

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: P394770

Luminaire Tested: **303-B2-LEDB4-3500-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (Compare Roadway Adding Tool)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B2-LEDB4-3500-UNV-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 4
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2607.2 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 1.06' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

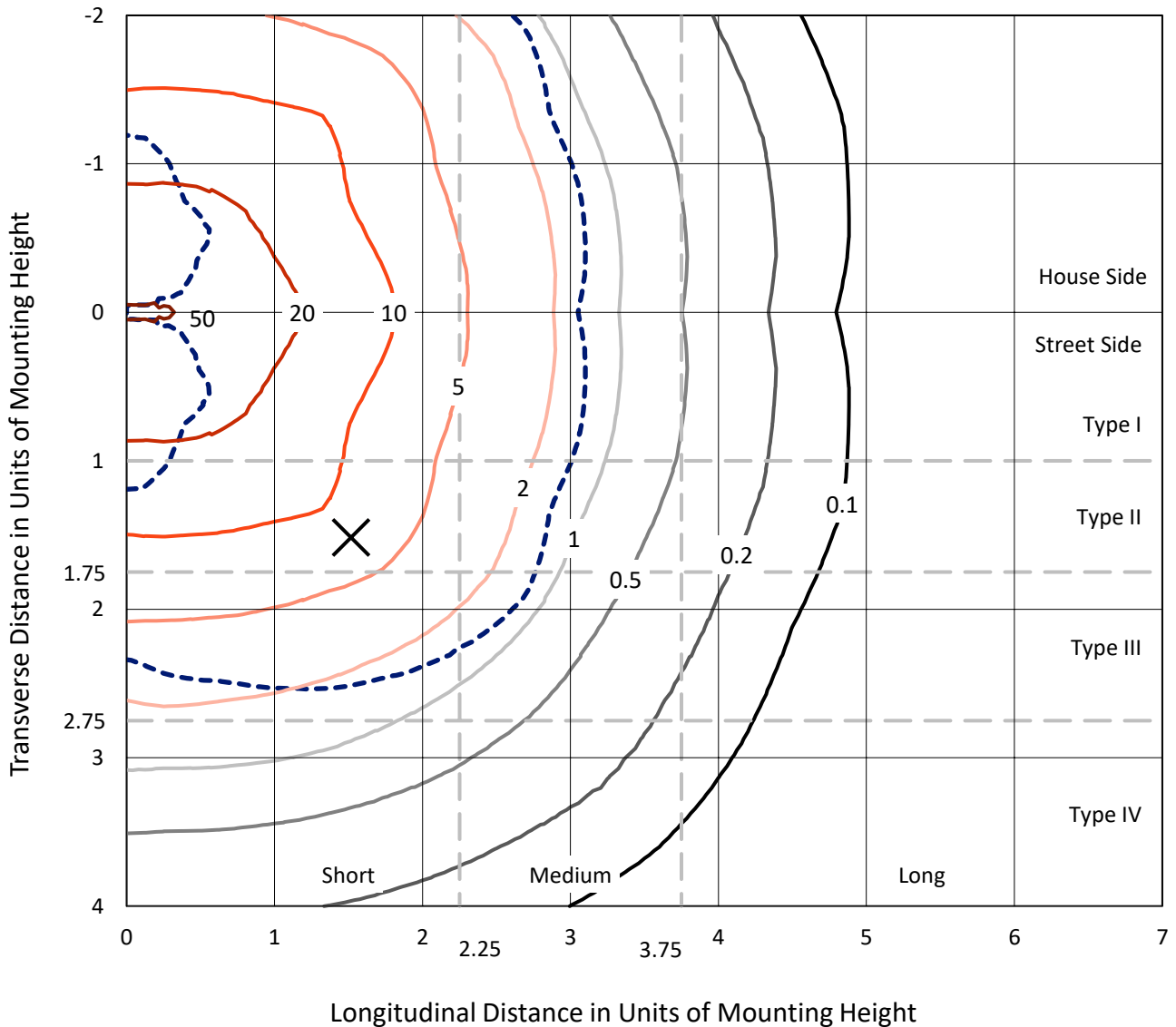
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

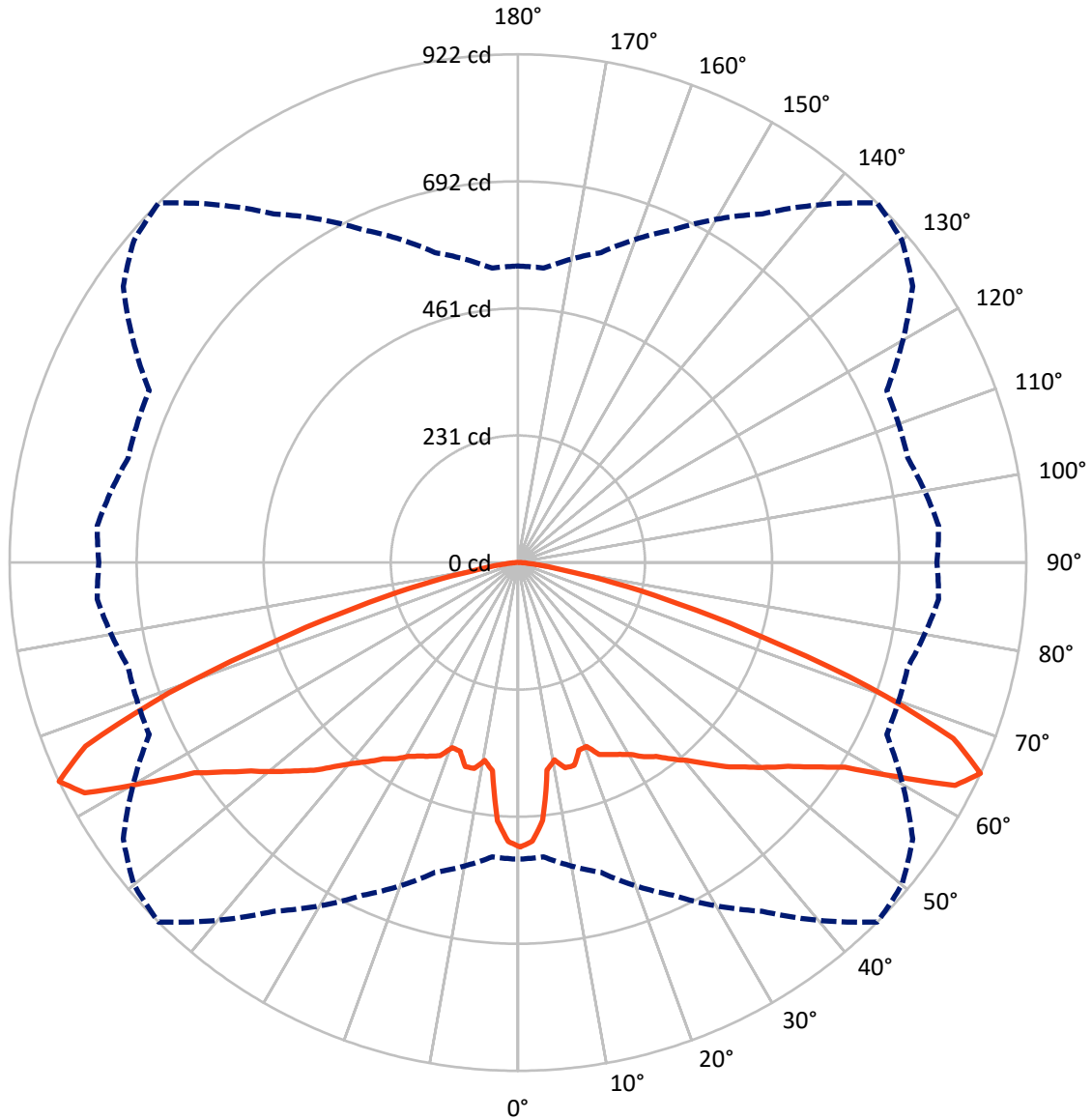
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 57.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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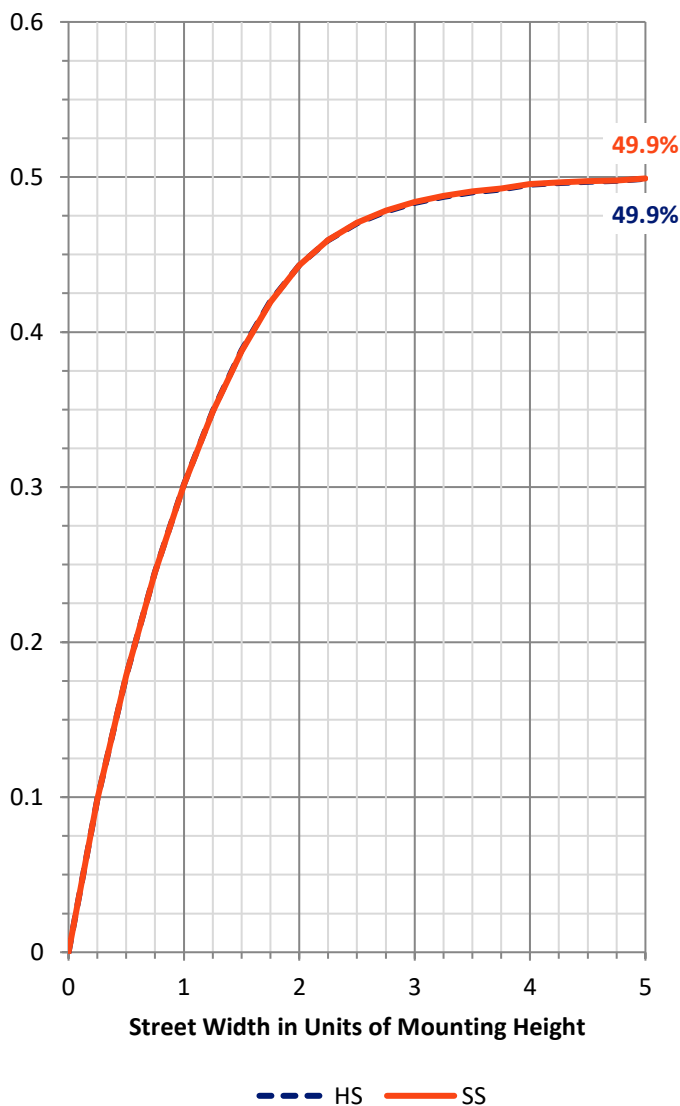
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1303.6	0.0	1303.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1303.6	0.0	1303.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2607.2	0.0	2607.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	1.6
10°-20°	113.9	4.4
20°-30°	192.2	7.4
30°-40°	296.2	11.4
40°-50°	405.5	15.6
50°-60°	549.8	21.1
60°-70°	685.0	26.3
70°-80°	297.6	11.4
80°-90°	24.7	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°	2607.2	100.0
0°-180°	2607.2	100.0

Coefficient of Utilization



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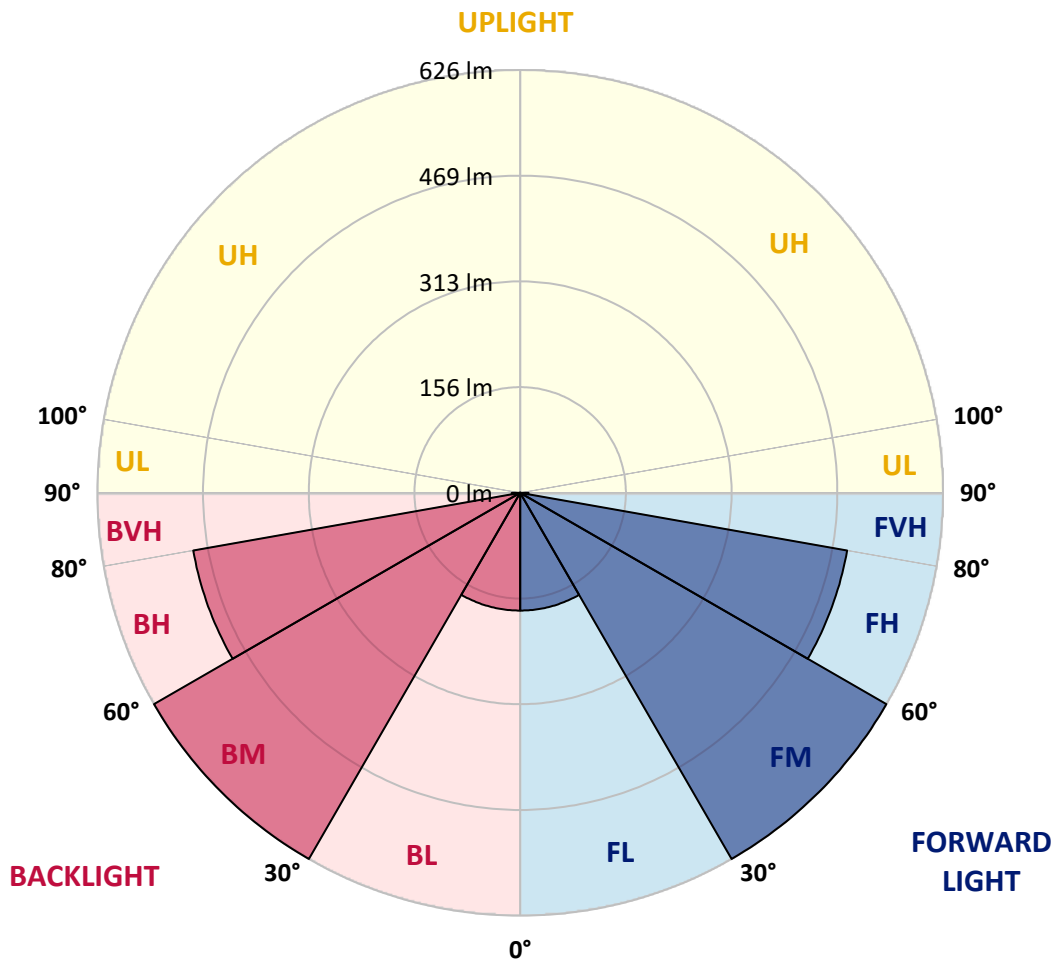
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.2	6.7			
FM (30°-60°)	625.7	24.0			
FH (60°-80°)	491.3	18.8			G0/660
FVH (80°-90°)	12.4	0.5			G1/100
BL (0°-30°)	174.2	6.7	B1/500		
BM (30°-60°)	625.7	24.0	B1/1000		
BH (60°-80°)	491.3	18.8	B1/500		G0/660
BVH (80°-90°)	12.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	516	516	516	516	516	516	516	516	516	516	516
2.5°	502	492	495	498	493	488	492	496	501	506	508
5°	378	382	388	394	400	406	427	448	459	470	480
7.5°	360	358	352	346	343	340	343	346	363	380	421
10°	366	364	364	364	365	366	365	364	364	364	376
12.5°	334	328	332	336	339	342	353	364	373	382	398
15°	330	328	327	326	326	326	330	334	358	382	408
17.5°	342	338	336	334	331	328	328	328	343	358	394
20°	352	344	342	340	339	338	337	336	346	356	389
22.5°	352	346	347	348	346	344	348	352	365	378	395
25°	356	352	351	350	351	352	353	354	370	386	413
27.5°	360	354	356	358	359	360	363	366	380	394	428
30°	368	364	367	370	371	372	372	372	388	404	440
32.5°	382	374	382	390	390	390	388	386	403	420	452
35°	398	396	399	402	407	412	414	416	424	432	465
37.5°	410	404	409	414	422	430	434	438	445	452	479
40°	416	412	421	430	442	454	460	466	469	472	496
42.5°	418	414	428	442	454	466	478	490	494	498	517
45°	426	430	440	450	463	476	493	510	519	528	536
47.5°	446	444	453	462	477	492	514	536	545	554	555
50°	452	458	470	482	495	508	530	552	568	584	589
52.5°	484	476	488	500	515	530	554	578	596	614	618
55°	494	516	524	532	548	564	589	614	634	654	648
57.5°	554	550	561	572	588	604	621	638	669	700	696
60°	588	582	601	620	642	664	690	716	752	788	769
62.5°	594	594	611	628	659	690	739	788	839	890	869
65°	538	536	559	582	624	666	719	772	847	922	909
67.5°	432	462	481	500	534	568	624	680	766	852	853
70°	372	400	409	418	445	472	510	548	612	676	704
72.5°	290	282	301	320	345	370	390	410	438	466	496
75°	178	180	189	198	216	234	256	278	291	304	306
77.5°	94	96	102	108	117	126	137	148	164	180	177
80°	56	56	59	62	65	68	74	80	81	82	84
82.5°	26	30	31	32	33	34	37	40	42	44	41
85°	16	16	16	16	16	16	16	16	17	18	16
87.5°	12	12	12	12	12	12	11	10	10	10	9
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	516	516	516	516	516	516	516	516
2.5°	510	532	554	537	520	517	514	512
5°	484	496	508	528	548	536	524	524
7.5°	464	479	494	511	528	529	530	524
10°	390	437	484	501	518	520	522	528
12.5°	406	427	448	482	516	520	524	528
15°	430	432	434	474	514	519	524	528
17.5°	426	438	450	476	502	510	518	516
20°	416	438	460	463	466	492	518	520
22.5°	412	441	470	468	466	491	516	512
25°	434	456	478	479	480	498	516	516
27.5°	456	469	482	497	512	526	540	528
30°	468	479	490	509	528	540	552	548
32.5°	478	499	520	535	550	564	578	576
35°	492	511	530	549	568	586	604	604
37.5°	500	518	536	559	582	600	618	616
40°	514	526	538	559	580	604	628	624
42.5°	528	535	542	560	578	602	626	628
45°	538	542	546	561	576	606	636	636
47.5°	548	549	550	564	578	609	640	652
50°	578	570	562	576	590	622	654	672
52.5°	604	590	576	589	602	638	674	696
55°	634	615	596	609	622	664	706	712
57.5°	676	656	636	650	664	700	736	748
60°	738	709	680	694	708	741	774	788
62.5°	826	784	742	742	742	771	800	792
65°	874	806	738	735	732	749	766	760
67.5°	826	762	698	689	680	687	694	676
70°	708	651	594	589	584	581	578	560
72.5°	516	485	454	458	462	452	442	424
75°	300	298	296	301	306	297	288	268
77.5°	168	162	156	159	162	156	150	132
80°	86	78	70	73	76	64	52	40
82.5°	36	35	34	32	30	26	22	20
85°	14	14	14	13	12	10	8	8
87.5°	8	7	6	4	2	2	2	0
90°	0	0	0	0	0	0	0	0

(END OF REPORT)