

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: G3-2001-660-3

Luminaire Tested: **303-B1-LEDB1-3500-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: G3-2001-660-3
Test Lab: INNOVATION CENTER (G3)
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB1-3500-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 5
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 626.6 lumens
Efficiency: N/A
Efficacy: 0.0 lumens/watt
Luminous Opening: Rectangular (W 0.21' x L: 0.38' x H: 0')
IES Classification: Type I - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 803451
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

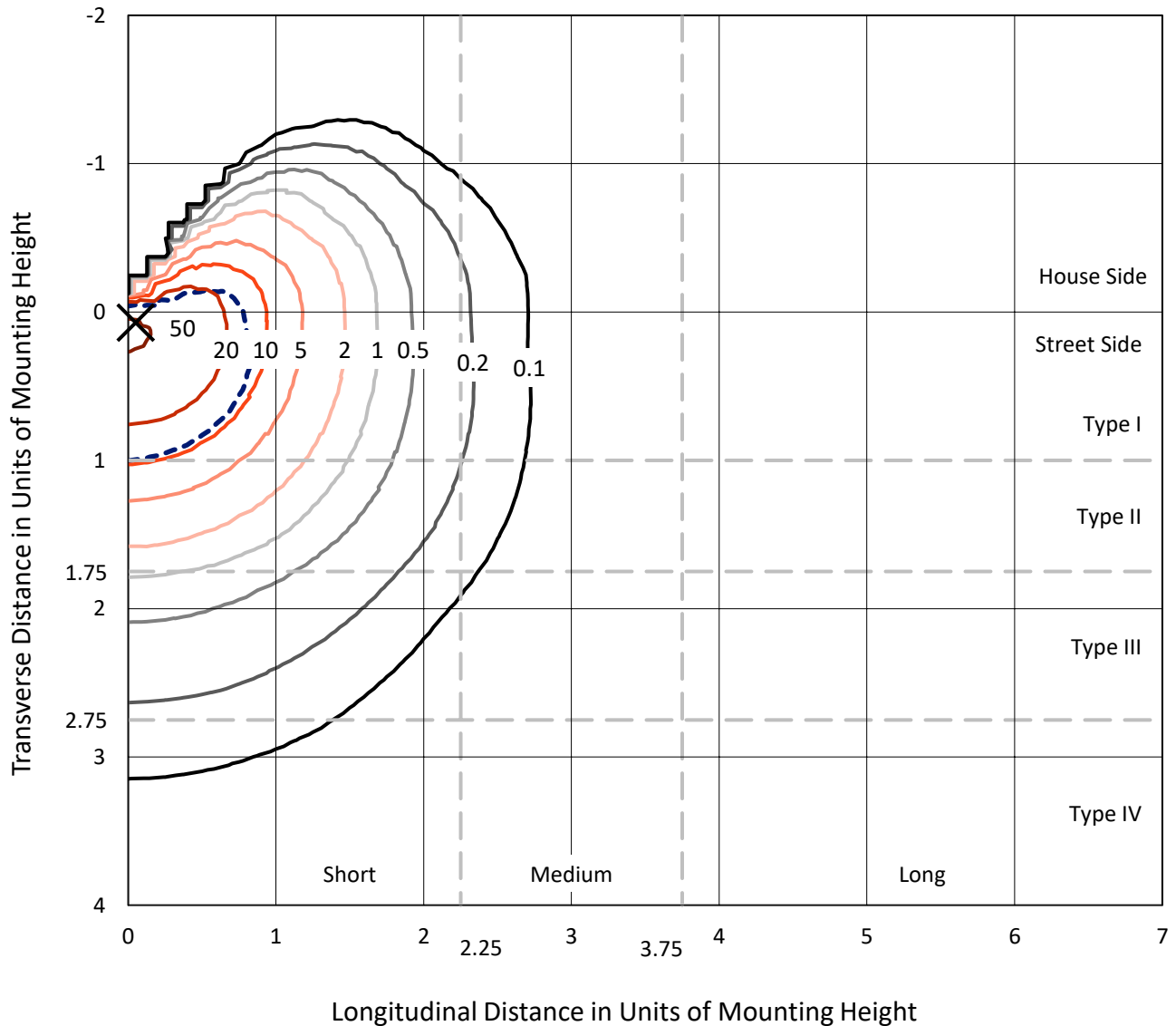


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Iso-Footcandle Lines of Horizontal Illumination

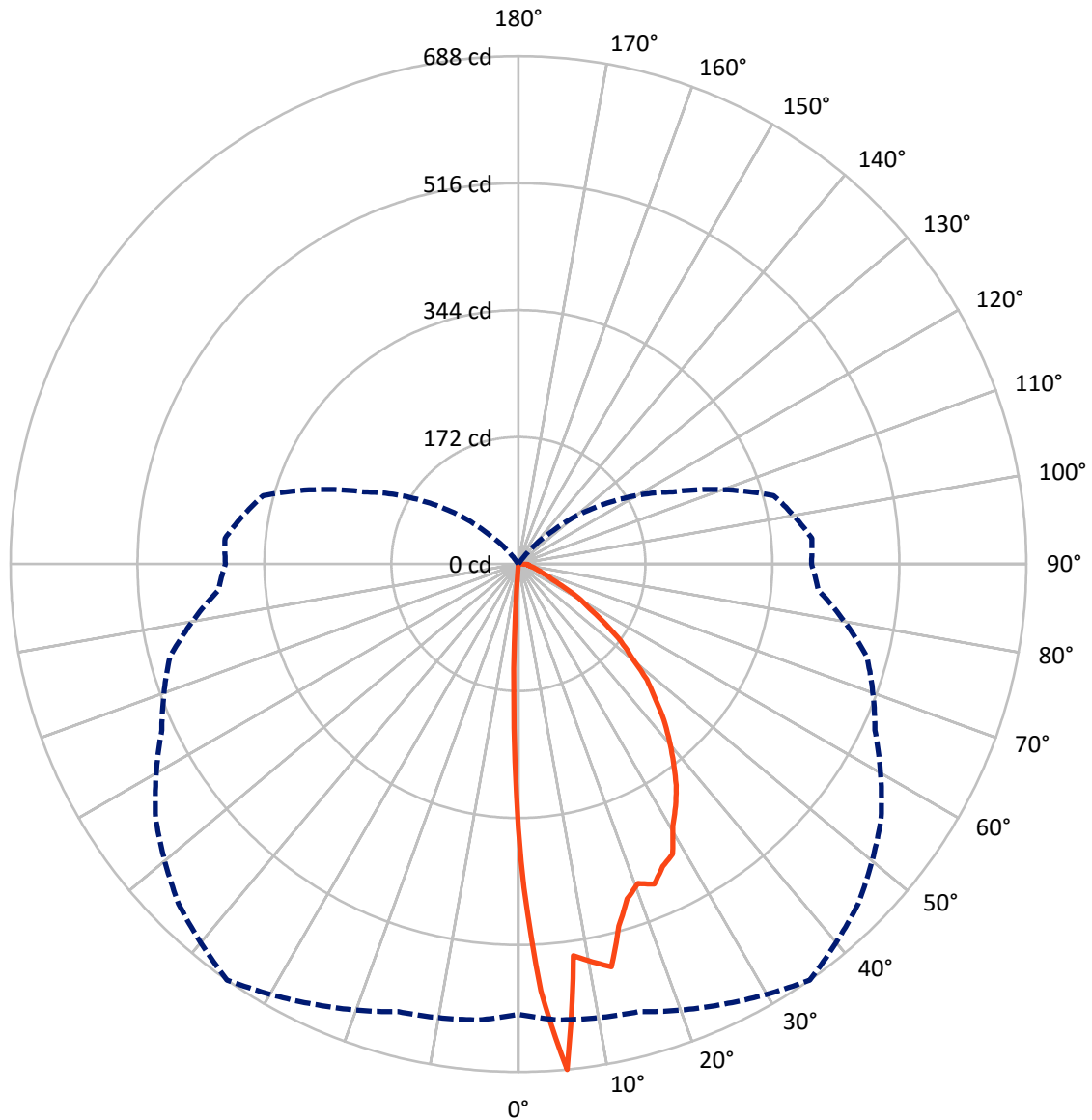
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 59.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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

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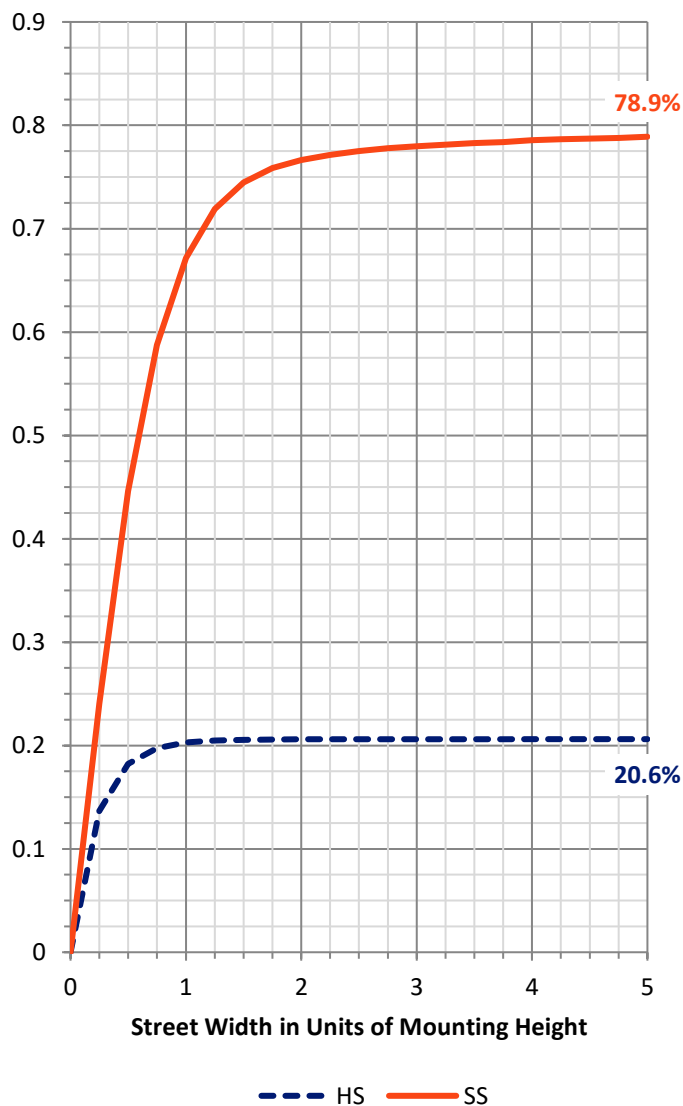
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	130.5	0.0	130.5
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	496.1	0.0	496.1
	% Fixture	79.2	0.0	79.2
Total	Lumens	626.6	0.0	626.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	5.2
10°-20°	84.8	13.5
20°-30°	123.3	19.7
30°-40°	139.0	22.2
40°-50°	122.4	19.5
50°-60°	76.1	12.1
60°-70°	30.7	4.9
70°-80°	12.6	2.0
80°-90°	4.9	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°	626.6	100.0
0°-180°	626.6	100.0

Coefficient of Utilization



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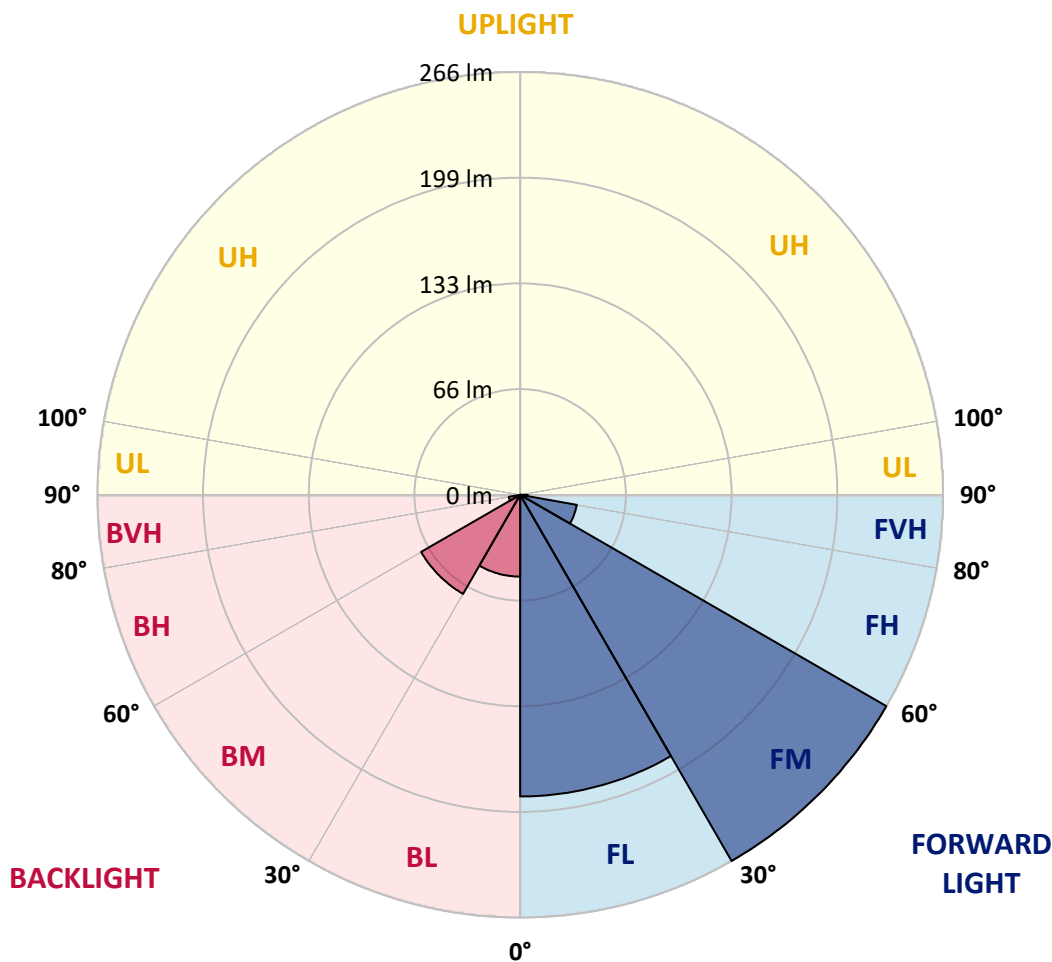
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.5	30.2			
FM (30°-60°)	265.6	42.4			
FH (60°-80°)	36.1	5.8			G0/660
FVH (80°-90°)	4.8	0.8			G0/10
BL (0°-30°)	51.4	8.2	B0/110		
BM (30°-60°)	71.8	11.5	B0/220		
BH (60°-80°)	7.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	403	403	403	403	403	403	403	403	403	403	403
2.5°	620	606	588	589	579	578	568	447	409	402	402
5°	610	620	628	658	688	651	600	533	489	408	397
7.5°	533	524	531	532	536	554	595	525	471	406	394
10°	589	583	593	582	548	489	477	524	452	393	391
12.5°	517	513	527	557	560	538	466	462	446	383	385
15°	494	492	494	486	509	528	493	418	436	386	384
17.5°	488	488	478	474	477	480	485	419	422	383	374
20°	492	486	480	482	462	463	467	447	392	371	365
22.5°	466	461	473	472	471	446	434	433	375	365	361
25°	452	450	447	448	454	446	422	423	360	344	351
27.5°	434	430	431	431	445	428	404	398	352	333	335
30°	416	417	416	415	412	403	394	383	355	329	322
32.5°	394	388	395	389	391	383	373	368	339	315	307
35°	374	371	373	372	368	360	347	340	320	298	295
37.5°	353	347	352	354	341	337	328	319	297	276	276
40°	326	328	323	324	315	311	303	292	277	258	254
42.5°	304	297	293	295	289	287	280	273	251	235	233
45°	273	270	270	265	259	259	248	243	229	214	214
47.5°	242	241	235	235	234	232	222	212	203	185	187
50°	214	213	210	211	199	198	192	182	171	162	161
52.5°	181	179	179	174	174	171	162	156	146	137	137
55°	147	148	147	143	142	140	132	126	119	108	105
57.5°	120	124	118	115	114	112	109	102	92	83	81
60°	82	82	83	90	94	88	85	77	70	62	60
62.5°	65	65	65	63	69	67	65	60	53	46	44
65°	53	53	52	51	50	52	50	44	40	35	34
67.5°	45	44	45	43	41	40	39	36	32	27	26
70°	38	38	37	35	33	30	31	28	25	21	21
72.5°	32	32	31	30	27	25	23	23	19	16	15
75°	27	27	26	25	23	21	18	16	14	11	10
77.5°	24	23	23	21	19	17	14	12	10	7	7
80°	20	20	20	18	16	14	12	9	7	4	3
82.5°	18	17	17	16	14	12	9	6	4	2	1
85°	16	16	15	14	13	10	8	5	2	0	0
87.5°	15	15	14	13	12	10	7	5	2	0	0
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	403	403	403	403	403	403	403	403	403	403
2.5°	401	403	398	255	183	177	178	177	170	166
5°	399	358	231	141	57	0	0	0	0	0
7.5°	396	342	230	137	58	0	0	0	0	0
10°	387	337	227	147	57	0	0	0	0	0
12.5°	387	334	222	153	56	0	0	0	0	0
15°	383	329	221	154	56	0	0	0	0	0
17.5°	374	326	217	151	55	0	0	0	0	0
20°	362	315	212	149	54	0	0	0	0	0
22.5°	357	298	207	141	52	0	0	0	0	0
25°	343	290	201	137	50	0	0	0	0	0
27.5°	335	278	194	130	48	0	0	0	0	0
30°	314	276	184	130	46	0	0	0	0	0
32.5°	307	266	178	124	43	0	0	0	0	0
35°	287	254	169	117	41	0	0	0	0	0
37.5°	274	236	156	109	37	0	0	0	0	0
40°	255	219	146	99	19	0	0	0	0	0
42.5°	230	198	134	92	32	0	0	0	0	0
45°	211	180	121	77	29	0	0	0	0	0
47.5°	184	158	104	73	25	0	0	0	0	0
50°	159	135	89	63	22	0	0	0	0	0
52.5°	132	114	74	53	18	0	0	0	0	0
55°	104	89	61	43	14	0	0	0	0	0
57.5°	80	71	48	33	11	0	0	0	0	0
60°	61	51	37	22	8	0	0	0	0	0
62.5°	44	37	26	17	6	0	0	0	0	0
65°	34	28	18	12	4	0	0	0	0	0
67.5°	26	21	14	8	2	0	0	0	0	0
70°	21	16	10	5	2	0	0	0	0	0
72.5°	15	12	8	4	1	0	0	0	0	0
75°	10	8	5	2	0	0	0	0	0	0
77.5°	6	5	2	1	0	0	0	0	0	0
80°	3	2	1	0	0	0	0	0	0	0
82.5°	1	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)