

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: P829528

Luminaire Tested: **OHB-9HE-MCL-UNV-L735-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829528  
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: OHB-9HE-MCL-UNV-L735-CD  
Description: 9000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

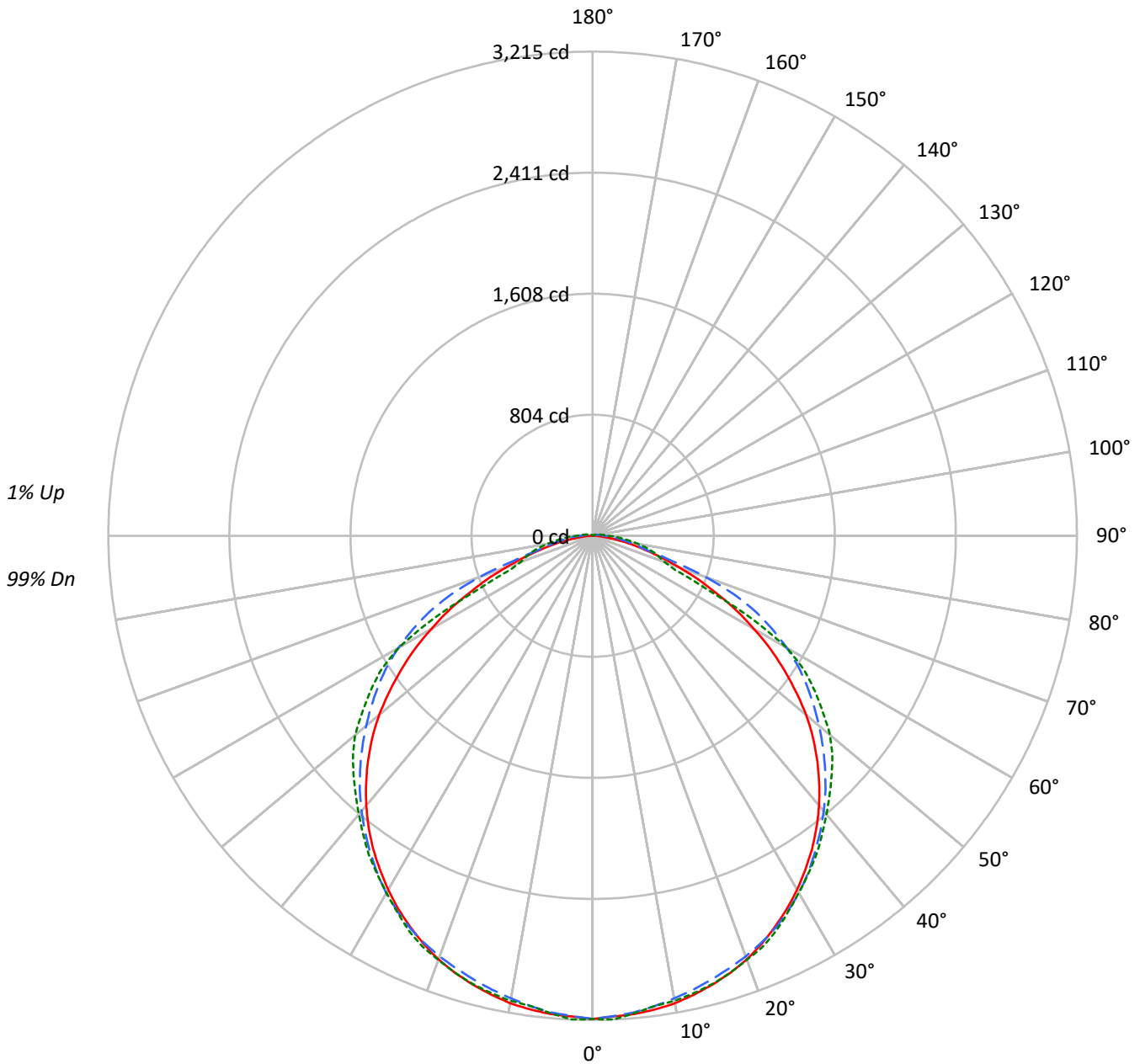
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9068.0 lumens  
Efficiency: N/A  
Efficacy: 174.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' 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°	10717	10717	10717
5°	10608	10530	10577
10°	10531	10339	10453
15°	10424	10189	10376
20°	10318	10082	10277
25°	10152	9975	10179
30°	9973	9823	9979
35°	9766	9601	9865
40°	9508	9371	9712
45°	9166	9107	9638
50°	8718	8810	9551
55°	8042	8511	9182
60°	7175	8093	8475
65°	6072	7366	5359
70°	4799	5676	3874
75°	3497	3307	3915
80°	2319	2672	3713
85°	1191	2321	3435



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.5	3.3
10°-20°	867.5	9.6
20°-30°	1324.9	14.6
30°-40°	1607.5	17.7
40°-50°	1684.8	18.6
50°-60°	1526.7	16.8
60°-70°	1023.6	11.3
70°-80°	459.6	5.1
80°-90°	166.8	1.8
90°-100°	50.2	0.6
100°-110°	23.7	0.3
110°-120°	11.9	0.1
120°-130°	6.5	0.1
130°-140°	4.5	0.0
140°-150°	3.0	0.0
150°-160°	2.2	0.0
160°-170°	1.4	0.0
170°-180°	0.5	0.0
0°-30°	2494.8	27.5
0°-40°	4102.4	45.2
0°-60°	7313.9	80.7
0°-90°	8964.0	98.9
90°-120°	85.8	0.9
90°-150°	99.8	1.1
90°-180°	104.0	1.1
0°-180°	9068.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3208	3208	3208	3208	3208	
5°	3187	3198	3176	3186	3182	303
15°	3084	3072	3050	3077	3081	871
25°	2865	2852	2872	2899	2890	1321
35°	2539	2545	2571	2599	2588	1587
45°	2108	2142	2182	2237	2244	1623
55°	1551	1626	1736	1806	1802	1384
65°	910	1053	1195	1008	823	907
75°	358	520	382	391	417	391
85°	62	118	152	183	192	75
90°	0	39	78	98	103	4
95°	0	25	54	65	67	1
105°	2	11	26	32	33	2
115°	4	6	14	17	18	3
125°	3	4	8	10	10	3
135°	4	5	5	7	8	3
145°	4	5	5	5	6	3
155°	5	5	5	5	5	2
165°	5	5	5	5	5	1
175°	5	5	5	4	4	0
180°	5	5	5	5	5	



TEST NUMBER: P829528

CATALOG NUMBER: OHB-9HE-MCL-UNV-L735-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3208.3	3208.3	3208.3	3208.3	3208.3
2.5°	3195.3	3208.7	3192.0	3210.1	3214.8
5°	3187.4	3198.5	3176.3	3186.0	3181.8
7.5°	3173.0	3176.7	3150.3	3158.2	3149.8
10°	3151.7	3149.8	3118.7	3134.0	3135.9
12.5°	3120.1	3114.6	3086.7	3109.9	3110.4
15°	3083.9	3071.9	3050.1	3077.0	3080.7
17.5°	3042.2	3026.4	3012.0	3046.8	3041.3
20°	2993.5	2974.9	2972.1	3010.2	2996.3
22.5°	2933.2	2918.8	2925.3	2961.5	2952.7
25°	2865.0	2852.5	2872.4	2898.9	2890.5
27.5°	2793.1	2785.7	2808.4	2828.8	2812.6
30°	2714.2	2710.0	2740.2	2756.9	2736.5
32.5°	2628.4	2629.8	2658.6	2681.3	2662.3
35°	2539.3	2545.4	2571.3	2598.7	2588.5
37.5°	2441.5	2454.9	2480.9	2512.0	2501.3
40°	2338.0	2357.5	2386.3	2423.8	2414.1
42.5°	2226.2	2250.8	2287.9	2329.7	2328.7
45°	2107.5	2141.8	2181.7	2237.3	2244.3
47.5°	1984.1	2022.6	2073.1	2147.3	2158.0
50°	1850.0	1898.2	1961.3	2050.4	2056.9
52.5°	1700.6	1766.5	1850.0	1935.4	1927.5
55°	1550.8	1625.5	1736.3	1805.9	1801.8
57.5°	1401.4	1485.4	1619.9	1669.5	1669.1
60°	1234.4	1340.6	1487.7	1525.3	1488.2
62.5°	1079.9	1194.1	1346.7	1319.3	1192.2
65°	910.2	1052.6	1195.0	1008.5	823.4
67.5°	759.4	907.8	1015.0	690.7	591.5
70°	607.7	771.4	791.4	512.6	505.6
72.5°	473.2	647.6	546.0	438.8	461.1
75°	358.1	519.6	382.2	391.1	416.6
77.5°	261.2	398.9	297.4	342.8	363.7
80°	179.5	282.5	242.6	288.1	302.5
82.5°	112.7	186.5	194.4	231.9	246.8
85°	61.7	118.3	151.7	183.2	192.1
87.5°	25.5	71.4	116.0	141.5	148.9
90°	0.5	39.4	78.4	98.3	103.0
92.5°	0.5	30.2	64.0	79.3	82.6
95°	0.5	24.6	53.8	65.4	67.3
97.5°	0.9	19.5	45.0	54.3	56.1
100°	1.4	16.2	37.6	45.5	46.9
102.5°	1.9	13.0	31.5	38.0	39.4
105°	1.9	10.7	26.4	32.0	33.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	6.5	15.8	19.9	20.9
115°	3.7	5.6	13.5	17.2	18.1
117.5°	3.7	4.6	11.6	14.4	15.3
120°	3.7	4.2	10.2	12.5	13.0
122.5°	3.7	3.7	8.8	11.1	11.6
125°	3.2	3.7	8.4	9.7	10.2
127.5°	3.7	3.7	7.4	8.8	9.3
130°	3.7	4.2	6.5	8.4	8.4
132.5°	4.2	4.6	6.0	7.9	7.9
135°	4.2	4.6	5.1	7.4	7.9
137.5°	4.6	4.6	4.6	7.0	7.4
140°	4.6	4.6	4.2	6.0	6.5
142.5°	4.2	4.6	4.2	5.6	6.0
145°	4.2	4.6	4.6	5.1	5.6
147.5°	4.6	4.6	4.6	4.6	5.1
150°	4.6	4.6	4.6	4.6	4.6
152.5°	4.6	4.6	4.6	4.6	4.6
155°	4.6	5.1	5.1	5.1	4.6
157.5°	4.6	5.1	5.1	5.1	5.1
160°	4.6	5.1	5.1	5.1	5.1
162.5°	5.1	5.1	5.1	5.1	5.1
165°	5.1	5.1	5.1	5.1	5.1
167.5°	5.1	5.6	5.1	5.1	5.1
170°	5.1	5.1	5.1	4.6	4.6
172.5°	5.1	5.1	5.1	4.6	4.6
175°	5.1	5.1	4.6	4.2	4.2
177.5°	5.6	5.1	4.6	4.2	3.7
180°	4.6	4.6	4.6	4.6	4.6



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	2.3	8.8	22.7	27.4	28.3
110°	2.8	7.4	19.0	23.2	24.1



(END OF REPORT)