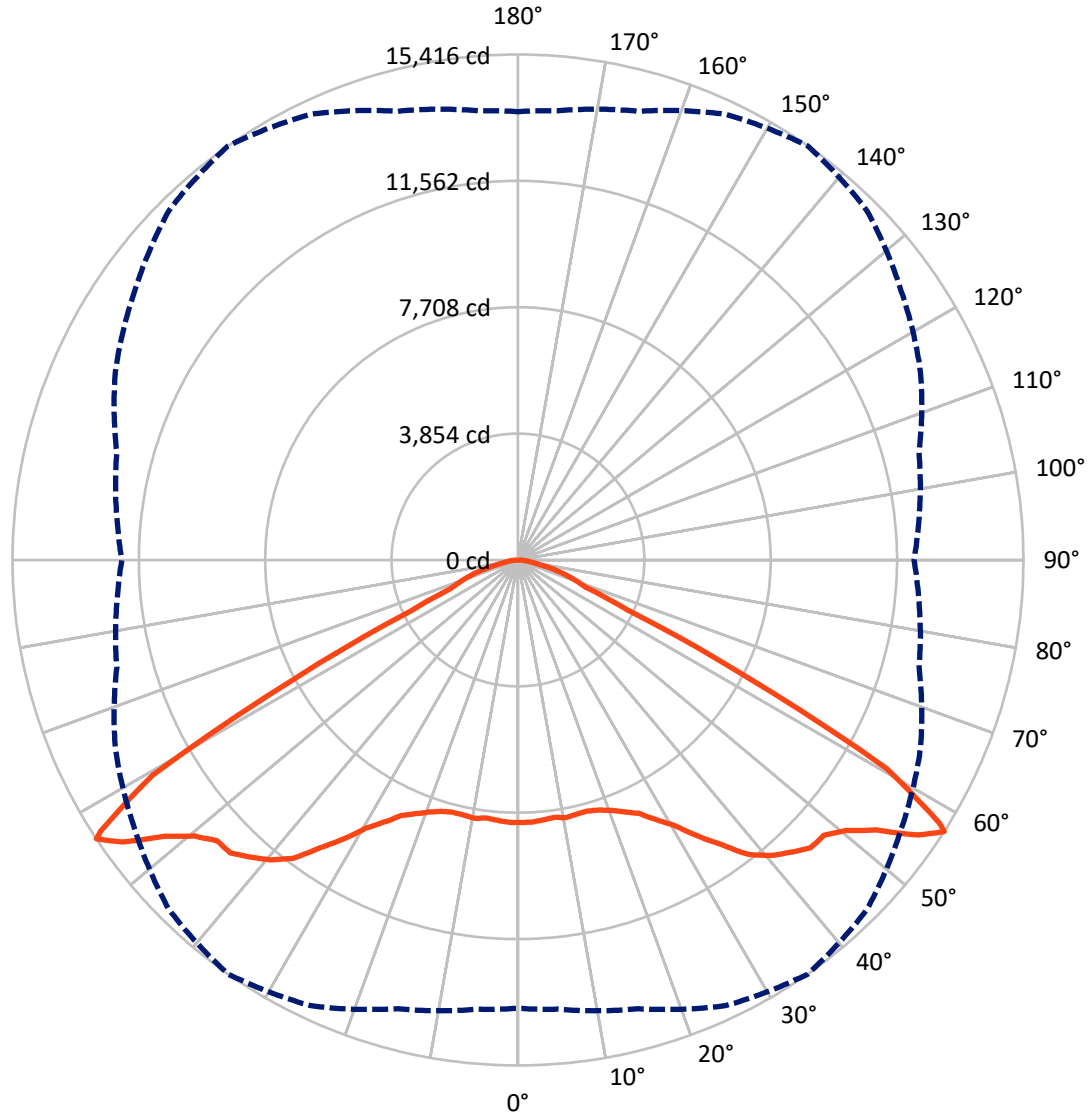
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20266.5	0.0	20266.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20266.5	0.0	20266.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40533.0	0.0	40533.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	758.9	1.9
10°-20°	2247.6	5.5
20°-30°	3925.5	9.7
30°-40°	6432.0	15.9
40°-50°	9430.9	23.3
50°-60°	11878.9	29.3
60°-70°	4467.6	11.0
70°-80°	1187.9	2.9
80°-90°	203.7	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°	40533.0	100.0
0°-180°	40533.0	100.0

**Coefficient of Utilization**



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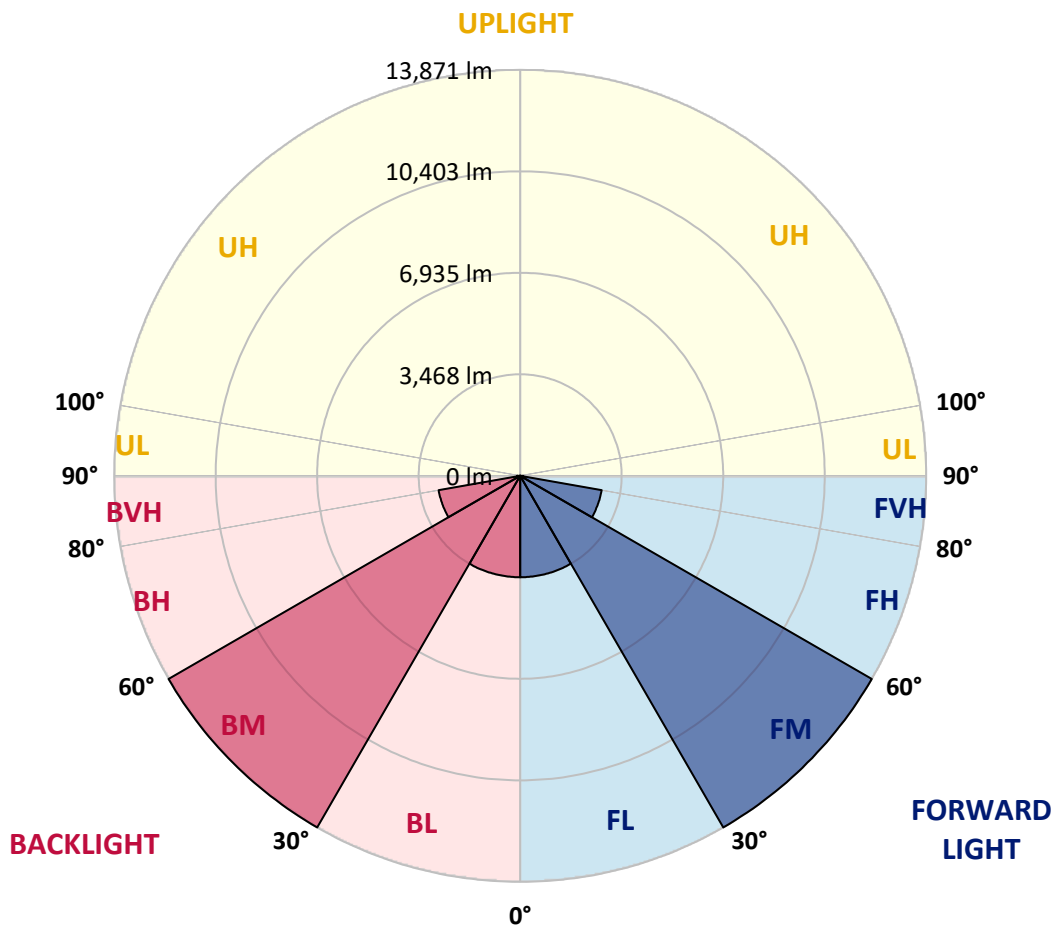
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3466.0	8.6			
FM (30°-60°)	13870.9	34.2			
FH (60°-80°)	2827.7	7.0			G2/5000
FVH (80°-90°)	101.8	0.3			G2/225
BL (0°-30°)	3466.0	8.6	B4/5000		
BM (30°-60°)	13870.9	34.2	B5		
BH (60°-80°)	2827.7	7.0	B4/5000		G2/5000
BVH (80°-90°)	101.8	0.3			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°	8005.0	8005.0	8005.0	8005.0	8005.0	8005.0	8005.0	8005.0	8005.0	8005.0	8005.0
2.5°	7965.0	8044.9	8010.0	7990.0	8005.0	7980.0	7940.1	7985.0	7975.0	7935.1	7920.1
5°	7945.0	8005.0	7965.0	8005.0	7965.0	8034.9	8015.0	7940.1	8029.9	7945.0	7975.0
7.5°	7930.1	7950.0	7960.0	7940.1	7925.1	8010.0	7965.0	7930.1	7880.1	7865.1	7890.1
10°	7895.1	7945.0	7870.1	7970.0	7990.0	7930.1	7930.1	7865.1	7825.2	7800.2	7885.1
12.5°	7985.0	7900.1	7890.1	7940.1	7955.0	7980.0	7910.1	7875.1	7800.2	7810.2	7795.2
15°	7880.1	7915.1	7920.1	7930.1	7945.0	8005.0	7940.1	7865.1	7835.2	7730.3	7740.3
17.5°	7920.1	7885.1	7920.1	8034.9	8015.0	8059.9	7990.0	7875.1	7805.2	7745.3	7825.2
20°	7990.0	7975.0	7990.0	8129.8	8154.8	8194.7	8134.8	8029.9	7895.1	7825.2	7865.1
22.5°	8064.9	8054.9	8064.9	8199.7	8344.5	8394.5	8334.6	8089.9	8020.0	7890.1	7845.2
25°	8199.7	8209.7	8314.6	8464.4	8559.3	8654.2	8544.3	8369.5	8144.8	8064.9	7970.0
27.5°	8499.3	8524.3	8584.2	8804.0	8968.8	9053.7	8898.8	8659.1	8519.3	8354.5	8329.6
30°	8868.9	8868.9	8973.8	9163.5	9388.2	9518.1	9328.3	9043.7	8873.9	8784.0	8729.1
32.5°	9358.3	9303.3	9343.3	9677.9	10027.4	10137.3	9882.6	9533.1	9263.4	9143.5	9103.6
35°	9777.7	9812.7	9902.6	10262.1	10651.7	10906.3	10506.8	10052.4	9777.7	9667.9	9647.9
37.5°	10322.1	10382.0	10426.9	10921.3	11390.7	11485.6	11101.1	10736.5	10402.0	10312.1	10262.1
40°	11091.1	11051.2	11066.1	11430.7	11855.1	11915.1	11535.5	11275.9	11001.2	10946.3	10946.3
42.5°	11725.3	11680.4	11730.3	11865.1	12189.7	12144.8	11935.0	11745.3	11630.4	11570.5	11630.4
45°	12109.8	12099.8	12189.7	12289.6	12519.3	12369.5	12204.7	12234.7	12124.8	12024.9	12019.9
47.5°	12529.3	12464.4	12574.2	12724.1	12549.3	12479.4	12469.4	12534.3	12499.3	12324.6	12269.6
50°	12734.0	12709.1	12883.9	13058.6	12963.8	12804.0	12838.9	12943.8	12494.3	12259.6	12124.8
52.5°	13283.4	13288.3	13622.9	13717.8	13677.9	13443.2	13518.1	13233.4	12704.1	12374.5	12389.5
55°	14147.3	14112.3	14486.8	14766.5	14811.4	14511.8	14152.3	13752.8	13088.6	12754.0	12654.1
57°	13672.9	13752.8	14167.2	14996.2	15415.7	15061.1	14277.1	13548.0	12664.1	12259.6	12079.9
57.5°	13038.7	13168.5	13887.6	14721.6	15161.0	15131.0	14122.3	13168.5	12379.5	11750.3	11765.3
60°	9553.0	9578.0	10227.2	11550.5	12923.8	12953.8	11725.3	10461.9	9583.0	8898.8	8993.7
62.5°	5038.7	5153.5	5413.2	6476.9	7665.4	7955.0	7211.0	6561.8	5802.7	5283.4	5333.3
65°	2666.7	2651.7	2776.5	3076.1	3660.4	3810.2	3710.4	3196.0	2931.3	2846.4	2851.4
67.5°	2167.3	2192.3	2177.3	2192.3	2232.2	2297.1	2282.1	2302.1	2317.1	2342.1	2337.1
70°	1837.7	1837.7	1847.7	1852.7	1852.7	1882.6	1917.6	1982.5	1987.5	2012.5	2022.5
72.5°	1448.2	1438.2	1453.2	1488.1	1493.1	1518.1	1568.0	1608.0	1623.0	1623.0	1593.0
75°	983.8	993.8	1013.7	1043.7	1073.7	1118.6	1158.5	1183.5	1193.5	1178.5	1163.5
77.5°	554.3	564.3	579.3	624.2	659.2	699.1	744.1	769.0	794.0	799.0	769.0
80°	329.6	329.6	354.6	389.5	429.5	469.4	509.4	539.3	549.3	549.3	534.3
82.5°	199.7	204.7	224.7	259.7	294.6	319.6	354.6	379.5	399.5	394.5	384.5
85°	104.9	104.9	124.8	154.8	179.8	204.7	204.7	189.8	179.8	154.8	144.8
87.5°	35.0	30.0	39.9	39.9	35.0	39.9	39.9	44.9	44.9	44.9	44.9
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)