

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: P829863

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829863  
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-L730-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

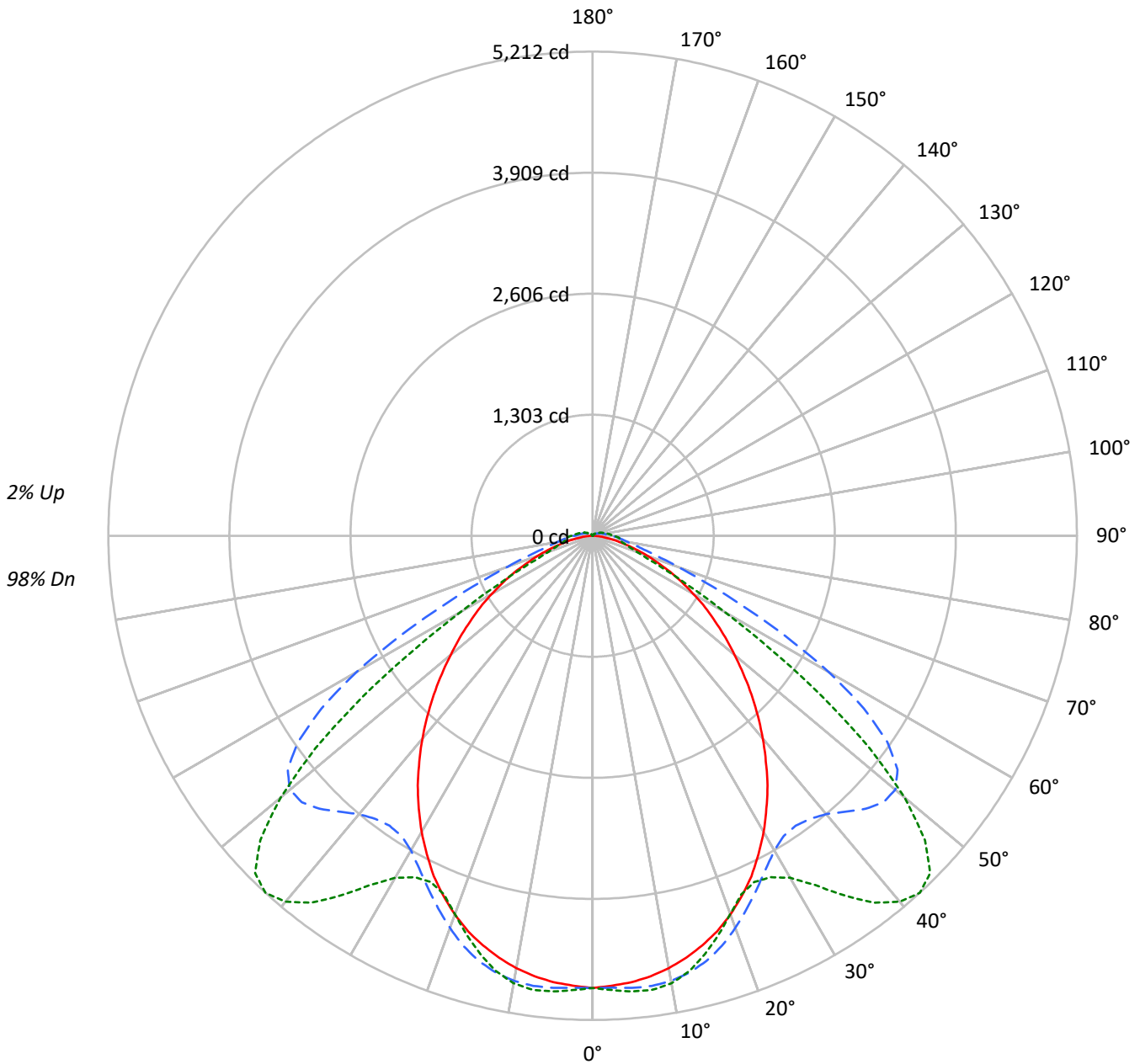
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14576.1 lumens  
Efficiency: N/A  
Efficacy: 167.5 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: P829863  
CATALOG NUMBER: OHBL-15SE-W-UNV-L730-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P829863

CATALOG NUMBER: OHBL-15SE-W-UNV-L730-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°	15837	15837	15837
5°	15690	15728	15816
10°	15493	15618	15636
15°	15191	15275	14944
20°	14777	14667	14027
25°	14223	13952	13560
30°	13486	13402	14382
35°	12645	13559	16569
40°	11670	14577	18829
45°	10649	16401	19853
50°	9586	17967	18070
55°	8586	17748	13450
60°	7568	14816	7965
65°	6493	10060	4632
70°	5276	6362	3167
75°	4013	4420	2716
80°	2881	3701	2705
85°	1956	3737	3368



TEST NUMBER: P829863

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	465.2	3.2
10°-20°	1317.3	9.0
20°-30°	1927.7	13.2
30°-40°	2503.5	17.2
40°-50°	3057.1	21.0
50°-60°	2692.2	18.5
60°-70°	1402.9	9.6
70°-80°	601.6	4.1
80°-90°	288.9	2.0
90°-100°	135.7	0.9
100°-110°	84.4	0.6
110°-120°	49.9	0.3
120°-130°	27.1	0.2
130°-140°	13.6	0.1
140°-150°	6.6	0.0
150°-160°	2.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3710.2	25.5
0°-40°	6213.7	42.6
0°-60°	11963.0	82.1
0°-90°	14256.5	97.8
90°-120°	270.0	1.9
90°-150°	317.3	2.2
90°-180°	320.0	2.2
0°-180°	14576.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4868	4868	4868	4868	4868	
5°	4823	4860	4886	4929	4924	457
15°	4564	4692	4737	4701	4663	1285
25°	4044	4260	4188	4109	4113	1856
35°	3282	3629	3810	4444	4728	2046
45°	2417	3041	4156	5032	5137	1863
55°	1609	2664	3870	3394	3016	1444
65°	923	1845	1772	985	848	913
75°	372	863	569	390	370	405
85°	79	308	290	284	287	88
90°	1	111	191	218	224	5
95°	2	65	152	179	184	2
105°	4	37	99	119	121	4
115°	6	21	61	75	77	7
125°	7	10	36	46	47	6
135°	6	6	17	28	29	5
145°	8	6	7	14	16	5
155°	8	8	6	6	6	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P829863

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4868.1	4868.1	4868.1	4868.1	4868.1
2.5°	4847.1	4868.1	4869.2	4898.6	4895.4
5°	4823.0	4859.7	4886.0	4929.0	4923.8
7.5°	4783.0	4840.8	4887.0	4934.3	4930.1
10°	4726.3	4805.1	4866.0	4904.9	4892.3
12.5°	4652.8	4756.8	4816.7	4825.1	4800.9
15°	4563.5	4691.7	4736.8	4701.1	4663.3
17.5°	4462.7	4612.9	4628.7	4550.9	4503.7
20°	4336.7	4507.9	4492.1	4385.0	4332.5
22.5°	4197.0	4392.3	4341.9	4229.5	4179.1
25°	4043.6	4260.0	4187.5	4108.8	4113.0
27.5°	3864.0	4109.8	4039.4	4075.1	4142.4
30°	3681.3	3952.3	3909.2	4117.2	4249.5
32.5°	3480.7	3790.5	3829.4	4240.0	4456.4
35°	3282.2	3628.8	3810.5	4443.8	4728.4
37.5°	3062.7	3464.9	3840.9	4679.1	4977.3
40°	2849.5	3305.3	3910.2	4890.2	5142.2
42.5°	2632.0	3162.4	4026.8	5015.2	5211.6
45°	2416.7	3040.6	4156.0	5032.0	5137.0
47.5°	2201.4	2937.7	4245.3	4898.6	4850.3
50°	1993.5	2846.3	4251.6	4578.2	4380.8
52.5°	1799.2	2762.3	4136.1	4067.8	3761.1
55°	1609.1	2663.5	3870.3	3393.5	3016.4
57.5°	1435.8	2527.0	3460.7	2668.8	2257.1
60°	1252.0	2342.2	2931.4	1952.5	1628.0
62.5°	1082.9	2112.1	2338.0	1359.1	1170.0
65°	923.2	1845.4	1771.8	985.2	847.6
67.5°	754.1	1569.1	1307.6	718.4	630.2
70°	621.8	1312.9	973.6	558.8	507.3
72.5°	486.3	1069.2	727.9	453.7	425.4
75°	371.8	863.3	569.3	389.7	369.7
77.5°	274.1	682.7	457.9	344.5	325.6
80°	192.2	537.8	383.4	307.7	300.4
82.5°	129.2	415.9	326.6	293.0	294.1
85°	78.8	307.7	289.9	283.6	286.7
87.5°	37.8	218.5	248.9	258.4	261.5
90°	1.1	111.3	191.2	218.5	223.7
92.5°	0.0	85.1	168.0	195.4	200.6
95°	2.1	65.1	152.3	178.6	183.8
97.5°	2.1	53.6	136.5	163.8	167.0
100°	3.2	46.2	121.8	148.1	151.2
102.5°	3.2	41.0	109.2	132.3	134.4
105°	4.2	36.8	98.7	118.7	120.8



TEST NUMBER: P829863

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	6.3	25.2	69.3	84.0	86.1
115°	6.3	21.0	60.9	74.6	76.7
117.5°	7.4	18.9	53.6	66.2	67.2
120°	7.4	15.8	46.2	58.8	59.9
122.5°	7.4	12.6	41.0	52.5	53.6
125°	7.4	10.5	35.7	46.2	47.3
127.5°	6.3	7.4	30.5	41.0	42.0
130°	6.3	6.3	25.2	35.7	37.8
132.5°	6.3	6.3	21.0	31.5	33.6
135°	6.3	6.3	16.8	28.4	29.4
137.5°	6.3	6.3	13.7	24.2	26.3
140°	6.3	6.3	10.5	21.0	22.1
142.5°	7.4	6.3	9.5	17.9	18.9
145°	8.4	6.3	7.4	13.7	15.8
147.5°	8.4	7.4	7.4	11.6	12.6
150°	8.4	8.4	6.3	8.4	10.5
152.5°	8.4	8.4	6.3	6.3	8.4
155°	8.4	8.4	6.3	6.3	6.3
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°	5.3	32.6	88.2	106.1	108.2
110°	5.3	28.4	77.7	94.5	96.6



(END OF REPORT)