

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: P651666

Luminaire Tested: **GALN-SA1A-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2514.6 lumens
Efficiency: N/A
Efficacy: 76.2 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

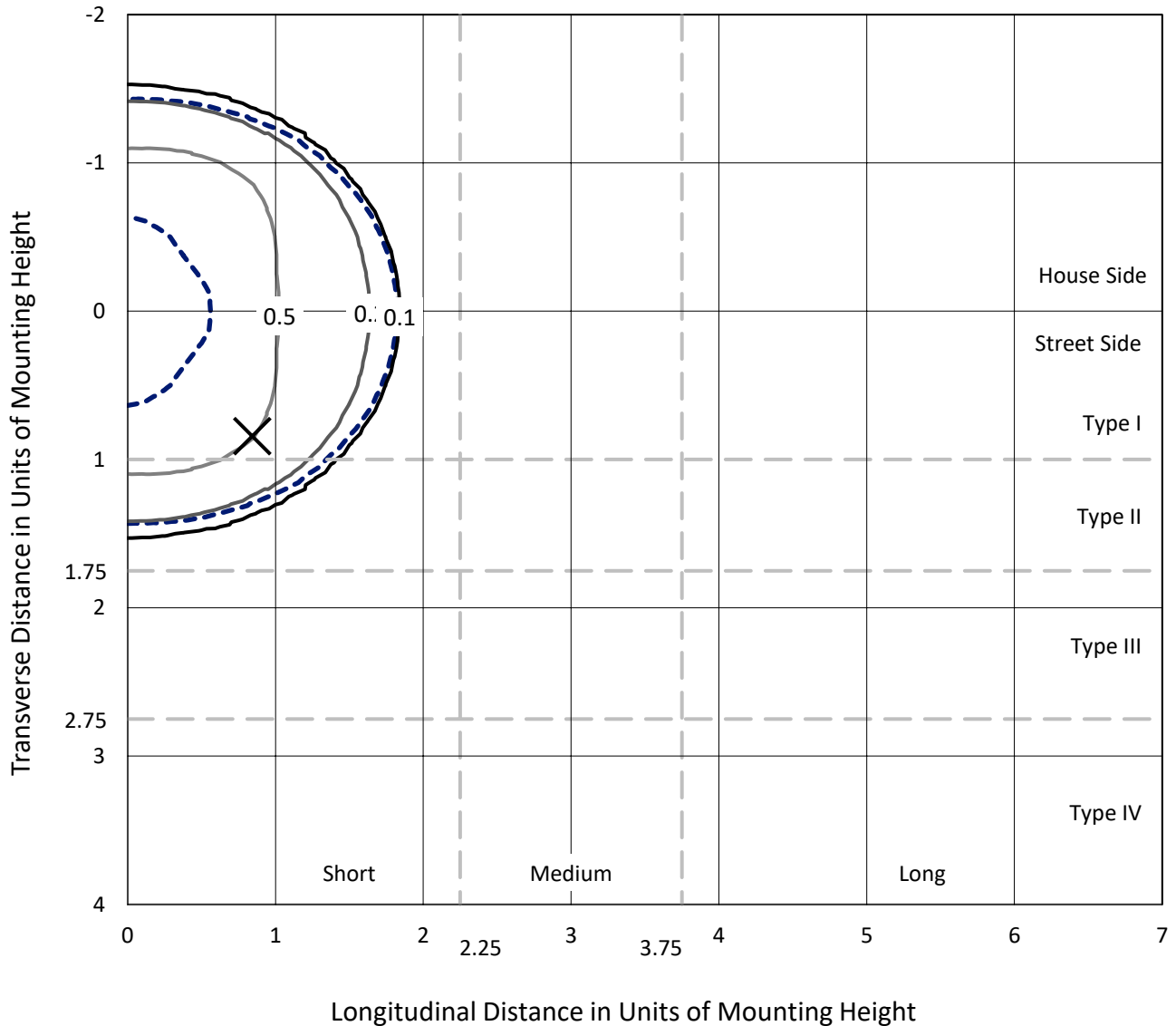
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P651666
 CATALOG NUMBER: GALN-SA1A-840-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

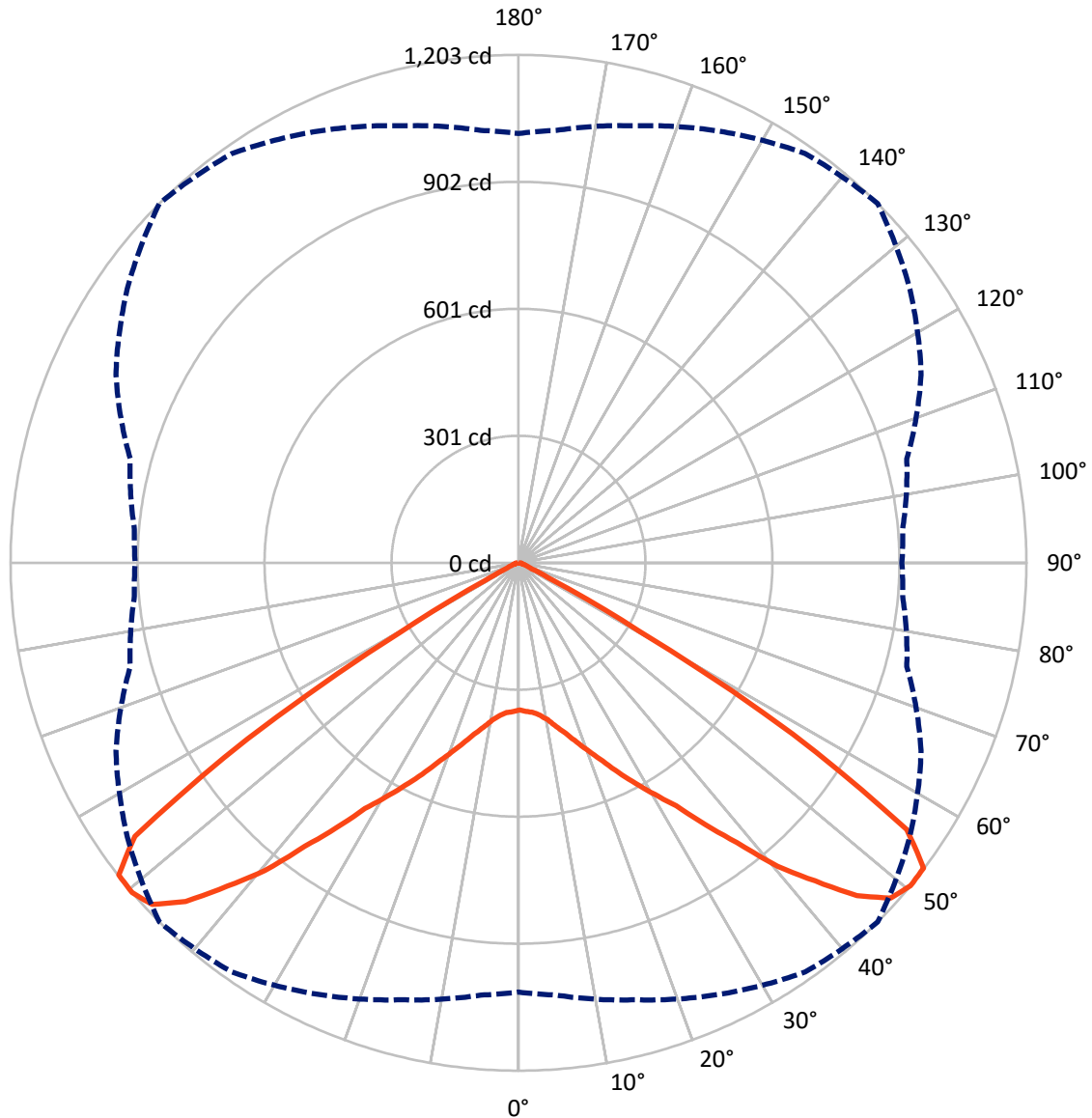
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

REPORT NUMBER: P651666
CATALOG NUMBER: GALN-SA1A-840-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P651666
 CATALOG NUMBER: GALN-SA1A-840-U-RW-GRSBK

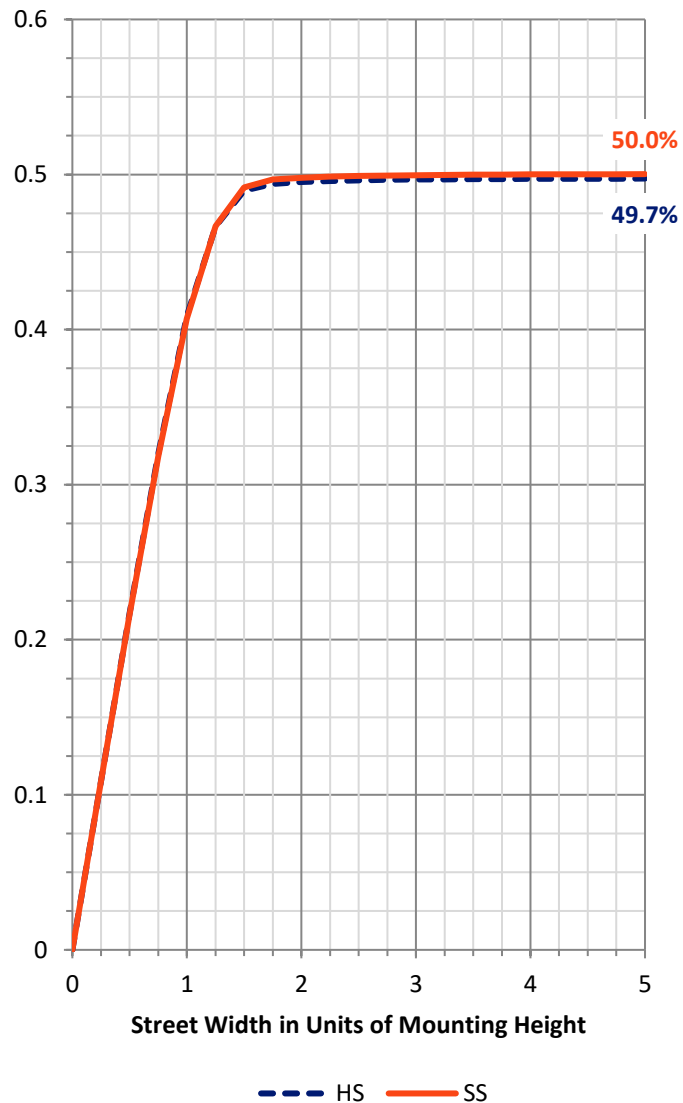
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1257.3	0.0	1257.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1257.3	0.0	1257.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2514.6	0.0	2514.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	1.4
10°-20°	119.5	4.8
20°-30°	244.1	9.7
30°-40°	465.6	18.5
40°-50°	784.6	31.2
50°-60°	748.2	29.8
60°-70°	104.4	4.2
70°-80°	10.0	0.4
80°-90°	3.4	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°	2514.6	100.0
0°-180°	2514.6	100.0

Coefficient of Utilization



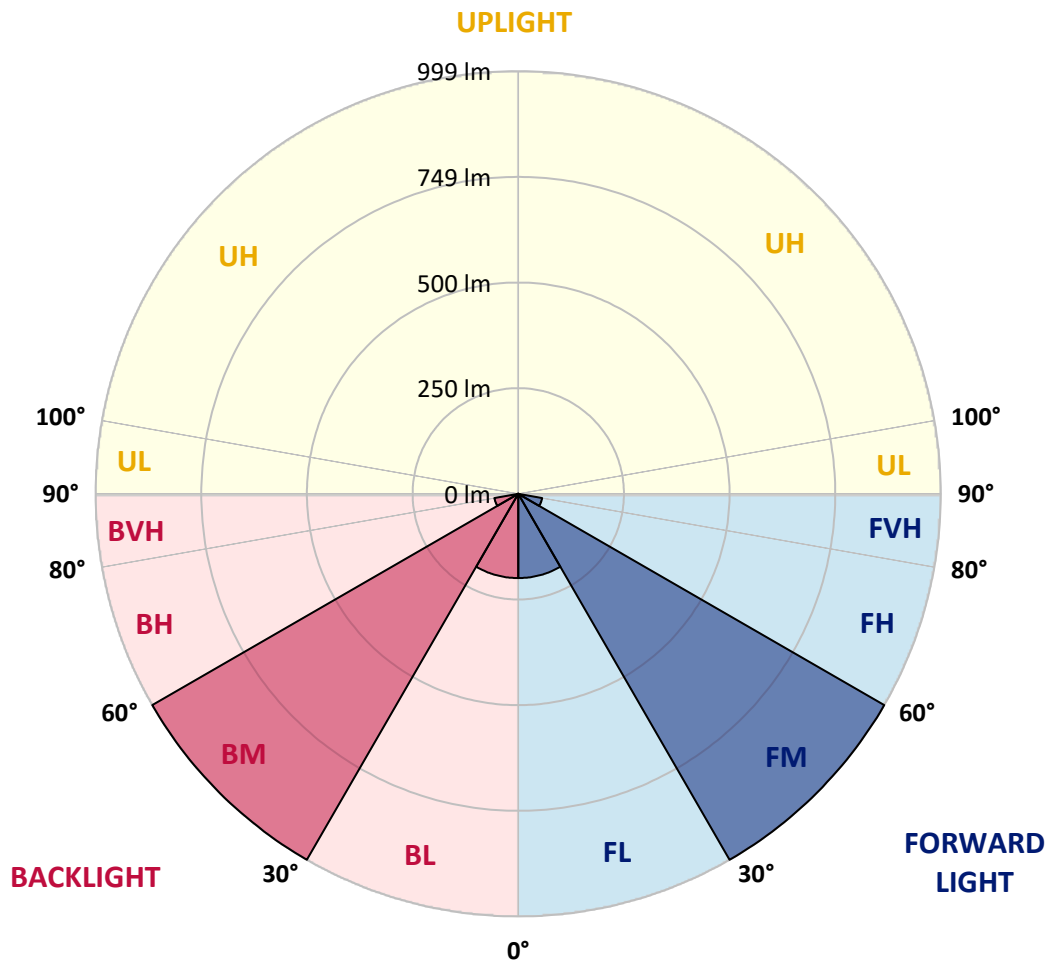
REPORT NUMBER: P651666
 CATALOG NUMBER: GALN-SA1A-840-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.2	7.9			
FM (30°-60°)	999.2	39.7			
FH (60°-80°)	57.2	2.3			G0/660
FVH (80°-90°)	1.7	0.1			G0/10
BL (0°-30°)	199.2	7.9	B1/500		
BM (30°-60°)	999.2	39.7	B1/1000		
BH (60°-80°)	57.2	2.3	B0/110		G0/660
BVH (80°-90°)	1.7	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





REPORT NUMBER: P651666
 CATALOG NUMBER: GALN-SA1A-840-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6
2.5°	347.3	347.3	346.9	350.3	348.6	352.5	352.0	353.3	354.6	354.1	357.5
5°	344.4	344.0	344.0	347.8	351.6	355.8	359.6	362.1	366.4	366.4	370.6
7.5°	347.3	345.2	348.2	349.9	357.1	364.2	370.6	375.7	385.4	388.8	387.5
10°	348.2	350.7	352.9	357.9	366.8	377.8	383.3	396.0	407.0	414.6	416.3
12.5°	353.7	357.5	363.4	375.7	383.7	398.1	405.7	418.0	433.2	441.7	447.6
15°	364.2	365.6	373.2	388.8	406.1	419.2	431.1	440.0	454.8	464.6	465.0
17.5°	377.8	383.3	393.9	408.7	426.9	446.3	455.7	465.4	470.9	484.0	486.9
20°	404.9	405.7	415.9	435.4	458.2	476.0	482.7	487.8	485.7	499.2	501.7
22.5°	430.3	431.1	443.8	470.0	494.6	509.8	512.8	509.8	503.5	513.2	514.0
25°	456.1	463.7	473.0	499.2	529.7	550.0	550.4	542.4	529.2	531.0	535.2
27.5°	496.3	501.7	511.5	535.6	569.0	591.9	588.1	578.4	561.5	562.7	561.5
30°	543.2	548.3	556.3	587.3	611.7	636.7	642.3	632.9	607.5	602.1	608.4
32.5°	600.0	607.1	621.9	650.3	671.0	686.3	690.0	686.7	663.0	660.9	665.1
35°	668.9	678.6	692.1	717.1	734.0	761.5	761.5	750.1	728.6	731.1	730.7
37.5°	741.7	756.1	777.2	802.6	825.4	840.2	835.6	825.9	804.2	798.8	804.2
40°	833.0	840.2	866.9	899.9	927.8	944.8	924.8	903.7	852.1	860.1	875.0
42.5°	916.4	927.8	948.1	984.5	1016.3	1030.2	1006.5	964.6	902.5	896.1	907.1
45°	987.5	999.8	1026.4	1078.4	1111.9	1124.2	1071.7	1004.0	932.9	916.9	921.5
47.5°	1034.9	1041.2	1078.4	1127.9	1158.4	1186.3	1111.0	1031.1	947.3	916.9	915.1
50°	1016.7	1027.7	1071.3	1127.5	1183.0	1202.8	1130.9	1051.8	951.9	913.0	907.9
52.5°	902.9	921.9	970.5	1046.3	1130.1	1201.1	1158.4	1045.0	950.2	916.9	924.4
55°	628.3	628.7	687.9	799.6	947.7	1115.3	1118.2	1052.6	961.3	940.5	940.9
57.5°	252.6	265.3	310.6	422.7	559.3	765.8	910.5	976.5	962.5	957.4	970.5
60°	63.9	64.3	78.3	119.3	196.7	328.3	476.8	645.2	742.9	776.3	781.0
62.5°	32.5	33.0	36.4	42.3	53.7	88.0	156.5	248.3	353.3	406.6	420.6
65°	26.7	26.7	28.8	31.7	32.1	33.8	40.6	57.9	84.2	95.6	96.9
67.5°	20.3	20.3	22.0	23.7	24.6	24.1	23.3	24.1	29.2	27.9	27.1
70°	12.7	13.1	14.0	15.6	16.5	16.9	17.3	18.2	20.8	21.6	20.8
72.5°	7.7	7.7	8.1	9.3	10.6	11.4	12.7	13.5	14.8	16.9	16.5
75°	3.4	3.4	4.2	5.5	6.7	8.1	9.3	10.6	11.4	12.7	13.1
77.5°	0.8	1.3	2.1	3.8	5.0	6.7	8.5	9.8	10.6	10.6	10.2
80°	0.4	0.4	1.7	2.9	5.5	7.2	9.3	10.2	11.4	10.6	9.3
82.5°	0.4	0.4	1.7	2.9	5.0	7.2	9.8	11.0	11.9	10.6	8.9
85°	0.0	0.4	1.3	2.5	4.2	5.0	4.2	2.9	1.7	1.7	1.3
87.5°	0.0	0.0	0.4	0.4	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)