

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: P526509

Luminaire Tested: **GALN-SA1C-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526509  
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-SA1C-727-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3103 lumens  
Efficiency: N/A  
Efficacy: 54.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

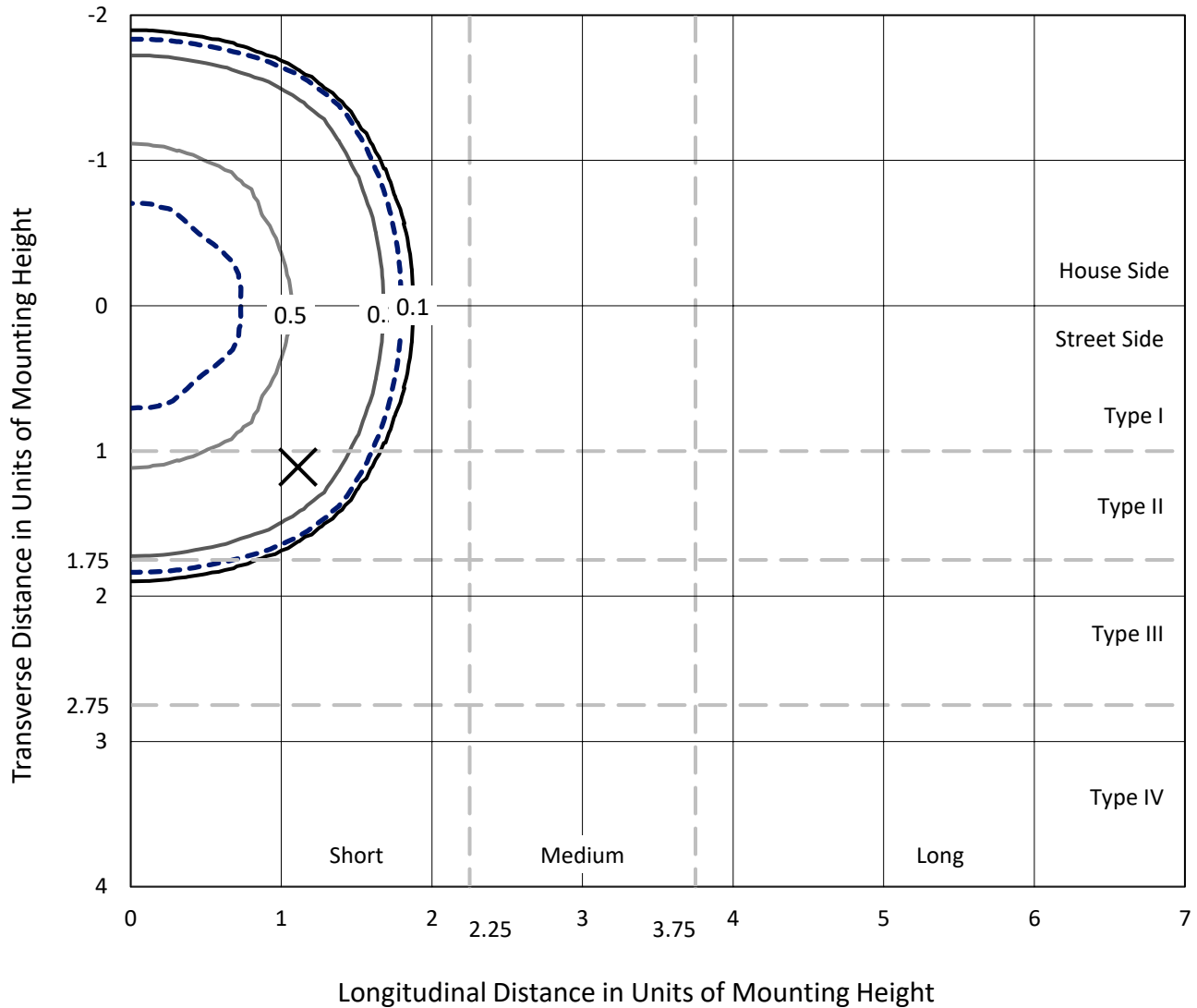
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

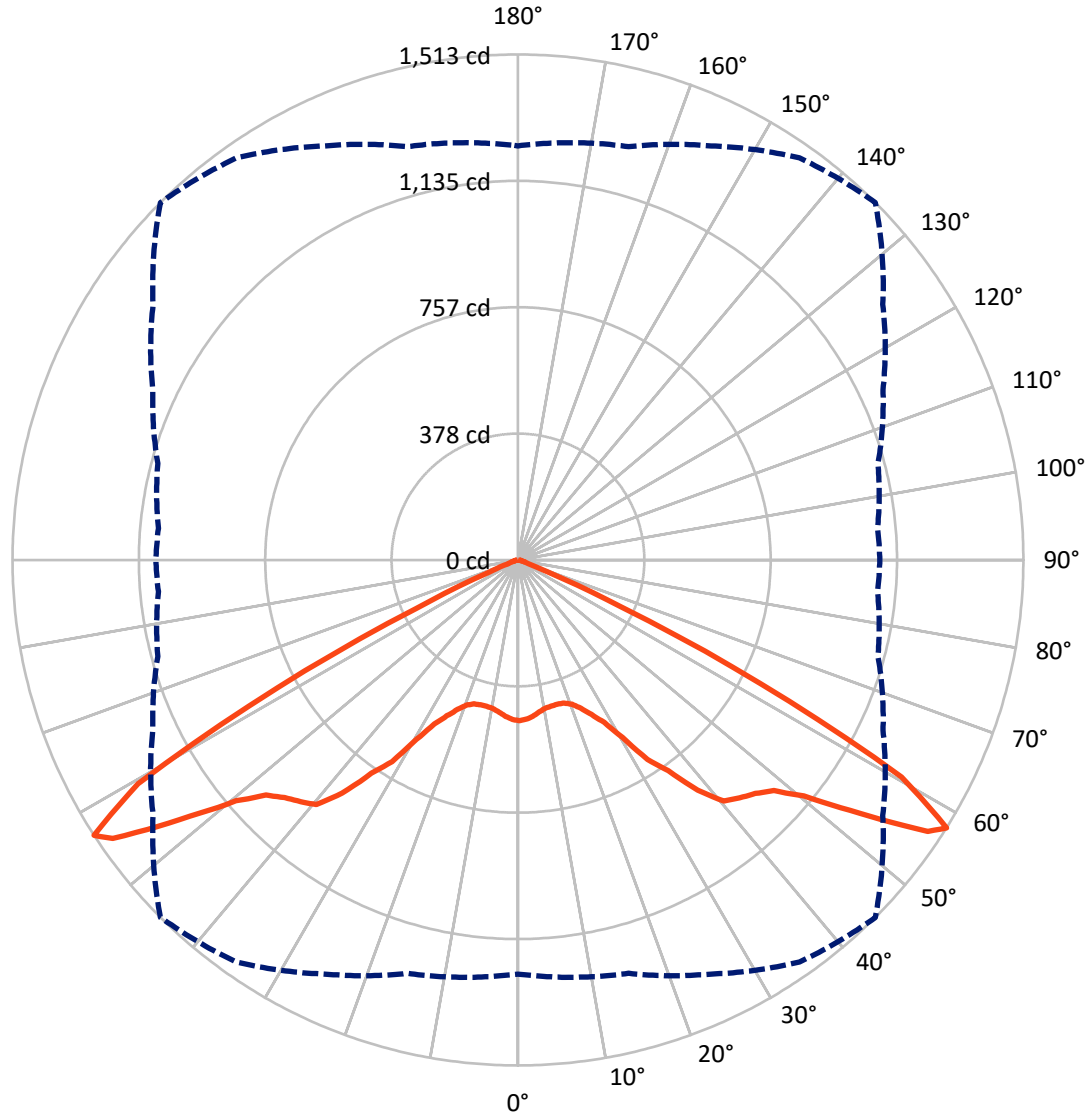
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1551.5	0.0	1551.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1551.5	0.0	1551.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3103.0	0.0	3103.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.2	1.4
10°-20°	127.8	4.1
20°-30°	236.0	7.6
30°-40°	464.1	15.0
40°-50°	755.9	24.4
50°-60°	1078.0	34.7
60°-70°	373.2	12.0
70°-80°	20.0	0.6
80°-90°	3.8	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°	3103.0	100.0
0°-180°	3103.0	100.0

**Coefficient of Utilization**



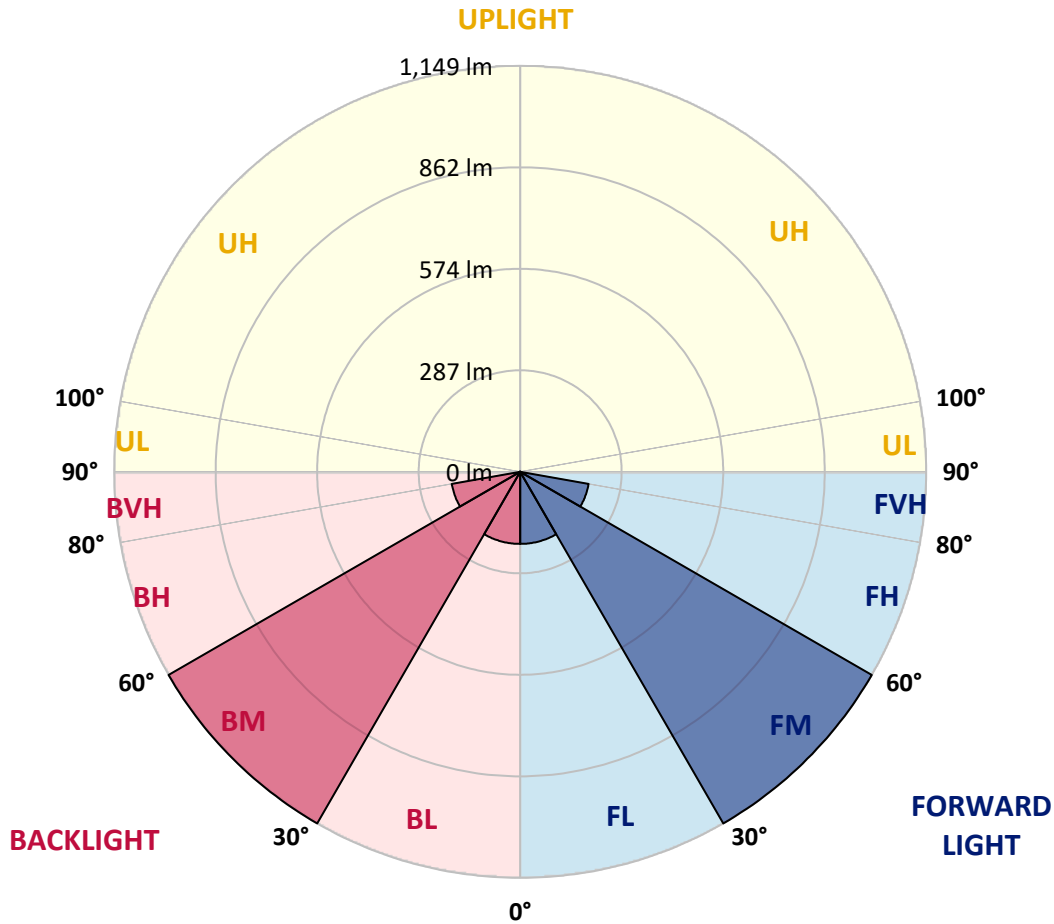
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.0	6.6			
FM (30°-60°)	1149.0	37.0			
FH (60°-80°)	196.6	6.3			G0/660
FVH (80°-90°)	1.9	0.1			G0/10
BL (0°-30°)	204.0	6.6	B1/500		
BM (30°-60°)	1149.0	37.0	B2/2500		
BH (60°-80°)	196.6	6.3	B1/500		G0/660
BVH (80°-90°)	1.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3
2.5°	480.0	482.6	479.4	478.1	477.4	477.4	475.5	475.5	474.8	475.5	472.9
5°	472.3	474.8	474.8	474.2	470.3	469.7	467.7	466.4	467.1	464.5	466.4
7.5°	464.5	466.4	463.8	463.2	461.9	459.3	458.7	452.8	453.5	453.5	454.8
10°	463.2	462.5	458.7	455.4	451.5	450.9	449.0	447.7	447.7	447.0	449.0
12.5°	463.2	460.0	459.3	452.2	445.7	448.3	443.1	439.9	444.4	445.7	448.3
15°	462.5	465.8	454.8	451.5	447.0	447.7	443.1	439.9	442.5	443.8	445.7
17.5°	466.4	464.5	461.3	454.8	452.8	450.3	444.4	441.8	441.8	445.1	445.7
20°	476.8	471.6	465.1	461.9	463.8	460.6	453.5	443.8	446.4	449.0	450.9
22.5°	486.5	482.6	478.1	476.1	487.1	482.0	469.7	458.7	454.8	459.3	462.5
25°	505.2	505.2	496.8	499.4	511.7	512.4	498.1	478.7	476.1	478.1	479.4
27.5°	543.4	545.4	538.2	540.8	546.0	550.5	538.2	522.1	516.2	515.6	517.5
30°	584.8	588.7	588.0	599.0	613.9	616.5	598.4	571.9	554.4	551.2	553.8
32.5°	639.2	641.1	639.8	652.7	692.9	711.6	664.4	626.9	603.6	609.4	603.6
35°	741.4	739.4	725.2	727.8	760.8	774.4	729.1	705.1	694.1	705.8	703.2
37.5°	829.4	822.2	810.6	827.4	861.7	874.0	826.8	784.7	764.7	784.1	792.5
40°	903.7	885.6	869.5	886.3	932.2	949.0	879.8	845.5	837.8	852.0	870.1
42.5°	966.5	954.9	933.5	934.8	965.2	973.0	917.3	897.3	889.5	912.2	921.2
45°	1011.1	1000.1	980.1	978.8	1002.1	996.9	947.1	933.5	938.0	952.9	957.4
47.5°	1033.8	1039.6	1028.0	1031.2	1043.5	1031.2	991.7	991.7	981.4	990.4	985.9
50°	1099.1	1081.0	1095.9	1095.9	1108.8	1110.1	1070.7	1056.4	1028.6	1013.1	1013.1
52.5°	1175.5	1176.7	1182.6	1203.9	1225.9	1244.7	1188.4	1127.6	1081.0	1060.9	1058.4
55°	1238.2	1251.1	1274.4	1314.5	1377.9	1403.8	1306.8	1198.1	1141.2	1110.1	1103.6
56°	1272.5	1260.2	1300.3	1355.3	1438.1	1471.7	1326.2	1212.3	1149.6	1114.6	1114.0
57.5°	1239.5	1253.1	1280.9	1367.6	1469.2	1513.1	1333.3	1205.9	1115.9	1080.4	1083.6
60°	978.8	991.7	1029.2	1126.3	1285.4	1319.7	1128.2	994.3	914.1	863.0	863.6
62.5°	553.8	563.5	592.6	682.5	781.5	814.5	703.2	613.9	558.3	529.8	520.8
65°	203.8	199.9	204.4	250.4	311.2	339.0	292.4	247.1	218.0	207.7	203.8
67.5°	76.3	70.5	66.0	70.5	88.6	93.8	86.0	71.8	67.3	69.2	70.5
70°	47.2	44.6	35.6	33.6	33.0	32.3	34.3	36.2	41.4	48.5	49.8
72.5°	33.0	31.1	25.2	23.9	22.6	22.0	25.2	27.8	32.3	37.5	38.2
75°	12.9	13.6	12.9	14.2	14.9	15.5	18.1	20.1	22.0	22.0	21.3
77.5°	2.6	2.6	3.9	5.2	6.5	8.4	12.3	14.2	14.9	14.2	12.3
80°	0.0	0.0	1.3	2.6	5.2	7.1	11.0	12.3	13.6	12.3	9.7
82.5°	0.0	0.0	1.3	3.2	5.2	6.5	10.4	12.9	14.9	13.6	10.4
85°	0.0	0.0	1.3	2.6	3.9	4.5	4.5	3.2	3.2	1.9	1.3
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)