

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: LUMIERE

Report Number: P394726

Luminaire Tested: **303-B1-LEDB2-3500-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB2-3500-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 4
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1305.2 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

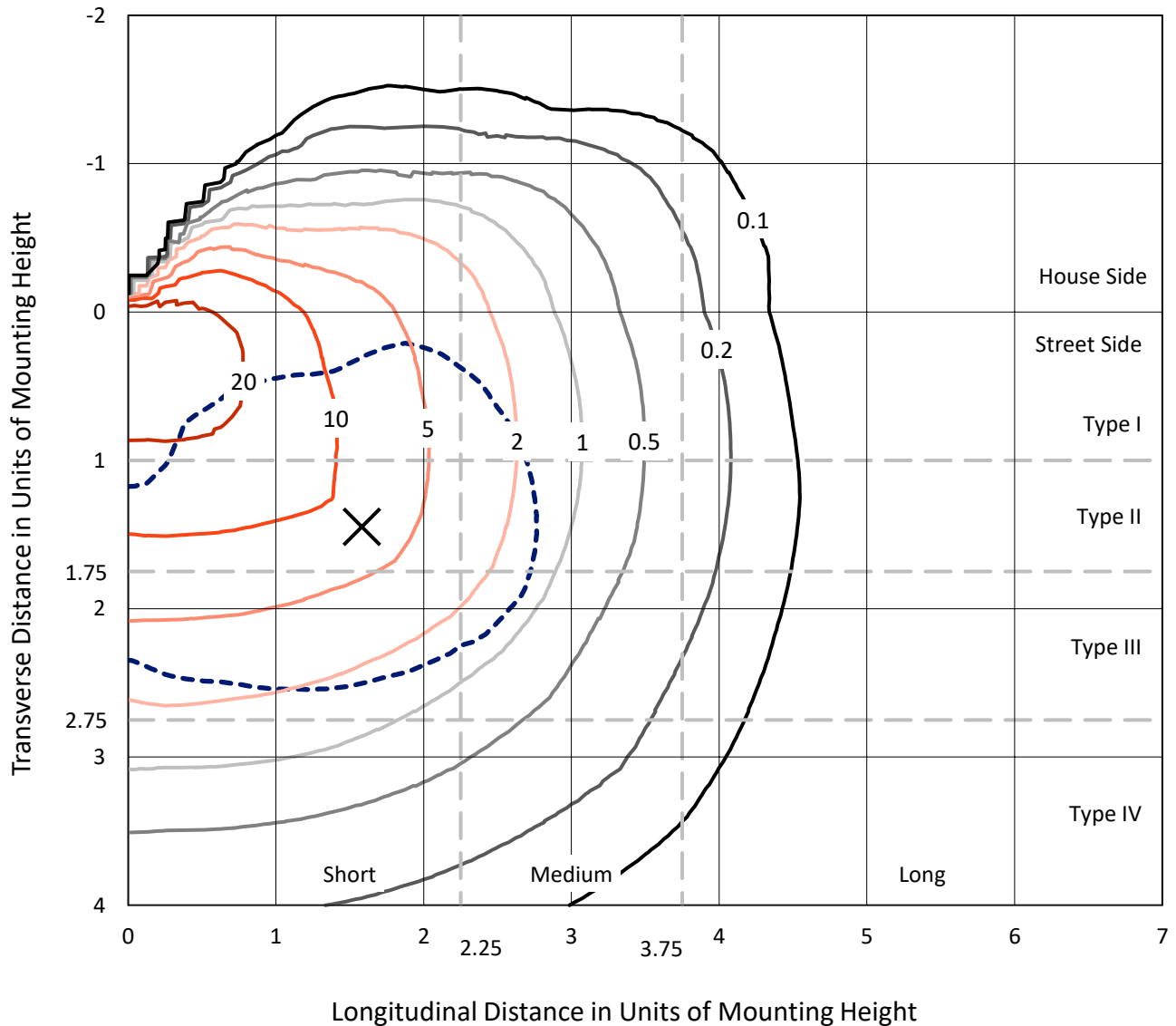
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

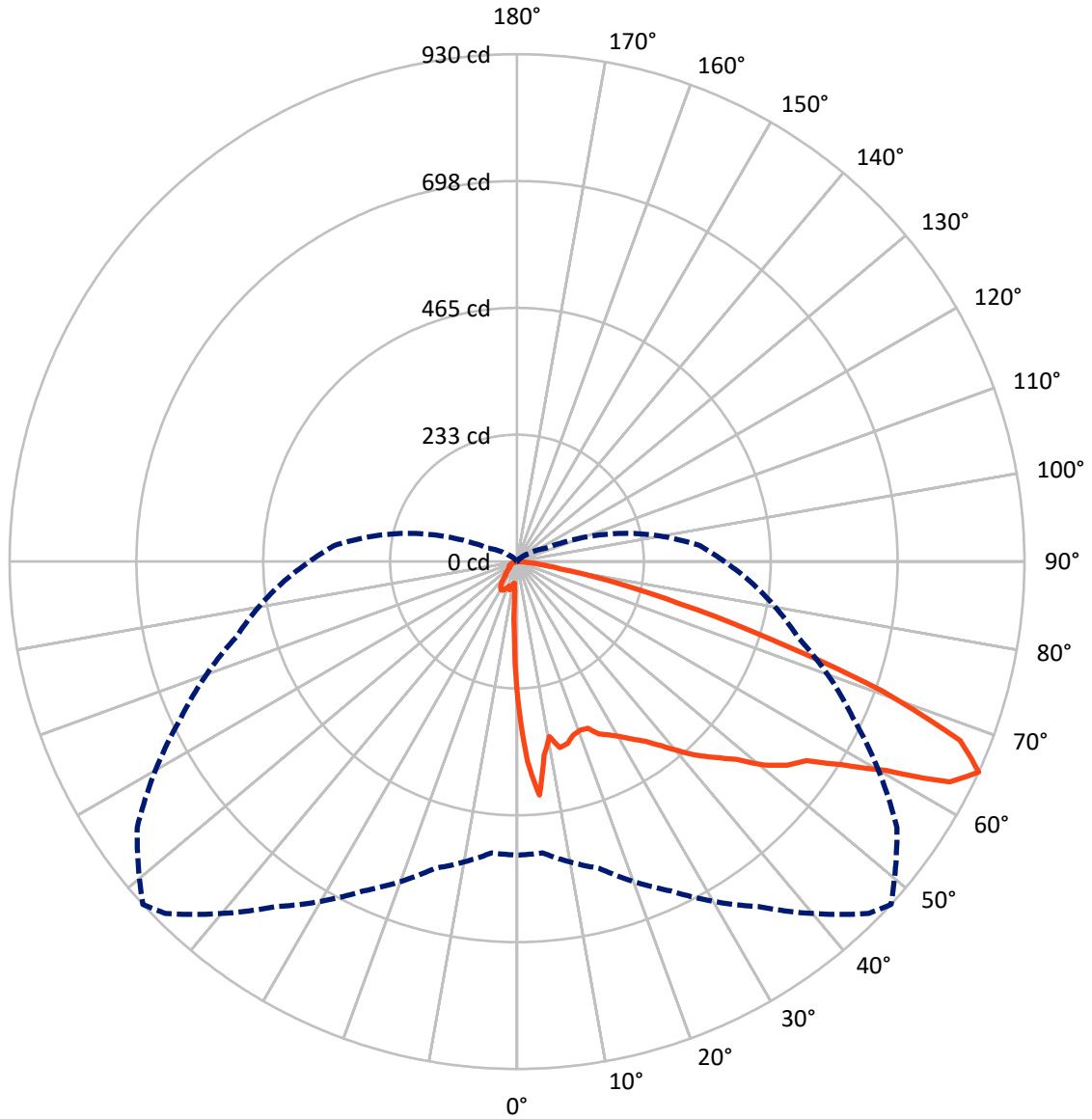
✕ Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 39.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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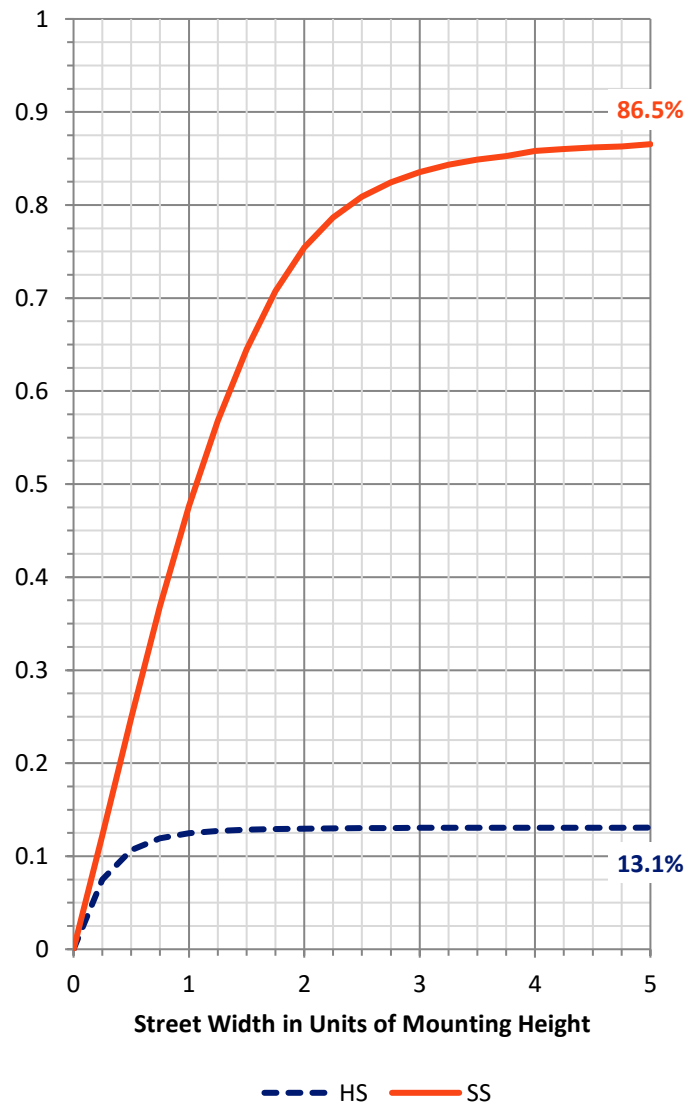
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	172.1	0.0	172.1
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	1133.0	0.0	1133.0
	% Fixture	86.8	0.0	86.8
Total	Lumens	1305.2	0.0	1305.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	1.6
10°-20°	57.0	4.4
20°-30°	96.2	7.4
30°-40°	148.2	11.4
40°-50°	202.9	15.5
50°-60°	275.2	21.1
60°-70°	343.1	26.3
70°-80°	149.0	11.4
80°-90°	12.4	0.9
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°	1305.2	100.0
0°-180°	1305.2	100.0



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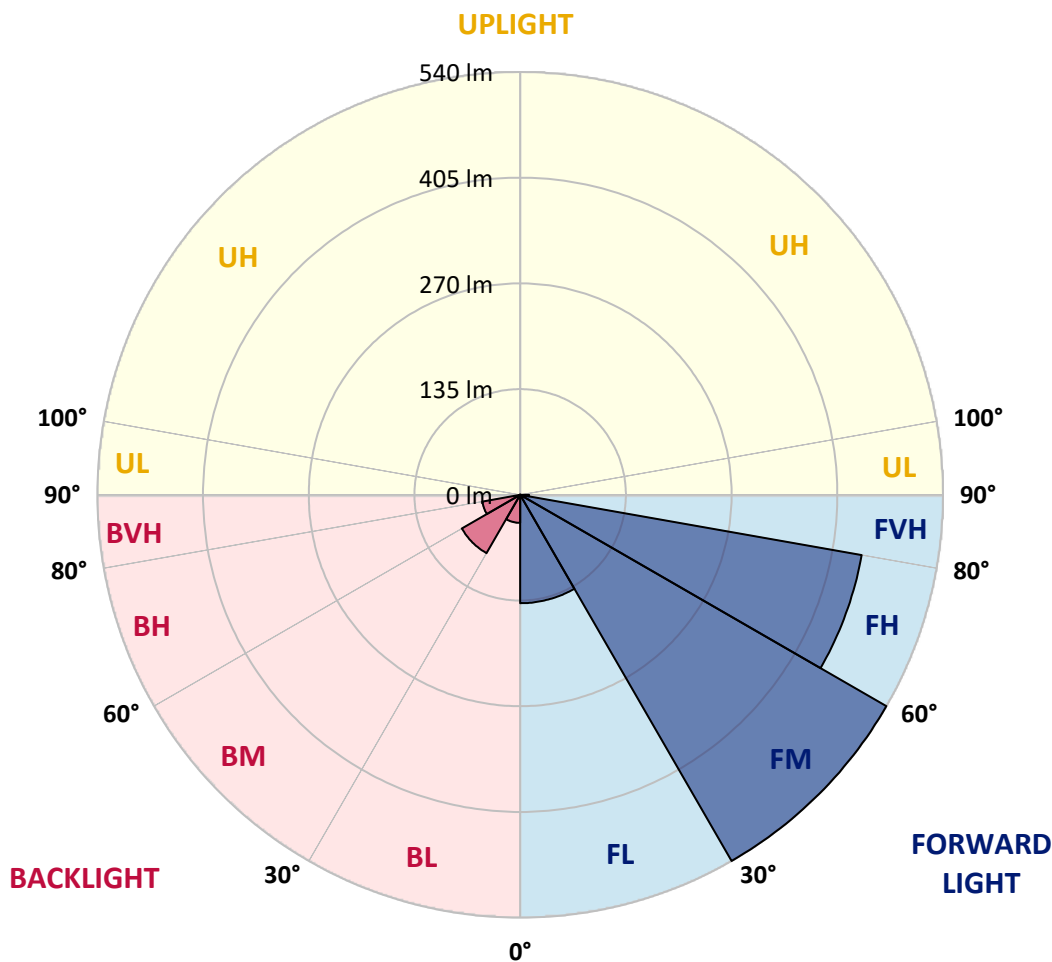
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.5	10.6			
FM (30°-60°)	540.2	41.4			
FH (60°-80°)	443.0	33.9			G0/660
FVH (80°-90°)	11.4	0.9			G1/100
BL (0°-30°)	35.8	2.7	B0/110		
BM (30°-60°)	86.1	6.6	B0/220		
BH (60°-80°)	49.2	3.8	B0/110		G0/110
BVH (80°-90°)	1.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	258	258	258	258	258	258	258	258	258	258	258
2.5°	406	400	400	386	382	370	366	356	304	266	258
5°	378	382	394	404	432	430	430	394	350	324	264
7.5°	360	358	346	340	340	354	358	382	350	316	268
10°	366	364	364	366	360	332	326	318	340	306	262
12.5°	334	328	336	342	360	344	350	320	302	306	264
15°	330	328	326	326	332	342	346	336	286	302	262
17.5°	342	338	334	328	326	328	334	330	298	290	260
20°	352	344	340	338	334	320	330	326	308	274	262
22.5°	352	346	348	344	350	336	332	326	316	276	264
25°	356	352	350	352	352	344	350	332	322	284	264
27.5°	360	354	358	360	364	352	360	346	328	302	280
30°	368	364	370	372	370	362	372	358	344	318	286
32.5°	382	374	390	390	384	380	388	372	362	334	302
35°	398	396	402	412	414	396	404	394	380	356	322
37.5°	410	404	414	430	436	422	428	412	394	374	332
40°	416	412	430	454	464	452	456	438	410	376	340
42.5°	418	414	442	466	488	478	486	464	428	384	340
45°	426	430	450	476	508	508	512	486	444	394	346
47.5°	446	444	462	492	534	538	542	506	462	402	352
50°	452	458	482	508	550	570	586	542	484	416	364
52.5°	484	476	500	530	576	602	620	572	504	426	376
55°	494	516	532	564	612	642	644	604	528	444	392
57.5°	554	550	572	604	638	690	702	648	570	476	410
60°	588	582	620	664	716	776	778	710	616	510	432
62.5°	594	594	628	690	788	878	890	800	678	542	446
65°	538	536	582	666	772	912	930	850	680	532	430
67.5°	432	462	500	568	678	842	876	806	646	500	392
70°	372	400	418	472	546	668	710	690	550	428	330
72.5°	290	282	320	370	408	460	484	502	420	336	250
75°	178	180	198	234	276	300	308	288	272	216	164
77.5°	94	96	108	126	148	176	182	160	138	112	80
80°	56	56	62	68	80	80	80	80	60	54	30
82.5°	26	30	32	34	40	44	44	34	28	22	12
85°	16	16	16	16	16	18	18	14	12	10	4
87.5°	12	12	12	12	10	10	8	8	6	2	2
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	258	258	258	258	258	258	258	258	258	258	258
2.5°	256	256	254	250	154	136	114	102	98	92	96
5°	262	260	224	158	90	40	16	2	0	0	0
7.5°	262	262	212	144	82	26	6	0	0	0	0
10°	264	260	212	144	72	32	4	0	0	0	0
12.5°	264	260	210	146	86	38	4	0	0	0	0
15°	264	262	212	148	94	40	2	0	0	0	0
17.5°	258	258	212	152	96	30	2	0	0	0	0
20°	260	256	192	152	90	36	2	0	0	0	0
22.5°	256	252	190	154	86	42	2	0	0	0	0
25°	258	252	196	156	102	42	2	0	0	0	0
27.5°	264	260	210	154	110	42	2	0	0	0	0
30°	274	266	210	146	110	42	2	0	0	0	0
32.5°	288	276	216	158	106	40	2	0	0	0	0
35°	302	282	212	150	98	36	2	0	0	0	0
37.5°	308	286	208	142	88	30	2	0	0	0	0
40°	312	288	204	128	76	20	2	0	0	0	0
42.5°	314	286	194	114	64	20	2	0	0	0	0
45°	318	290	182	102	52	20	2	0	0	0	0
47.5°	326	288	176	88	42	16	2	0	0	0	0
50°	336	290	174	78	36	14	2	0	0	0	0
52.5°	348	298	176	72	32	12	2	0	0	0	0
55°	356	314	178	68	30	12	2	0	0	0	0
57.5°	374	326	188	66	28	10	0	0	0	0	0
60°	394	342	198	64	28	12	0	0	0	0	0
62.5°	396	354	200	64	26	12	0	0	0	0	0
65°	380	336	200	58	24	10	0	0	0	0	0
67.5°	338	302	180	52	20	10	2	0	0	0	0
70°	280	248	156	44	18	8	2	0	0	0	0
72.5°	212	192	126	34	14	6	2	0	0	0	0
75°	134	124	90	24	12	4	2	0	0	0	0
77.5°	66	70	50	18	8	4	0	0	0	0	0
80°	20	22	22	10	6	2	0	0	0	0	0
82.5°	10	10	8	6	2	0	0	0	0	0	0
85°	4	4	2	2	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)