

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: P534569

Luminaire Tested: **GALN-SA2A-AMB-U-5MQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-AMB-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2391.9 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 41.1
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



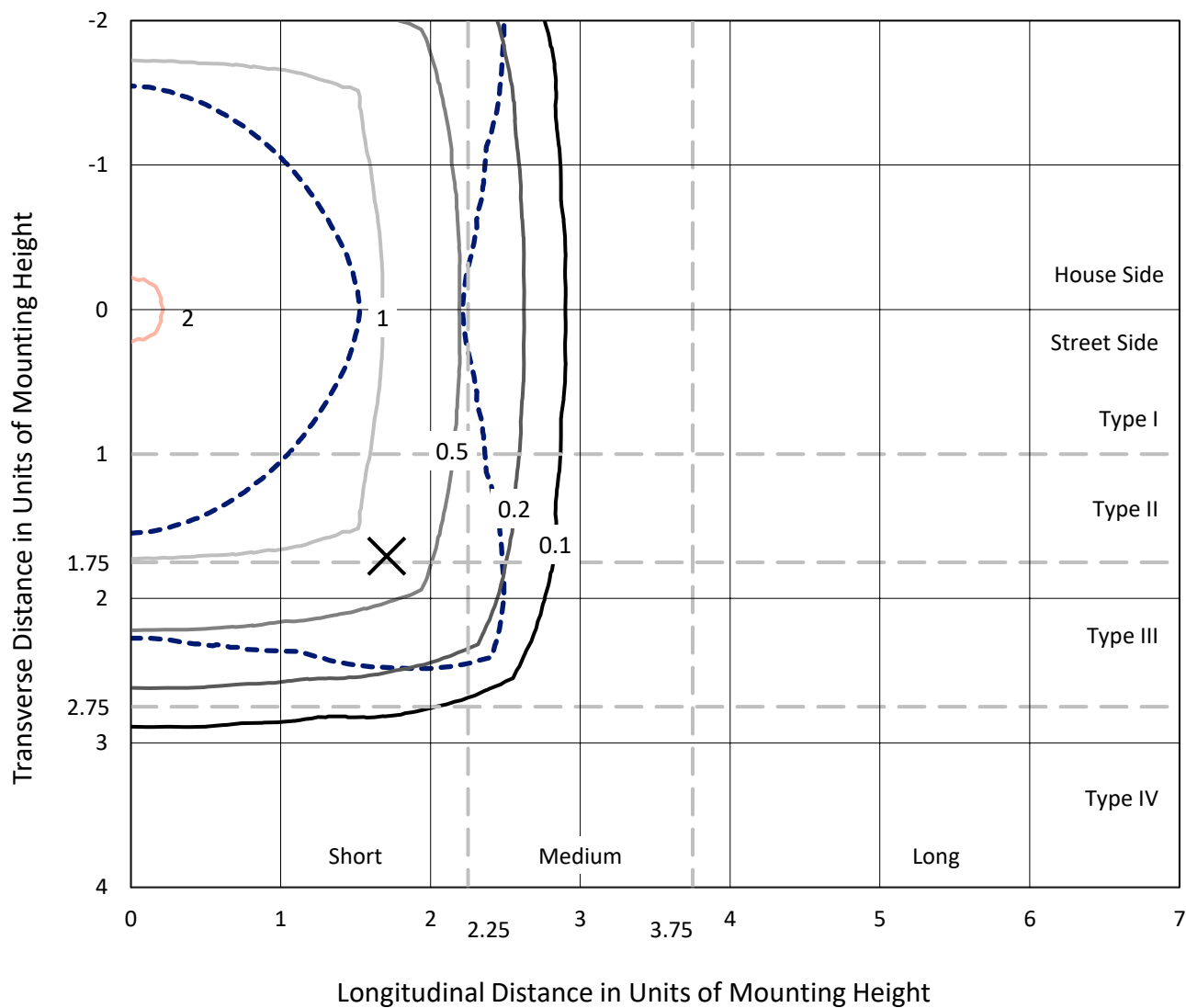
REPORT NUMBER: P534569

CATALOG NUMBER: GALN-SA2A-AMB-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

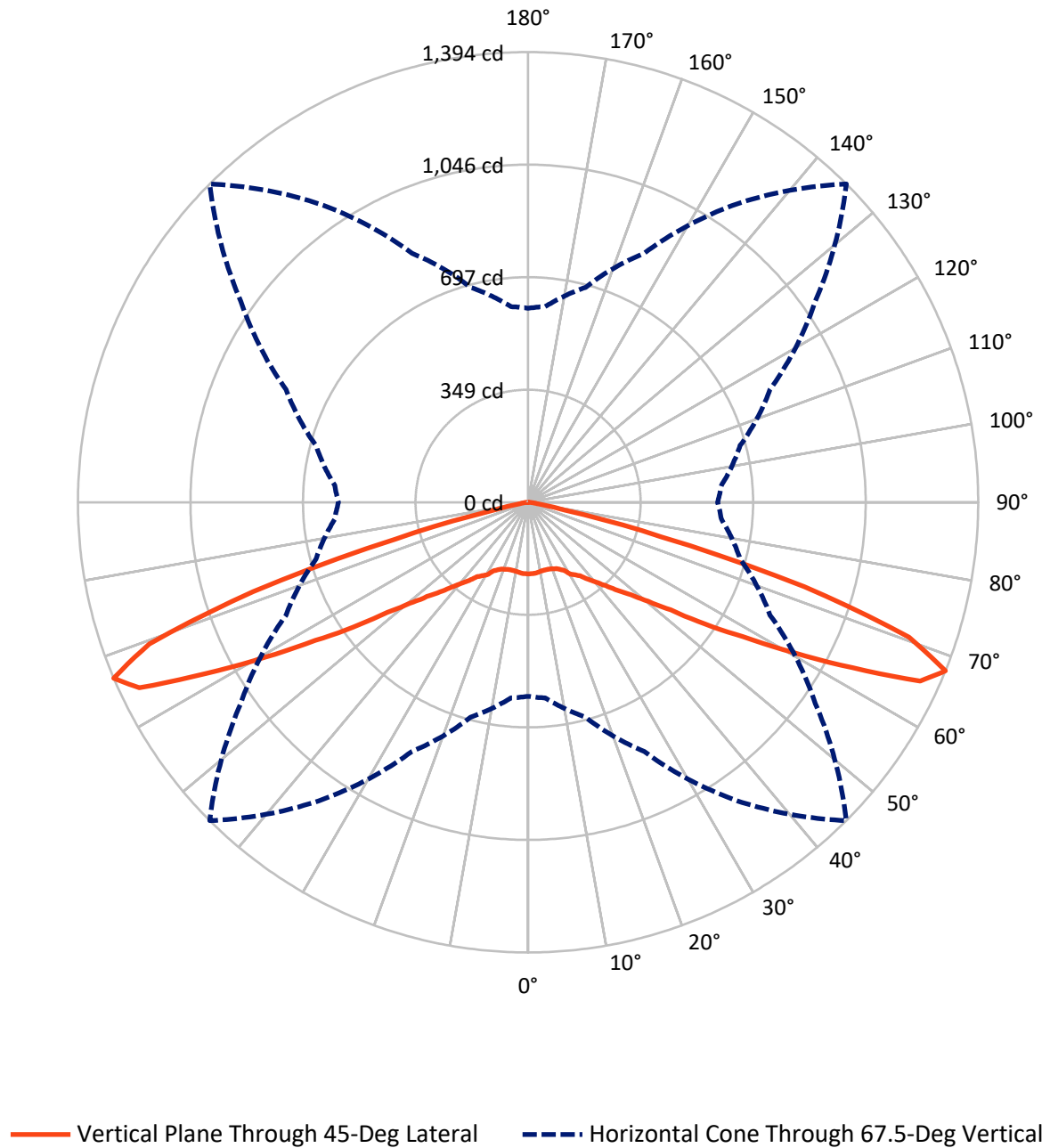


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

REPORT NUMBER: P534569

CATALOG NUMBER: GALN-SA2A-AMB-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P534569

CATALOG NUMBER: GALN-SA2A-AMB-U-5MQ

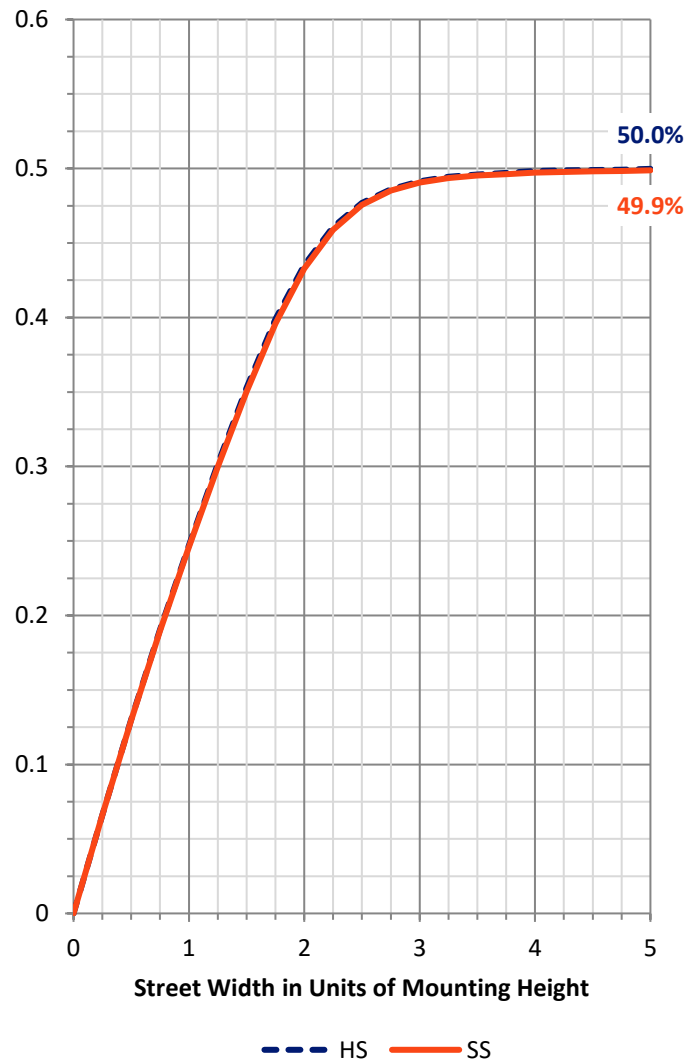
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1196.0	0.0	1196.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1196.0	0.0	1196.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2391.9	0.0	2391.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.9
10°-20°	61.0	2.5
20°-30°	106.3	4.4
30°-40°	178.0	7.4
40°-50°	308.5	12.9
50°-60°	590.7	24.7
60°-70°	874.6	36.6
70°-80°	240.4	10.1
80°-90°	11.4	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°	2391.9	100.0
0°-180°	2391.9	100.0

Coefficient of Utilization



REPORT NUMBER: P534569

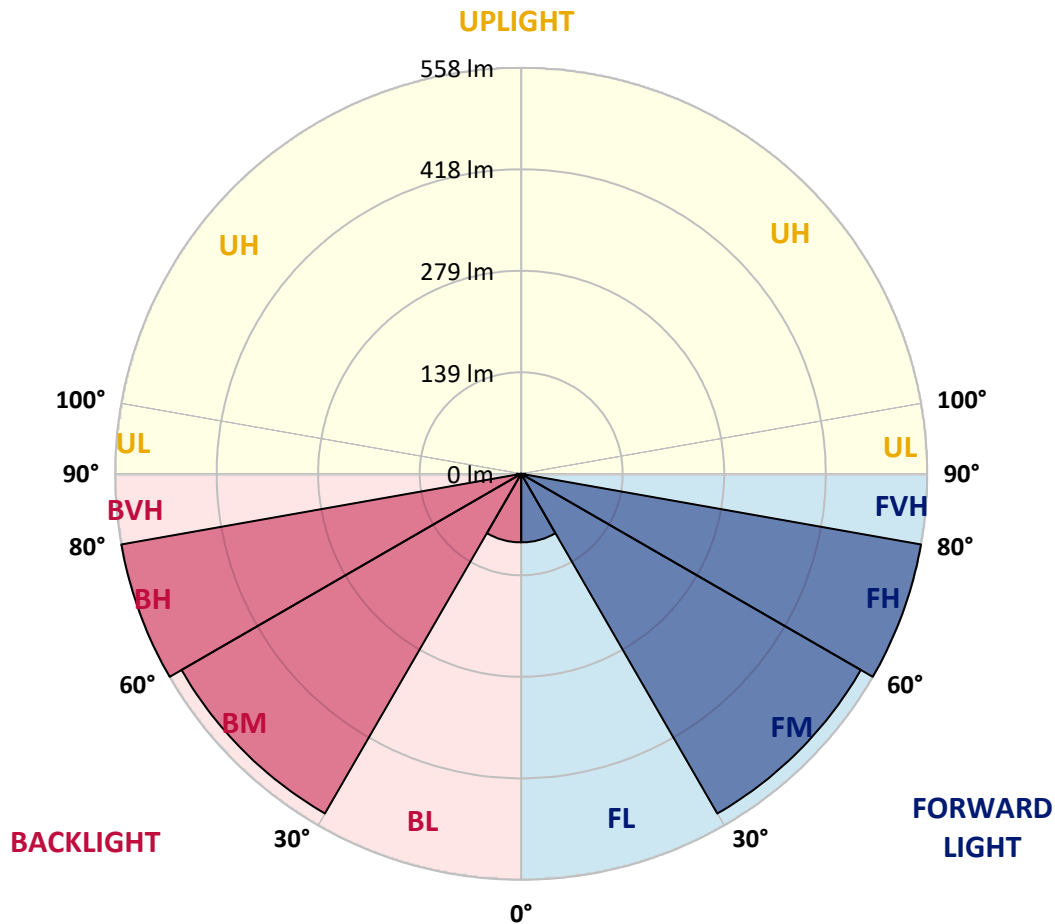
CATALOG NUMBER: GALN-SA2A-AMB-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.2	3.9			
FM	(30°-60°)	538.6	22.5			
FH	(60°-80°)	557.5	23.3			G0/660
FVH	(80°-90°)	5.7	0.2			G0/10
BL	(0°-30°)	94.2	3.9	B0/110		
BM	(30°-60°)	538.6	22.5	B1/1000		
BH	(60°-80°)	557.5	23.3	B2/1000		G0/660
BVH	(80°-90°)	5.7	0.2			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



REPORT NUMBER: P534569

CATALOG NUMBER: GALN-SA2A-AMB-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	222	222	222	222	222	222	222	222	222	222	222
2.5°	223	223	221	222	222	221	222	222	222	222	222
5°	223	223	222	222	221	221	220	221	220	221	221
7.5°	223	220	221	220	219	219	219	218	219	218	218
10°	218	219	218	218	218	217	217	217	216	216	216
12.5°	216	216	215	216	217	216	215	214	214	215	214
15°	213	214	214	214	217	216	215	214	214	213	213
17.5°	213	212	213	214	217	217	216	214	213	213	212
20°	211	212	214	217	218	220	219	217	215	215	213
22.5°	214	214	217	218	222	223	222	222	219	218	217
25°	221	221	223	227	229	230	228	229	225	226	225
27.5°	229	230	233	237	240	239	241	238	235	233	233
30°	242	243	246	250	255	258	256	249	247	245	244
32.5°	257	256	259	265	270	268	267	265	262	261	260
35°	273	270	275	281	283	280	281	283	278	277	275
37.5°	289	289	294	299	302	303	302	303	300	297	297
40°	313	312	318	322	326	325	326	329	327	325	323
42.5°	343	340	348	352	355	353	357	361	360	357	355
45°	374	376	383	389	389	389	395	399	397	397	393
47.5°	415	419	427	433	435	428	437	448	445	439	435
50°	467	464	478	489	487	482	498	507	503	494	492
52.5°	527	527	539	556	560	554	573	585	573	566	563
55°	607	608	618	639	655	666	672	667	653	643	635
57.5°	696	700	724	744	767	785	780	758	728	707	707
60°	804	806	828	870	917	945	896	839	797	771	765
62.5°	828	834	886	975	1077	1128	1022	919	845	800	797
65°	770	772	845	976	1172	1334	1113	931	800	731	723
67.5°	601	608	689	851	1128	1394	1086	827	680	601	587
70°	351	362	420	575	918	1252	895	596	438	372	366
72.5°	165	169	204	300	578	895	586	322	203	172	164
75°	56	59	66	103	239	426	237	103	68	64	62
77.5°	33	32	33	35	61	115	64	39	35	36	36
80°	20	20	23	24	26	31	30	28	26	22	22
82.5°	10	11	16	17	17	19	20	21	19	12	12
85°	6	5	9	10	10	8	11	13	12	6	7
87.5°	1	1	3	3	3	2	3	4	4	2	1
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)