

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: P394760

Luminaire Tested: **303-B2-LEDB4-3500-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394760
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-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 2
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2505.1 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 1.06' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

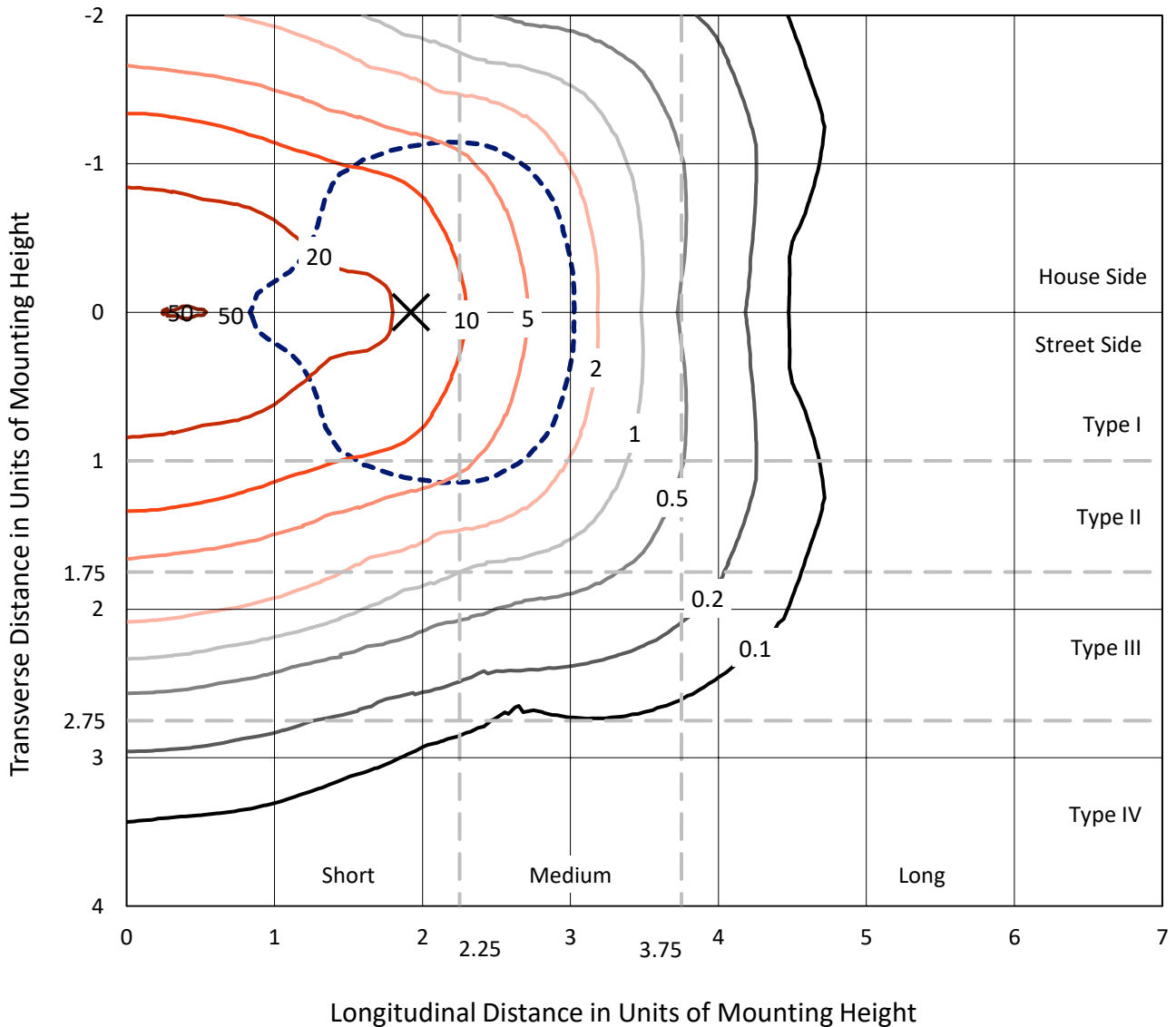
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P394760
 CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T2-DIM10

Iso-Footcandle Lines of Horizontal Illumination

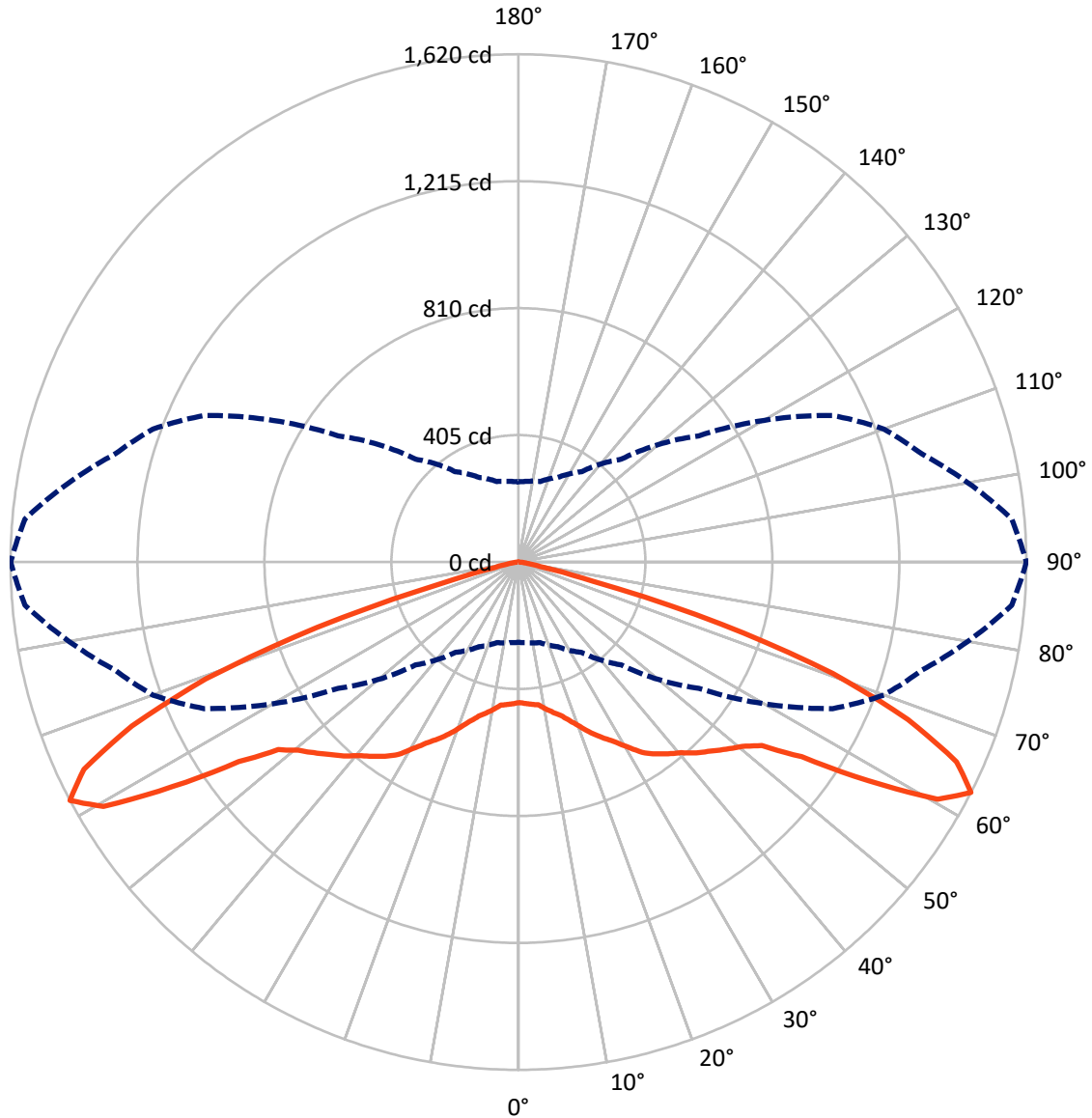
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 51.7 fc
 Type II - Short - N/A

REPORT NUMBER: P394760
CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T2-DIM10

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P394760

CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T2-DIM10

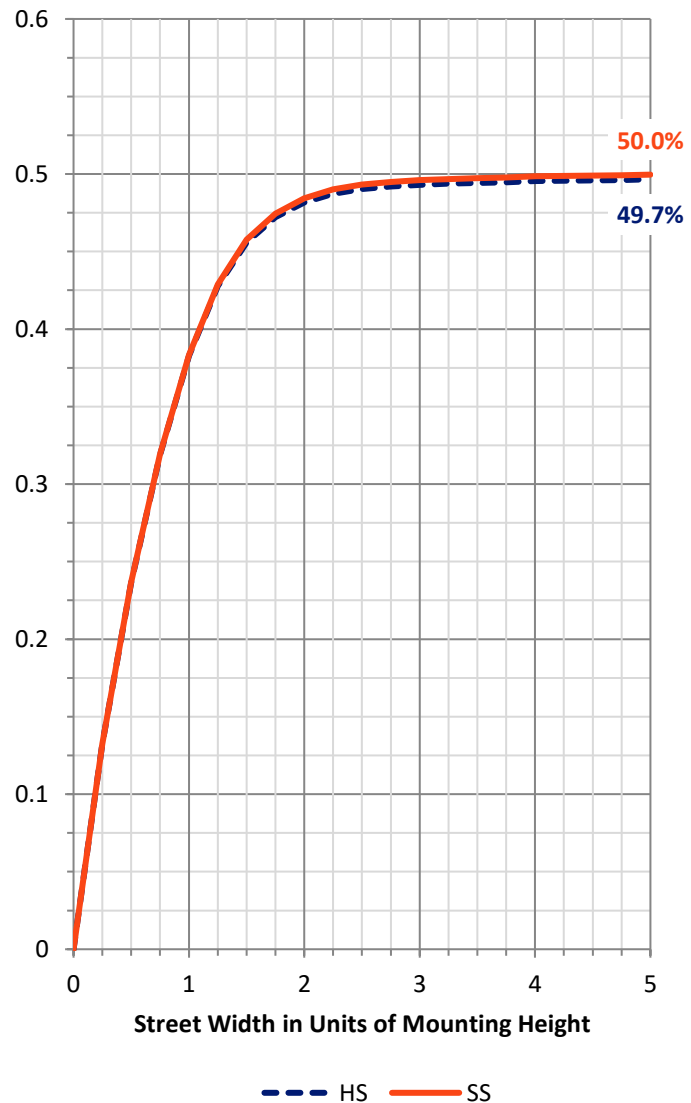
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1252.5	0.0	1252.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1252.5	0.0	1252.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2505.1	0.0	2505.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	1.5
10°-20°	112.1	4.5
20°-30°	200.8	8.0
30°-40°	317.1	12.7
40°-50°	447.1	17.8
50°-60°	585.6	23.4
60°-70°	606.3	24.2
70°-80°	182.1	7.3
80°-90°	16.3	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°	2505.1	100.0
0°-180°	2505.1	100.0



REPORT NUMBER: P394760

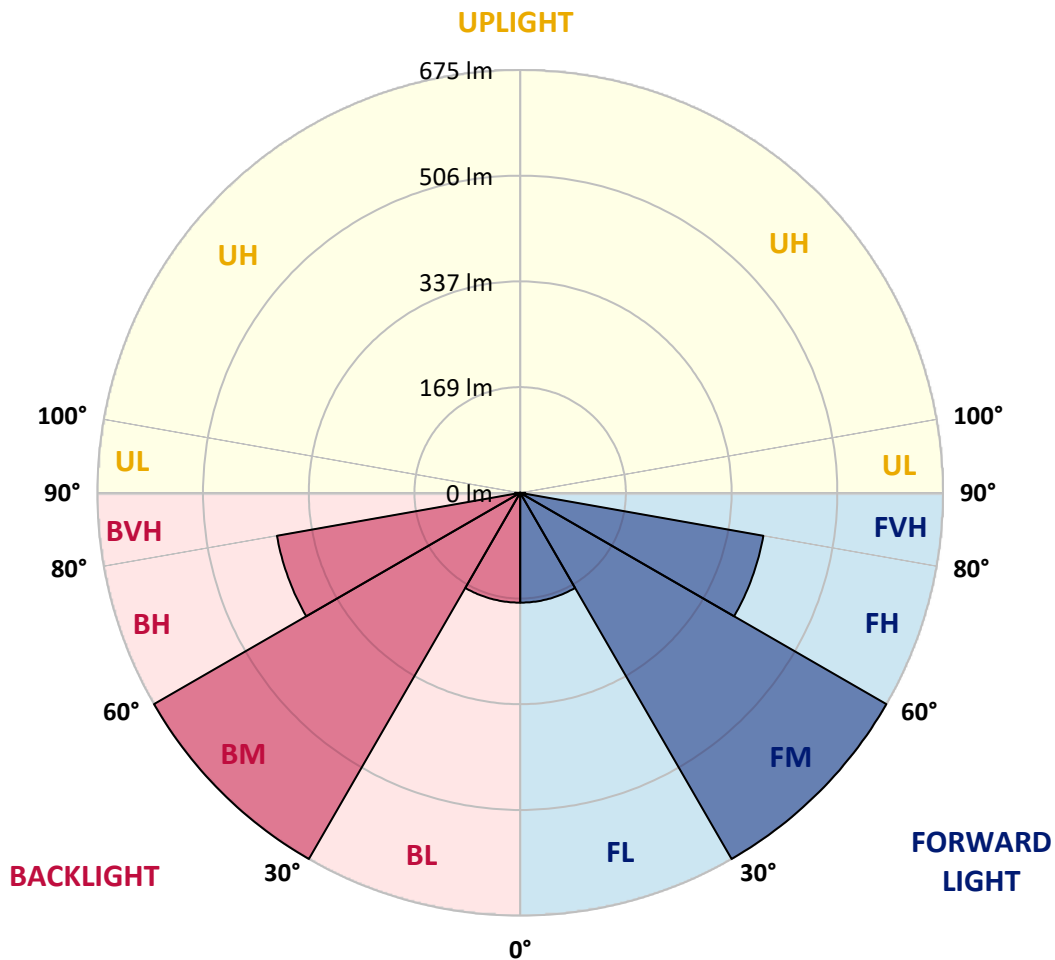
CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T2-DIM10

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.3	7.0			
FM (30°-60°)	674.9	26.9			
FH (60°-80°)	394.2	15.7			G0/660
FVH (80°-90°)	8.1	0.3			G0/10
BL (0°-30°)	175.3	7.0	B1/500		
BM (30°-60°)	674.9	26.9	B1/1000		
BH (60°-80°)	394.2	15.7	B1/500		G1/500
BVH (80°-90°)	8.1	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P394760
 CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T2-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	448	448	448	448	448	448	448	448	448	448	448
2.5°	432	416	418	420	425	430	425	420	420	420	430
5°	364	360	362	364	367	370	370	370	378	386	399
7.5°	314	316	317	318	324	330	339	348	364	380	393
10°	328	322	322	322	320	318	316	314	329	344	368
12.5°	332	324	329	334	336	338	340	342	345	348	367
15°	332	320	321	322	328	334	337	340	355	370	382
17.5°	330	314	316	318	322	326	327	328	355	382	401
20°	330	328	327	326	325	324	325	326	349	372	403
22.5°	340	330	331	332	333	334	331	328	351	374	401
25°	332	330	330	330	334	338	342	346	365	384	407
27.5°	338	336	336	336	338	340	345	350	376	402	433
30°	344	340	342	344	347	350	355	360	385	410	446
32.5°	370	350	351	352	356	360	366	372	399	426	467
35°	376	364	366	368	373	378	384	390	417	444	487
37.5°	382	382	382	382	391	400	404	408	436	464	503
40°	400	400	401	402	409	416	422	428	455	482	519
42.5°	422	420	424	428	431	434	443	452	468	484	529
45°	446	434	434	434	446	458	466	474	500	526	562
47.5°	440	440	439	438	451	464	476	488	519	550	581
50°	442	440	444	448	457	466	484	502	533	564	606
52.5°	432	440	438	436	452	468	485	502	538	574	619
55°	394	394	402	410	430	450	477	504	540	576	632
57.5°	360	354	357	360	378	396	435	474	524	574	647
60°	300	290	300	310	330	350	389	428	488	548	640
62.5°	256	258	262	266	282	298	325	352	408	464	583
65°	210	206	208	210	226	242	264	286	323	360	488
67.5°	122	120	123	126	140	154	181	208	236	264	364
70°	62	64	65	66	71	76	95	114	147	180	245
72.5°	48	46	47	48	49	50	56	62	84	106	158
75°	34	34	35	36	36	36	37	38	45	52	103
77.5°	28	28	27	26	26	26	26	26	29	32	63
80°	22	22	22	22	22	22	22	22	23	24	34
82.5°	18	18	18	18	17	16	16	16	16	16	18
85°	16	14	14	14	14	14	14	14	13	12	12
87.5°	14	14	14	14	13	12	12	12	11	10	9
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P394760
 CATALOG NUMBER: 303-B2-LEDB4-3500-UNV-T2-DIM10

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	448	448	448	448	448	448	448	448
2.5°	440	450	460	454	450	448	446	452
5°	412	425	438	449	460	457	454	456
7.5°	406	416	426	444	458	461	464	460
10°	392	416	440	455	470	473	476	476
12.5°	386	417	448	469	486	491	496	492
15°	394	416	438	476	504	510	516	508
17.5°	420	431	442	489	526	533	540	532
20°	434	449	464	502	548	557	566	560
22.5°	428	462	496	511	536	567	598	592
25°	430	476	522	539	556	591	626	620
27.5°	464	499	534	568	594	625	656	648
30°	482	524	566	605	632	661	690	684
32.5°	508	544	580	635	678	699	720	724
35°	530	569	608	667	712	732	752	752
37.5°	542	582	622	675	724	746	768	776
40°	556	594	632	688	742	773	804	800
42.5°	574	613	652	703	750	791	832	832
45°	598	630	662	716	768	813	858	860
47.5°	612	645	678	728	778	830	882	892
50°	648	679	710	755	804	852	900	924
52.5°	664	704	744	792	846	894	942	972
55°	688	737	786	848	906	980	1054	1096
57.5°	720	805	890	963	1032	1153	1274	1316
60°	732	885	1038	1151	1232	1375	1518	1536
62.5°	702	904	1106	1241	1332	1456	1580	1620
65°	616	853	1090	1233	1312	1398	1484	1536
67.5°	464	718	972	1104	1178	1245	1312	1340
70°	310	533	756	888	978	1006	1034	1064
72.5°	210	364	518	612	670	683	696	676
75°	154	232	310	338	342	313	284	244
77.5°	94	119	144	143	142	113	84	80
80°	44	53	62	57	60	49	38	36
82.5°	20	24	28	30	36	29	22	20
85°	12	12	12	12	12	10	8	8
87.5°	8	7	6	6	4	3	2	0
90°	0	0	0	0	0	0	0	0

(END OF REPORT)