

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: G3-2001-660-1

Luminaire Tested: **303-B1-LEDB1-3500-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: G3-2001-660-1
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-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 2
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 626.8 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 0.21' x L: 0.38' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

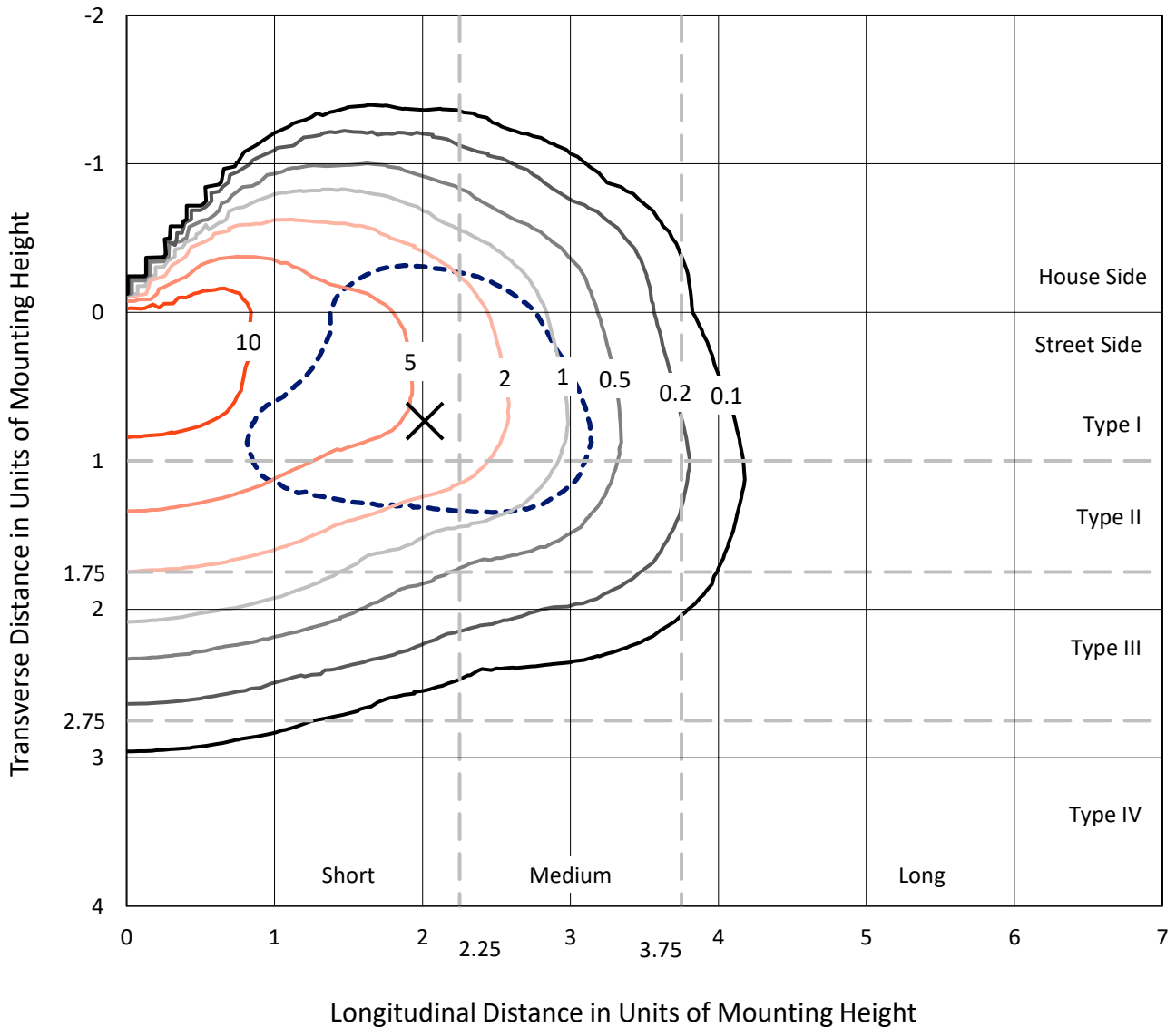
Input Watts (W): 8.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

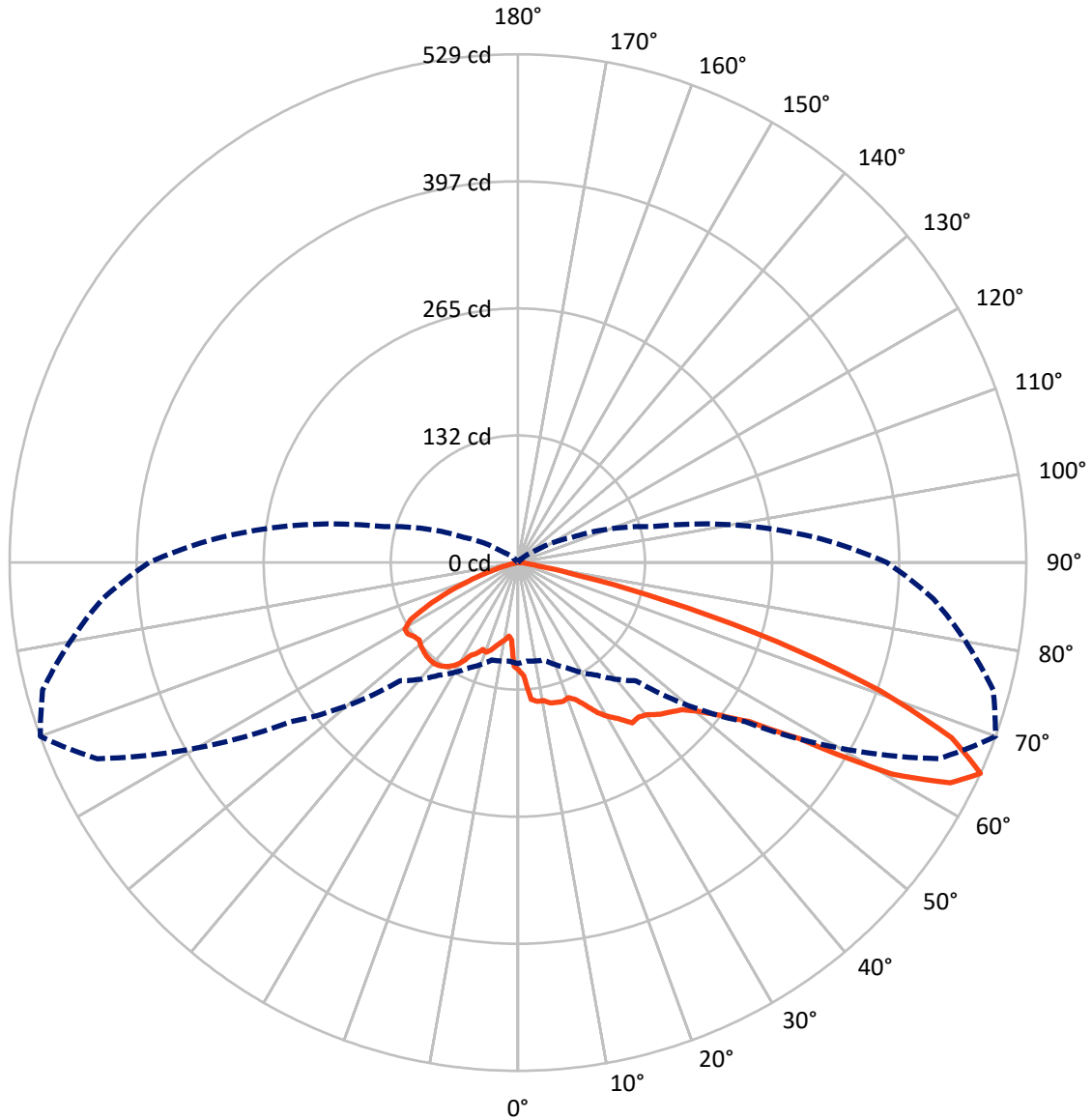
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 17.5 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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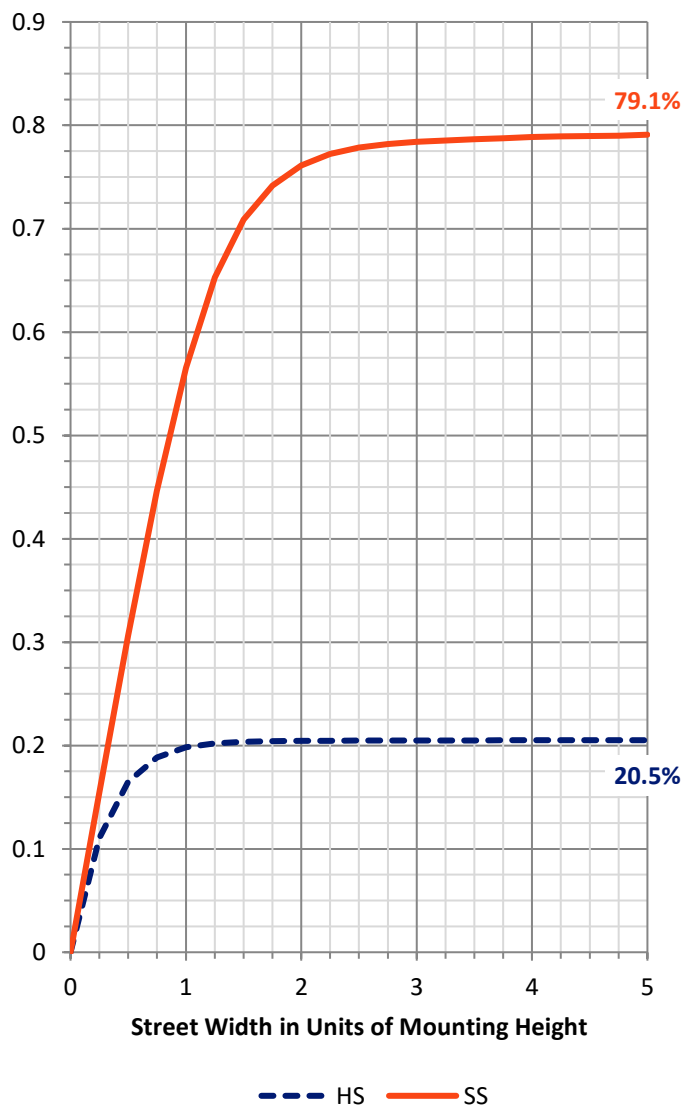
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	129.7	0.0	129.7
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	497.1	0.0	497.1
	% Fixture	79.3	0.0	79.3
Total	Lumens	626.8	0.0	626.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	1.5
10°-20°	28.0	4.5
20°-30°	50.2	8.0
30°-40°	79.3	12.7
40°-50°	111.8	17.8
50°-60°	146.4	23.4
60°-70°	151.9	24.2
70°-80°	45.7	7.3
80°-90°	4.1	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°	626.8	100.0
0°-180°	626.8	100.0



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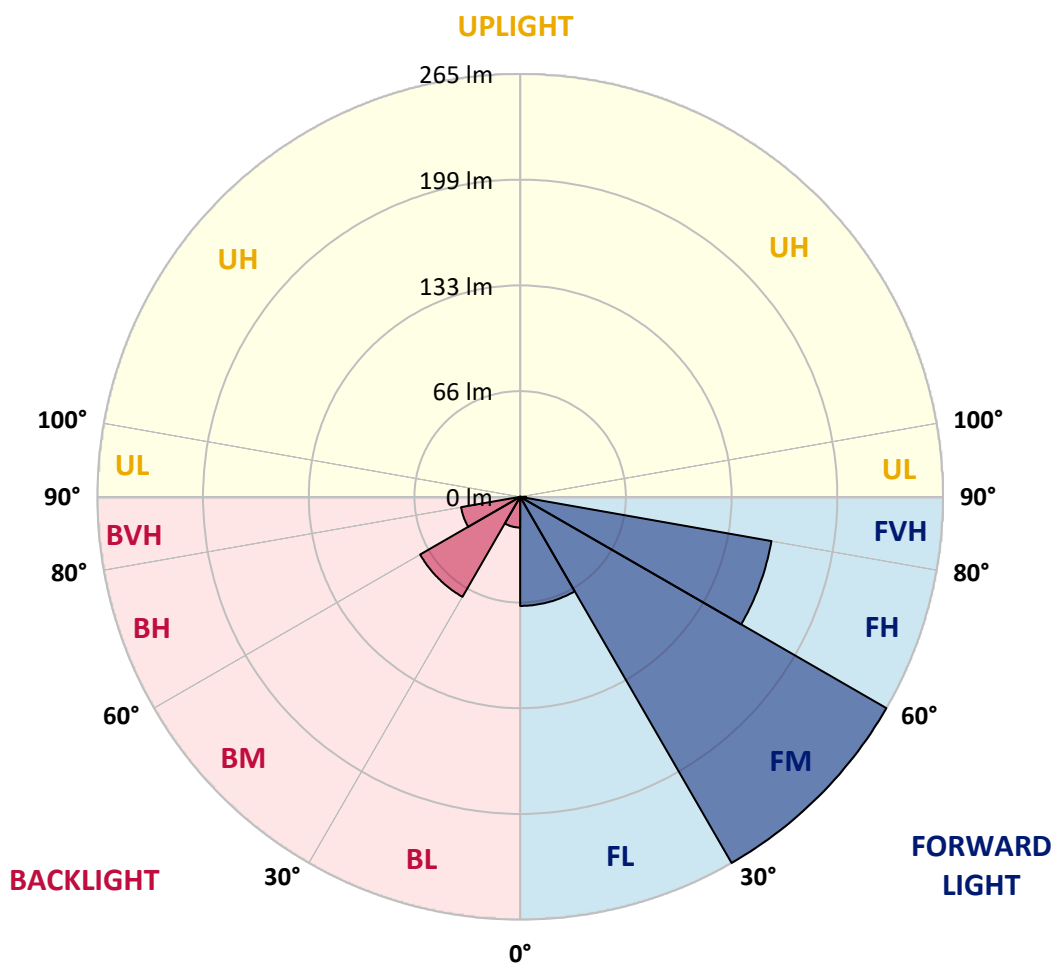
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	68.4	10.9			
FM (30°-60°)	265.1	42.3			
FH (60°-80°)	160.0	25.5			G0/660
FVH (80°-90°)	3.7	0.6			G0/10
BL (0°-30°)	19.3	3.1	B0/110		
BM (30°-60°)	72.4	11.6	B0/220		
BH (60°-80°)	37.6	6.0	B0/110		G0/110
BVH (80°-90°)	0.4	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°	112	112	112	112	112	112	112	112	112	112	112
2.5°	177	168	166	167	160	157	148	125	118	114	112
5°	182	180	182	185	183	181	169	152	143	135	114
7.5°	157	158	159	165	172	176	165	153	146	135	117
10°	164	161	161	159	156	156	162	154	146	138	120
12.5°	166	162	167	169	170	157	153	156	150	141	124
15°	166	160	161	167	169	168	154	148	151	144	129
17.5°	165	157	159	163	163	173	164	146	152	148	135
20°	165	164	163	162	162	167	167	154	150	154	141
22.5°	170	165	166	167	163	168	169	166	155	155	148
25°	166	165	165	169	172	172	171	173	165	158	156
27.5°	169	168	168	170	174	180	175	181	177	166	163
30°	172	170	172	175	179	184	181	186	186	174	171
32.5°	185	175	176	180	186	192	190	190	194	186	178
35°	188	182	184	189	195	201	201	200	205	197	186
37.5°	191	191	191	200	204	211	207	205	204	199	188
40°	200	200	201	208	214	221	215	209	208	205	198
42.5°	211	210	214	217	226	232	229	219	216	209	206
45°	223	217	217	229	236	244	242	226	222	217	215
47.5°	220	220	219	232	243	256	259	237	229	222	222
50°	221	220	224	233	250	265	272	255	243	236	227
52.5°	216	220	218	234	250	271	283	276	264	258	241
55°	197	197	205	225	251	274	299	298	292	283	271
57.5°	180	177	180	198	237	275	320	350	346	338	342
60°	150	145	155	175	214	264	333	428	447	434	425
62.5°	128	129	133	149	176	224	325	471	505	496	452
65°	105	103	105	121	143	174	289	483	529	512	434
67.5°	61	60	63	77	104	127	218	441	487	475	386
70°	31	32	33	38	57	87	146	349	400	409	303
72.5°	24	23	24	25	31	51	99	242	282	287	207
75°	17	17	18	18	19	25	73	145	158	147	84
77.5°	14	14	13	13	13	15	45	67	64	61	24
80°	11	11	11	11	11	11	20	28	22	25	11
82.5°	9	9	9	8	8	8	9	12	11	15	6
85°	8	7	7	7	7	6	6	5	5	5	2
87.5°	7	7	7	6	6	5	4	3	3	2	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°	112	112	112	112	112	112	112	112	112	112	112
2.5°	113	111	111	105	72	53	50	48	44	40	39
5°	114	113	95	67	37	12	2	0	0	0	0
7.5°	115	115	94	60	38	14	2	0	0	0	0
10°	119	118	97	66	34	16	1	0	0	0	0
12.5°	123	124	102	68	40	17	1	0	0	0	0
15°	127	129	108	71	43	17	1	0	0	0	0
17.5°	133	135	115	75	46	18	1	0	0	0	0
20°	140	142	120	78	50	19	1	0	0	0	0
22.5°	148	151	113	82	45	19	1	0	0	0	0
25°	155	157	120	88	44	20	1	0	0	0	0
27.5°	162	165	131	86	57	21	1	0	0	0	0
30°	171	174	142	97	60	21	1	0	0	0	0
32.5°	181	182	153	100	64	21	0	0	0	0	0
35°	188	190	159	104	64	21	0	0	0	0	0
37.5°	194	196	163	106	64	21	0	0	0	0	0
40°	200	204	166	107	63	20	0	0	0	0	0
42.5°	208	210	166	107	58	10	0	0	0	0	0
45°	215	214	167	105	57	19	1	0	0	0	0
47.5°	223	219	167	102	47	19	1	0	0	0	0
50°	231	223	166	100	52	17	1	0	0	0	0
52.5°	243	230	165	96	49	16	1	0	0	0	0
55°	274	256	170	95	45	14	1	0	0	0	0
57.5°	329	295	178	95	40	12	0	0	0	0	0
60°	384	334	182	91	33	10	0	0	0	0	0
62.5°	405	338	170	82	26	8	0	0	0	0	0
65°	384	308	144	62	19	6	0	0	0	0	0
67.5°	335	270	114	45	14	5	0	0	0	0	0
70°	266	214	80	29	9	3	0	0	0	0	0
72.5°	169	141	48	17	6	2	0	0	0	0	0
75°	61	58	24	10	4	1	0	0	0	0	0
77.5°	20	18	10	5	2	1	0	0	0	0	0
80°	9	8	5	3	2	1	0	0	0	0	0
82.5°	5	5	3	2	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)