

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: P830003

Luminaire Tested: **OHBL-18SE-NL-UNV-L930-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830003  
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-18SE-NL-UNV-L930-CD  
Description: 18000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

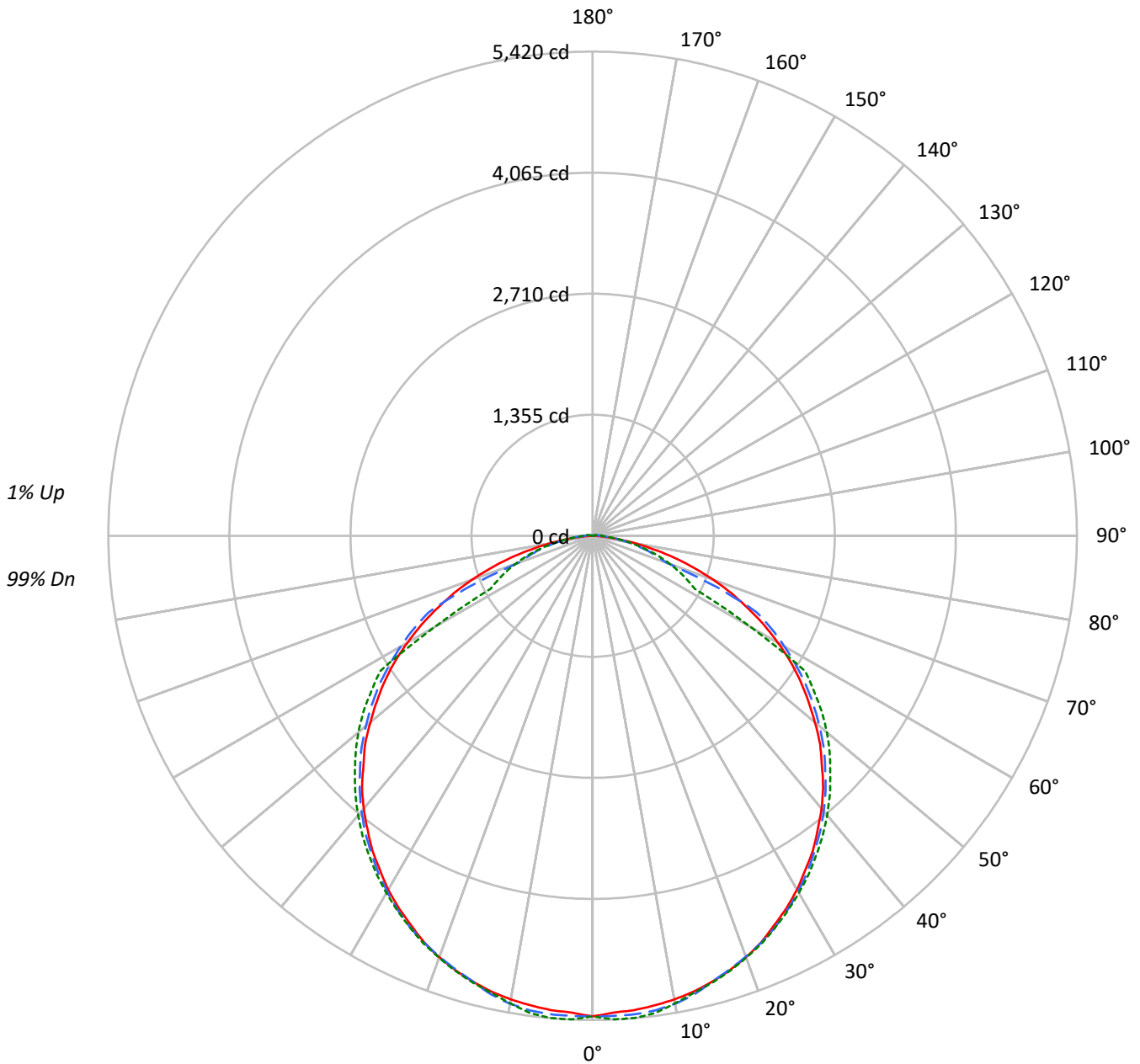
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15105.0 lumens  
Efficiency: N/A  
Efficacy: 143.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 105  
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°	9189	9189	9189
5°	9138	9221	9290
10°	9141	9228	9216
15°	9139	9138	9158
20°	9127	9113	9135
25°	9064	9111	9118
30°	9022	9069	9104
35°	8964	9013	9098
40°	8887	8971	9103
45°	8758	8891	9085
50°	8626	8802	9093
55°	8461	8681	8993
60°	8178	8468	7001
65°	7737	8187	4712
70°	7156	4346	4573
75°	6242	4130	4367
80°	4800	3789	4002
85°	2422	3829	3921



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	511.1	3.4
10°-20°	1463.5	9.7
20°-30°	2226.8	14.7
30°-40°	2707.5	17.9
40°-50°	2846.8	18.8
50°-60°	2599.5	17.2
60°-70°	1666.4	11.0
70°-80°	787.2	5.2
80°-90°	218.3	1.4
90°-100°	57.8	0.4
100°-110°	15.8	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°	4201.4	27.8
0°-40°	6908.9	45.7
0°-60°	12355.2	81.8
0°-90°	15027.0	99.5
90°-120°	78.0	0.5
90°-150°	78.0	0.5
90°-180°	78.0	0.5
0°-180°	15105.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5380	5380	5380	5380	5380	
5°	5330	5351	5378	5407	5419	507
15°	5168	5207	5168	5175	5179	1459
25°	4810	4817	4834	4842	4838	2219
35°	4299	4274	4323	4376	4363	2687
45°	3626	3619	3681	3768	3761	2803
55°	2842	2820	2915	3012	3020	2534
65°	1914	1914	2026	1162	1166	1898
75°	946	964	626	659	662	997
85°	124	157	195	212	200	183
90°	0	53	87	103	101	5
95°	3	27	62	84	84	2
105°	5	10	15	15	14	5
115°	5	7	9	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5380.0	5380.0	5380.0	5380.0	5380.0
2.5°	5342.2	5360.2	5380.0	5405.5	5419.6
5°	5329.9	5350.7	5378.1	5407.4	5418.7
7.5°	5303.6	5332.7	5359.2	5380.0	5386.6
10°	5270.5	5305.5	5320.5	5318.6	5313.9
12.5°	5226.1	5263.0	5258.3	5236.5	5240.3
15°	5168.5	5207.2	5167.6	5175.1	5178.9
17.5°	5100.6	5138.3	5092.1	5107.2	5108.2
20°	5021.3	5049.6	5013.7	5026.0	5026.0
22.5°	4926.0	4945.7	4930.7	4939.1	4941.0
25°	4809.8	4817.3	4834.3	4841.9	4838.1
27.5°	4698.5	4689.0	4722.1	4740.0	4730.5
30°	4574.7	4559.7	4598.3	4627.6	4616.3
32.5°	4433.1	4423.7	4468.1	4503.0	4496.4
35°	4299.1	4273.6	4322.7	4375.6	4363.3
37.5°	4140.5	4125.4	4181.1	4236.8	4230.2
40°	3985.7	3960.2	4023.4	4089.5	4082.9
42.5°	3819.5	3789.3	3858.2	3937.6	3930.0
45°	3626.0	3619.4	3680.7	3767.6	3761.0
47.5°	3454.2	3421.2	3507.0	3591.1	3598.7
50°	3246.5	3234.3	3312.6	3414.6	3422.1
52.5°	3043.6	3035.1	3117.1	3220.1	3233.3
55°	2841.5	2819.8	2915.1	3012.4	3020.0
57.5°	2625.4	2602.7	2700.0	2805.7	2821.7
60°	2394.0	2372.3	2479.0	2577.2	2049.5
62.5°	2162.7	2147.6	2259.1	1600.1	1289.6
65°	1914.5	1914.5	2025.8	1162.1	1165.9
67.5°	1682.3	1667.2	1510.5	1044.0	1044.0
70°	1433.0	1438.7	870.3	914.8	915.7
72.5°	1182.9	1203.7	751.5	787.3	789.2
75°	945.9	963.9	625.9	658.9	661.7
77.5°	694.8	534.3	503.1	528.7	529.6
80°	488.0	337.0	385.2	409.7	406.9
82.5°	285.0	236.0	282.2	300.2	299.2
85°	123.6	156.7	195.4	211.5	200.1
87.5°	39.6	97.2	121.7	131.2	130.2
90°	0.0	52.9	86.9	102.8	101.0
92.5°	0.0	41.5	75.6	94.4	95.3
95°	2.8	27.4	62.4	84.1	84.1
97.5°	1.9	19.8	44.4	66.1	68.0
100°	1.9	16.0	29.3	47.2	48.2
102.5°	4.7	13.2	17.9	30.2	31.2
105°	4.7	10.4	15.1	15.1	14.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.7	7.6	10.4	7.6	0.9
115°	4.7	6.6	9.4	6.6	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°	4.7	9.4	13.2	8.5	2.8
110°	5.7	8.5	11.3	7.6	0.9



(END OF REPORT)