

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: METALUX

Report Number: P829803

Luminaire Tested: **OHBL-15SE-A-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-A-UNV-L730-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

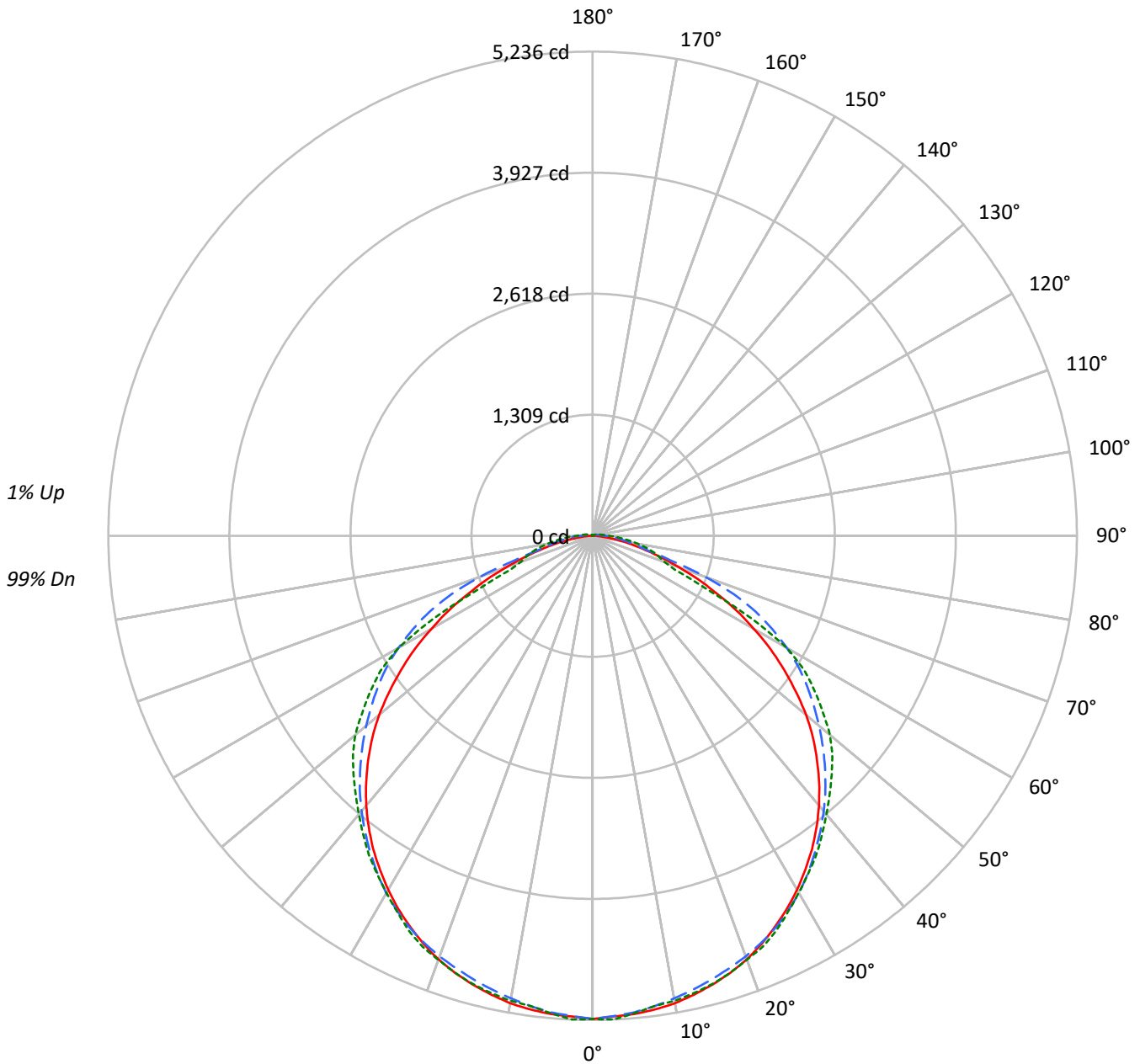
Lumens per Lamp: N/A
Luminaire Lumens: 14768.0 lumens
Efficiency: N/A
Efficacy: 169.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 87
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16998	16998	16998
5°	16887	16651	16645
10°	16825	16302	16323
15°	16719	16018	16078
20°	16612	15804	15799
25°	16412	15587	15519
30°	16193	15299	15083
35°	15933	14901	14772
40°	15594	14488	14395
45°	15124	14021	14125
50°	14488	13498	13817
55°	13477	12967	13084
60°	12152	12246	11857
65°	10425	11050	7329
70°	8397	8422	5142
75°	6295	4833	4984
80°	4382	3814	4436
85°	2494	3184	3675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.7	3.3
10°-20°	1412.7	9.6
20°-30°	2157.7	14.6
30°-40°	2618.0	17.7
40°-50°	2743.9	18.6
50°-60°	2486.4	16.8
60°-70°	1667.0	11.3
70°-80°	748.6	5.1
80°-90°	271.6	1.8
90°-100°	81.8	0.6
100°-110°	38.6	0.3
110°-120°	19.3	0.1
120°-130°	10.7	0.1
130°-140°	7.3	0.0
140°-150°	4.9	0.0
150°-160°	3.7	0.0
160°-170°	2.4	0.0
170°-180°	0.7	0.0
0°-30°	4063.1	27.5
0°-40°	6681.0	45.2
0°-60°	11911.4	80.7
0°-90°	14598.6	98.9
90°-120°	139.7	0.9
90°-150°	162.6	1.1
90°-180°	169.0	1.1
0°-180°	14768.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5225	5225	5225	5225	5225	
5°	5191	5209	5173	5189	5182	494
15°	5022	5003	4967	5011	5017	1418
25°	4666	4646	4678	4721	4707	2151
35°	4136	4145	4188	4232	4216	2585
45°	3432	3488	3553	3644	3655	2644
55°	2526	2647	2828	2941	2934	2254
65°	1482	1714	1946	1642	1341	1477
75°	583	846	622	637	678	637
85°	100	193	247	298	313	123
90°	1	64	128	160	168	6
95°	1	40	88	106	110	1
105°	3	17	43	52	54	3
115°	6	9	22	28	30	6
125°	5	6	14	16	17	5
135°	7	8	8	12	13	5
145°	7	8	8	8	9	5
155°	8	8	8	8	8	4
165°	8	8	8	8	8	2
175°	8	8	8	7	7	1
180°	8	8	8	8	8	



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CATALOG NUMBER: OHBL-15SE-A-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5224.9	5224.9	5224.9	5224.9	5224.9
2.5°	5203.8	5225.7	5198.5	5228.0	5235.5
5°	5190.9	5209.1	5172.8	5188.7	5181.9
7.5°	5167.5	5173.6	5130.5	5143.3	5129.7
10°	5132.8	5129.7	5079.1	5104.1	5107.1
12.5°	5081.4	5072.3	5027.0	5064.8	5065.5
15°	5022.5	5002.8	4967.3	5011.1	5017.2
17.5°	4954.5	4928.8	4905.4	4962.0	4953.0
20°	4875.1	4844.9	4840.4	4902.3	4879.7
22.5°	4776.9	4753.5	4764.1	4823.0	4808.7
25°	4665.9	4645.5	4678.0	4721.0	4707.4
27.5°	4548.8	4536.7	4573.7	4606.9	4580.5
30°	4420.3	4413.5	4462.6	4489.8	4456.6
32.5°	4280.6	4282.8	4329.7	4366.7	4335.7
35°	4135.5	4145.3	4187.7	4232.2	4215.6
37.5°	3976.1	3998.0	4040.3	4090.9	4073.6
40°	3807.6	3839.4	3886.2	3947.4	3931.5
42.5°	3625.6	3665.6	3726.0	3794.0	3792.5
45°	3432.2	3488.1	3553.0	3643.7	3655.0
47.5°	3231.2	3293.9	3376.3	3497.1	3514.5
50°	3012.9	3091.4	3194.2	3339.2	3349.8
52.5°	2769.6	2876.9	3012.9	3151.9	3139.0
55°	2525.6	2647.2	2827.8	2941.1	2934.3
57.5°	2282.3	2419.1	2638.2	2719.0	2718.2
60°	2010.3	2183.4	2422.8	2484.0	2423.6
62.5°	1758.8	1944.6	2193.2	2148.6	1941.6
65°	1482.3	1714.2	1946.1	1642.4	1341.0
67.5°	1236.7	1478.5	1653.0	1124.9	963.2
70°	989.7	1256.4	1288.9	834.8	823.5
72.5°	770.6	1054.7	889.2	714.7	751.0
75°	583.2	846.1	622.5	636.9	678.4
77.5°	425.3	649.7	484.3	558.3	592.3
80°	292.4	460.1	395.1	469.2	492.6
82.5°	183.6	303.7	316.5	377.7	401.9
85°	100.5	192.6	247.0	298.4	312.8
87.5°	41.6	116.3	188.9	230.4	242.5
90°	0.8	64.2	127.7	160.2	167.7
92.5°	0.8	49.1	104.3	129.2	134.5
95°	0.8	40.0	87.6	106.5	109.5
97.5°	1.5	31.7	73.3	88.4	91.4
100°	2.3	26.4	61.2	74.0	76.3
102.5°	3.0	21.2	51.4	61.9	64.2
105°	3.0	17.4	43.1	52.1	54.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.3	10.6	25.7	32.5	34.0
115°	6.0	9.1	21.9	28.0	29.5
117.5°	6.0	7.6	18.9	23.4	24.9
120°	6.0	6.8	16.6	20.4	21.2
122.5°	6.0	6.0	14.4	18.1	18.9
125°	5.3	6.0	13.6	15.9	16.6
127.5°	6.0	6.0	12.1	14.4	15.1
130°	6.0	6.8	10.6	13.6	13.6
132.5°	6.8	7.6	9.8	12.8	12.8
135°	6.8	7.6	8.3	12.1	12.8
137.5°	7.6	7.6	7.6	11.3	12.1
140°	7.6	7.6	6.8	9.8	10.6
142.5°	6.8	7.6	6.8	9.1	9.8
145°	6.8	7.6	7.6	8.3	9.1
147.5°	7.6	7.6	7.6	7.6	8.3
150°	7.6	7.6	7.6	7.6	7.6
152.5°	7.6	7.6	7.6	7.6	7.6
155°	7.6	8.3	8.3	8.3	7.6
157.5°	7.6	8.3	8.3	8.3	8.3
160°	7.6	8.3	8.3	8.3	8.3
162.5°	8.3	8.3	8.3	8.3	8.3
165°	8.3	8.3	8.3	8.3	8.3
167.5°	8.3	9.1	8.3	8.3	8.3
170°	8.3	8.3	8.3	7.6	7.6
172.5°	8.3	8.3	8.3	7.6	7.6
175°	8.3	8.3	7.6	6.8	6.8
177.5°	9.1	8.3	7.6	6.8	6.0
180°	7.6	7.6	7.6	7.6	7.6



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	3.8	14.4	37.0	44.6	46.1
110°	4.5	12.1	31.0	37.8	39.3



(END OF REPORT)