

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: P829825

Luminaire Tested: **OHBL-15SE-MCL-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829825
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-MCL-UNV-L940-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

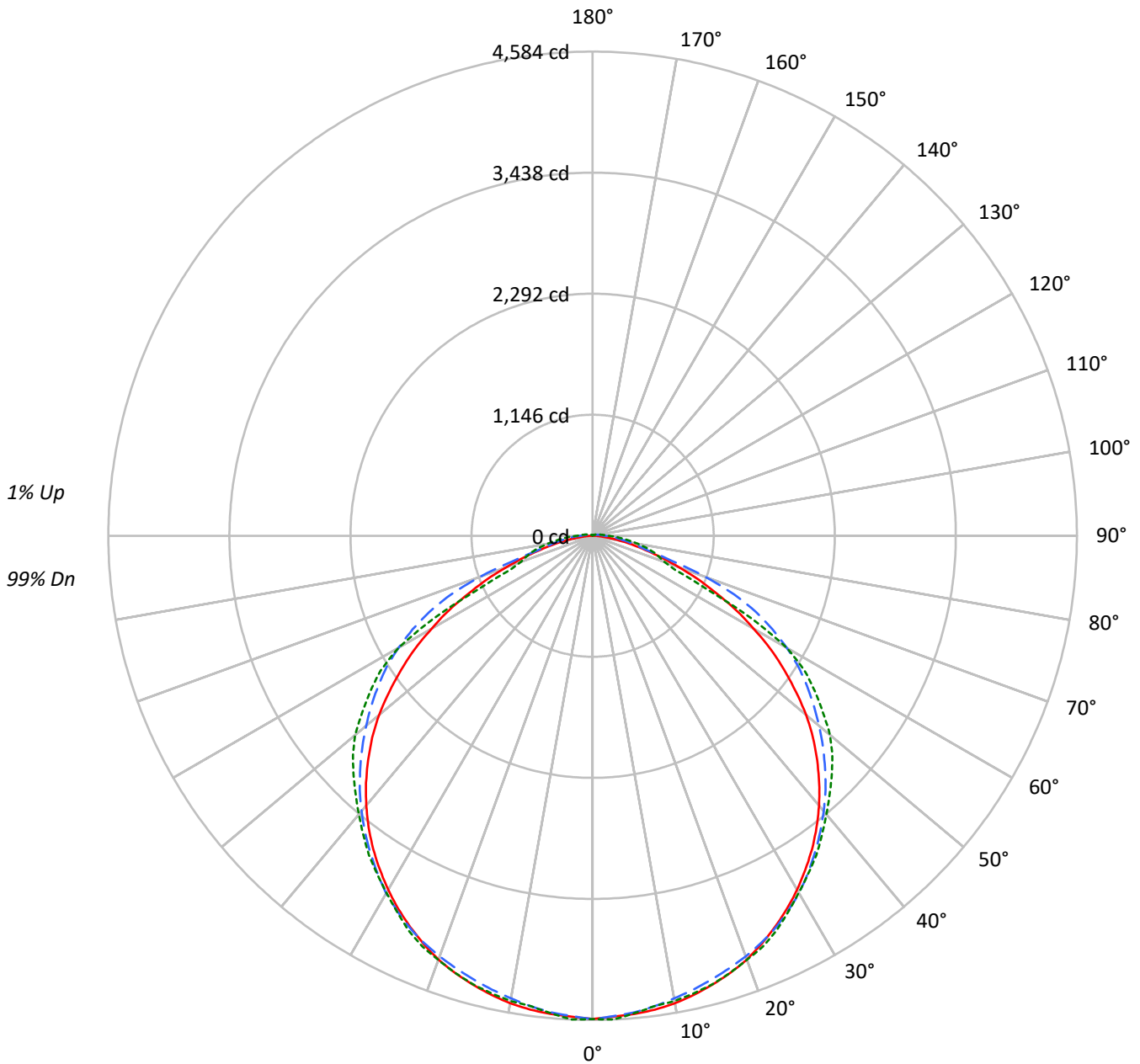
Lumens per Lamp: N/A
Luminaire Lumens: 12931.0 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	14884	14884	14884
5°	14786	14580	14575
10°	14732	14274	14293
15°	14639	14026	14078
20°	14545	13838	13833
25°	14370	13648	13589
30°	14179	13396	13206
35°	13951	13047	12934
40°	13654	12686	12605
45°	13243	12277	12368
50°	12686	11819	12098
55°	11800	11354	11456
60°	10641	10723	10382
65°	9128	9675	6417
70°	7353	7374	4502
75°	5512	4232	4364
80°	3837	3340	3884
85°	2184	2788	3218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.4	3.3
10°-20°	1237.0	9.6
20°-30°	1889.3	14.6
30°-40°	2292.3	17.7
40°-50°	2402.6	18.6
50°-60°	2177.1	16.8
60°-70°	1459.7	11.3
70°-80°	655.5	5.1
80°-90°	237.9	1.8
90°-100°	71.6	0.6
100°-110°	33.8	0.3
110°-120°	16.9	0.1
120°-130°	9.4	0.1
130°-140°	6.4	0.0
140°-150°	4.3	0.0
150°-160°	3.2	0.0
160°-170°	2.1	0.0
170°-180°	0.7	0.0
0°-30°	3557.7	27.5
0°-40°	5850.0	45.2
0°-60°	10429.7	80.7
0°-90°	12782.7	98.9
90°-120°	122.3	0.9
90°-150°	142.4	1.1
90°-180°	148.0	1.1
0°-180°	12931.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4575	4575	4575	4575	4575	
5°	4545	4561	4529	4543	4537	432
15°	4398	4380	4349	4388	4393	1242
25°	4086	4068	4096	4134	4122	1883
35°	3621	3630	3667	3706	3691	2263
45°	3005	3054	3111	3190	3200	2315
55°	2211	2318	2476	2575	2569	1974
65°	1298	1501	1704	1438	1174	1293
75°	511	741	545	558	594	558
85°	88	169	216	261	274	107
90°	1	56	112	140	147	5
95°	1	35	77	93	96	1
105°	3	15	38	46	48	3
115°	5	8	19	24	26	5
125°	5	5	12	14	15	5
135°	6	7	7	11	11	5
145°	6	7	7	7	8	4
155°	7	7	7	7	7	3
165°	7	7	7	7	7	2
175°	7	7	7	6	6	1
180°	7	7	7	7	7	



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CATALOG NUMBER: OHBL-15SE-MCL-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4575.0	4575.0	4575.0	4575.0	4575.0
2.5°	4556.5	4575.7	4551.8	4577.6	4584.3
5°	4545.2	4561.1	4529.4	4543.2	4537.3
7.5°	4524.7	4530.0	4492.3	4503.6	4491.6
10°	4494.3	4491.6	4447.3	4469.2	4471.8
12.5°	4449.3	4441.4	4401.7	4434.8	4435.4
15°	4397.7	4380.5	4349.4	4387.8	4393.1
17.5°	4338.2	4315.7	4295.2	4344.8	4336.9
20°	4268.7	4242.3	4238.3	4292.5	4272.7
22.5°	4182.7	4162.2	4171.5	4223.1	4210.5
25°	4085.5	4067.6	4096.1	4133.8	4121.9
27.5°	3982.9	3972.4	4004.8	4033.9	4010.7
30°	3870.5	3864.5	3907.5	3931.4	3902.2
32.5°	3748.1	3750.1	3791.1	3823.5	3796.4
35°	3621.1	3629.7	3666.7	3705.8	3691.2
37.5°	3481.5	3500.7	3537.8	3582.1	3566.9
40°	3334.0	3361.8	3402.8	3456.4	3442.5
42.5°	3174.6	3209.6	3262.6	3322.1	3320.8
45°	3005.2	3054.2	3111.1	3190.5	3200.4
47.5°	2829.3	2884.2	2956.3	3062.1	3077.3
50°	2638.1	2706.9	2796.9	2923.9	2933.1
52.5°	2425.1	2519.0	2638.1	2759.8	2748.6
55°	2211.4	2317.9	2476.0	2575.3	2569.3
57.5°	1998.4	2118.2	2310.0	2380.8	2380.1
60°	1760.3	1911.8	2121.5	2175.0	2122.1
62.5°	1540.0	1702.7	1920.4	1881.3	1700.1
65°	1297.9	1501.0	1704.0	1438.1	1174.2
67.5°	1082.9	1294.6	1447.4	985.0	843.4
70°	866.6	1100.1	1128.5	731.0	721.0
72.5°	674.7	923.5	778.6	625.8	657.5
75°	510.7	740.9	545.1	557.7	594.0
77.5°	372.4	568.9	424.0	488.9	518.6
80°	256.0	402.9	346.0	410.8	431.3
82.5°	160.7	265.9	277.2	330.8	351.9
85°	88.0	168.7	216.3	261.3	273.9
87.5°	36.4	101.9	165.4	201.8	212.3
90°	0.7	56.2	111.8	140.2	146.9
92.5°	0.7	43.0	91.3	113.1	117.7
95°	0.7	35.1	76.7	93.3	95.9
97.5°	1.3	27.8	64.2	77.4	80.0
100°	2.0	23.2	53.6	64.8	66.8
102.5°	2.6	18.5	45.0	54.2	56.2
105°	2.6	15.2	37.7	45.6	47.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.6	9.3	22.5	28.4	29.8
115°	5.3	7.9	19.2	24.5	25.8
117.5°	5.3	6.6	16.5	20.5	21.8
120°	5.3	6.0	14.6	17.9	18.5
122.5°	5.3	5.3	12.6	15.9	16.5
125°	4.6	5.3	11.9	13.9	14.6
127.5°	5.3	5.3	10.6	12.6	13.2
130°	5.3	6.0	9.3	11.9	11.9
132.5°	6.0	6.6	8.6	11.2	11.2
135°	6.0	6.6	7.3	10.6	11.2
137.5°	6.6	6.6	6.6	9.9	10.6
140°	6.6	6.6	6.0	8.6	9.3
142.5°	6.0	6.6	6.0	7.9	8.6
145°	6.0	6.6	6.6	7.3	7.9
147.5°	6.6	6.6	6.6	6.6	7.3
150°	6.6	6.6	6.6	6.6	6.6
152.5°	6.6	6.6	6.6	6.6	6.6
155°	6.6	7.3	7.3	7.3	6.6
157.5°	6.6	7.3	7.3	7.3	7.3
160°	6.6	7.3	7.3	7.3	7.3
162.5°	7.3	7.3	7.3	7.3	7.3
165°	7.3	7.3	7.3	7.3	7.3
167.5°	7.3	7.9	7.3	7.3	7.3
170°	7.3	7.3	7.3	6.6	6.6
172.5°	7.3	7.3	7.3	6.6	6.6
175°	7.3	7.3	6.6	6.0	6.0
177.5°	7.9	7.3	6.6	6.0	5.3
180°	6.6	6.6	6.6	6.6	6.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.3	12.6	32.4	39.0	40.4
110°	4.0	10.6	27.1	33.1	34.4



(END OF REPORT)