

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: G3-2001-660-15

Luminaire Tested: **303-P1-LEDB1-3500-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: G3-2001-660-15
Test Lab: INNOVATION CENTER (G3)
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-P1-LEDB1-3500-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
PATHWAY, TYPE 5
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 686.3 lumens
Efficiency: N/A
Efficacy: 83.7 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

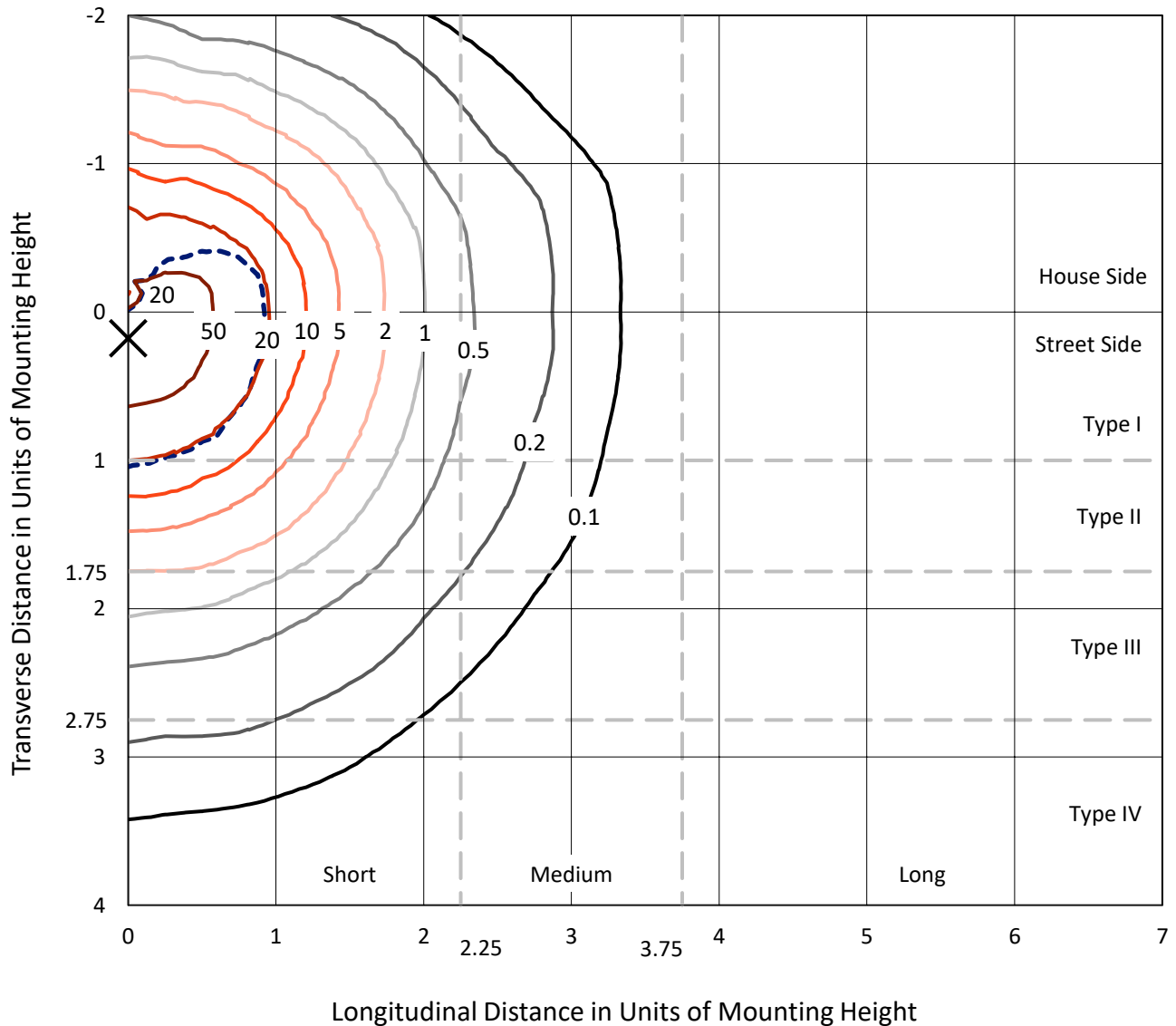
Input Watts (W): 8.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

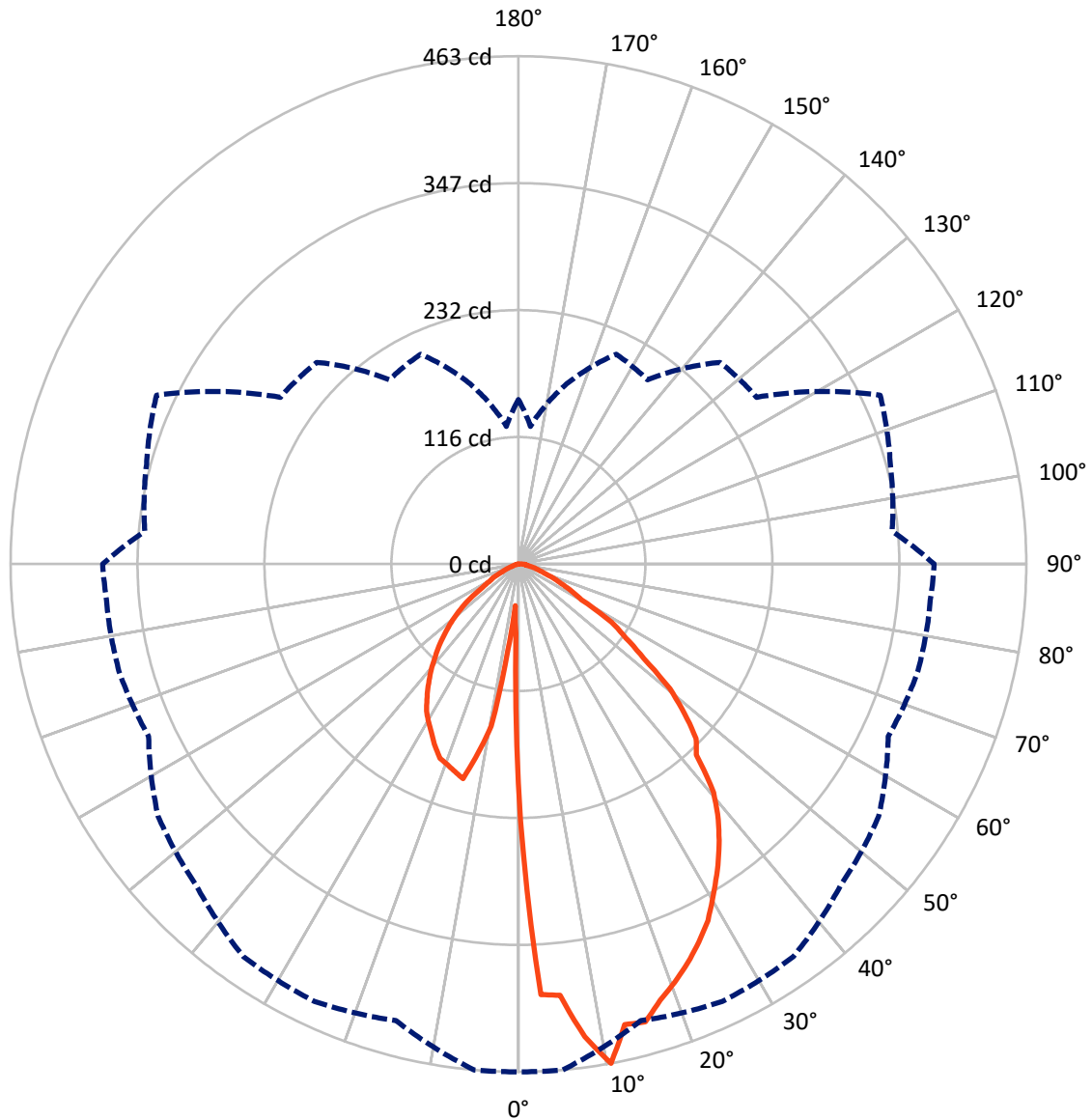
× Max cd
 - - - 1/2 Max cd



Based on 2 foot mounting height. Maximum calculated value = 104.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 10-Deg Vertical

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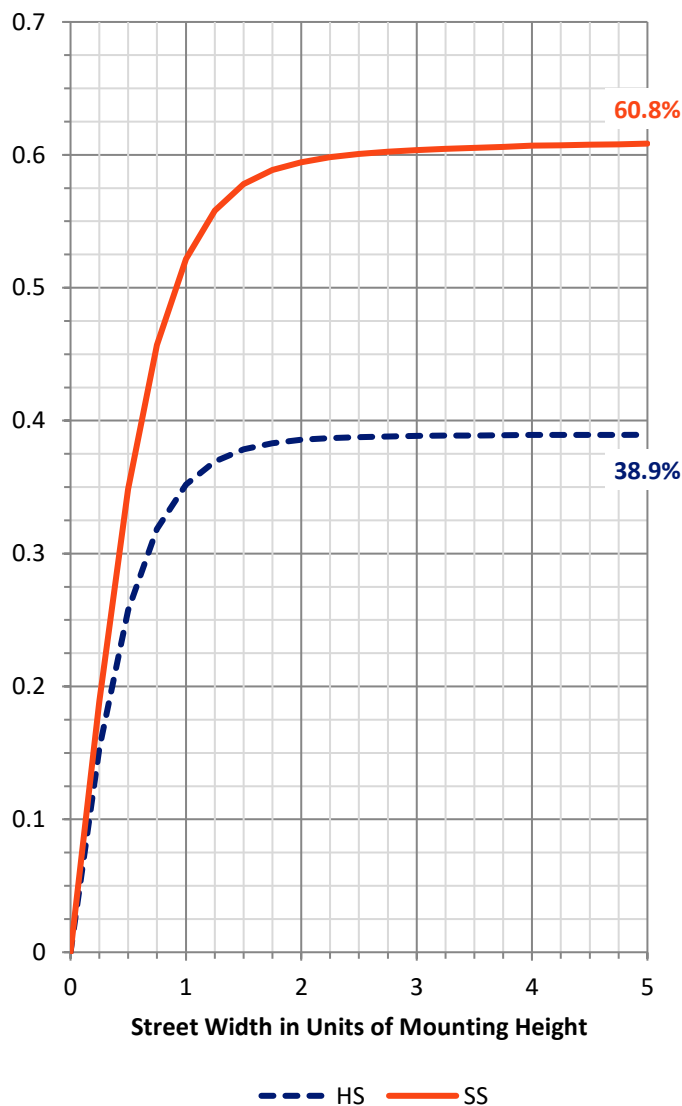
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	269.0	0.0	269.0
	% Fixture	39.2	0.0	39.2
Street Side	Lumens	417.3	0.0	417.3
	% Fixture	60.8	0.0	60.8
Total	Lumens	686.3	0.0	686.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	4.0
10°-20°	93.8	13.7
20°-30°	139.1	20.3
30°-40°	154.0	22.4
40°-50°	135.9	19.8
50°-60°	86.6	12.6
60°-70°	35.6	5.2
70°-80°	11.7	1.7
80°-90°	2.4	0.4
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°	686.3	100.0
0°-180°	686.3	100.0

Coefficient of Utilization



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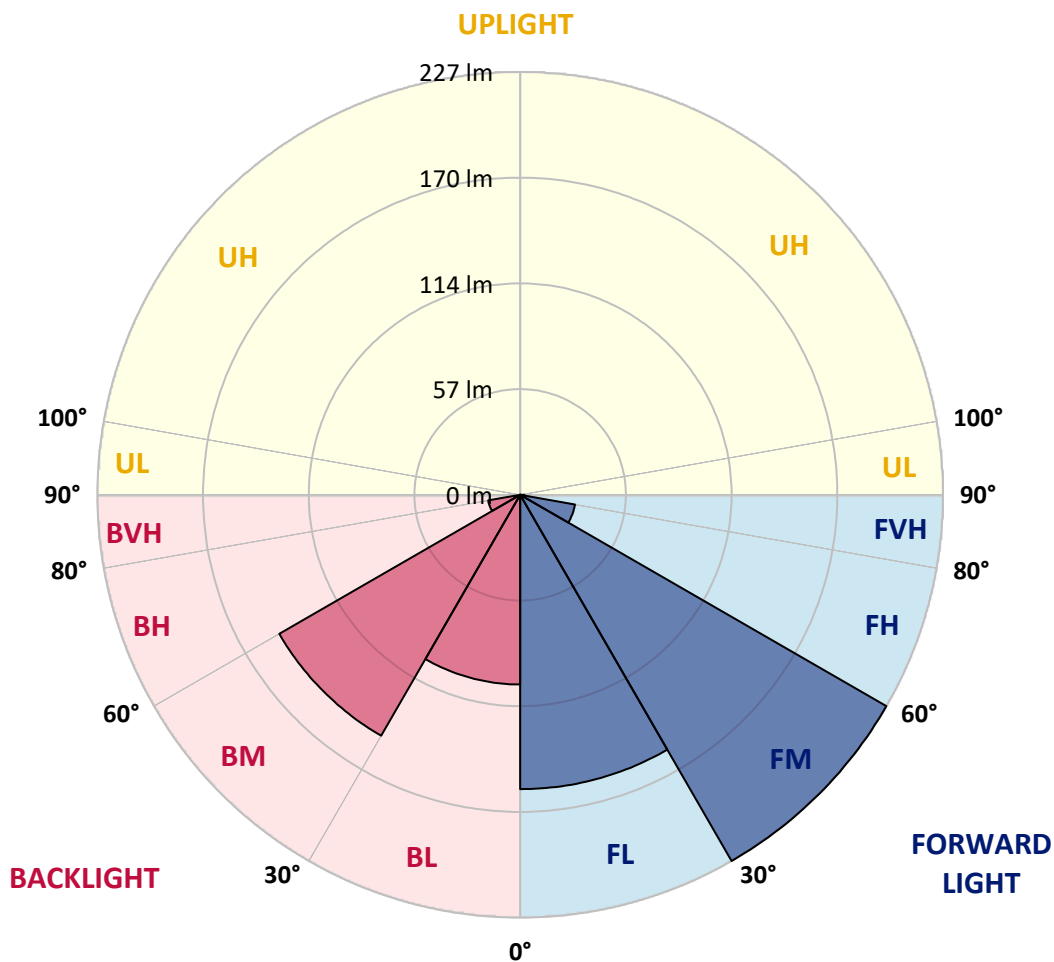
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.1	23.0			
FM	(30°-60°)	227.1	33.1			
FH	(60°-80°)	29.9	4.4			G0/660
FVH	(80°-90°)	2.2	0.3			G0/10
BL	(0°-30°)	101.9	14.8	B0/110		
BM	(30°-60°)	149.4	21.8	B0/220		
BH	(60°-80°)	17.4	2.5	B0/110		G0/110
BVH	(80°-90°)	0.2	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°	234	234	234	234	234	234	234	234	234	234	234
2.5°	393	389	382	402	391	355	297	276	256	252	247
5°	395	391	385	394	383	385	387	377	325	300	297
7.5°	435	412	423	413	393	388	374	370	383	351	355
10°	463	463	431	440	437	415	401	372	377	377	379
12.5°	431	443	424	430	444	420	392	377	395	369	362
15°	433	432	421	429	407	406	391	384	377	364	369
17.5°	418	433	382	418	430	404	383	369	373	360	330
20°	407	409	384	410	419	387	387	370	355	372	355
22.5°	395	393	372	394	406	388	376	358	367	345	341
25°	382	382	372	380	379	362	364	342	344	335	324
27.5°	368	368	356	363	356	354	341	331	332	333	321
30°	350	342	341	346	354	339	327	320	317	321	308
32.5°	333	332	321	331	330	316	305	302	299	305	291
35°	315	315	306	312	306	304	292	285	272	281	276
37.5°	296	285	285	283	286	281	277	261	262	261	251
40°	274	273	265	263	264	260	256	242	244	241	236
42.5°	238	247	255	249	244	247	234	223	224	225	217
45°	227	227	218	215	220	209	211	202	208	199	198
47.5°	204	193	195	197	204	181	189	184	184	188	178
50°	179	177	179	162	178	168	164	161	154	162	156
52.5°	143	152	149	149	149	150	141	133	141	132	129
55°	119	121	122	123	123	116	115	109	108	107	102
57.5°	100	99	101	99	101	97	95	87	87	85	80
60°	66	66	75	76	80	76	72	69	66	67	63
62.5°	54	52	54	52	59	59	55	54	51	51	50
65°	43	40	44	43	44	45	44	41	38	39	38
67.5°	34	33	34	34	34	35	34	32	30	32	31
70°	25	24	27	26	27	24	24	24	23	25	24
72.5°	20	19	20	20	19	19	19	20	19	19	19
75°	16	16	16	16	15	14	13	14	13	13	12
77.5°	12	12	13	12	11	11	9	10	9	9	9
80°	9	9	9	9	9	8	7	6	6	5	5
82.5°	7	7	7	7	6	6	5	4	3	3	2
85°	6	6	6	5	5	4	3	2	2	1	0
87.5°	5	5	5	5	4	3	3	2	1	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°	234	234	234	234	234	234	234	234	234	234
2.5°	249	249	183	139	102	59	60	55	56	63
5°	303	240	180	148	163	107	69	52	48	38
7.5°	334	290	279	225	192	185	107	102	86	79
10°	342	351	364	265	260	205	211	170	126	150
12.5°	372	371	346	290	261	237	225	176	167	176
15°	356	366	330	270	245	223	197	165	173	202
17.5°	359	344	344	280	255	225	189	175	179	198
20°	349	352	327	281	244	211	204	168	177	194
22.5°	342	331	319	280	235	218	200	162	169	191
25°	331	330	317	258	227	202	193	155	158	183
27.5°	321	323	304	250	215	200	188	141	152	174
30°	306	304	285	249	209	185	177	137	139	166
32.5°	293	290	268	226	205	175	168	133	136	158
35°	266	271	253	221	193	164	163	122	132	147
37.5°	256	246	240	205	169	152	145	115	116	136
40°	241	228	219	189	161	141	129	109	108	125
42.5°	216	217	200	167	151	125	123	96	102	113
45°	196	197	179	154	136	114	109	86	90	102
47.5°	175	176	157	139	121	99	97	74	80	90
50°	159	152	136	120	102	87	84	66	70	79
52.5°	127	134	116	100	88	73	70	59	60	67
55°	107	105	93	86	70	60	57	46	50	54
57.5°	81	86	75	68	58	48	46	39	41	39
60°	65	66	58	54	46	37	34	26	31	29
62.5°	50	52	45	42	35	29	25	19	24	26
65°	39	40	34	31	27	21	17	12	14	16
67.5°	30	31	25	23	20	15	11	9	10	12
70°	25	25	18	15	12	8	7	5	7	7
72.5°	19	19	14	11	8	6	5	4	5	5
75°	13	14	10	7	5	4	4	2	3	2
77.5°	8	8	5	4	3	2	2	1	1	1
80°	5	5	3	2	2	1	1	0	0	0
82.5°	2	2	1	1	1	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)