

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: P829867

Luminaire Tested: **OHBL-15SE-W-UNV-L830-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829867  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15SE-W-UNV-L830-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

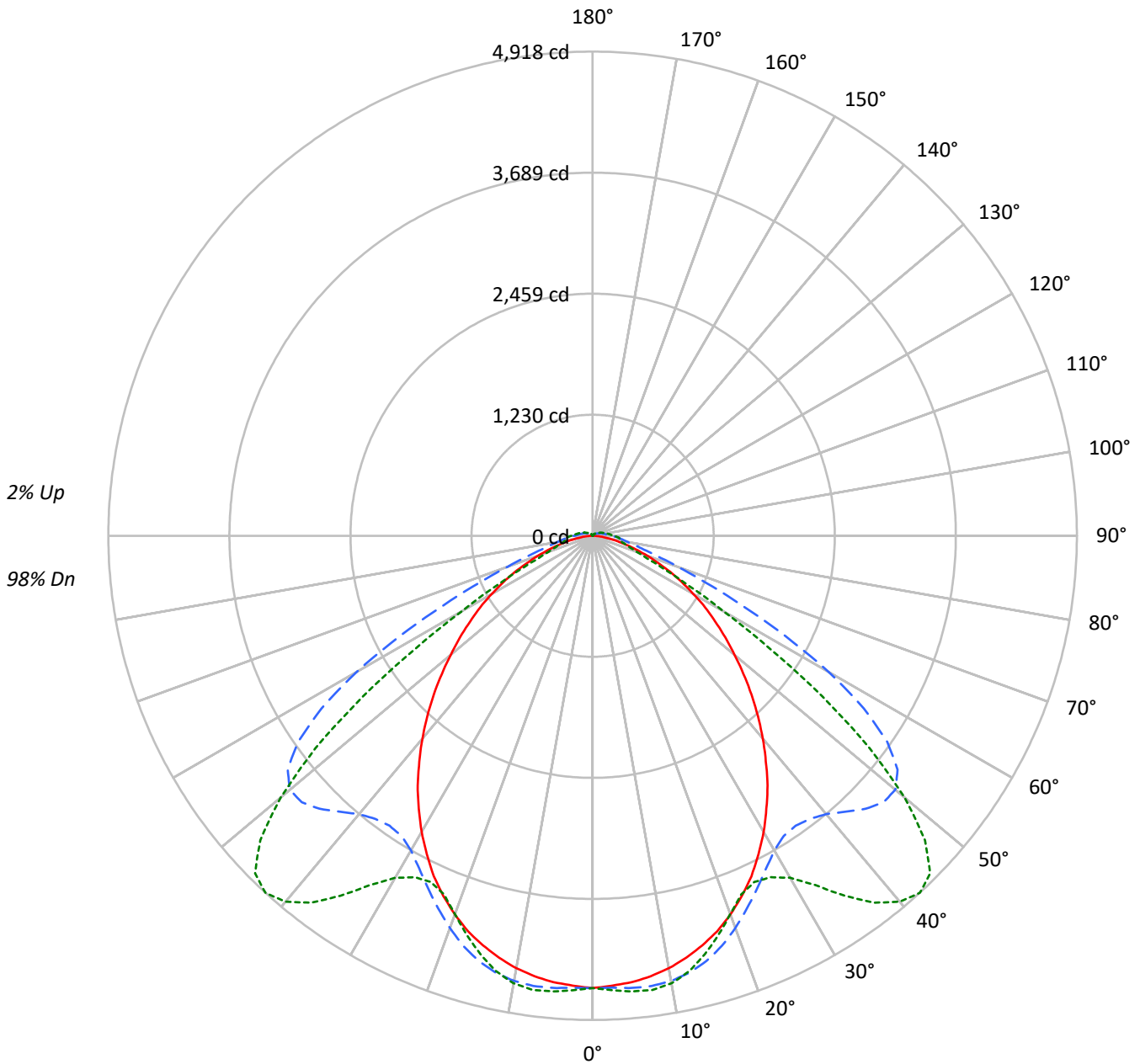
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13755.0 lumens  
Efficiency: N/A  
Efficacy: 158.1 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
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

TEST NUMBER: P829867

CATALOG NUMBER: OHBL-15SE-W-UNV-L830-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P829867

CATALOG NUMBER: OHBL-15SE-W-UNV-L830-CD

**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	105	105	105	100	100	100					98															
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83															
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70															
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59															
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50															
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43															
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38															
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33															
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29															
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24															

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

	0°	45°	90°
0°	14945	14945	14945
5°	14806	14842	14925
10°	14620	14738	14756
15°	14335	14415	14102
20°	13945	13841	13237
25°	13422	13167	12796
30°	12726	12647	13572
35°	11933	12795	15636
40°	11013	13756	17768
45°	10050	15477	18734
50°	9046	16954	17052
55°	8102	16748	12692
60°	7142	13982	7516
65°	6127	9494	4371
70°	4979	6003	2989
75°	3788	4171	2563
80°	2719	3493	2553
85°	1844	3526	3179



TEST NUMBER: P829867

CATALOG NUMBER: OHBL-15SE-W-UNV-L830-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	439.0	3.2
10°-20°	1243.1	9.0
20°-30°	1819.1	13.2
30°-40°	2362.5	17.2
40°-50°	2884.9	21.0
50°-60°	2540.6	18.5
60°-70°	1323.9	9.6
70°-80°	567.7	4.1
80°-90°	272.7	2.0
90°-100°	128.1	0.9
100°-110°	79.6	0.6
110°-120°	47.1	0.3
120°-130°	25.6	0.2
130°-140°	12.8	0.1
140°-150°	6.2	0.0
150°-160°	2.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3501.2	25.5
0°-40°	5863.7	42.6
0°-60°	11289.1	82.1
0°-90°	13453.5	97.8
90°-120°	254.8	1.9
90°-150°	299.4	2.2
90°-180°	302.0	2.2
0°-180°	13755.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4594	4594	4594	4594	4594	
5°	4551	4586	4611	4651	4646	432
15°	4306	4427	4470	4436	4401	1213
25°	3816	4020	3952	3877	3881	1751
35°	3097	3424	3596	4194	4462	1930
45°	2281	2869	3922	4748	4848	1759
55°	1518	2514	3652	3202	2846	1363
65°	871	1741	1672	930	800	862
75°	351	815	537	368	349	383
85°	74	290	274	268	271	83
90°	1	105	180	206	211	5
95°	2	62	144	168	173	1
105°	4	35	93	112	114	4
115°	6	20	58	70	72	6
125°	7	10	34	44	45	6
135°	6	6	16	27	28	5
145°	8	6	7	13	15	5
155°	8	8	6	6	6	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P829867

CATALOG NUMBER: OHBL-15SE-W-UNV-L830-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4593.9	4593.9	4593.9	4593.9	4593.9
2.5°	4574.1	4593.9	4594.9	4622.7	4619.7
5°	4551.3	4586.0	4610.8	4651.4	4646.4
7.5°	4513.6	4568.1	4611.8	4656.4	4652.4
10°	4460.1	4534.5	4591.9	4628.6	4616.7
12.5°	4390.7	4488.9	4545.4	4553.3	4530.5
15°	4306.5	4427.4	4470.0	4436.3	4400.6
17.5°	4211.3	4353.1	4367.9	4294.6	4250.0
20°	4092.4	4254.0	4239.1	4138.0	4088.4
22.5°	3960.6	4144.9	4097.4	3991.3	3943.7
25°	3815.9	4020.1	3951.7	3877.3	3881.3
27.5°	3646.4	3878.3	3811.9	3845.6	3909.0
30°	3473.9	3729.6	3689.0	3885.3	4010.1
32.5°	3284.6	3577.0	3613.7	4001.2	4205.4
35°	3097.3	3424.4	3595.8	4193.5	4462.1
37.5°	2890.2	3269.8	3624.6	4415.5	4697.0
40°	2689.0	3119.1	3690.0	4614.7	4852.6
42.5°	2483.8	2984.3	3800.0	4732.7	4918.0
45°	2280.6	2869.3	3921.9	4748.5	4847.6
47.5°	2077.4	2772.2	4006.2	4622.7	4577.1
50°	1881.2	2686.0	4012.1	4320.4	4134.0
52.5°	1697.8	2606.7	3903.1	3838.7	3549.3
55°	1518.4	2513.5	3652.3	3202.4	2846.5
57.5°	1354.9	2384.7	3265.8	2518.5	2130.0
60°	1181.4	2210.2	2766.3	1842.5	1536.3
62.5°	1021.9	1993.2	2206.3	1282.5	1104.1
65°	871.2	1741.4	1672.0	929.7	799.8
67.5°	711.6	1480.8	1234.0	677.9	594.7
70°	586.8	1238.9	918.8	527.3	478.7
72.5°	458.9	1009.0	686.9	428.2	401.4
75°	350.9	814.7	537.2	367.7	348.9
77.5°	258.7	644.2	432.1	325.1	307.3
80°	181.4	507.5	361.8	290.4	283.5
82.5°	121.9	392.5	308.2	276.5	277.5
85°	74.3	290.4	273.6	267.6	270.6
87.5°	35.7	206.2	234.9	243.8	246.8
90°	1.0	105.1	180.4	206.2	211.1
92.5°	0.0	80.3	158.6	184.4	189.3
95°	2.0	61.5	143.7	168.5	173.4
97.5°	2.0	50.5	128.8	154.6	157.6
100°	3.0	43.6	115.0	139.8	142.7
102.5°	3.0	38.7	103.1	124.9	126.9
105°	4.0	34.7	93.2	112.0	114.0



TEST NUMBER: P829867

CATALOG NUMBER: OHBL-15SE-W-UNV-L830-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.9	23.8	65.4	79.3	81.3
115°	5.9	19.8	57.5	70.4	72.4
117.5°	6.9	17.8	50.5	62.4	63.4
120°	6.9	14.9	43.6	55.5	56.5
122.5°	6.9	11.9	38.7	49.6	50.5
125°	6.9	9.9	33.7	43.6	44.6
127.5°	5.9	6.9	28.7	38.7	39.6
130°	5.9	5.9	23.8	33.7	35.7
132.5°	5.9	5.9	19.8	29.7	31.7
135°	5.9	5.9	15.9	26.8	27.8
137.5°	5.9	5.9	12.9	22.8	24.8
140°	5.9	5.9	9.9	19.8	20.8
142.5°	6.9	5.9	8.9	16.8	17.8
145°	7.9	5.9	6.9	12.9	14.9
147.5°	7.9	6.9	6.9	10.9	11.9
150°	7.9	7.9	5.9	7.9	9.9
152.5°	7.9	7.9	5.9	5.9	7.9
155°	7.9	7.9	5.9	5.9	5.9
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°	5.0	30.7	83.3	100.1	102.1
110°	5.0	26.8	73.3	89.2	91.2



(END OF REPORT)