

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: P829841

Luminaire Tested: **OHBL-15SE-N-UNV-L740-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829841  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15SE-N-UNV-L740-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

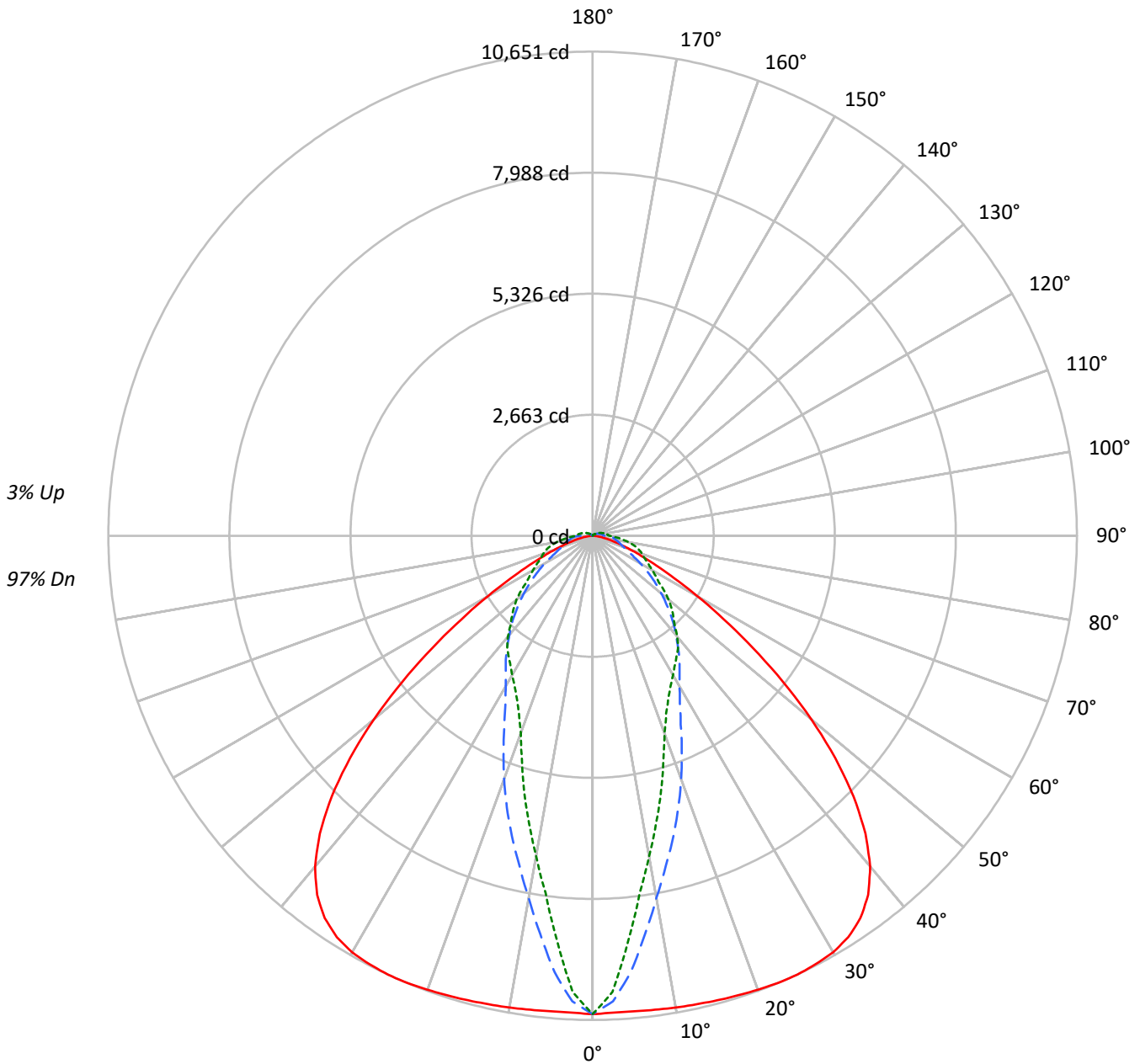
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15529.0 lumens  
Efficiency: N/A  
Efficacy: 178.5 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
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<sub>in</sub>): 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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	34230	34230	34230
5°	34161	31001	28757
10°	34546	25970	22881
15°	35221	22088	18634
20°	36210	18571	14953
25°	37463	15281	12994
30°	38758	13083	11967
35°	39564	11844	11296
40°	38887	10621	10608
45°	35775	9520	9710
50°	30183	8332	8997
55°	22934	7219	7885
60°	16072	6109	7412
65°	10811	5174	7093
70°	7383	4750	7222
75°	5124	4750	7401
80°	3527	5017	7151
85°	2063	5769	6717



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	885.7	5.7
10°-20°	2083.6	13.4
20°-30°	2611.7	16.8
30°-40°	2771.4	17.8
40°-50°	2505.7	16.1
50°-60°	1816.8	11.7
60°-70°	1140.1	7.3
70°-80°	754.5	4.9
80°-90°	434.7	2.8
90°-100°	210.6	1.4
100°-110°	145.4	0.9
110°-120°	89.7	0.6
120°-130°	43.4	0.3
130°-140°	20.0	0.1
140°-150°	10.9	0.1
150°-160°	4.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5581.0	35.9
0°-40°	8352.4	53.8
0°-60°	12675.0	81.6
0°-90°	15004.3	96.6
90°-120°	445.6	2.9
90°-150°	519.9	3.3
90°-180°	525.0	3.4
0°-180°	15529.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10522	10522	10522	10522	10522	
5°	10501	10231	9630	9184	8952	###
15°	10581	8624	6850	6092	5815	3001
25°	10651	6668	4586	4071	3942	4921
35°	10269	4433	3329	3224	3224	6384
45°	8118	2808	2412	2470	2512	6185
55°	4298	1740	1574	1707	1768	3883
65°	1537	1009	911	1168	1298	1600
75°	475	544	612	950	1007	529
85°	83	225	448	623	572	100
90°	0	94	259	366	368	5
95°	4	66	228	310	324	4
105°	8	44	166	220	226	8
115°	11	31	112	140	143	11
125°	12	16	57	72	71	10
135°	10	12	25	39	39	8
145°	12	13	15	23	22	7
155°	12	15	16	17	15	4
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-15SE-N-UNV-L740-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10521.7	10521.7	10521.7	10521.7	10521.7
2.5°	10499.7	10439.6	10252.3	10138.2	10042.1
5°	10500.7	10231.3	9630.5	9183.9	8952.5
7.5°	10515.7	9916.9	8834.4	8182.5	7928.1
10°	10538.7	9527.3	8091.3	7396.4	7159.0
12.5°	10555.8	9088.7	7437.4	6723.4	6463.0
15°	10580.8	8624.1	6849.6	6091.5	5815.1
17.5°	10603.8	8186.5	6268.8	5476.7	5169.2
20°	10626.9	7714.8	5688.0	4871.8	4618.5
22.5°	10648.9	7217.1	5121.2	4402.2	4228.9
25°	10650.9	6668.3	4586.4	4070.7	3941.5
27.5°	10624.9	6099.5	4152.8	3793.3	3713.2
30°	10579.8	5547.8	3816.3	3593.0	3535.9
32.5°	10467.6	4985.0	3556.0	3399.8	3366.7
35°	10269.4	4433.2	3328.7	3224.5	3223.5
37.5°	9956.9	3943.5	3082.3	3064.3	3086.3
40°	9495.3	3514.9	2849.0	2897.1	2897.1
42.5°	8879.4	3142.4	2637.7	2686.8	2673.7
45°	8118.4	2807.9	2412.4	2470.5	2512.5
47.5°	7236.1	2513.5	2182.1	2294.2	2352.3
50°	6276.8	2233.1	1971.8	2115.0	2181.1
52.5°	5271.4	1973.8	1766.5	1930.7	1983.8
55°	4298.0	1740.4	1574.2	1707.4	1768.5
57.5°	3416.8	1518.1	1385.9	1512.1	1638.3
60°	2658.7	1326.9	1208.7	1388.9	1515.1
62.5°	2030.8	1156.6	1042.5	1273.8	1400.0
65°	1537.2	1009.4	911.3	1167.6	1297.8
67.5°	1158.6	882.2	809.1	1090.5	1217.7
70°	870.2	759.1	727.0	1042.5	1156.6
72.5°	642.9	645.9	661.9	1000.4	1087.5
75°	474.7	543.8	611.9	950.3	1007.4
77.5°	339.5	450.6	566.8	890.2	910.3
80°	235.3	367.5	519.7	811.1	794.1
82.5°	147.2	294.4	477.7	724.0	676.9
85°	83.1	225.3	447.6	622.9	571.8
87.5°	37.1	168.2	391.5	485.7	453.6
90°	0.0	94.1	259.4	365.5	368.5
92.5°	2.0	78.1	239.3	334.5	344.5
95°	4.0	66.1	228.3	310.4	324.5
97.5°	5.0	58.1	214.3	288.4	300.4
100°	6.0	52.1	197.3	265.4	275.4
102.5°	7.0	48.1	181.3	241.3	249.3
105°	8.0	44.1	166.2	220.3	226.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.0	34.0	125.2	158.2	163.2
115°	11.0	31.0	112.2	140.2	143.2
117.5°	12.0	27.0	98.1	123.2	124.2
120°	12.0	24.0	84.1	105.1	105.1
122.5°	12.0	20.0	70.1	87.1	86.1
125°	12.0	16.0	57.1	72.1	71.1
127.5°	11.0	13.0	46.1	60.1	59.1
130°	11.0	13.0	37.1	51.1	51.1
132.5°	10.0	12.0	30.0	44.1	44.1
135°	10.0	12.0	25.0	39.1	39.1
137.5°	10.0	13.0	21.0	34.0	34.0
140°	10.0	12.0	18.0	30.0	30.0
142.5°	11.0	12.0	16.0	26.0	26.0
145°	12.0	13.0	15.0	23.0	22.0
147.5°	12.0	14.0	15.0	20.0	19.0
150°	12.0	15.0	15.0	18.0	17.0
152.5°	12.0	15.0	15.0	17.0	16.0
155°	12.0	15.0	16.0	17.0	15.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	8.0	41.1	152.2	197.3	204.3
110°	9.0	37.1	139.2	176.2	183.3



(END OF REPORT)