

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: P829932

Luminaire Tested: **OHBL-18HE-NL-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829932  
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-18HE-NL-UNV-L935-CD  
Description: 18000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

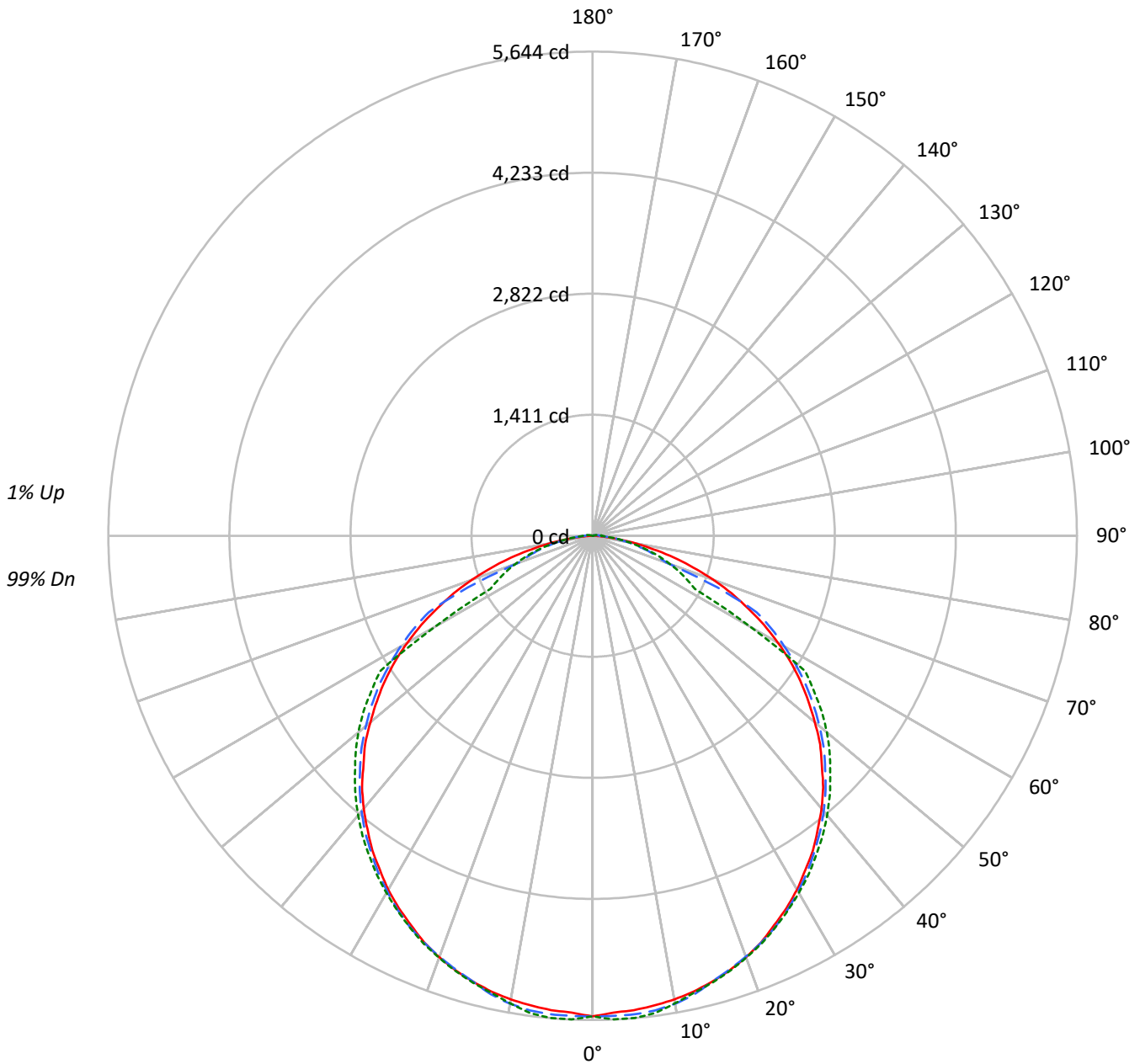
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15729.0 lumens  
Efficiency: N/A  
Efficacy: 152.7 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): 103  
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°	9569	9569	9569
5°	9516	9602	9674
10°	9518	9609	9597
15°	9517	9515	9536
20°	9504	9489	9513
25°	9439	9487	9494
30°	9395	9444	9480
35°	9334	9386	9474
40°	9254	9341	9479
45°	9120	9258	9460
50°	8983	9166	9469
55°	8811	9039	9364
60°	8516	8818	7290
65°	8057	8525	4906
70°	7452	4526	4762
75°	6500	4301	4547
80°	4999	3945	4167
85°	2522	3988	4084



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	532.2	3.4
10°-20°	1523.9	9.7
20°-30°	2318.8	14.7
30°-40°	2819.3	17.9
40°-50°	2964.4	18.8
50°-60°	2706.9	17.2
60°-70°	1735.2	11.0
70°-80°	819.7	5.2
80°-90°	227.3	1.4
90°-100°	60.2	0.4
100°-110°	16.5	0.1
110°-120°	4.6	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°	4375.0	27.8
0°-40°	7194.3	45.7
0°-60°	12865.6	81.8
0°-90°	15647.8	99.5
90°-120°	81.2	0.5
90°-150°	81.2	0.5
90°-180°	81.0	0.5
0°-180°	15729.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5602	5602	5602	5602	5602	
5°	5550	5572	5600	5631	5642	528
15°	5382	5422	5381	5389	5393	1519
25°	5008	5016	5034	5042	5038	2311
35°	4477	4450	4501	4556	4544	2798
45°	3776	3769	3833	3923	3916	2918
55°	2959	2936	3036	3137	3145	2639
65°	1994	1994	2110	1210	1214	1976
75°	985	1004	652	686	689	1038
85°	129	163	204	220	208	190
90°	0	55	90	107	105	6
95°	3	28	65	88	88	2
105°	5	11	16	16	15	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5602.3	5602.3	5602.3	5602.3	5602.3
2.5°	5562.9	5581.7	5602.3	5628.8	5643.5
5°	5550.1	5571.8	5600.3	5630.8	5642.5
7.5°	5522.6	5553.0	5580.6	5602.3	5609.1
10°	5488.2	5524.6	5540.3	5538.4	5533.5
12.5°	5442.0	5480.4	5475.5	5452.8	5456.8
15°	5382.0	5422.3	5381.1	5388.9	5392.9
17.5°	5311.3	5350.6	5302.4	5318.1	5319.2
20°	5228.7	5258.2	5220.8	5233.6	5233.6
22.5°	5129.5	5150.1	5134.3	5143.2	5145.2
25°	5008.5	5016.3	5034.0	5041.9	5038.0
27.5°	4892.6	4882.7	4917.1	4935.8	4925.9
30°	4763.7	4748.0	4788.3	4818.8	4807.0
32.5°	4616.3	4606.5	4652.7	4689.0	4682.1
35°	4476.7	4450.2	4501.3	4556.3	4543.5
37.5°	4311.5	4295.8	4353.8	4411.9	4405.0
40°	4150.3	4123.8	4189.7	4258.4	4251.6
42.5°	3977.3	3945.8	4017.6	4100.3	4092.3
45°	3775.7	3768.9	3832.8	3923.2	3916.4
47.5°	3596.9	3562.5	3651.9	3739.4	3747.3
50°	3380.6	3367.9	3449.5	3555.6	3563.4
52.5°	3169.3	3160.5	3245.9	3353.1	3366.8
55°	2958.9	2936.3	3035.6	3136.8	3144.7
57.5°	2733.8	2710.2	2811.5	2921.6	2938.3
60°	2492.9	2470.3	2581.4	2683.7	2134.2
62.5°	2252.1	2236.4	2352.4	1666.2	1342.9
65°	1993.6	1993.6	2109.5	1210.1	1214.0
67.5°	1751.8	1736.1	1572.9	1087.2	1087.2
70°	1492.2	1498.2	906.3	952.6	953.5
72.5°	1231.7	1253.4	782.5	819.8	821.8
75°	985.0	1003.7	651.7	686.2	689.1
77.5°	723.5	556.4	523.9	550.6	551.5
80°	508.2	350.9	401.1	426.6	423.7
82.5°	296.8	245.7	293.9	312.6	311.6
85°	128.7	163.2	203.5	220.2	208.4
87.5°	41.2	101.3	126.8	136.7	135.6
90°	0.0	55.1	90.4	107.1	105.2
92.5°	0.0	43.2	78.7	98.4	99.3
95°	2.9	28.5	64.9	87.5	87.5
97.5°	2.0	20.6	46.2	68.8	70.8
100°	2.0	16.7	30.5	49.1	50.2
102.5°	4.9	13.7	18.6	31.4	32.5
105°	4.9	10.8	15.7	15.7	14.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.9	7.9	10.8	7.9	0.9
115°	4.9	6.9	9.8	6.9	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°	4.9	9.8	13.7	8.8	2.9
110°	5.9	8.8	11.8	7.9	0.9



(END OF REPORT)