

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: P829854

Luminaire Tested: **OHBL-15SE-NL-UNV-L750-CD**

Issue Date: 5/3/2024



**Test Information**

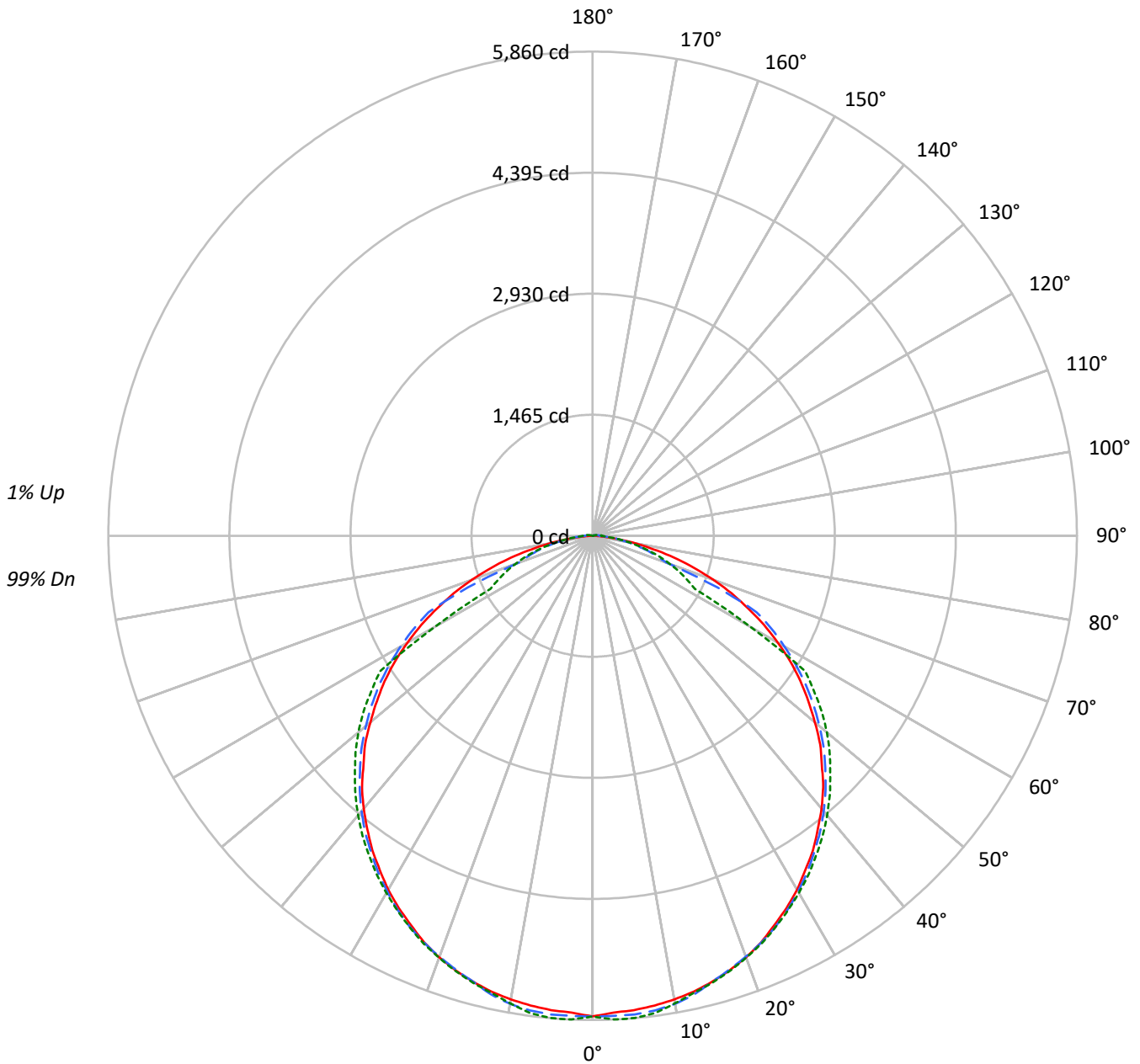
Test Method: LM-79-08  
Report Number: P829854  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15SE-NL-UNV-L750-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16332.0 lumens  
Efficiency: N/A  
Efficacy: 187.7 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									
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°	18925	18925	18925
5°	18820	18990	19134
10°	18825	19004	18981
15°	18822	18819	18860
20°	18796	18768	18814
25°	18668	18763	18778
30°	18582	18677	18750
35°	18461	18562	18737
40°	18302	18475	18748
45°	18038	18310	18710
50°	17766	18128	18727
55°	17426	17878	18521
60°	16842	17440	14419
65°	15935	16862	9704
70°	14738	8951	9418
75°	12855	8506	8994
80°	9887	7803	8242
85°	4991	7887	8074



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	552.6	3.4
10°-20°	1582.4	9.7
20°-30°	2407.7	14.7
30°-40°	2927.4	17.9
40°-50°	3078.0	18.8
50°-60°	2810.6	17.2
60°-70°	1801.7	11.0
70°-80°	851.1	5.2
80°-90°	236.0	1.4
90°-100°	62.5	0.4
100°-110°	17.1	0.1
110°-120°	4.7	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°	4542.7	27.8
0°-40°	7470.1	45.7
0°-60°	13358.8	81.8
0°-90°	16247.6	99.5
90°-120°	84.4	0.5
90°-150°	84.4	0.5
90°-180°	84.0	0.5
0°-180°	16332.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5817	5817	5817	5817	5817	
5°	5763	5785	5815	5847	5859	548
15°	5588	5630	5587	5596	5600	1578
25°	5200	5209	5227	5235	5231	2400
35°	4648	4621	4674	4731	4718	2905
45°	3920	3913	3980	4074	4066	3030
55°	3072	3049	3152	3257	3265	2740
65°	2070	2070	2190	1256	1261	2052
75°	1023	1042	677	712	716	1078
85°	134	169	211	229	216	198
90°	0	57	94	111	109	6
95°	3	30	67	91	91	2
105°	5	11	16	16	15	5
115°	5	7	10	7	1	4
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



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CATALOG NUMBER: OHBL-15SE-NL-UNV-L750-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5817.0	5817.0	5817.0	5817.0	5817.0
2.5°	5776.2	5795.6	5817.0	5844.6	5859.8
5°	5762.9	5785.4	5815.0	5846.6	5858.9
7.5°	5734.4	5765.9	5794.6	5817.0	5824.2
10°	5698.6	5736.4	5752.7	5750.7	5745.6
12.5°	5650.6	5690.5	5685.4	5661.9	5666.0
15°	5588.4	5630.2	5587.4	5595.5	5599.6
17.5°	5514.9	5555.7	5505.7	5522.0	5523.1
20°	5429.2	5459.8	5421.0	5434.3	5434.3
22.5°	5326.1	5347.5	5331.2	5340.4	5342.4
25°	5200.5	5208.6	5227.0	5235.2	5231.1
27.5°	5080.1	5069.9	5105.6	5125.0	5114.7
30°	4946.4	4930.0	4971.9	5003.5	4991.3
32.5°	4793.2	4783.1	4831.1	4868.8	4861.6
35°	4648.3	4620.8	4673.8	4731.0	4717.7
37.5°	4476.8	4460.5	4520.7	4581.0	4573.9
40°	4309.4	4281.9	4350.3	4421.7	4414.6
42.5°	4129.8	4097.1	4171.6	4257.4	4249.2
45°	3920.5	3913.4	3979.7	4073.6	4066.5
47.5°	3734.8	3699.1	3791.9	3882.8	3891.0
50°	3510.2	3497.0	3581.7	3691.9	3700.0
52.5°	3290.8	3281.6	3370.3	3481.6	3495.9
55°	3072.3	3048.8	3151.9	3257.1	3265.3
57.5°	2838.7	2814.1	2919.3	3033.6	3050.9
60°	2588.5	2565.0	2680.3	2786.6	2216.0
62.5°	2338.4	2322.1	2442.6	1730.1	1394.4
65°	2070.0	2070.0	2190.4	1256.5	1260.6
67.5°	1819.0	1802.6	1633.2	1128.8	1128.8
70°	1549.4	1555.6	941.0	989.1	990.1
72.5°	1279.0	1301.4	812.5	851.2	853.3
75°	1022.7	1042.2	676.7	712.5	715.5
77.5°	751.3	577.7	544.0	571.7	572.6
80°	527.7	364.4	416.5	443.0	439.9
82.5°	308.2	255.1	305.2	324.6	323.5
85°	133.7	169.4	211.3	228.7	216.3
87.5°	42.8	105.1	131.6	141.9	140.8
90°	0.0	57.2	93.9	111.2	109.3
92.5°	0.0	44.8	81.7	102.1	103.1
95°	3.0	29.6	67.4	90.9	90.9
97.5°	2.1	21.4	48.0	71.4	73.5
100°	2.1	17.3	31.7	51.0	52.1
102.5°	5.1	14.3	19.3	32.6	33.7
105°	5.1	11.2	16.3	16.3	15.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	6.2	8.2	11.2	8.2	1.0
115°	5.1	7.1	10.2	7.1	1.0
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°	5.1	10.2	14.3	9.2	3.0
110°	6.2	9.2	12.2	8.2	1.0



(END OF REPORT)