

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: P394744

Luminaire Tested: **303-B1-LEDB2-3500-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-3)
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-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 5
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1253.1 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')
IES Classification: Type I - Short
BUG Rating: B0 - U0 - G0

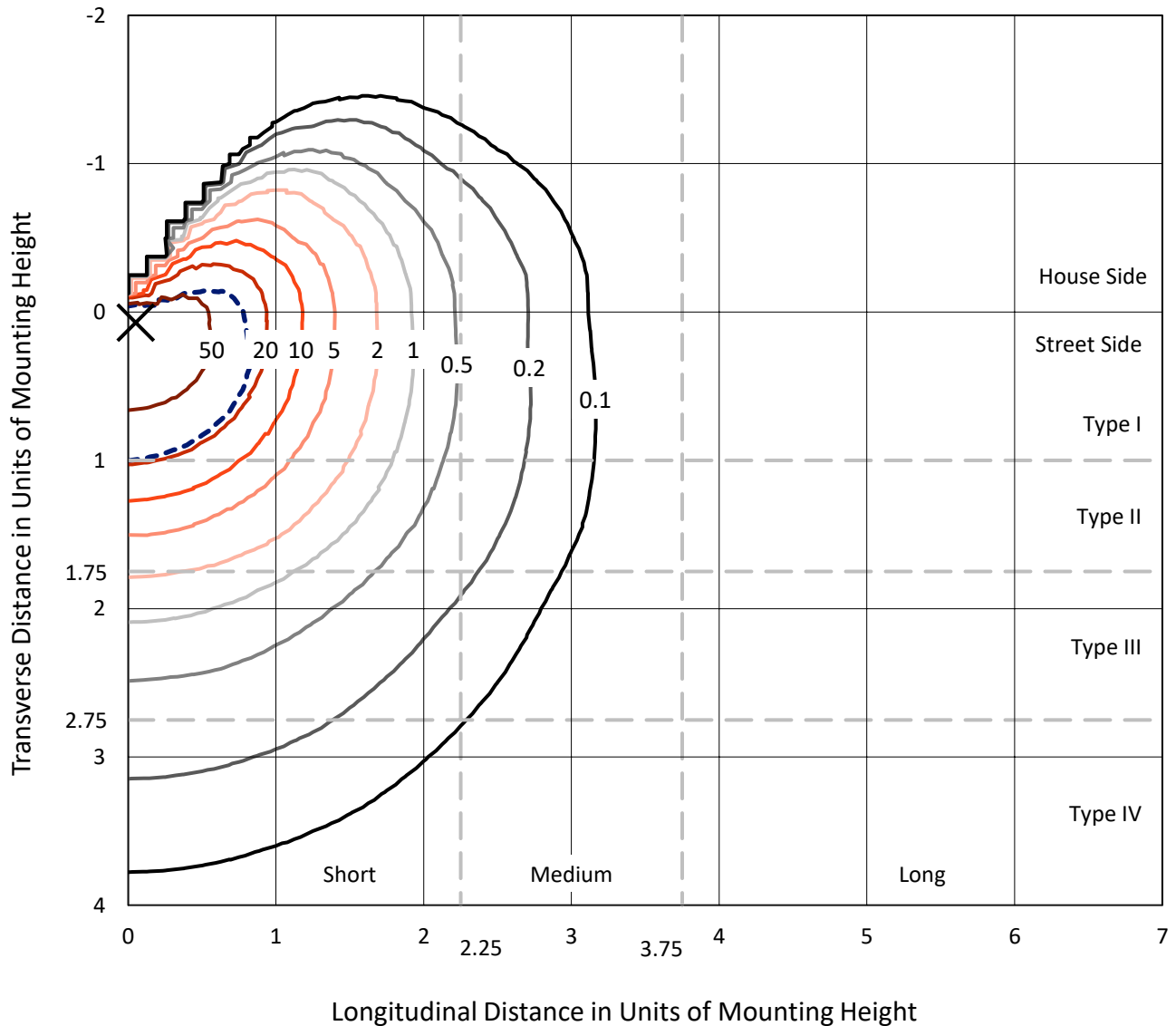
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P394744
 CATALOG NUMBER: 303-B1-LEDB2-3500-UNV-T5X-DIM10

Iso-Footcandle Lines of Horizontal Illumination

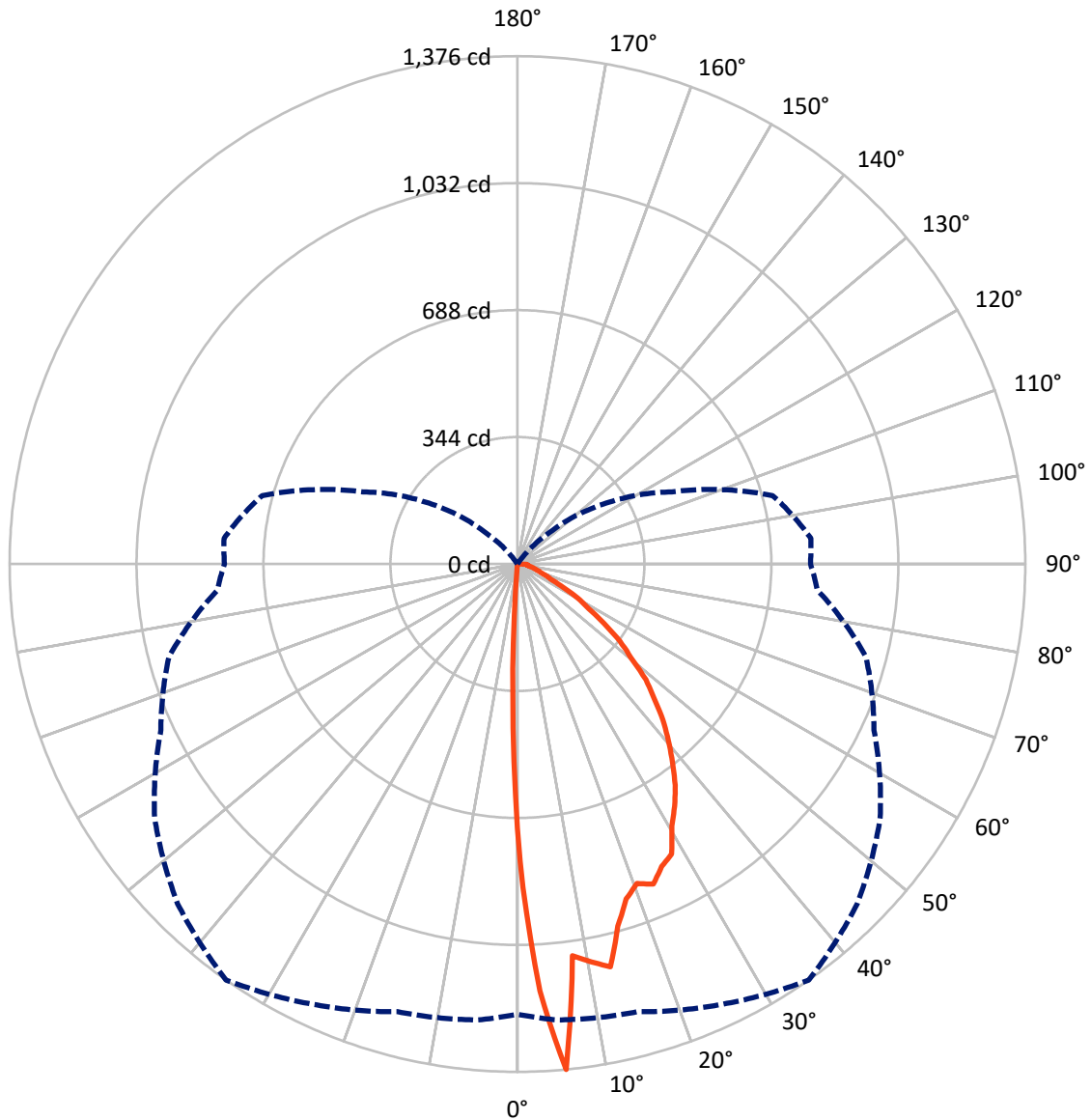
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 118.2 fc
 Type I - Short - N/A

REPORT NUMBER: P394744
CATALOG NUMBER: 303-B1-LEDB2-3500-UNV-T5X-DIM10

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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CATALOG NUMBER: 303-B1-LEDB2-3500-UNV-T5X-DIM10

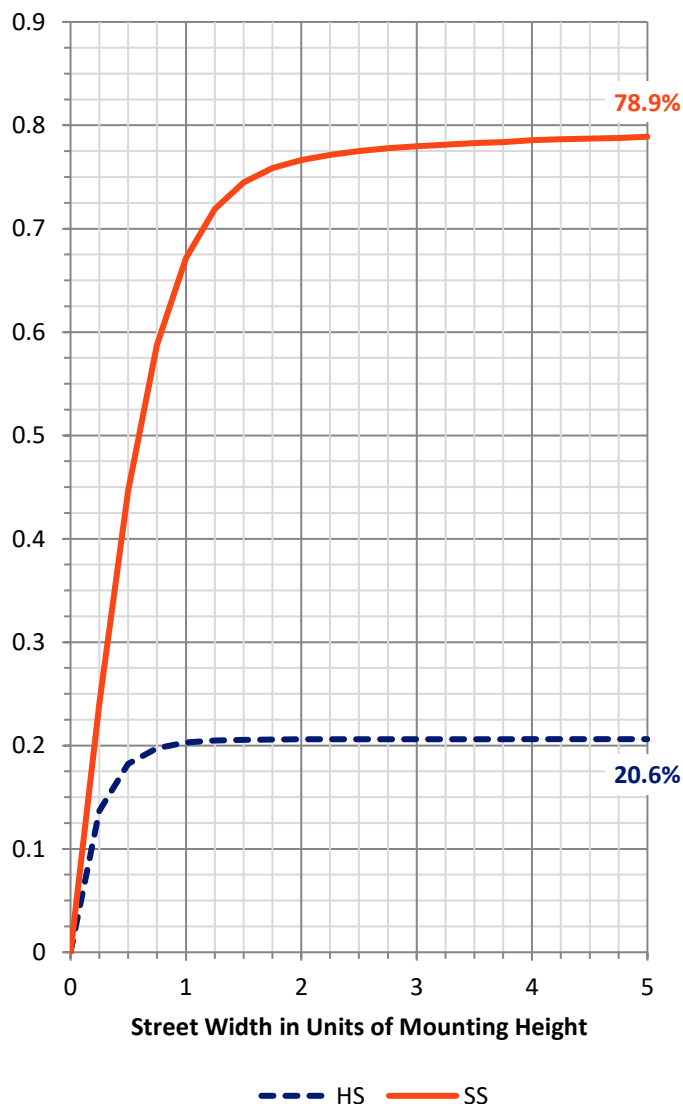
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	261.0	0.0	261.0
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	992.1	0.0	992.1
	% Fixture	79.2	0.0	79.2
Total	Lumens	1253.1	0.0	1253.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	5.2
10°-20°	169.7	13.5
20°-30°	246.5	19.7
30°-40°	278.1	22.2
40°-50°	244.7	19.5
50°-60°	152.1	12.1
60°-70°	61.5	4.9
70°-80°	25.2	2.0
80°-90°	9.7	0.8
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°	1253.1	100.0
0°-180°	1253.1	100.0

Coefficient of Utilization



REPORT NUMBER: P394744

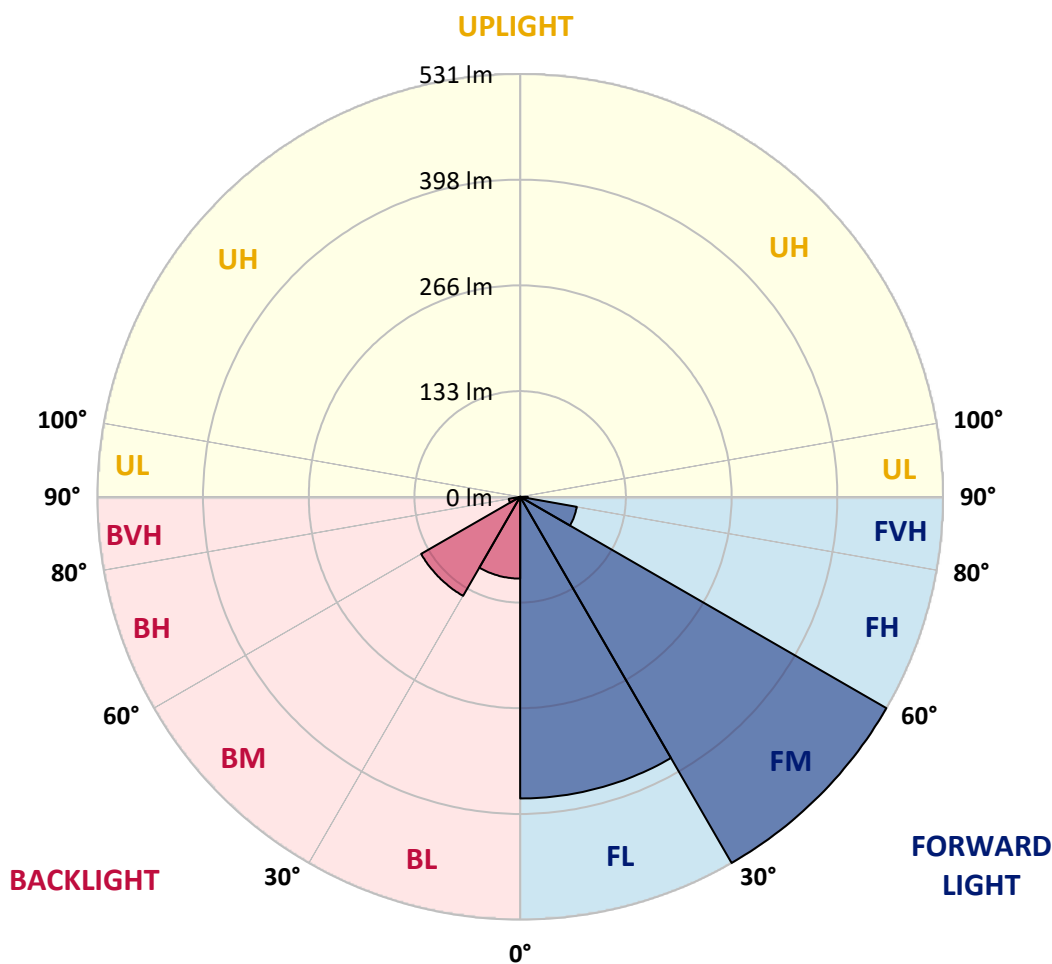
CATALOG NUMBER: 303-B1-LEDB2-3500-UNV-T5X-DIM10

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.0	30.2			
FM (30°-60°)	531.3	42.4			
FH (60°-80°)	72.2	5.8			G0/660
FVH (80°-90°)	9.6	0.8			G0/10
BL (0°-30°)	102.8	8.2	B0/110		
BM (30°-60°)	143.7	11.5	B0/220		
BH (60°-80°)	14.5	1.2	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type I Short





REPORT NUMBER: P394744

CATALOG NUMBER: 303-B1-LEDB2-3500-UNV-T5X-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	806	806	806	806	806	806	806	806	806	806	806
2.5°	1240	1212	1176	1178	1158	1156	1136	894	818	804	804
5°	1220	1240	1256	1316	1376	1302	1200	1066	978	816	794
7.5°	1066	1048	1062	1064	1072	1108	1190	1050	942	812	788
10°	1178	1166	1186	1164	1096	978	954	1048	904	786	782
12.5°	1034	1026	1054	1114	1120	1076	932	924	892	766	770
15°	988	984	988	972	1018	1056	986	836	872	772	768
17.5°	976	976	956	948	954	960	970	838	844	766	748
20°	984	972	960	964	924	926	934	894	784	742	730
22.5°	932	922	946	944	942	892	868	866	750	730	722
25°	904	900	894	896	908	892	844	846	720	688	702
27.5°	868	860	862	862	890	856	808	796	704	666	670
30°	832	834	832	830	824	806	788	766	710	658	644
32.5°	788	776	790	778	782	766	746	736	678	630	614
35°	748	742	746	744	736	720	694	680	640	596	590
37.5°	706	694	704	708	682	674	656	638	594	552	552
40°	652	656	646	648	630	622	606	584	554	516	508
42.5°	608	594	586	590	578	574	560	546	502	470	466
45°	546	540	540	530	518	518	496	486	458	428	428
47.5°	484	482	470	470	468	464	444	424	406	370	374
50°	428	426	420	422	398	396	384	364	342	324	322
52.5°	362	358	358	348	348	342	324	312	292	274	274
55°	294	296	294	286	284	280	264	252	238	216	210
57.5°	240	248	236	230	228	224	218	204	184	166	162
60°	164	164	166	180	188	176	170	154	140	124	120
62.5°	130	130	130	126	138	134	130	120	106	92	88
65°	106	106	104	102	100	104	100	88	80	70	68
67.5°	90	88	90	86	82	80	78	72	64	54	52
70°	76	76	74	70	66	60	62	56	50	42	42
72.5°	64	64	62	60	54	50	46	46	38	32	30
75°	54	54	52	50	46	42	36	32	28	22	20
77.5°	48	46	46	42	38	34	28	24	20	14	14
80°	40	40	40	36	32	28	24	18	14	8	6
82.5°	36	34	34	32	28	24	18	12	8	4	2
85°	32	32	30	28	26	20	16	10	4	0	0
87.5°	30	30	28	26	24	20	14	10	4	0	0
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P394744

CATALOG NUMBER: 303-B1-LEDB2-3500-UNV-T5X-DIM10

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	806	806	806	806	806	806	806	806	806	806
2.5°	802	806	796	510	366	354	356	354	340	332
5°	798	716	462	282	114	0	0	0	0	0
7.5°	792	684	460	274	116	0	0	0	0	0
10°	774	674	454	294	114	0	0	0	0	0
12.5°	774	668	444	306	112	0	0	0	0	0
15°	766	658	442	308	112	0	0	0	0	0
17.5°	748	652	434	302	110	0	0	0	0	0
20°	724	630	424	298	108	0	0	0	0	0
22.5°	714	596	414	282	104	0	0	0	0	0
25°	686	580	402	274	100	0	0	0	0	0
27.5°	670	556	388	260	96	0	0	0	0	0
30°	628	552	368	260	92	0	0	0	0	0
32.5°	614	532	356	248	86	0	0	0	0	0
35°	574	508	338	234	82	0	0	0	0	0
37.5°	548	472	312	218	74	0	0	0	0	0
40°	510	438	292	198	38	0	0	0	0	0
42.5°	460	396	268	184	64	0	0	0	0	0
45°	422	360	242	154	58	0	0	0	0	0
47.5°	368	316	208	146	50	0	0	0	0	0
50°	318	270	178	126	44	0	0	0	0	0
52.5°	264	228	148	106	36	0	0	0	0	0
55°	208	178	122	86	28	0	0	0	0	0
57.5°	160	142	96	66	22	0	0	0	0	0
60°	122	102	74	44	16	0	0	0	0	0
62.5°	88	74	52	34	12	0	0	0	0	0
65°	68	56	36	24	8	0	0	0	0	0
67.5°	52	42	28	16	4	0	0	0	0	0
70°	42	32	20	10	4	0	0	0	0	0
72.5°	30	24	16	8	2	0	0	0	0	0
75°	20	16	10	4	0	0	0	0	0	0
77.5°	12	10	4	2	0	0	0	0	0	0
80°	6	4	2	0	0	0	0	0	0	0
82.5°	2	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)