

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: G3-2001-660-2

Luminaire Tested: **303-B1-LEDB1-3500-UNV-T4-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G3-2001-660-2  
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-T4-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 4  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

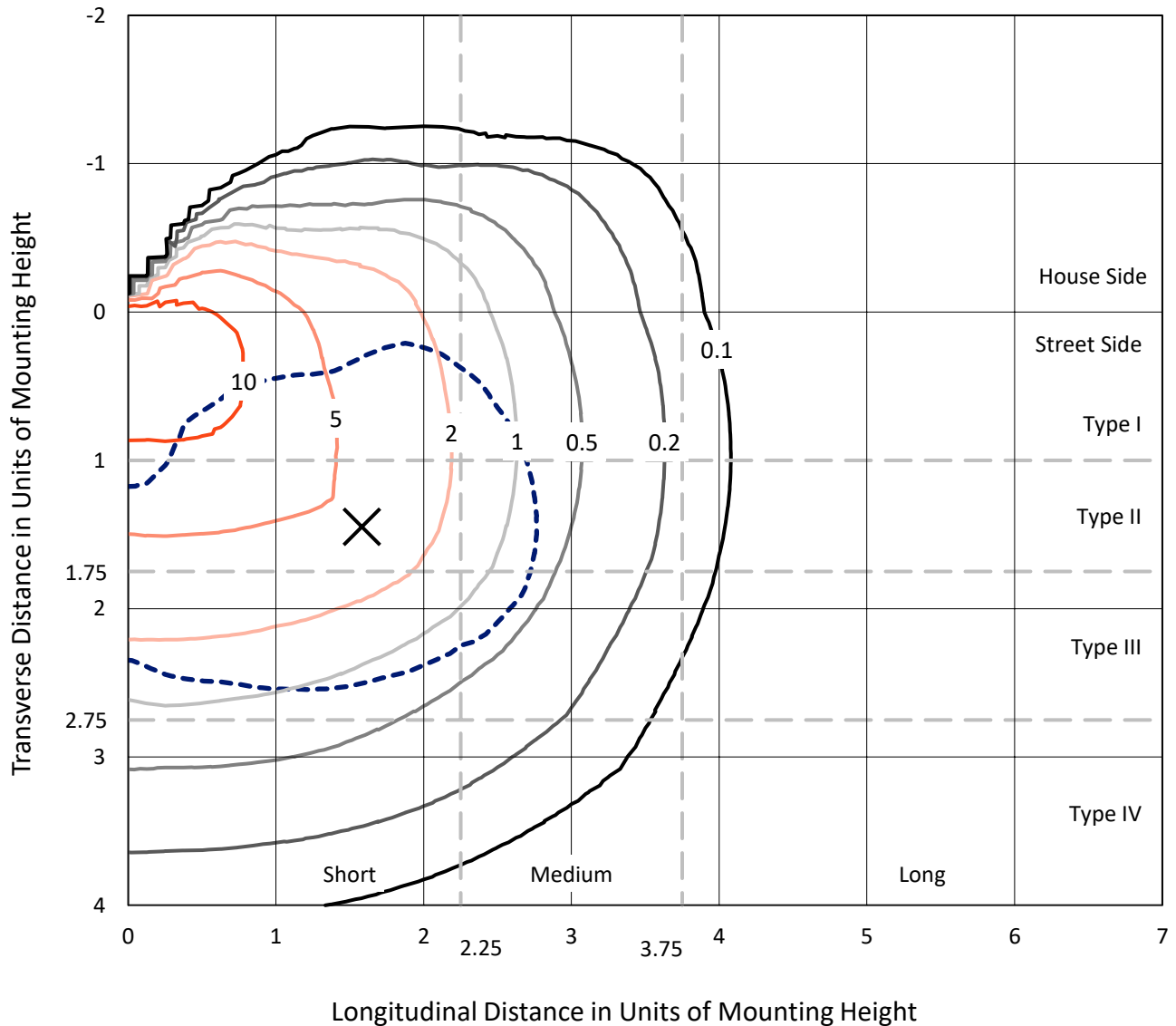
Lumens per Lamp: N/A  
Luminaire Lumens: 652.6 lumens  
Efficiency: N/A  
Efficacy: 77.7 lumens/watt  
Luminous Opening: Rectangular (W 0.21' x L: 0.38' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G0  
  
Input Watts (W): 8.4  
Input Voltage (V): 120  
Input Current (Ain): 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

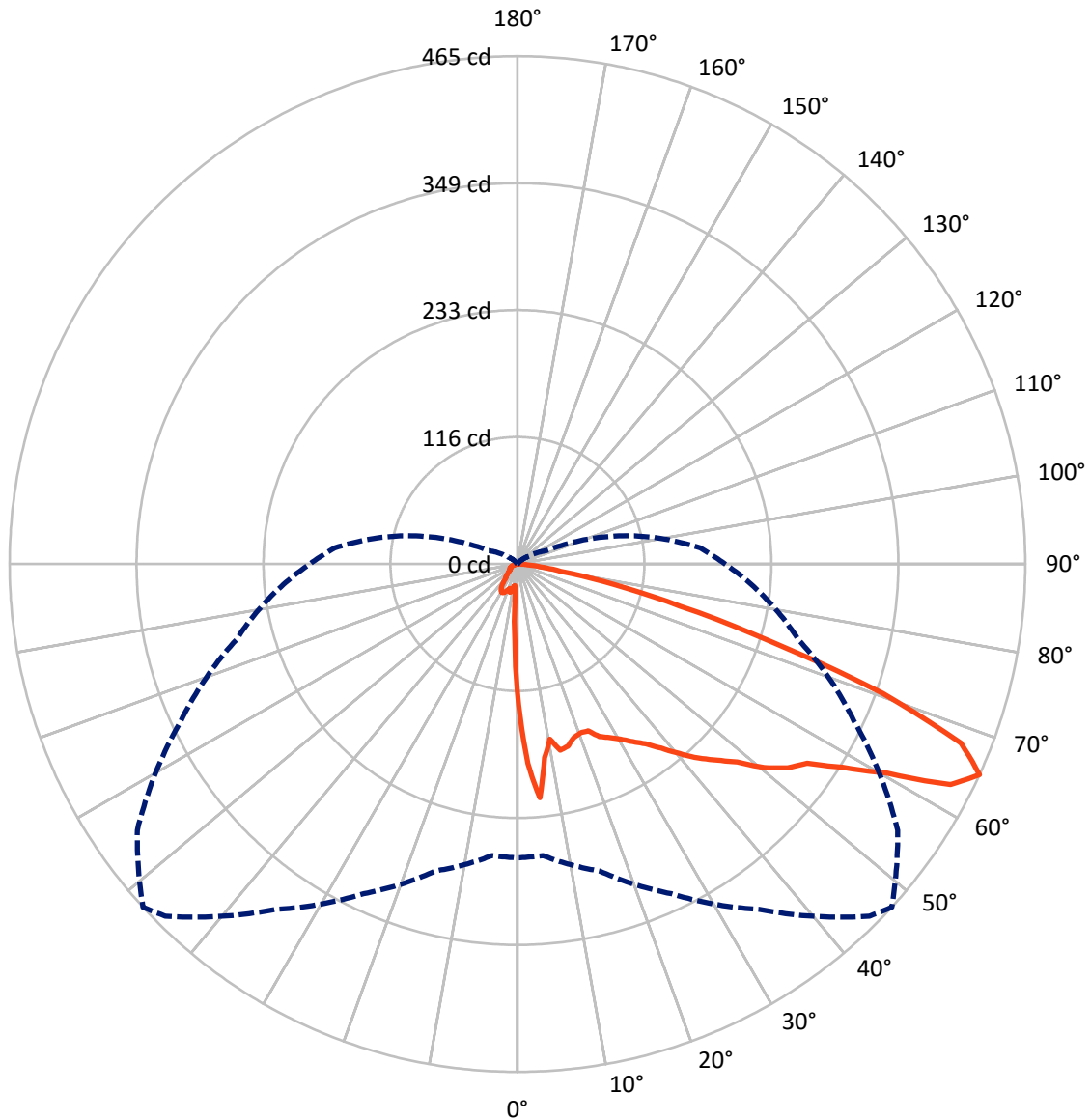
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 19.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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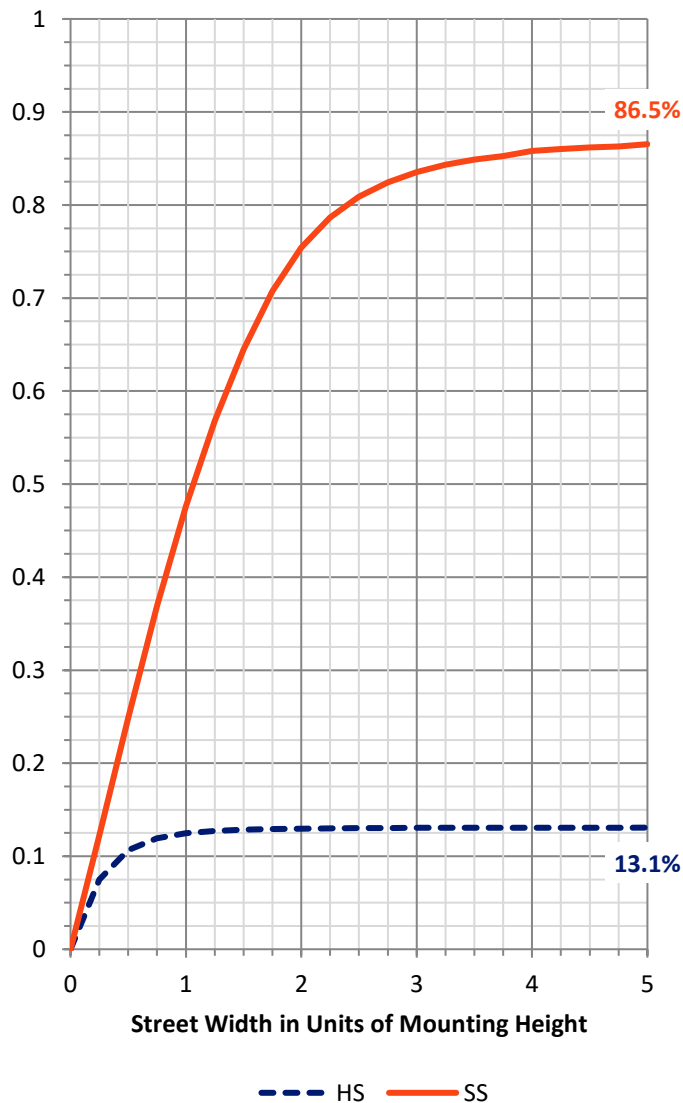
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	86.1	0.0	86.1
	% Fixture	13.2	0.0	13.2
<b>Street Side</b>	Lumens	566.5	0.0	566.5
	% Fixture	86.8	0.0	86.8
<b>Total</b>	Lumens	652.6	0.0	652.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.6	1.6
10°-20°	28.5	4.4
20°-30°	48.1	7.4
30°-40°	74.1	11.4
40°-50°	101.5	15.5
50°-60°	137.6	21.1
60°-70°	171.6	26.3
70°-80°	74.5	11.4
80°-90°	6.2	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°	652.6	100.0
0°-180°	652.6	100.0

**Coefficient of Utilization**



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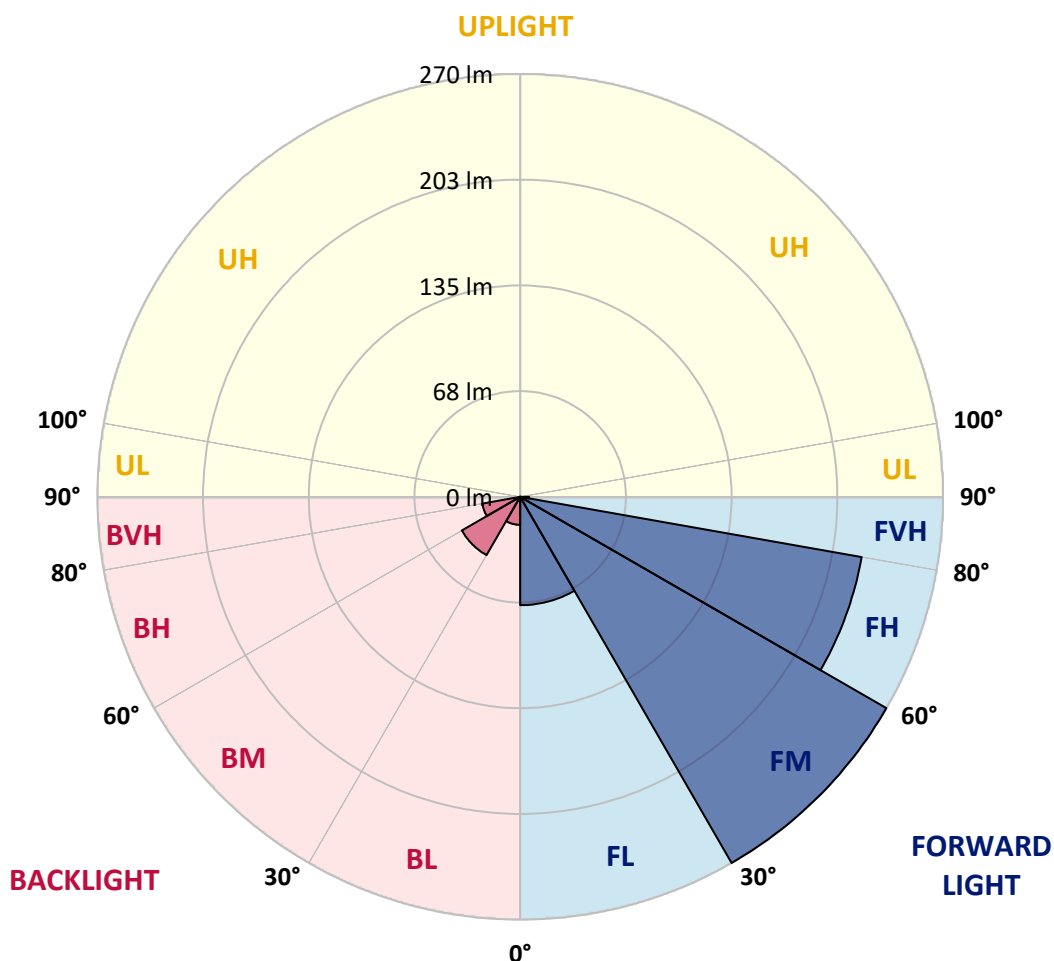
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	69.2	10.6			
FM	(30°-60°)	270.1	41.4			
FH	(60°-80°)	221.5	33.9			G0/660
FVH	(80°-90°)	5.7	0.9			G0/10
BL	(0°-30°)	17.9	2.7	B0/110		
BM	(30°-60°)	43.1	6.6	B0/220		
BH	(60°-80°)	24.6	3.8	B0/110		G0/110
BVH	(80°-90°)	0.5	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	129	129	129	129	129	129	129	129	129	129	129
2.5°	203	200	200	193	191	185	183	178	152	133	129
5°	189	191	197	202	216	215	215	197	175	162	132
7.5°	180	179	173	170	170	177	179	191	175	158	134
10°	183	182	182	183	180	166	163	159	170	153	131
12.5°	167	164	168	171	180	172	175	160	151	153	132
15°	165	164	163	163	166	171	173	168	143	151	131
17.5°	171	169	167	164	163	164	167	165	149	145	130
20°	176	172	170	169	167	160	165	163	154	137	131
22.5°	176	173	174	172	175	168	166	163	158	138	132
25°	178	176	175	176	176	172	175	166	161	142	132
27.5°	180	177	179	180	182	176	180	173	164	151	140
30°	184	182	185	186	185	181	186	179	172	159	143
32.5°	191	187	195	195	192	190	194	186	181	167	151
35°	199	198	201	206	207	198	202	197	190	178	161
37.5°	205	202	207	215	218	211	214	206	197	187	166
40°	208	206	215	227	232	226	228	219	205	188	170
42.5°	209	207	221	233	244	239	243	232	214	192	170
45°	213	215	225	238	254	254	256	243	222	197	173
47.5°	223	222	231	246	267	269	271	253	231	201	176
50°	226	229	241	254	275	285	293	271	242	208	182
52.5°	242	238	250	265	288	301	310	286	252	213	188
55°	247	258	266	282	306	321	322	302	264	222	196
57.5°	277	275	286	302	319	345	351	324	285	238	205
60°	294	291	310	332	358	388	389	355	308	255	216
62.5°	297	297	314	345	394	439	445	400	339	271	223
65°	269	268	291	333	386	456	465	425	340	266	215
67.5°	216	231	250	284	339	421	438	403	323	250	196
70°	186	200	209	236	273	334	355	345	275	214	165
72.5°	145	141	160	185	204	230	242	251	210	168	125
75°	89	90	99	117	138	150	154	144	136	108	82
77.5°	47	48	54	63	74	88	91	80	69	56	40
80°	28	28	31	34	40	40	40	40	30	27	15
82.5°	13	15	16	17	20	22	22	17	14	11	6
85°	8	8	8	8	8	9	9	7	6	5	2
87.5°	6	6	6	6	5	5	4	4	3	1	1
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°	129	129	129	129	129	129	129	129	129	129	129
2.5°	128	128	127	125	77	68	57	51	49	46	48
5°	131	130	112	79	45	20	8	1	0	0	0
7.5°	131	131	106	72	41	13	3	0	0	0	0
10°	132	130	106	72	36	16	2	0	0	0	0
12.5°	132	130	105	73	43	19	2	0	0	0	0
15°	132	131	106	74	47	20	1	0	0	0	0
17.5°	129	129	106	76	48	15	1	0	0	0	0
20°	130	128	96	76	45	18	1	0	0	0	0
22.5°	128	126	95	77	43	21	1	0	0	0	0
25°	129	126	98	78	51	21	1	0	0	0	0
27.5°	132	130	105	77	55	21	1	0	0	0	0
30°	137	133	105	73	55	21	1	0	0	0	0
32.5°	144	138	108	79	53	20	1	0	0	0	0
35°	151	141	106	75	49	18	1	0	0	0	0
37.5°	154	143	104	71	44	15	1	0	0	0	0
40°	156	144	102	64	38	10	1	0	0	0	0
42.5°	157	143	97	57	32	10	1	0	0	0	0
45°	159	145	91	51	26	10	1	0	0	0	0
47.5°	163	144	88	44	21	8	1	0	0	0	0
50°	168	145	87	39	18	7	1	0	0	0	0
52.5°	174	149	88	36	16	6	1	0	0	0	0
55°	178	157	89	34	15	6	1	0	0	0	0
57.5°	187	163	94	33	14	5	0	0	0	0	0
60°	197	171	99	32	14	6	0	0	0	0	0
62.5°	198	177	100	32	13	6	0	0	0	0	0
65°	190	168	100	29	12	5	0	0	0	0	0
67.5°	169	151	90	26	10	5	1	0	0	0	0
70°	140	124	78	22	9	4	1	0	0	0	0
72.5°	106	96	63	17	7	3	1	0	0	0	0
75°	67	62	45	12	6	2	1	0	0	0	0
77.5°	33	35	25	9	4	2	0	0	0	0	0
80°	10	11	11	5	3	1	0	0	0	0	0
82.5°	5	5	4	3	1	0	0	0	0	0	0
85°	2	2	1	1	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)