

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: P829566

Luminaire Tested: **OHB-9HE-NL-UNV-L750-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829566  
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: OHB-9HE-NL-UNV-L750-CD  
Description: 9000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

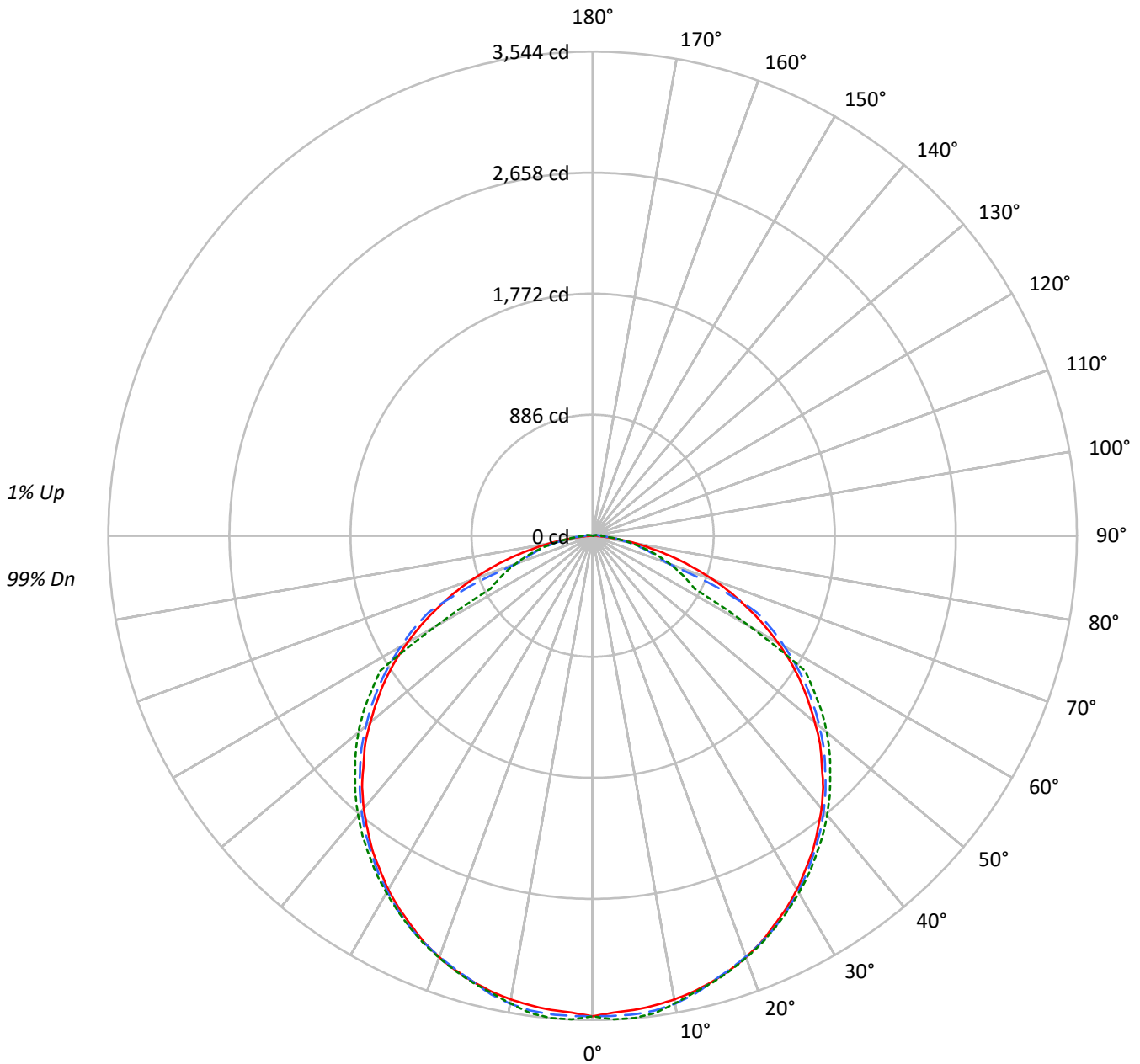
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9876.0 lumens  
Efficiency: N/A  
Efficacy: 189.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.67' x L: 1.93' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 52  
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

TEST NUMBER: P829566

CATALOG NUMBER: OHB-9HE-NL-UNV-L750-CD

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20	
RC	80				70				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				99
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84				84
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71				71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60				60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

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

	0°	45°	90°
0°	11751	11751	11751
5°	11686	11791	11880
10°	11689	11800	11785
15°	11687	11685	11710
20°	11671	11653	11682
25°	11591	11650	11659
30°	11538	11597	11642
35°	11462	11526	11634
40°	11364	11471	11641
45°	11200	11369	11617
50°	11031	11256	11628
55°	10820	11101	11500
60°	10458	10829	8953
65°	9894	10469	6025
70°	9151	5557	5848
75°	7982	5281	5585
80°	6139	4844	5117
85°	3097	4898	5013



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.2	3.4
10°-20°	956.9	9.7
20°-30°	1455.9	14.7
30°-40°	1770.2	17.9
40°-50°	1861.3	18.8
50°-60°	1699.6	17.2
60°-70°	1089.5	11.0
70°-80°	514.7	5.2
80°-90°	142.7	1.4
90°-100°	37.8	0.4
100°-110°	10.4	0.1
110°-120°	2.9	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°	2747.0	27.8
0°-40°	4517.2	45.7
0°-60°	8078.1	81.8
0°-90°	9825.0	99.5
90°-120°	51.0	0.5
90°-150°	51.0	0.5
90°-180°	51.0	0.5
0°-180°	9876.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3518	3518	3518	3518	3518	
5°	3485	3498	3516	3536	3543	331
15°	3379	3405	3379	3384	3386	954
25°	3145	3150	3161	3166	3163	1451
35°	2811	2794	2826	2861	2853	1757
45°	2371	2366	2406	2463	2459	1832
55°	1858	1844	1906	1970	1974	1657
65°	1252	1252	1324	760	762	1241
75°	618	630	409	431	433	652
85°	81	102	128	138	131	119
90°	0	35	57	67	66	4
95°	2	18	41	55	55	1
105°	3	7	10	10	9	3
115°	3	4	6	4	1	2
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



TEST NUMBER: P829566

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3517.6	3517.6	3517.6	3517.6	3517.6
2.5°	3492.9	3504.6	3517.6	3534.2	3543.5
5°	3484.8	3498.4	3516.3	3535.5	3542.9
7.5°	3467.6	3486.7	3504.0	3517.6	3521.9
10°	3446.0	3468.8	3478.7	3477.5	3474.4
12.5°	3416.9	3441.1	3438.0	3423.7	3426.2
15°	3379.3	3404.6	3378.7	3383.6	3386.1
17.5°	3334.9	3359.6	3329.3	3339.2	3339.8
20°	3283.0	3301.5	3278.1	3286.1	3286.1
22.5°	3220.7	3233.6	3223.8	3229.3	3230.6
25°	3144.8	3149.7	3160.8	3165.7	3163.3
27.5°	3072.0	3065.8	3087.4	3099.1	3092.9
30°	2991.1	2981.2	3006.5	3025.6	3018.3
32.5°	2898.5	2892.3	2921.3	2944.2	2939.8
35°	2810.8	2794.2	2826.3	2860.8	2852.8
37.5°	2707.1	2697.3	2733.7	2770.1	2765.8
40°	2605.9	2589.3	2630.6	2673.8	2669.5
42.5°	2497.3	2477.5	2522.6	2574.5	2569.5
45°	2370.7	2366.4	2406.5	2463.3	2459.0
47.5°	2258.5	2236.8	2293.0	2347.9	2352.9
50°	2122.6	2114.6	2165.9	2232.5	2237.4
52.5°	1990.0	1984.4	2038.0	2105.4	2114.0
55°	1857.8	1843.6	1906.0	1969.6	1974.5
57.5°	1716.5	1701.7	1765.3	1834.4	1844.9
60°	1565.3	1551.1	1620.8	1685.0	1340.0
62.5°	1414.0	1404.2	1477.0	1046.2	843.2
65°	1251.7	1251.7	1324.5	759.8	762.3
67.5°	1099.9	1090.1	987.6	682.6	682.6
70°	936.9	940.7	569.0	598.1	598.7
72.5°	773.4	787.0	491.3	514.7	516.0
75°	618.4	630.2	409.2	430.8	432.7
77.5°	454.3	349.3	329.0	345.7	346.3
80°	319.1	220.4	251.8	267.9	266.0
82.5°	186.4	154.3	184.5	196.3	195.6
85°	80.8	102.5	127.8	138.3	130.8
87.5°	25.9	63.6	79.6	85.8	85.1
90°	0.0	34.6	56.8	67.2	66.1
92.5°	0.0	27.1	49.4	61.8	62.3
95°	1.8	17.9	40.8	55.0	55.0
97.5°	1.2	12.9	29.0	43.2	44.4
100°	1.2	10.5	19.1	30.8	31.5
102.5°	3.1	8.6	11.7	19.7	20.4
105°	3.1	6.8	9.9	9.9	9.3



TEST NUMBER: P829566

CATALOG NUMBER: OHB-9HE-NL-UNV-L750-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.7	5.0	6.8	5.0	0.6
115°	3.1	4.3	6.1	4.3	0.6
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°	3.1	6.1	8.6	5.6	1.8
110°	3.7	5.6	7.4	5.0	0.6



(END OF REPORT)