

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: P830900

Luminaire Tested: **OHBL-9HE-MCL-UNV-L835-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830900  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-9HE-MCL-UNV-L835-CD  
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

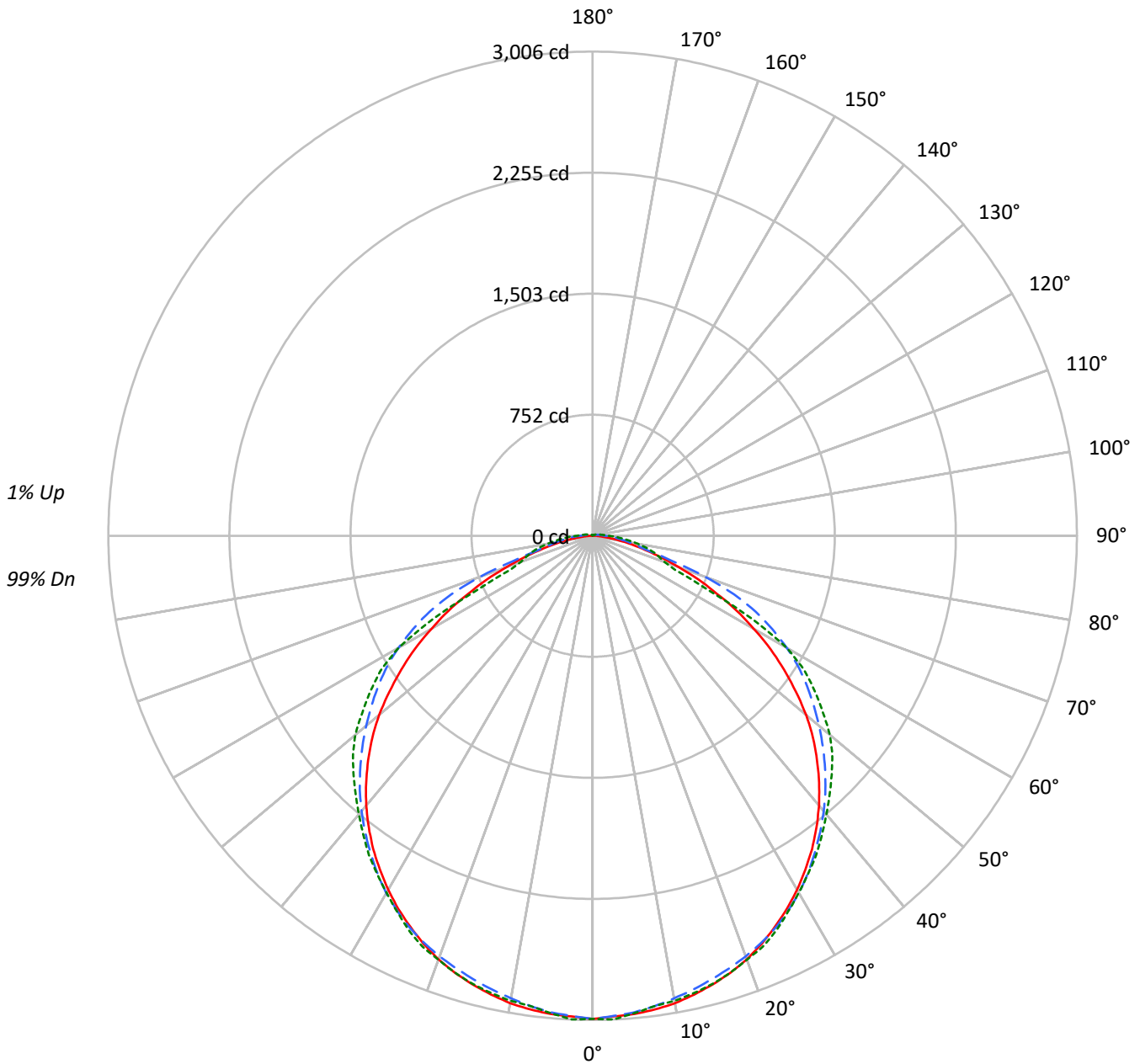
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8478.0 lumens  
Efficiency: N/A  
Efficacy: 163.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 52  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

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

	0°	45°	90°
0°	5123	5123	5123
5°	5090	5046	5056
10°	5071	4968	4997
15°	5039	4908	4960
20°	5007	4870	4913
25°	4946	4831	4866
30°	4880	4772	4770
35°	4802	4679	4716
40°	4700	4582	4643
45°	4558	4471	4608
50°	4366	4345	4566
55°	4062	4220	4389
60°	3663	4039	4051
65°	3142	3705	2562
70°	2531	2887	1852
75°	1897	1709	1872
80°	1320	1414	1775
85°	752	1284	1642



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.8	3.3
10°-20°	811.0	9.6
20°-30°	1238.7	14.6
30°-40°	1502.9	17.7
40°-50°	1575.2	18.6
50°-60°	1427.4	16.8
60°-70°	957.0	11.3
70°-80°	429.7	5.1
80°-90°	155.9	1.8
90°-100°	46.9	0.6
100°-110°	22.1	0.3
110°-120°	11.1	0.1
120°-130°	6.1	0.1
130°-140°	4.2	0.0
140°-150°	2.8	0.0
150°-160°	2.1	0.0
160°-170°	1.4	0.0
170°-180°	0.4	0.0
0°-30°	2332.5	27.5
0°-40°	3835.5	45.2
0°-60°	6838.1	80.7
0°-90°	8380.8	98.9
90°-120°	80.2	0.9
90°-150°	93.3	1.1
90°-180°	97.0	1.1
0°-180°	8478.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3000	3000	3000	3000	3000	
5°	2980	2990	2970	2979	2975	283
15°	2883	2872	2852	2877	2880	814
25°	2679	2667	2686	2710	2702	1235
35°	2374	2380	2404	2430	2420	1484
45°	1970	2002	2040	2092	2098	1518
55°	1450	1520	1623	1688	1684	1294
65°	851	984	1117	943	770	848
75°	335	486	357	366	390	366
85°	58	111	142	171	180	70
90°	0	37	73	92	96	3
95°	0	23	50	61	63	1
105°	2	10	25	30	31	2
115°	4	5	13	16	17	3
125°	3	4	8	9	10	3
135°	4	4	5	7	7	3
145°	4	4	4	5	5	3
155°	4	5	5	5	4	2
165°	5	5	5	5	5	1
175°	5	5	4	4	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2999.5	2999.5	2999.5	2999.5	2999.5
2.5°	2987.4	3000.0	2984.3	3001.3	3005.6
5°	2980.0	2990.4	2969.6	2978.7	2974.8
7.5°	2966.6	2970.0	2945.3	2952.7	2944.9
10°	2946.6	2944.9	2915.8	2930.1	2931.9
12.5°	2917.1	2911.9	2885.9	2907.6	2908.0
15°	2883.3	2872.0	2851.6	2876.8	2880.3
17.5°	2844.3	2829.5	2816.1	2848.6	2843.4
20°	2798.7	2781.4	2778.8	2814.3	2801.3
22.5°	2742.3	2728.9	2735.0	2768.8	2760.6
25°	2678.6	2666.9	2685.5	2710.2	2702.4
27.5°	2611.4	2604.4	2625.7	2644.8	2629.6
30°	2537.6	2533.7	2561.9	2577.5	2558.4
32.5°	2457.4	2458.7	2485.6	2506.8	2489.0
35°	2374.1	2379.8	2404.0	2429.6	2420.1
37.5°	2282.6	2295.2	2319.5	2348.5	2338.6
40°	2185.9	2204.1	2231.0	2266.1	2257.0
42.5°	2081.4	2104.4	2139.0	2178.1	2177.2
45°	1970.3	2002.4	2039.7	2091.8	2098.3
47.5°	1855.0	1891.0	1938.2	2007.6	2017.6
50°	1729.6	1774.7	1833.7	1917.0	1923.1
52.5°	1590.0	1651.6	1729.6	1809.4	1802.1
55°	1449.9	1519.7	1623.4	1688.4	1684.5
57.5°	1310.2	1388.7	1514.5	1560.9	1560.5
60°	1154.1	1253.4	1390.9	1426.0	1391.3
62.5°	1009.7	1116.4	1259.1	1233.5	1114.6
65°	850.9	984.1	1117.2	942.9	769.8
67.5°	710.0	848.8	949.0	645.8	553.0
70°	568.2	721.3	739.9	479.2	472.7
72.5°	442.4	605.5	510.5	410.3	431.1
75°	334.8	485.8	357.4	365.6	389.5
77.5°	244.2	373.0	278.0	320.5	340.0
80°	167.8	264.1	226.8	269.3	282.8
82.5°	105.4	174.4	181.7	216.9	230.7
85°	57.7	110.6	141.8	171.3	179.6
87.5°	23.9	66.8	108.4	132.3	139.2
90°	0.4	36.9	73.3	91.9	96.3
92.5°	0.4	28.2	59.9	74.2	77.2
95°	0.4	23.0	50.3	61.2	62.9
97.5°	0.9	18.2	42.1	50.7	52.5
100°	1.3	15.2	35.1	42.5	43.8
102.5°	1.7	12.1	29.5	35.6	36.9
105°	1.7	10.0	24.7	29.9	31.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	6.1	14.7	18.6	19.5
115°	3.5	5.2	12.6	16.0	16.9
117.5°	3.5	4.3	10.8	13.4	14.3
120°	3.5	3.9	9.5	11.7	12.1
122.5°	3.5	3.5	8.2	10.4	10.8
125°	3.0	3.5	7.8	9.1	9.5
127.5°	3.5	3.5	6.9	8.2	8.7
130°	3.5	3.9	6.1	7.8	7.8
132.5°	3.9	4.3	5.6	7.4	7.4
135°	3.9	4.3	4.8	6.9	7.4
137.5°	4.3	4.3	4.3	6.5	6.9
140°	4.3	4.3	3.9	5.6	6.1
142.5°	3.9	4.3	3.9	5.2	5.6
145°	3.9	4.3	4.3	4.8	5.2
147.5°	4.3	4.3	4.3	4.3	4.8
150°	4.3	4.3	4.3	4.3	4.3
152.5°	4.3	4.3	4.3	4.3	4.3
155°	4.3	4.8	4.8	4.8	4.3
157.5°	4.3	4.8	4.8	4.8	4.8
160°	4.3	4.8	4.8	4.8	4.8
162.5°	4.8	4.8	4.8	4.8	4.8
165°	4.8	4.8	4.8	4.8	4.8
167.5°	4.8	5.2	4.8	4.8	4.8
170°	4.8	4.8	4.8	4.3	4.3
172.5°	4.8	4.8	4.8	4.3	4.3
175°	4.8	4.8	4.3	3.9	3.9
177.5°	5.2	4.8	4.3	3.9	3.5
180°	4.3	4.3	4.3	4.3	4.3



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	2.2	8.2	21.3	25.6	26.5
110°	2.6	6.9	17.8	21.7	22.6



(END OF REPORT)