

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: P394708

Luminaire Tested: **303-B1-LEDB2-3500-UNV-T2-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394708  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-1)  
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-T2-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 2  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1253.6 lumens  
Efficiency: N/A  
Efficacy: 80.9 lumens/watt  
Luminous Opening: Rectangular (W 0.38' x L: 0.42' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G0

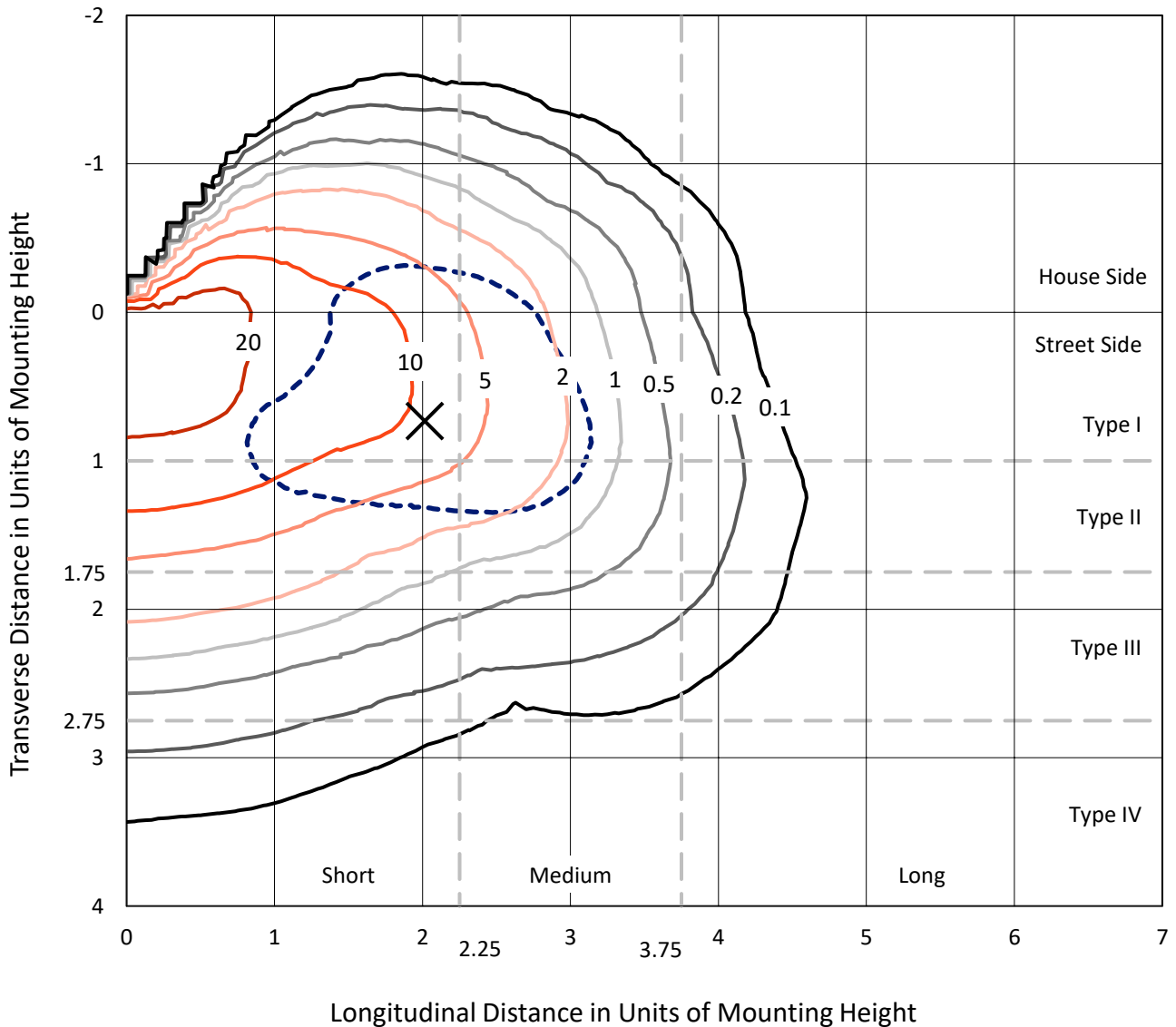
Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

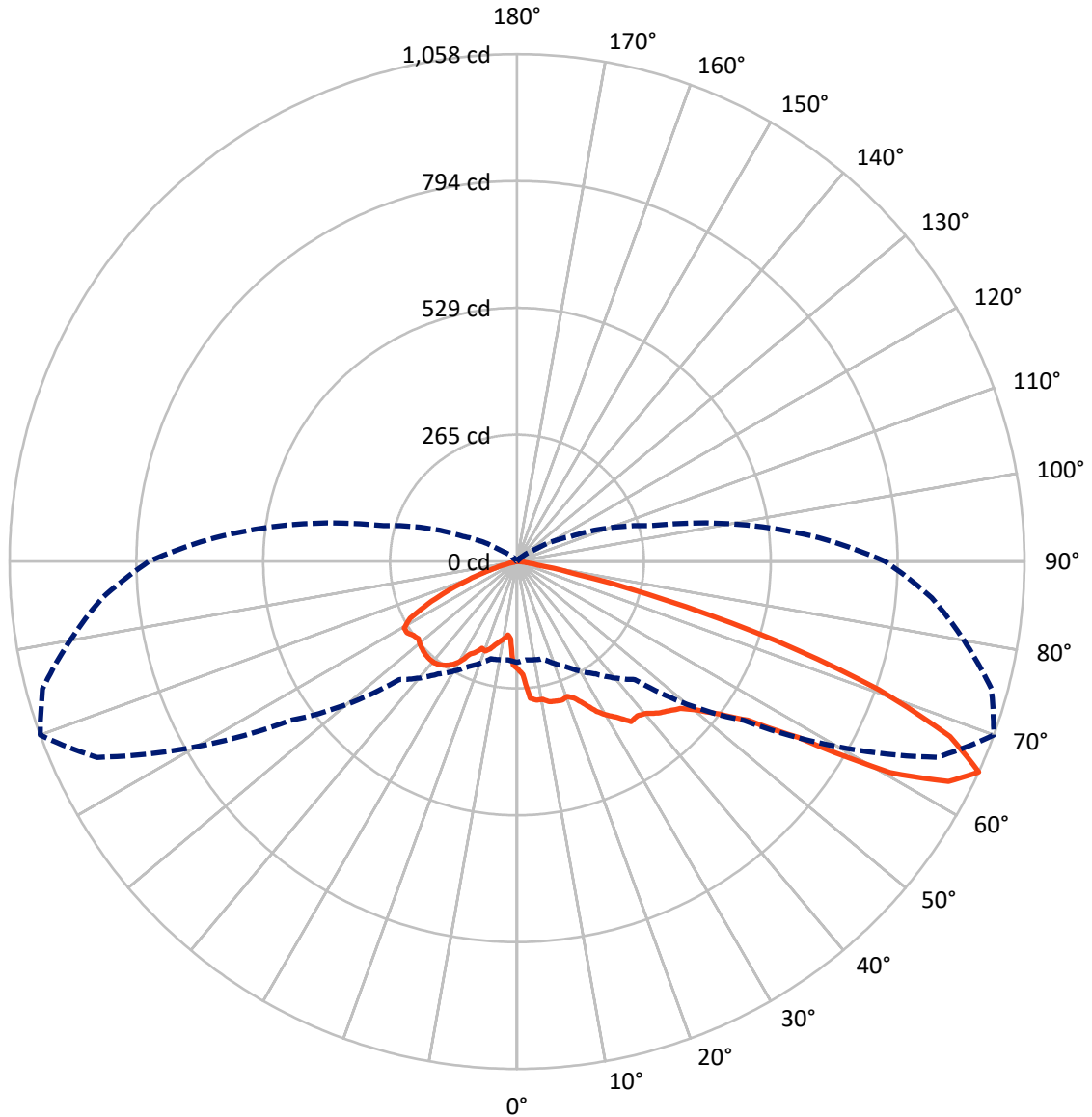
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 34.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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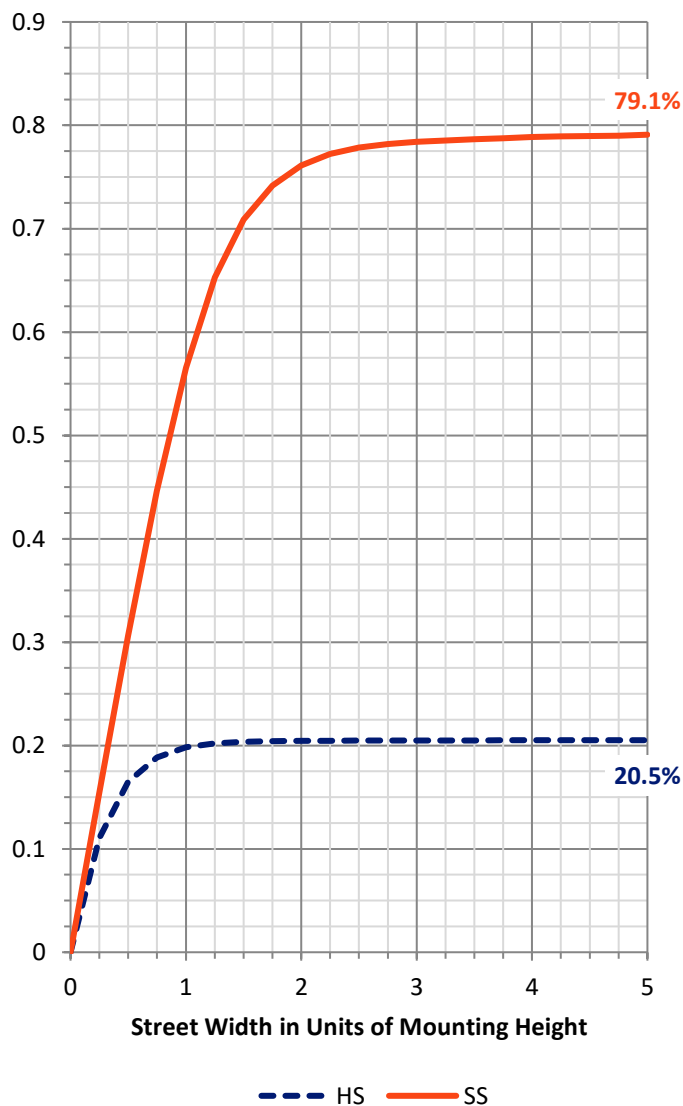
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	259.4	0.0	259.4
	% Fixture	20.7	0.0	20.7
<b>Street Side</b>	Lumens	994.2	0.0	994.2
	% Fixture	79.3	0.0	79.3
<b>Total</b>	Lumens	1253.6	0.0	1253.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.8	1.5
10°-20°	56.1	4.5
20°-30°	100.4	8.0
30°-40°	158.6	12.7
40°-50°	223.6	17.8
50°-60°	292.8	23.4
60°-70°	303.8	24.2
70°-80°	91.3	7.3
80°-90°	8.1	0.6
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°	1253.6	100.0
0°-180°	1253.6	100.0

**Coefficient of Utilization**



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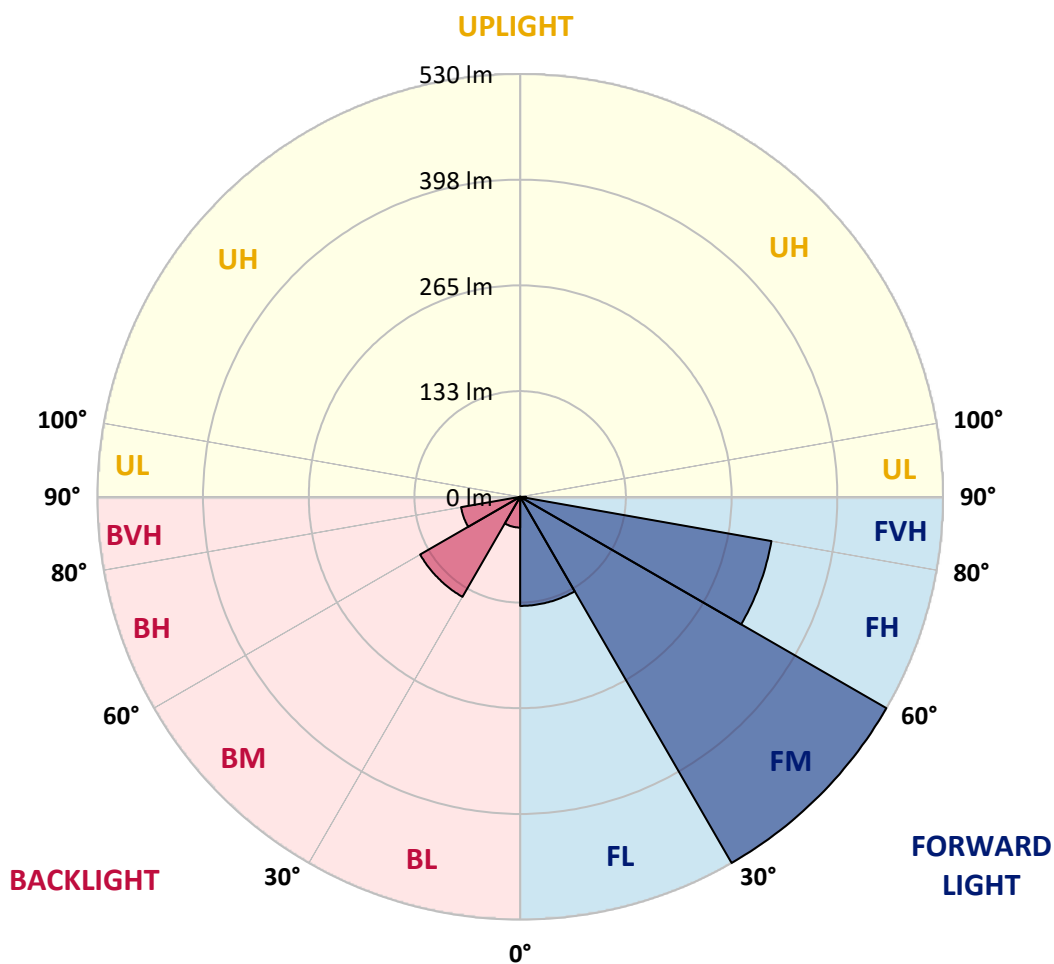
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.8	10.9			
FM (30°-60°)	530.2	42.3			
FH (60°-80°)	319.9	25.5			G0/660
FVH (80°-90°)	7.4	0.6			G0/10
BL (0°-30°)	38.5	3.1	B0/110		
BM (30°-60°)	144.9	11.6	B0/220		
BH (60°-80°)	75.2	6.0	B0/110		G0/110
BVH (80°-90°)	0.7	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-G0**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	224	224	224	224	224	224	224	224	224	224	224
2.5°	354	336	332	334	320	314	296	250	236	228	224
5°	364	360	364	370	366	362	338	304	286	270	228
7.5°	314	316	318	330	344	352	330	306	292	270	234
10°	328	322	322	318	312	312	324	308	292	276	240
12.5°	332	324	334	338	340	314	306	312	300	282	248
15°	332	320	322	334	338	336	308	296	302	288	258
17.5°	330	314	318	326	326	346	328	292	304	296	270
20°	330	328	326	324	324	334	334	308	300	308	282
22.5°	340	330	332	334	326	336	338	332	310	310	296
25°	332	330	330	338	344	344	342	346	330	316	312
27.5°	338	336	336	340	348	360	350	362	354	332	326
30°	344	340	344	350	358	368	362	372	372	348	342
32.5°	370	350	352	360	372	384	380	380	388	372	356
35°	376	364	368	378	390	402	402	400	410	394	372
37.5°	382	382	382	400	408	422	414	410	408	398	376
40°	400	400	402	416	428	442	430	418	416	410	396
42.5°	422	420	428	434	452	464	458	438	432	418	412
45°	446	434	434	458	472	488	484	452	444	434	430
47.5°	440	440	438	464	486	512	518	474	458	444	444
50°	442	440	448	466	500	530	544	510	486	472	454
52.5°	432	440	436	468	500	542	566	552	528	516	482
55°	394	394	410	450	502	548	598	596	584	566	542
57.5°	360	354	360	396	474	550	640	700	692	676	684
60°	300	290	310	350	428	528	666	856	894	868	850
62.5°	256	258	266	298	352	448	650	942	1010	992	904
65°	210	206	210	242	286	348	578	966	1058	1024	868
67.5°	122	120	126	154	208	254	436	882	974	950	772
70°	62	64	66	76	114	174	292	698	800	818	606
72.5°	48	46	48	50	62	102	198	484	564	574	414
75°	34	34	36	36	38	50	146	290	316	294	168
77.5°	28	28	26	26	26	30	90	134	128	122	48
80°	22	22	22	22	22	22	40	56	44	50	22
82.5°	18	18	18	16	16	16	18	24	22	30	12
85°	16	14	14	14	14	12	12	10	10	10	4
87.5°	14	14	14	12	12	10	8	6	6	4	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°	224	224	224	224	224	224	224	224	224	224	224
2.5°	226	222	222	210	144	106	100	96	88	80	78
5°	228	226	190	134	74	24	4	0	0	0	0
7.5°	230	230	188	120	76	28	4	0	0	0	0
10°	238	236	194	132	68	32	2	0	0	0	0
12.5°	246	248	204	136	80	34	2	0	0	0	0
15°	254	258	216	142	86	34	2	0	0	0	0
17.5°	266	270	230	150	92	36	2	0	0	0	0
20°	280	284	240	156	100	38	2	0	0	0	0
22.5°	296	302	226	164	90	38	2	0	0	0	0
25°	310	314	240	176	88	40	2	0	0	0	0
27.5°	324	330	262	172	114	42	2	0	0	0	0
30°	342	348	284	194	120	42	2	0	0	0	0
32.5°	362	364	306	200	128	42	0	0	0	0	0
35°	376	380	318	208	128	42	0	0	0	0	0
37.5°	388	392	326	212	128	42	0	0	0	0	0
40°	400	408	332	214	126	40	0	0	0	0	0
42.5°	416	420	332	214	116	20	0	0	0	0	0
45°	430	428	334	210	114	38	2	0	0	0	0
47.5°	446	438	334	204	94	38	2	0	0	0	0
50°	462	446	332	200	104	34	2	0	0	0	0
52.5°	486	460	330	192	98	32	2	0	0	0	0
55°	548	512	340	190	90	28	2	0	0	0	0
57.5°	658	590	356	190	80	24	0	0	0	0	0
60°	768	668	364	182	66	20	0	0	0	0	0
62.5°	810	676	340	164	52	16	0	0	0	0	0
65°	768	616	288	124	38	12	0	0	0	0	0
67.5°	670	540	228	90	28	10	0	0	0	0	0
70°	532	428	160	58	18	6	0	0	0	0	0
72.5°	338	282	96	34	12	4	0	0	0	0	0
75°	122	116	48	20	8	2	0	0	0	0	0
77.5°	40	36	20	10	4	2	0	0	0	0	0
80°	18	16	10	6	4	2	0	0	0	0	0
82.5°	10	10	6	4	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)