

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: STREETWORKS

Report Number: P402575

Luminaire Tested: **GAN-AF-02-LED-U-5MQ-AMB**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/8/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-02-LED-U-5MQ-AMB
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: 2451.9 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G0

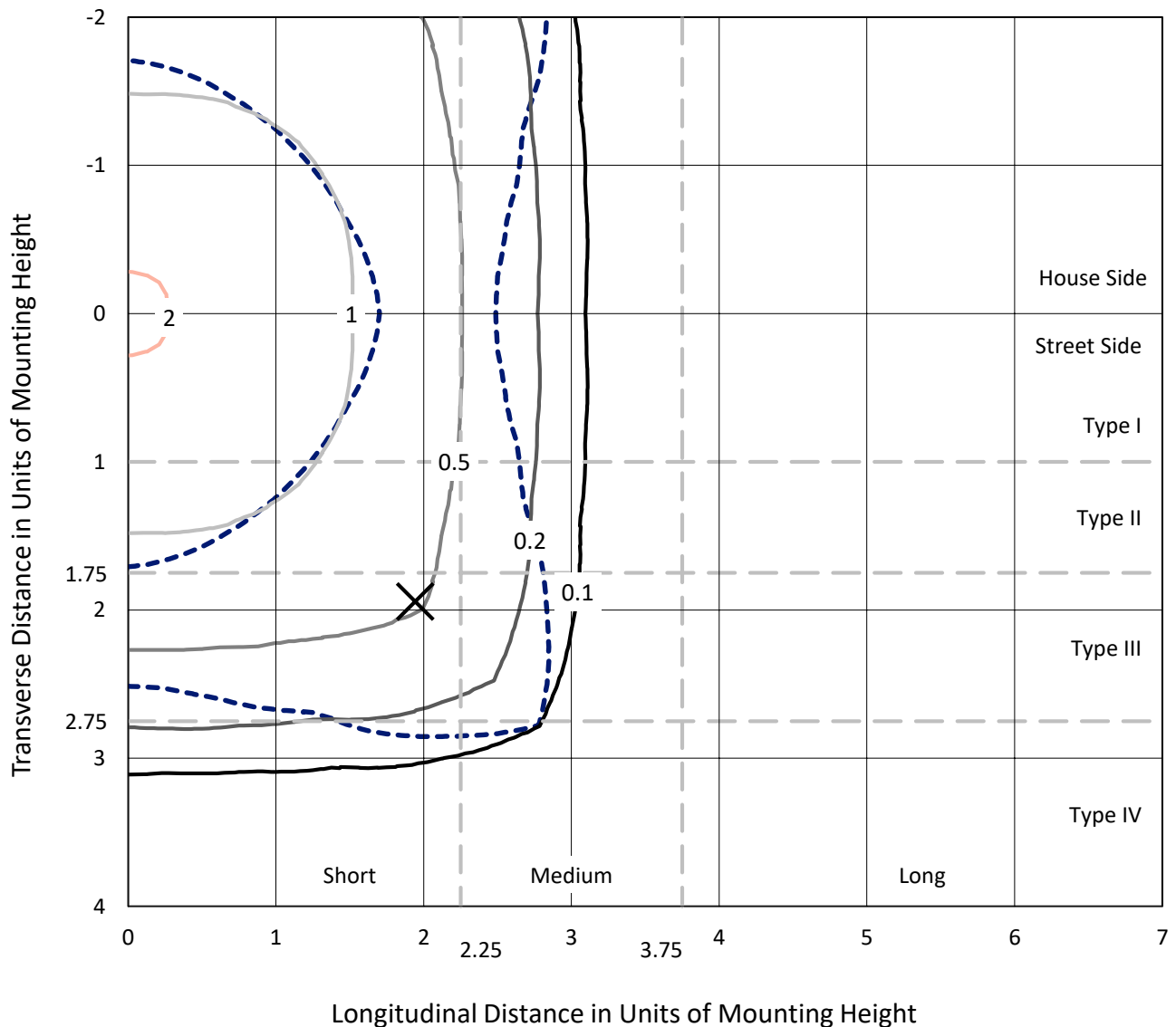
Input Watts (W): 41.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

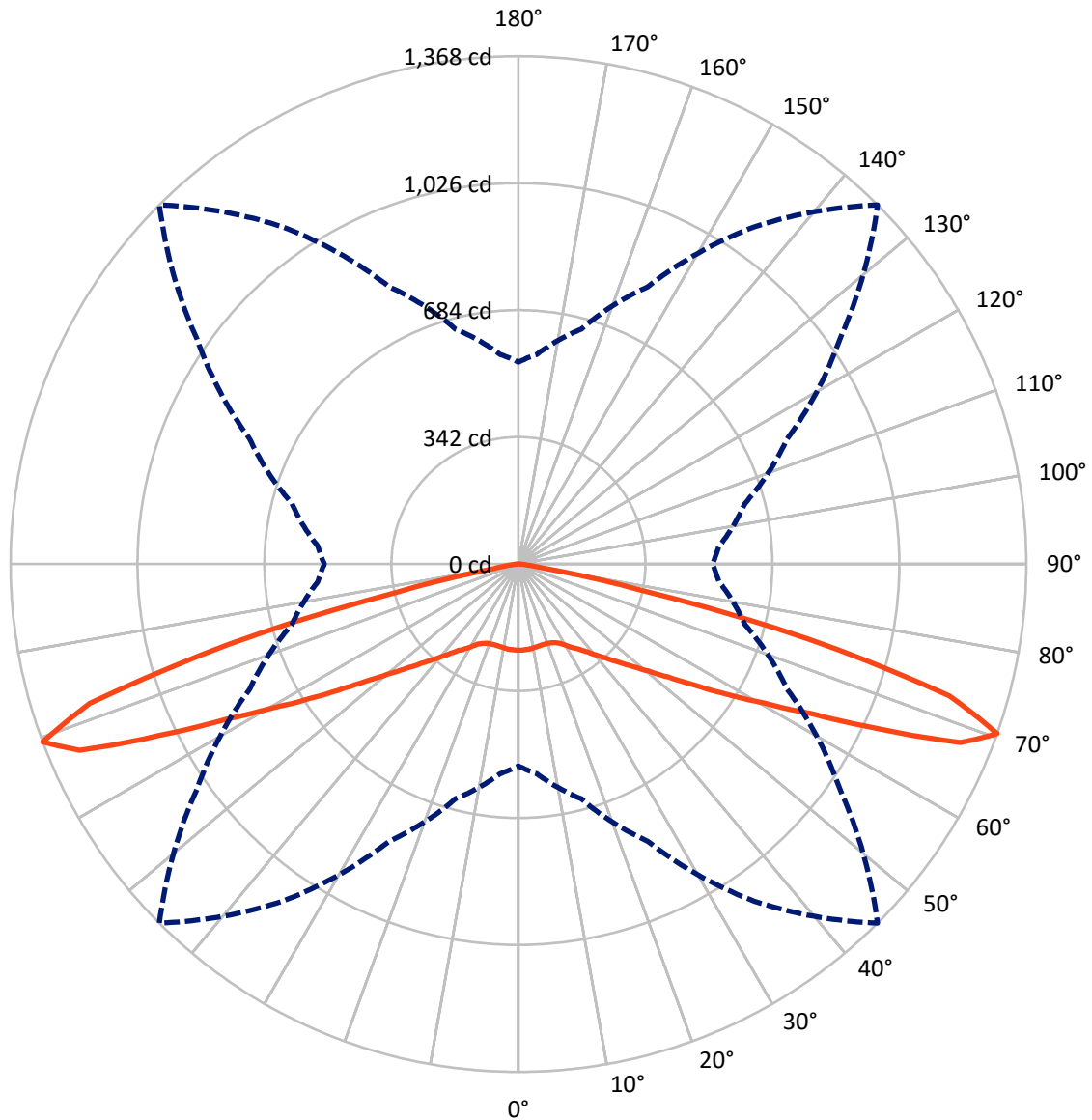
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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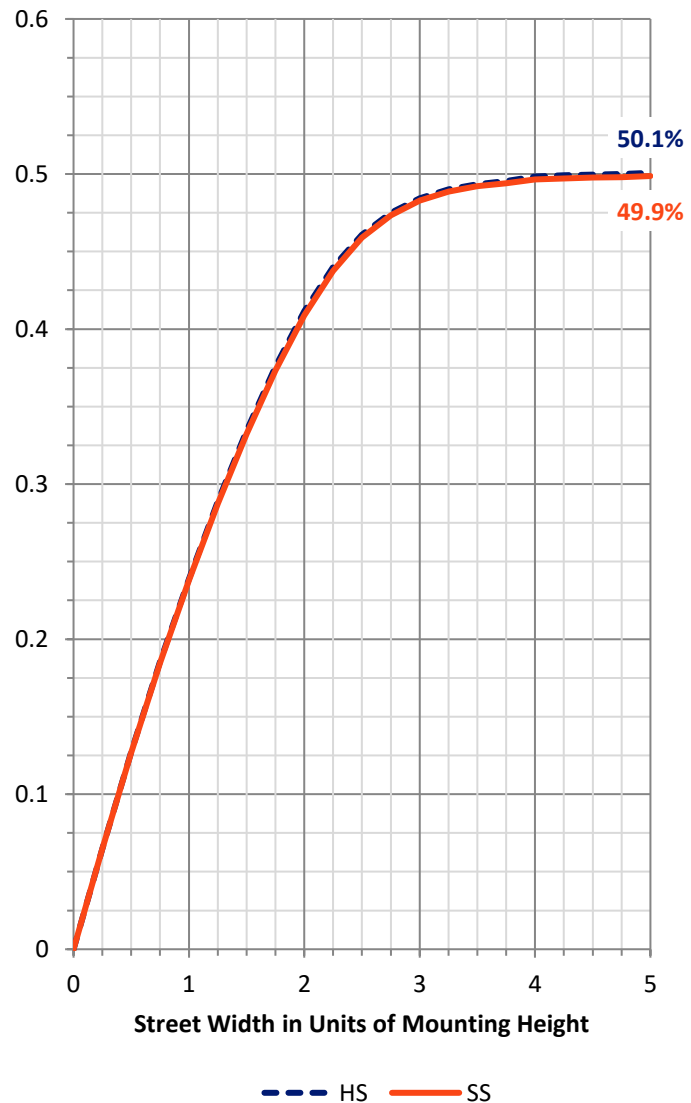
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1226.0	0.0	1226.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1226.0	0.0	1226.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2451.9	0.0	2451.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.9
10°-20°	64.0	2.6
20°-30°	108.5	4.4
30°-40°	177.8	7.3
40°-50°	297.3	12.1
50°-60°	522.0	21.3
60°-70°	857.6	35.0
70°-80°	386.6	15.8
80°-90°	16.1	0.7
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°	2451.9	100.0
0°-180°	2451.9	100.0



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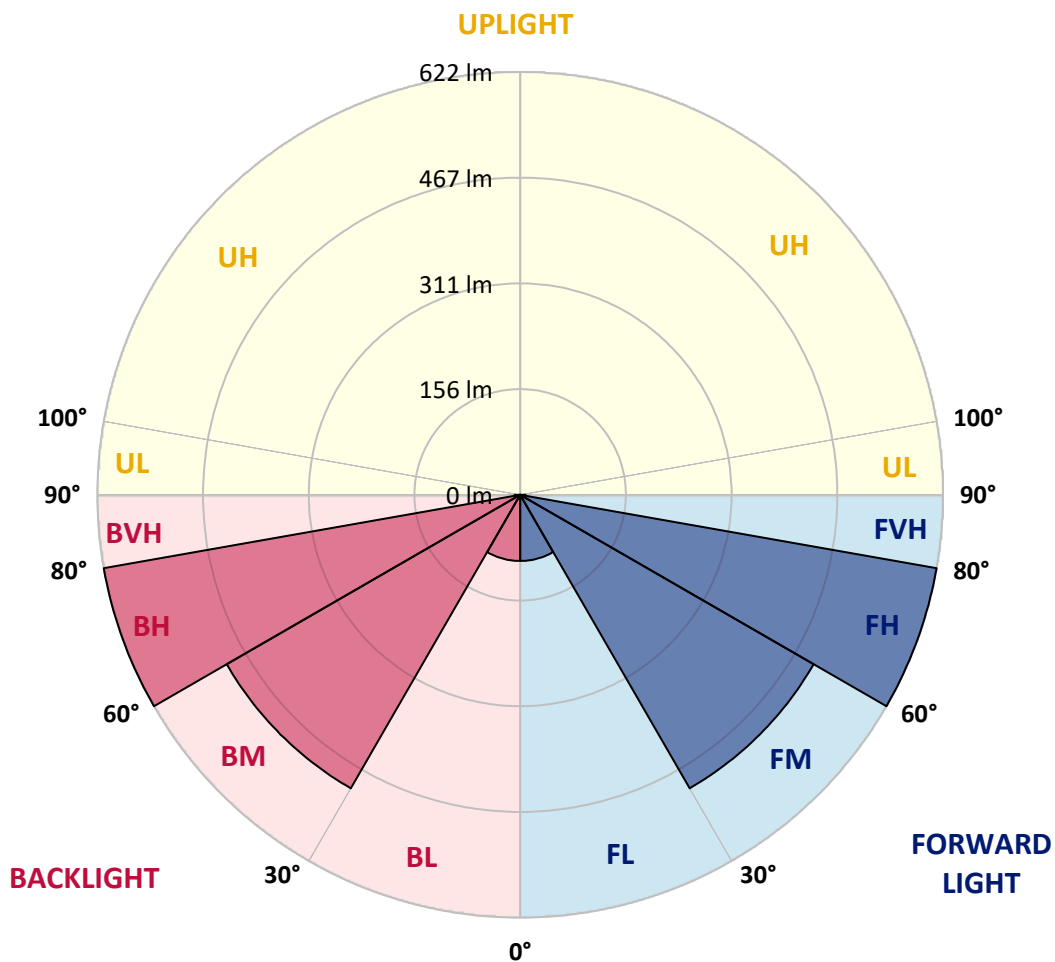
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.3	4.0			
FM (30°-60°)	498.6	20.3			
FH (60°-80°)	622.1	25.4			G0/660
FVH (80°-90°)	8.0	0.3			G0/10
BL (0°-30°)	97.3	4.0	B0/110		
BM (30°-60°)	498.6	20.3	B1/1000		
BH (60°-80°)	622.1	25.4	B2/1000		G0/660
BVH (80°-90°)	8.0	0.3			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°	232	232	232	232	232	232	232	232	232	232	232
2.5°	233	233	233	233	232	232	232	232	232	232	232
5°	233	233	233	232	232	231	232	231	231	231	232
7.5°	233	233	233	232	232	231	231	230	230	230	230
10°	230	230	230	230	230	229	229	228	228	228	228
12.5°	227	228	227	227	228	228	227	226	225	225	226
15°	225	225	225	225	227	227	227	225	224	224	224
17.5°	223	223	223	225	226	227	226	225	224	222	222
20°	222	222	223	225	227	228	228	226	224	222	222
22.5°	222	222	224	227	229	230	230	228	226	224	224
25°	226	225	227	231	234	235	236	233	230	228	227
27.5°	232	233	235	239	243	242	243	241	239	236	236
30°	244	244	247	251	254	255	255	253	250	248	247
32.5°	258	258	261	266	268	269	268	266	262	259	258
35°	272	272	276	282	284	282	283	281	278	276	275
37.5°	289	289	294	299	302	300	303	302	298	296	295
40°	309	310	315	321	321	322	325	326	322	320	318
42.5°	334	336	340	346	347	347	351	352	350	346	344
45°	364	366	372	378	378	376	382	387	383	377	375
47.5°	399	401	409	414	416	411	420	426	421	417	413
50°	441	445	453	461	459	453	465	472	469	460	457
52.5°	486	489	505	513	513	506	522	528	519	507	503
55°	547	546	557	575	582	575	588	590	578	568	561
57.5°	610	612	627	644	654	662	662	657	640	621	617
60°	683	689	707	729	749	760	743	733	707	691	685
62.5°	764	772	799	835	867	889	861	833	800	775	771
65°	789	796	849	927	1021	1073	984	917	839	787	781
67.5°	734	737	804	938	1127	1284	1088	920	801	726	722
70°	544	567	655	824	1109	1368	1057	799	632	542	523
72.5°	319	314	381	547	906	1214	860	542	389	321	306
75°	125	127	159	253	513	809	515	255	142	116	115
77.5°	43	44	48	61	165	334	170	62	47	50	51
80°	27	26	29	30	36	66	39	32	31	31	32
82.5°	14	15	20	21	22	25	25	24	21	16	14
85°	9	7	14	15	14	13	16	18	16	9	10
87.5°	4	4	7	7	7	5	7	10	10	4	4
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)