

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: P829861

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

Issue Date: 5/3/2024



**Test Information**

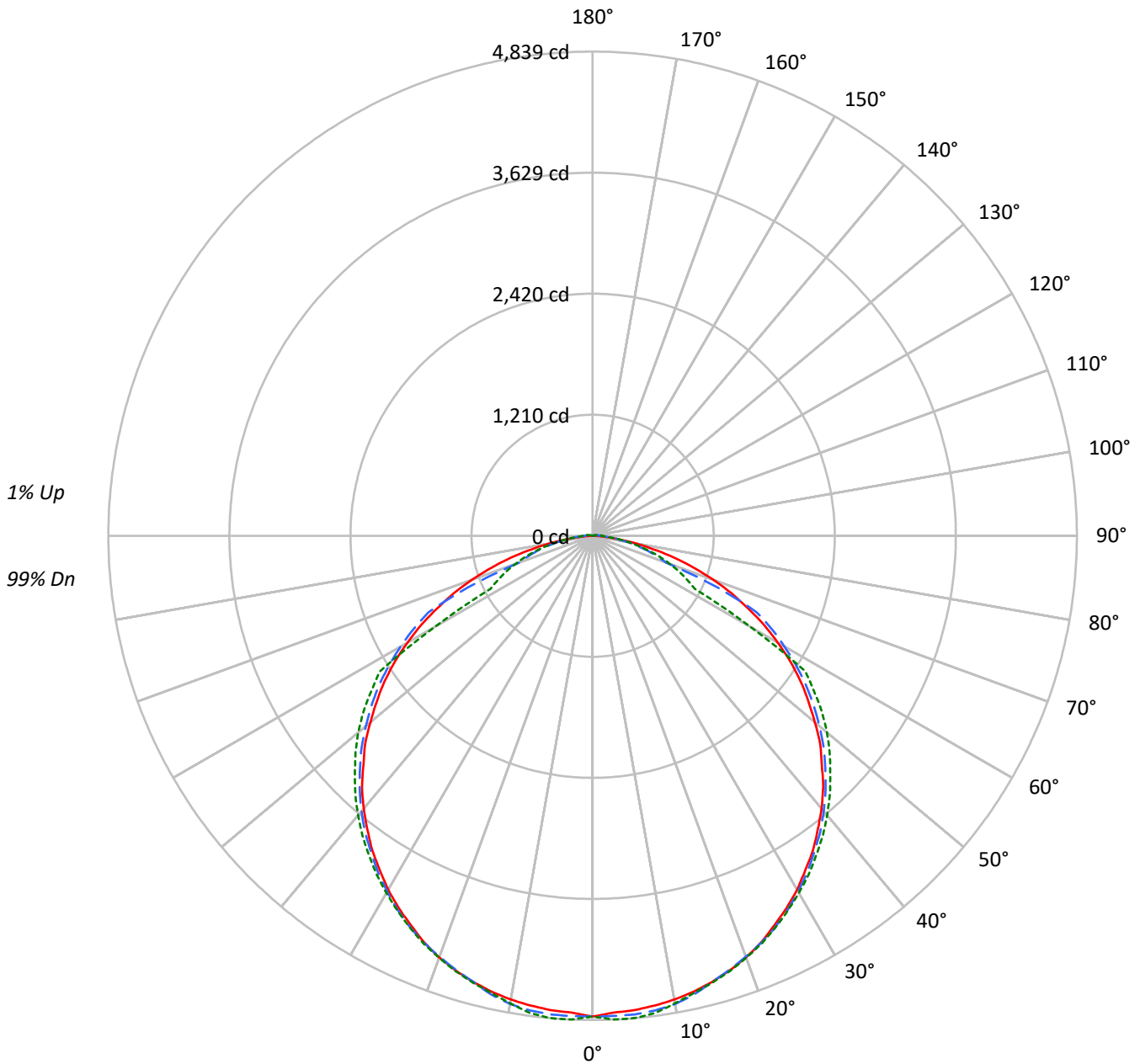
Test Method: LM-79-08  
Report Number: P829861  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15SE-NL-UNV-L940-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13488.0 lumens  
Efficiency: N/A  
Efficacy: 155.0 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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20	
RC	80				70				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				99
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84				84
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71				71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60				60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

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

	0°	45°	90°
0°	15629	15629	15629
5°	15543	15683	15802
10°	15547	15695	15675
15°	15544	15542	15576
20°	15523	15500	15538
25°	15417	15496	15508
30°	15346	15425	15485
35°	15246	15330	15474
40°	15115	15258	15483
45°	14897	15122	15452
50°	14672	14971	15466
55°	14392	14765	15296
60°	13909	14403	11908
65°	13160	13925	8014
70°	12172	7393	7778
75°	10617	7025	7428
80°	8165	6445	6806
85°	4121	6514	6670



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	456.4	3.4
10°-20°	1306.8	9.7
20°-30°	1988.4	14.7
30°-40°	2417.6	17.9
40°-50°	2542.0	18.8
50°-60°	2321.2	17.2
60°-70°	1488.0	11.0
70°-80°	702.9	5.2
80°-90°	194.9	1.4
90°-100°	51.6	0.4
100°-110°	14.1	0.1
110°-120°	3.9	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°	3751.6	27.8
0°-40°	6169.3	45.7
0°-60°	11032.5	81.8
0°-90°	13418.3	99.5
90°-120°	69.7	0.5
90°-150°	69.7	0.5
90°-180°	70.0	0.5
0°-180°	13488.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4804	4804	4804	4804	4804	
5°	4759	4778	4802	4828	4839	453
15°	4615	4650	4614	4621	4624	1303
25°	4295	4302	4317	4324	4320	1982
35°	3839	3816	3860	3907	3896	2399
45°	3238	3232	3287	3364	3358	2503
55°	2537	2518	2603	2690	2697	2263
65°	1710	1710	1809	1038	1041	1695
75°	845	861	559	588	591	890
85°	110	140	174	189	179	163
90°	0	47	78	92	90	5
95°	2	24	56	75	75	1
105°	4	9	14	14	13	4
115°	4	6	8	6	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4804.1	4804.1	4804.1	4804.1	4804.1
2.5°	4770.3	4786.4	4804.1	4826.8	4839.4
5°	4759.4	4777.9	4802.4	4828.5	4838.6
7.5°	4735.8	4761.9	4785.5	4804.1	4810.0
10°	4706.3	4737.5	4751.0	4749.3	4745.1
12.5°	4666.6	4699.6	4695.4	4675.9	4679.3
15°	4615.2	4649.8	4614.4	4621.1	4624.5
17.5°	4554.5	4588.3	4547.0	4560.4	4561.3
20°	4483.8	4509.0	4477.0	4488.0	4488.0
22.5°	4398.6	4416.3	4402.8	4410.4	4412.1
25°	4294.9	4301.6	4316.8	4323.6	4320.2
27.5°	4195.5	4187.0	4216.6	4232.5	4224.1
30°	4085.0	4071.5	4106.1	4132.2	4122.1
32.5°	3958.6	3950.2	3989.8	4020.9	4015.0
35°	3838.9	3816.1	3859.9	3907.1	3896.2
37.5°	3697.2	3683.8	3733.5	3783.3	3777.4
40°	3559.0	3536.2	3592.7	3651.7	3645.8
42.5°	3410.7	3383.6	3445.2	3516.1	3509.3
45°	3237.8	3231.9	3286.7	3364.3	3358.4
47.5°	3084.5	3054.9	3131.6	3206.6	3213.4
50°	2898.9	2888.0	2958.0	3049.0	3055.7
52.5°	2717.8	2710.2	2783.4	2875.4	2887.1
55°	2537.3	2517.9	2603.1	2689.9	2696.7
57.5°	2344.3	2324.1	2410.9	2505.3	2519.6
60°	2137.7	2118.4	2213.6	2301.3	1830.1
62.5°	1931.2	1917.7	2017.3	1428.8	1151.6
65°	1709.5	1709.5	1808.9	1037.7	1041.1
67.5°	1502.2	1488.7	1348.8	932.3	932.3
70°	1279.6	1284.7	777.2	816.9	817.7
72.5°	1056.2	1074.8	671.0	703.0	704.7
75°	844.6	860.7	558.9	588.4	590.9
77.5°	620.4	477.1	449.3	472.1	472.9
80°	435.8	300.9	344.0	365.8	363.3
82.5°	254.5	210.7	252.0	268.1	267.2
85°	110.4	139.9	174.5	188.8	178.7
87.5°	35.3	86.8	108.7	117.2	116.3
90°	0.0	47.2	77.6	91.8	90.2
92.5°	0.0	37.0	67.5	84.3	85.1
95°	2.5	24.5	55.7	75.1	75.1
97.5°	1.7	17.7	39.6	59.0	60.7
100°	1.7	14.3	26.1	42.1	43.0
102.5°	4.2	11.8	16.0	27.0	27.8
105°	4.2	9.3	13.5	13.5	12.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.1	6.8	9.3	6.8	0.8
115°	4.2	5.9	8.4	5.9	0.8
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°	4.2	8.4	11.8	7.6	2.5
110°	5.1	7.6	10.1	6.8	0.8



(END OF REPORT)