

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: P526119

Luminaire Tested: **GALN-SA1A-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526119
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-SA1A-740-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 615mA 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: 2414 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

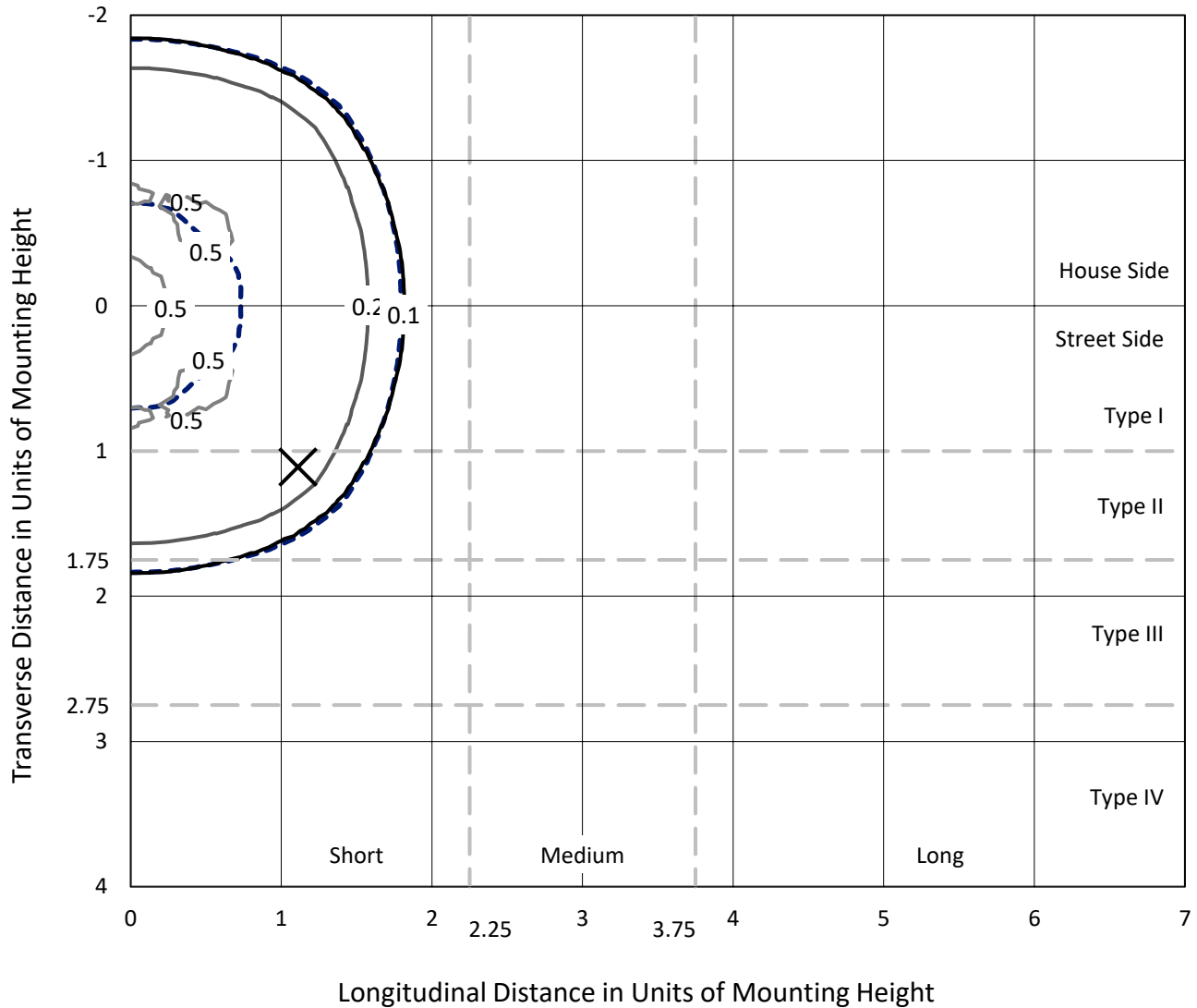
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526119
 CATALOG NUMBER: GALN-SA1A-740-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

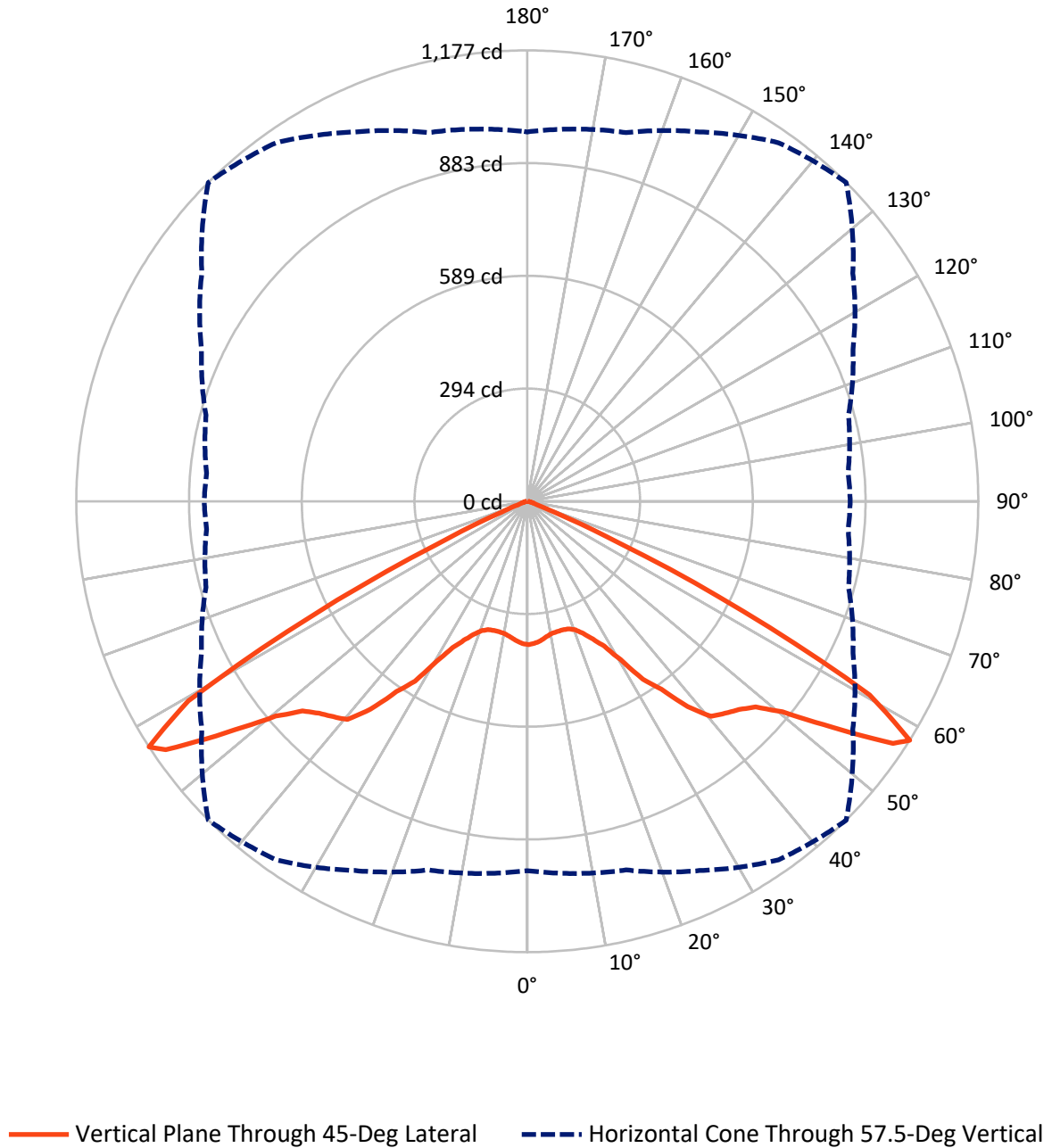
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

REPORT NUMBER: P526119
CATALOG NUMBER: GALN-SA1A-740-U-5WQ-GRSBK

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1207.0	0.0	1207.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1207.0	0.0	1207.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2414.0	0.0	2414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	1.4
10°-20°	99.5	4.1
20°-30°	183.6	7.6
30°-40°	361.0	15.0
40°-50°	588.0	24.4
50°-60°	838.6	34.7
60°-70°	290.4	12.0
70°-80°	15.6	0.6
80°-90°	2.9	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°	2414.0	100.0
0°-180°	2414.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526119

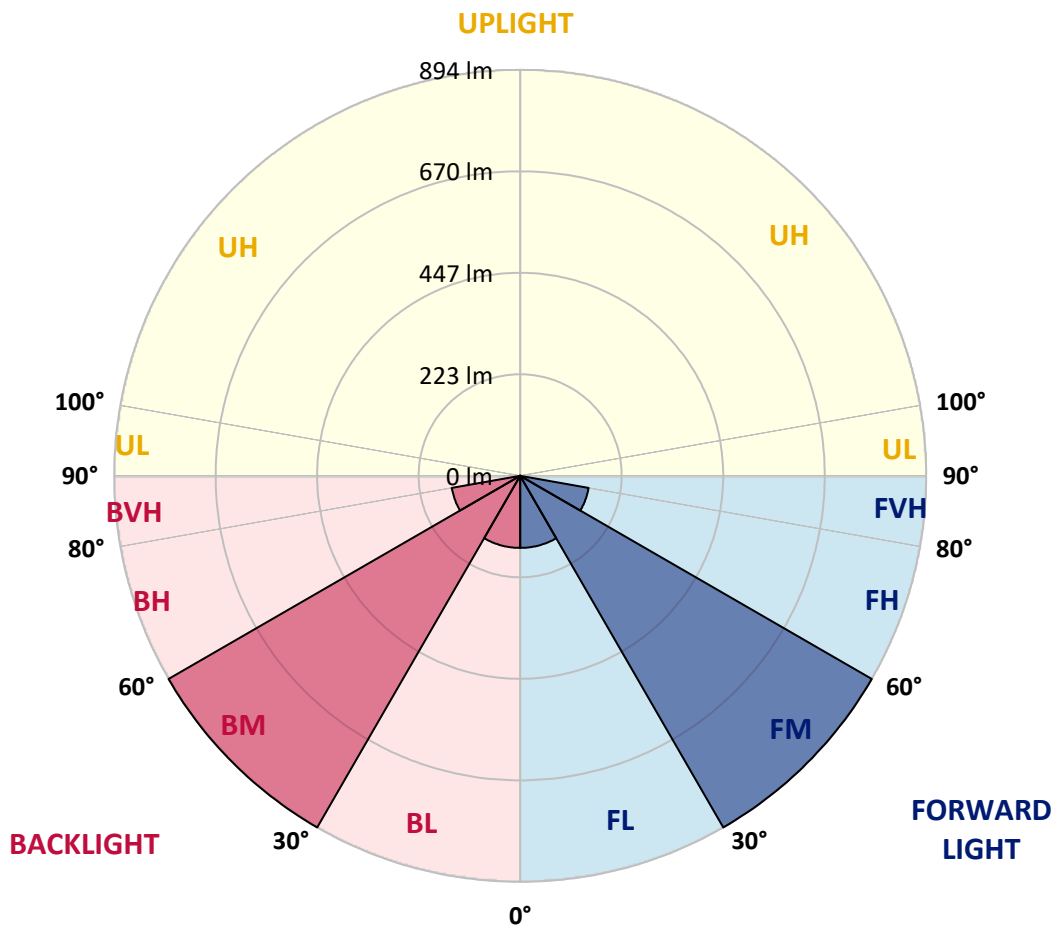
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	158.7	6.6			
FM (30°-60°)	893.8	37.0			
FH (60°-80°)	153.0	6.3			G0/660
FVH (80°-90°)	1.5	0.1			G0/10
BL (0°-30°)	158.7	6.6	B1/500		
BM (30°-60°)	893.8	37.0	B1/1000		
BH (60°-80°)	153.0	6.3	B1/500		G0/660
BVH (80°-90°)	1.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4
2.5°	373.4	375.4	372.9	371.9	371.4	371.4	369.9	369.9	369.4	369.9	367.9
5°	367.4	369.4	369.4	368.9	365.9	365.4	363.9	362.9	363.4	361.4	362.9
7.5°	361.4	362.9	360.8	360.3	359.3	357.3	356.8	352.3	352.8	352.8	353.8
10°	360.3	359.8	356.8	354.3	351.3	350.8	349.3	348.3	348.3	347.8	349.3
12.5°	360.3	357.8	357.3	351.8	346.8	348.8	344.7	342.2	345.7	346.8	348.8
15°	359.8	362.4	353.8	351.3	347.8	348.3	344.7	342.2	344.2	345.2	346.8
17.5°	362.9	361.4	358.8	353.8	352.3	350.3	345.7	343.7	343.7	346.3	346.8
20°	370.9	366.9	361.9	359.3	360.8	358.3	352.8	345.2	347.3	349.3	350.8
22.5°	378.5	375.4	371.9	370.4	379.0	374.9	365.4	356.8	353.8	357.3	359.8
25°	393.1	393.1	386.5	388.5	398.1	398.6	387.5	372.4	370.4	371.9	372.9
27.5°	422.8	424.3	418.7	420.7	424.8	428.3	418.7	406.1	401.6	401.1	402.6
30°	455.0	458.0	457.5	466.0	477.6	479.6	465.5	444.9	431.3	428.8	430.8
32.5°	497.2	498.7	497.7	507.8	539.0	553.6	516.9	487.7	469.6	474.1	469.6
35°	576.8	575.2	564.2	566.2	591.9	602.4	567.2	548.6	540.0	549.1	547.1
37.5°	645.2	639.7	630.6	643.7	670.4	679.9	643.2	610.5	594.9	610.0	616.5
40°	703.1	689.0	676.4	689.5	725.2	738.3	684.5	657.8	651.7	662.8	676.9
42.5°	751.9	742.8	726.2	727.2	750.9	756.9	713.6	698.0	692.0	709.6	716.7
45°	786.6	778.1	762.5	761.5	779.6	775.5	736.8	726.2	729.7	741.3	744.8
47.5°	804.2	808.8	799.7	802.2	811.8	802.2	771.5	771.5	763.5	770.5	767.0
50°	855.1	841.0	852.5	852.5	862.6	863.6	832.9	821.8	800.2	788.1	788.1
52.5°	914.5	915.5	920.0	936.6	953.7	968.3	924.5	877.2	841.0	825.4	823.4
55°	963.3	973.3	991.5	1022.7	1072.0	1092.1	1016.6	932.1	887.8	863.6	858.6
56°	989.9	980.4	1011.6	1054.4	1118.8	1145.0	1031.7	943.1	894.3	867.1	866.6
57.5°	964.3	974.8	996.5	1063.9	1142.9	1177.2	1037.2	938.1	868.1	840.5	843.0
60°	761.5	771.5	800.7	876.2	1000.0	1026.7	877.7	773.5	711.1	671.4	671.9
62.5°	430.8	438.4	461.0	531.0	608.0	633.6	547.1	477.6	434.3	412.2	405.1
65°	158.5	155.5	159.0	194.8	242.1	263.7	227.5	192.3	169.6	161.6	158.5
67.5°	59.4	54.9	51.3	54.9	68.9	73.0	66.9	55.9	52.3	53.9	54.9
70°	36.7	34.7	27.7	26.2	25.7	25.2	26.7	28.2	32.2	37.7	38.8
72.5°	25.7	24.2	19.6	18.6	17.6	17.1	19.6	21.6	25.2	29.2	29.7
75°	10.1	10.6	10.1	11.1	11.6	12.1	14.1	15.6	17.1	17.1	16.6
77.5°	2.0	2.0	3.0	4.0	5.0	6.5	9.6	11.1	11.6	11.1	9.6
80°	0.0	0.0	1.0	2.0	4.0	5.5	8.6	9.6	10.6	9.6	7.5
82.5°	0.0	0.0	1.0	2.5	4.0	5.0	8.1	10.1	11.6	10.6	8.1
85°	0.0	0.0	1.0	2.0	3.0	3.5	3.5	2.5	2.5	1.5	1.0
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)