

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: P829851

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829851  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15SE-NL-UNV-L730-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

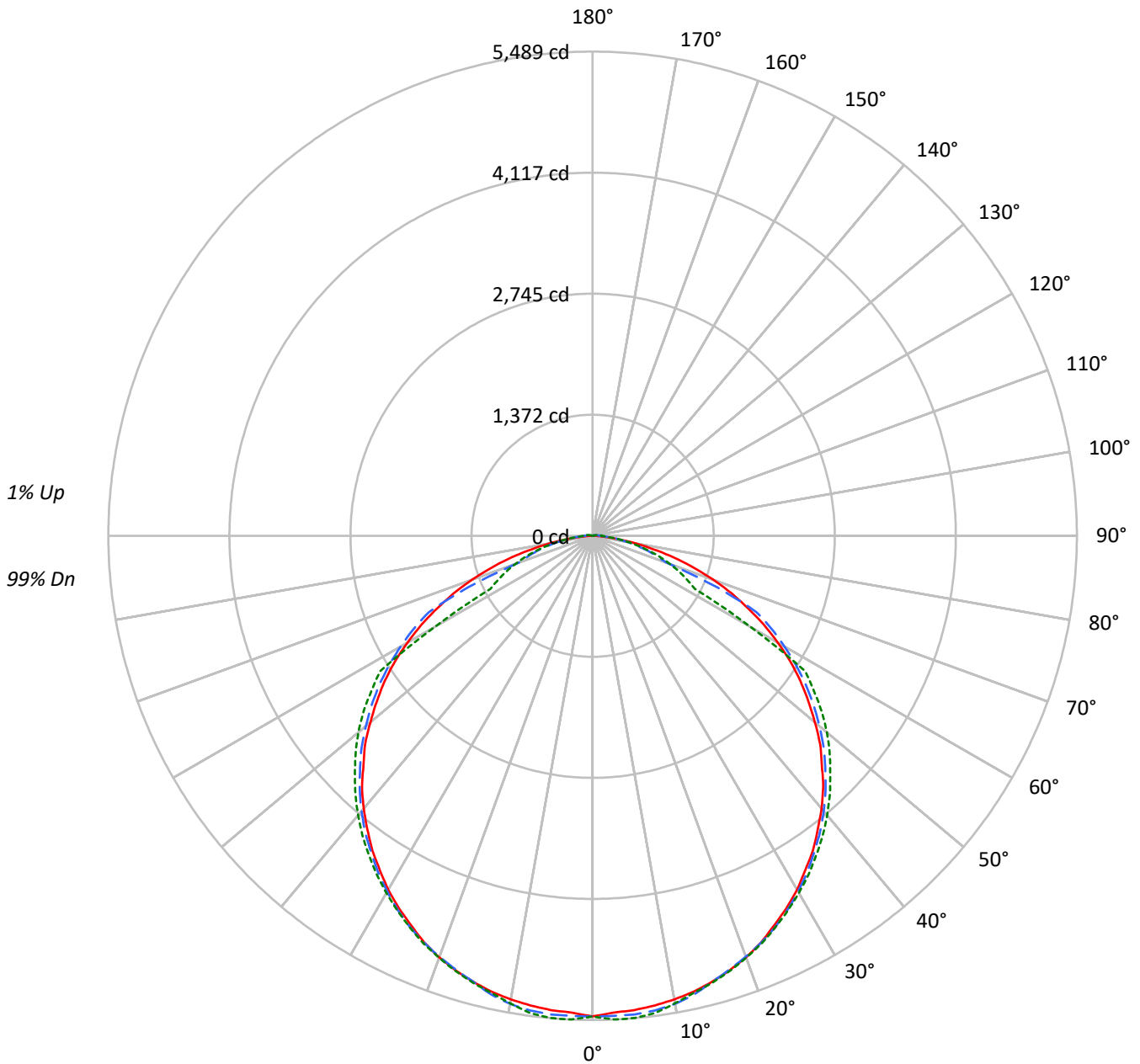
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15298.0 lumens  
Efficiency: N/A  
Efficacy: 175.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 0.88' x L: 3.78' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 87  
Input Voltage (V): NR  
Input Current (Ain): 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: P829851

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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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

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

	0°	45°	90°
0°	17727	17727	17727
5°	17629	17788	17922
10°	17633	17801	17779
15°	17631	17628	17666
20°	17607	17580	17623
25°	17486	17575	17589
30°	17405	17495	17563
35°	17292	17387	17550
40°	17143	17305	17561
45°	16896	17151	17525
50°	16641	16980	17541
55°	16323	16746	17348
60°	15776	16336	13506
65°	14926	15794	9090
70°	13805	8385	8821
75°	12042	7968	8424
80°	9261	7309	7721
85°	4673	7387	7563



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	517.6	3.4
10°-20°	1482.2	9.7
20°-30°	2255.3	14.7
30°-40°	2742.1	17.9
40°-50°	2883.2	18.8
50°-60°	2632.7	17.2
60°-70°	1687.7	11.0
70°-80°	797.2	5.2
80°-90°	221.1	1.4
90°-100°	58.5	0.4
100°-110°	16.0	0.1
110°-120°	4.4	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4255.1	27.8
0°-40°	6997.2	45.7
0°-60°	12513.0	81.8
0°-90°	15219.0	99.5
90°-120°	79.0	0.5
90°-150°	79.0	0.5
90°-180°	79.0	0.5
0°-180°	15298.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5449	5449	5449	5449	5449	
5°	5398	5419	5447	5476	5488	513
15°	5235	5274	5234	5241	5245	1478
25°	4871	4879	4896	4904	4900	2248
35°	4354	4328	4378	4432	4419	2721
45°	3672	3666	3728	3816	3809	2838
55°	2878	2856	2952	3051	3059	2566
65°	1939	1939	2052	1177	1181	1922
75°	958	976	634	667	670	1010
85°	125	159	198	214	203	185
90°	0	54	88	104	102	5
95°	3	28	63	85	85	2
105°	5	10	15	15	14	5
115°	5	7	10	7	1	3
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P829851

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5448.8	5448.8	5448.8	5448.8	5448.8
2.5°	5410.5	5428.7	5448.8	5474.6	5488.8
5°	5398.0	5419.1	5446.8	5476.5	5487.9
7.5°	5371.3	5400.9	5427.7	5448.8	5455.4
10°	5337.8	5373.2	5388.5	5386.6	5381.8
12.5°	5292.9	5330.2	5325.5	5303.4	5307.2
15°	5234.6	5273.7	5233.7	5241.2	5245.1
17.5°	5165.7	5204.0	5157.1	5172.4	5173.4
20°	5085.5	5114.1	5077.8	5090.2	5090.2
22.5°	4988.9	5008.9	4993.7	5002.3	5004.2
25°	4871.3	4878.9	4896.1	4903.8	4899.9
27.5°	4758.5	4748.9	4782.4	4800.5	4790.9
30°	4633.2	4617.9	4657.1	4686.7	4675.3
32.5°	4489.8	4480.2	4525.2	4560.5	4553.8
35°	4354.0	4328.2	4377.9	4431.5	4419.0
37.5°	4193.4	4178.1	4234.5	4291.0	4284.3
40°	4036.6	4010.8	4074.8	4141.8	4135.1
42.5°	3868.4	3837.7	3907.5	3987.9	3980.2
45°	3672.3	3665.6	3727.8	3815.7	3809.0
47.5°	3498.4	3464.9	3551.8	3637.0	3644.6
50°	3287.9	3275.6	3354.9	3458.2	3465.8
52.5°	3082.5	3073.9	3157.0	3261.2	3274.6
55°	2877.8	2855.8	2952.4	3050.9	3058.6
57.5°	2658.9	2636.0	2734.4	2841.5	2857.7
60°	2424.6	2402.6	2510.6	2610.1	2075.7
62.5°	2190.4	2175.1	2288.0	1620.6	1306.1
65°	1938.9	1938.9	2051.7	1176.9	1180.8
67.5°	1703.8	1688.5	1529.8	1057.4	1057.4
70°	1451.3	1457.1	881.5	926.5	927.4
72.5°	1198.0	1219.0	761.1	797.3	799.3
75°	958.0	976.2	633.9	667.4	670.2
77.5°	703.7	541.1	509.6	535.5	536.4
80°	494.3	341.3	390.1	414.9	412.1
82.5°	288.7	239.0	285.9	304.1	303.1
85°	125.2	158.7	197.9	214.2	202.6
87.5°	40.1	98.5	123.3	132.9	131.9
90°	0.0	53.5	88.0	104.2	102.3
92.5°	0.0	42.0	76.5	95.7	96.6
95°	2.8	27.7	63.2	85.1	85.1
97.5°	1.9	20.0	44.9	66.9	68.8
100°	1.9	16.2	29.7	47.8	48.8
102.5°	4.8	13.4	18.1	30.6	31.6
105°	4.8	10.5	15.3	15.3	14.4



TEST NUMBER: P829851

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.8	7.7	10.5	7.7	0.9
115°	4.8	6.7	9.5	6.7	0.9
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	4.8	9.5	13.4	8.6	2.8
110°	5.8	8.6	11.4	7.7	0.9



(END OF REPORT)