

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: G3-2001-660-14

Luminaire Tested: **303-P1-LEDB1-3500-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: G3-2001-660-14
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-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
PATHWAY, TYPE 4
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 691.7 lumens
Efficiency: N/A
Efficacy: 84.4 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

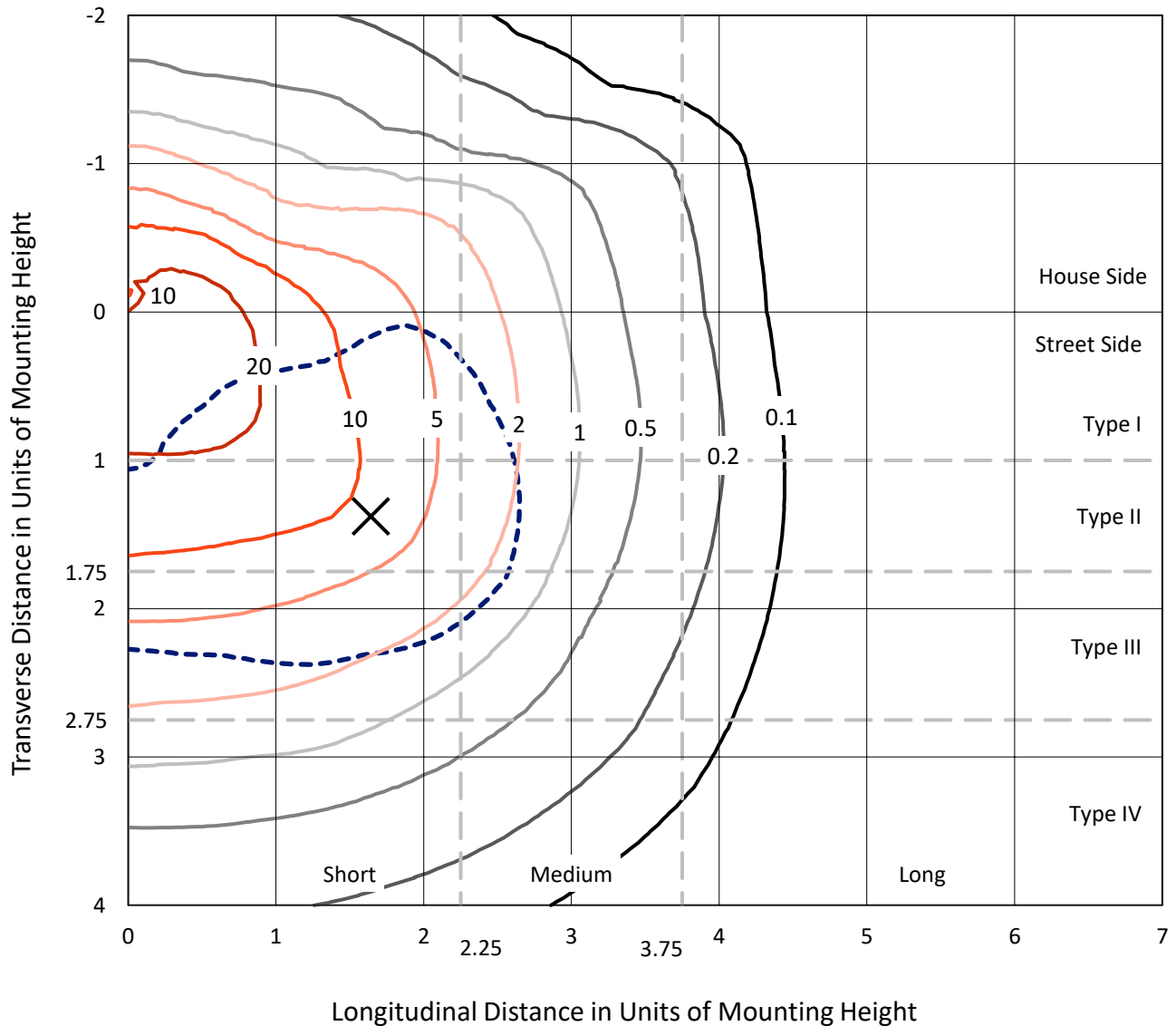
Input Watts (W): 8.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: G3-2001-660-14
 CATALOG NUMBER: 303-P1-LEDB1-3500-UNV-T4-DIM10

Iso-Footcandle Lines of Horizontal Illumination

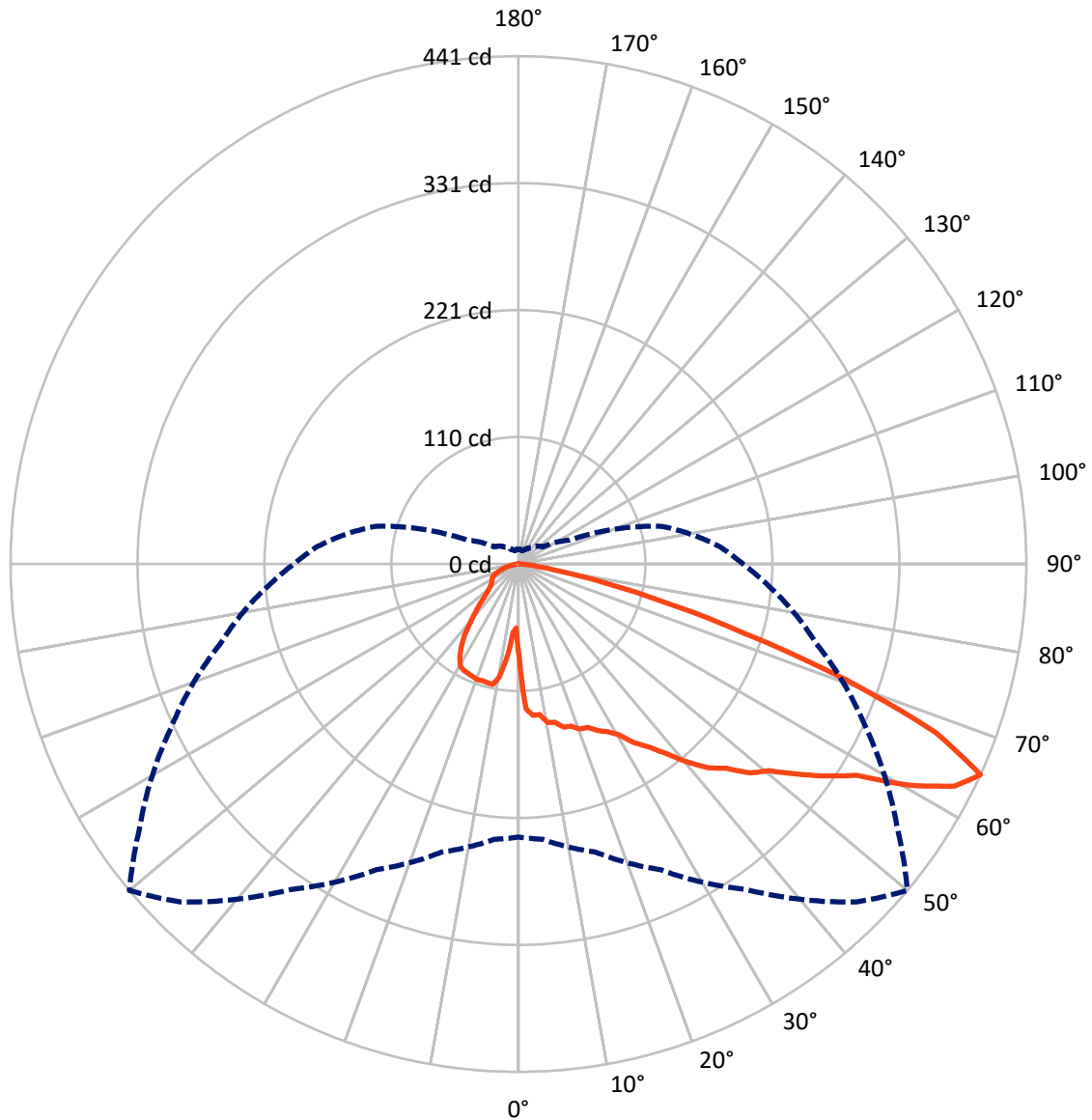
× Max cd
 - - - 1/2 Max cd



Based on 2 foot mounting height. Maximum calculated value = 33.6 fc
 Type III - Short - N/A

REPORT NUMBER: G3-2001-660-14
CATALOG NUMBER: 303-P1-LEDB1-3500-UNV-T4-DIM10

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: G3-2001-660-14
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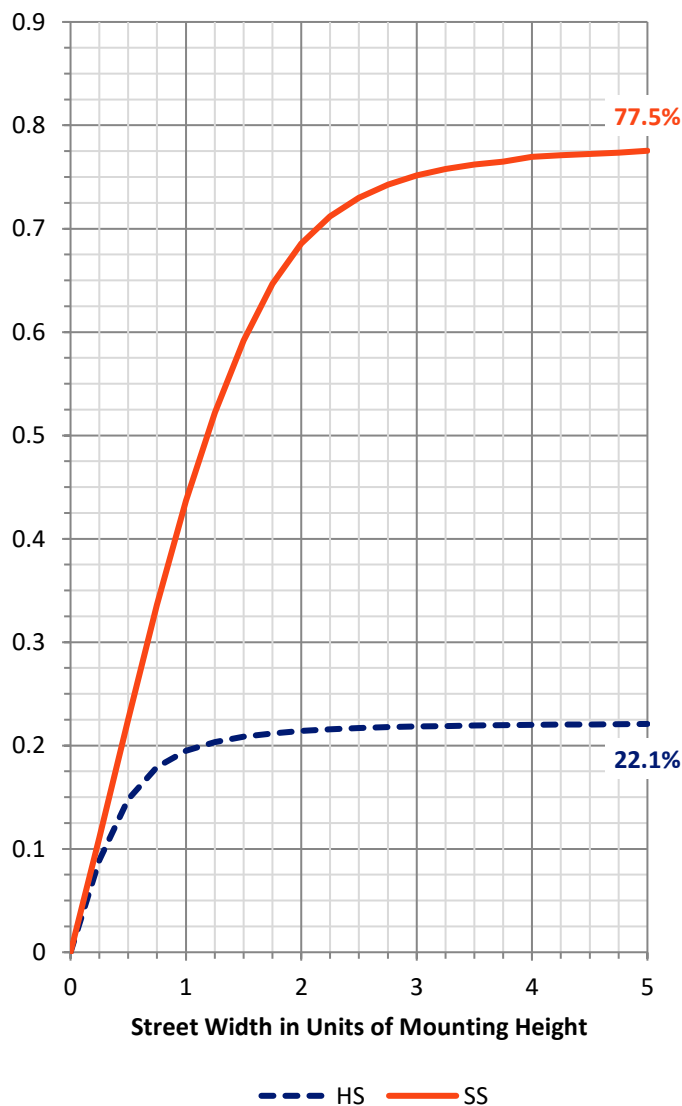
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	153.9	0.0	153.9
	% Fixture	22.2	0.0	22.2
Street Side	Lumens	537.9	0.0	537.9
	% Fixture	77.8	0.0	77.8
Total	Lumens	691.7	0.0	691.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	1.4
10°-20°	34.7	5.0
20°-30°	59.1	8.5
30°-40°	87.3	12.6
40°-50°	112.5	16.3
50°-60°	146.0	21.1
60°-70°	168.8	24.4
70°-80°	67.8	9.8
80°-90°	6.0	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°	691.7	100.0
0°-180°	691.7	100.0



REPORT NUMBER: G3-2001-660-14

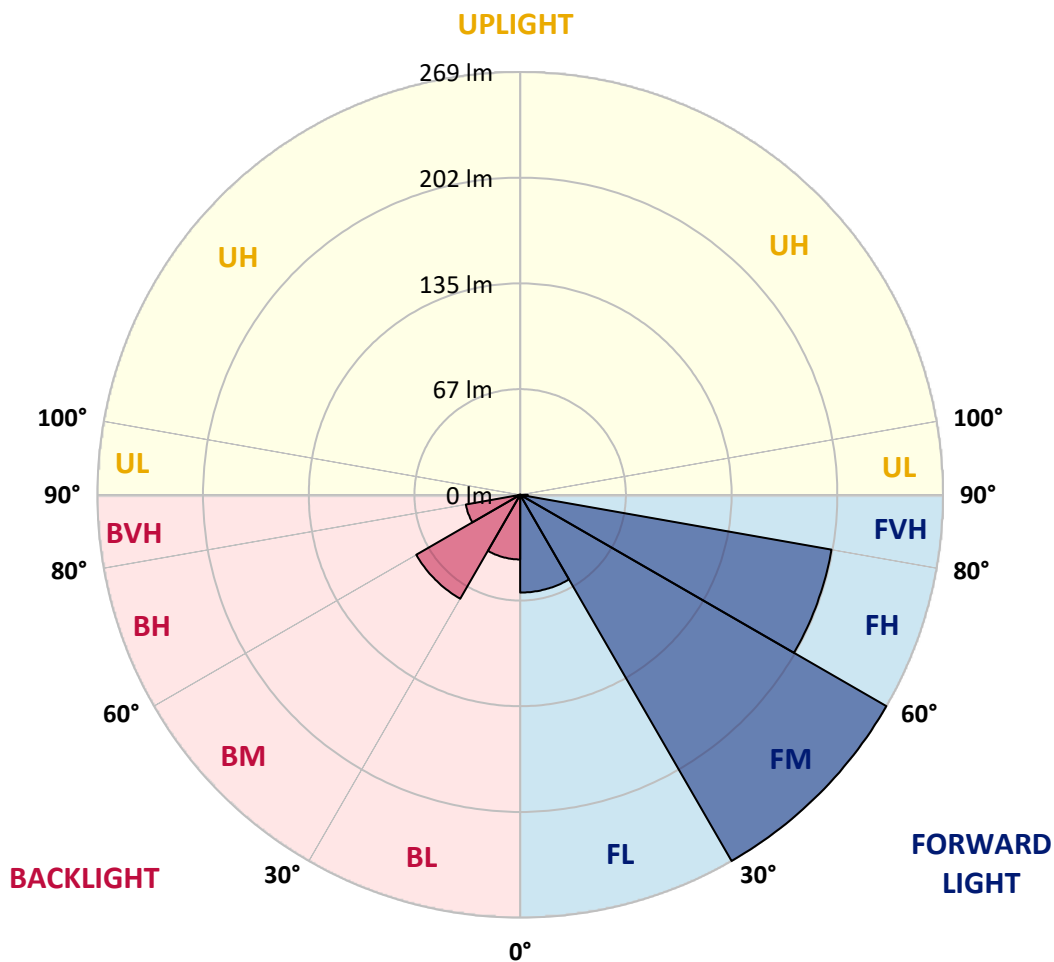
CATALOG NUMBER: 303-P1-LEDB1-3500-UNV-T4-DIM10

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	62.3	9.0			
FM (30°-60°)	269.4	38.9			
FH (60°-80°)	201.4	29.1			G0/660
FVH (80°-90°)	4.9	0.7			G0/10
BL (0°-30°)	41.2	6.0	B0/110		
BM (30°-60°)	76.4	11.1	B0/220		
BH (60°-80°)	35.1	5.1	B0/110		G0/110
BVH (80°-90°)	1.1	0.2			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





REPORT NUMBER: G3-2001-660-14

CATALOG NUMBER: 303-P1-LEDB1-3500-UNV-T4-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	81	81	81	81	81	81	81	81	81	81	81
2.5°	130	130	131	129	129	125	126	118	102	97	93
5°	130	131	133	130	129	131	132	132	130	118	113
7.5°	139	140	138	135	134	133	132	133	133	133	130
10°	146	147	145	141	139	138	140	138	134	134	136
12.5°	145	149	145	139	140	140	141	139	133	133	139
15°	146	145	145	140	142	140	147	140	133	133	137
17.5°	149	146	146	143	144	145	148	144	137	133	137
20°	153	153	151	148	146	145	153	147	140	135	136
22.5°	157	157	158	154	155	149	154	151	145	136	135
25°	162	162	161	160	161	155	160	154	151	143	141
27.5°	169	166	167	166	169	164	165	163	159	150	146
30°	173	171	174	174	176	171	172	170	165	160	153
32.5°	185	184	186	184	184	180	185	179	175	168	164
35°	192	192	193	197	200	195	195	191	186	179	170
37.5°	198	199	203	209	214	204	209	204	197	185	174
40°	203	202	210	221	224	226	226	219	205	188	177
42.5°	208	208	219	234	242	243	242	231	214	193	179
45°	214	215	223	237	252	255	253	243	223	198	182
47.5°	222	222	230	245	265	270	271	260	227	202	186
50°	231	231	238	256	276	285	282	274	241	209	191
52.5°	243	246	251	263	286	299	303	286	250	216	198
55°	258	263	263	275	299	318	325	306	265	225	205
57.5°	285	278	285	294	321	346	346	325	284	237	211
60°	282	284	293	315	348	390	390	364	311	257	223
62.5°	273	274	289	316	365	423	425	407	337	271	230
65°	237	240	259	293	345	415	441	402	332	268	218
67.5°	202	204	215	243	289	361	391	375	311	238	192
70°	177	170	182	206	228	281	303	304	249	196	154
72.5°	120	121	132	160	174	197	204	210	182	145	110
75°	76	78	85	98	115	127	127	119	108	92	69
77.5°	44	43	49	54	62	69	71	65	55	44	32
80°	23	24	26	29	33	32	32	32	25	19	13
82.5°	13	13	15	17	18	17	16	14	11	10	7
85°	6	6	6	7	8	8	8	7	6	5	3
87.5°	4	4	4	4	4	3	3	3	2	2	1
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: G3-2001-660-14

CATALOG NUMBER: 303-P1-LEDB1-3500-UNV-T4-DIM10

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	81	81	81	81	81	81	81	81	81	81	81
2.5°	94	93	89	75	59	52	34	24	21	22	24
5°	111	108	94	82	65	54	41	29	14	10	14
7.5°	128	120	114	103	91	72	61	44	36	31	36
10°	136	136	131	120	105	93	85	82	74	50	56
12.5°	138	138	137	120	113	101	91	84	80	75	79
15°	135	136	136	121	112	101	90	84	84	78	84
17.5°	134	135	132	119	110	102	91	84	84	80	85
20°	133	132	132	115	110	103	88	80	81	82	82
22.5°	133	132	128	115	109	102	85	78	75	80	78
25°	135	132	128	117	109	100	83	76	73	76	72
27.5°	139	137	134	120	109	99	82	72	67	70	68
30°	146	142	136	120	108	96	77	69	64	66	63
32.5°	152	148	141	119	103	89	73	64	59	62	53
35°	158	151	139	112	94	81	64	57	53	56	50
37.5°	163	155	136	104	85	71	54	50	48	50	47
40°	165	155	132	95	72	59	47	43	42	45	44
42.5°	164	154	126	84	61	49	39	37	37	39	39
45°	167	156	118	75	51	41	34	31	31	34	34
47.5°	172	155	114	67	42	35	29	27	27	29	28
50°	175	160	112	60	37	30	25	23	22	24	24
52.5°	179	162	112	55	33	28	23	20	19	20	20
55°	190	170	112	53	31	26	21	18	17	17	17
57.5°	194	173	116	52	30	25	20	17	15	16	16
60°	204	182	123	53	29	24	19	16	14	15	15
62.5°	210	184	128	53	28	24	18	15	13	14	14
65°	195	175	127	49	26	22	17	14	12	13	13
67.5°	171	152	116	42	24	19	15	13	11	11	12
70°	135	123	97	34	20	16	13	11	10	9	10
72.5°	99	90	76	26	16	13	11	10	8	8	9
75°	60	58	52	19	13	11	9	8	7	6	7
77.5°	28	27	29	13	10	8	6	5	4	4	5
80°	11	11	13	8	6	5	4	4	3	3	3
82.5°	6	6	6	5	4	3	2	2	1	1	1
85°	3	3	3	2	1	1	1	1	0	0	0
87.5°	1	1	1	1	1	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)