

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: P828782

Luminaire Tested: **OHB-12HE-NL-UNV-L950-CD**

Issue Date: 5/3/2024



**Test Information**

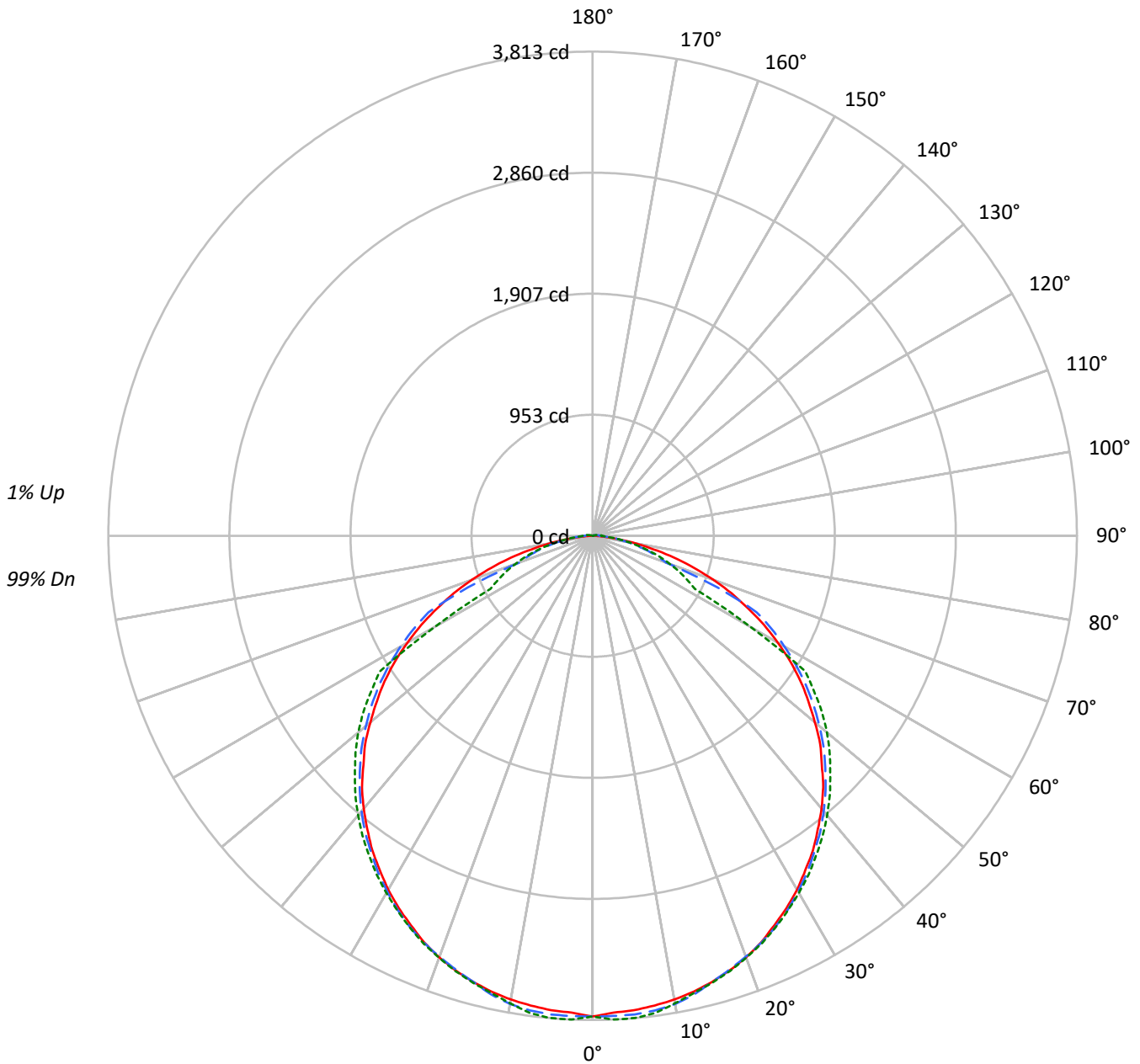
Test Method: LM-79-08  
Report Number: P828782  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-12HE-NL-UNV-L950-CD  
Description: 12000 LUMEN OHB HE LED LUMINAIRE WITH 90CRI, 5000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10628.0 lumens  
Efficiency: N/A  
Efficacy: 151.8 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): 70  
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	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°	12645	12645	12645
5°	12575	12689	12785
10°	12579	12698	12683
15°	12577	12575	12602
20°	12559	12541	12571
25°	12474	12537	12547
30°	12416	12480	12529
35°	12336	12403	12520
40°	12229	12345	12528
45°	12053	12235	12502
50°	11871	12113	12513
55°	11644	11946	12375
60°	11254	11653	9634
65°	10647	11267	6484
70°	9848	5981	6293
75°	8589	5684	6009
80°	6606	5213	5508
85°	3335	5270	5397



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.6	3.4
10°-20°	1029.7	9.7
20°-30°	1566.8	14.7
30°-40°	1905.0	17.9
40°-50°	2003.0	18.8
50°-60°	1829.0	17.2
60°-70°	1172.5	11.0
70°-80°	553.9	5.2
80°-90°	153.6	1.4
90°-100°	40.7	0.4
100°-110°	11.1	0.1
110°-120°	3.1	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°	2956.1	27.8
0°-40°	4861.2	45.7
0°-60°	8693.2	81.8
0°-90°	10573.1	99.5
90°-120°	54.9	0.5
90°-150°	54.9	0.5
90°-180°	55.0	0.5
0°-180°	10628.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3785	3785	3785	3785	3785	
5°	3750	3765	3784	3805	3813	357
15°	3637	3664	3636	3641	3644	1027
25°	3384	3390	3402	3407	3404	1562
35°	3025	3007	3042	3079	3070	1890
45°	2551	2547	2590	2651	2646	1972
55°	1999	1984	2051	2120	2125	1783
65°	1347	1347	1425	818	820	1335
75°	666	678	440	464	466	702
85°	87	110	138	149	141	129
90°	0	37	61	72	71	4
95°	2	19	44	59	59	1
105°	3	7	11	11	10	3
115°	3	5	7	5	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3785.4	3785.4	3785.4	3785.4	3785.4
2.5°	3758.8	3771.5	3785.4	3803.4	3813.3
5°	3750.2	3764.8	3784.1	3804.7	3812.6
7.5°	3731.6	3752.2	3770.8	3785.4	3790.1
10°	3708.3	3733.0	3743.6	3742.2	3738.9
12.5°	3677.1	3703.1	3699.8	3684.4	3687.1
15°	3636.6	3663.8	3636.0	3641.3	3643.9
17.5°	3588.8	3615.4	3582.8	3593.4	3594.1
20°	3533.0	3552.9	3527.7	3536.3	3536.3
22.5°	3465.9	3479.9	3469.2	3475.2	3476.6
25°	3384.2	3389.5	3401.5	3406.8	3404.1
27.5°	3305.9	3299.2	3322.5	3335.1	3328.4
30°	3218.8	3208.2	3235.4	3256.0	3248.1
32.5°	3119.2	3112.6	3143.8	3168.3	3163.7
35°	3024.9	3006.9	3041.5	3078.7	3070.0
37.5°	2913.3	2902.7	2941.8	2981.1	2976.4
40°	2804.3	2786.4	2830.9	2877.4	2872.8
42.5°	2687.5	2666.2	2714.7	2770.5	2765.2
45°	2551.3	2546.6	2589.8	2650.9	2646.3
47.5°	2430.4	2407.2	2467.6	2526.7	2532.1
50°	2284.2	2275.7	2330.8	2402.5	2407.8
52.5°	2141.5	2135.5	2193.2	2265.7	2275.0
55°	1999.3	1984.0	2051.1	2119.5	2124.9
57.5°	1847.2	1831.3	1899.7	1974.1	1985.4
60°	1684.4	1669.2	1744.2	1813.4	1442.0
62.5°	1521.7	1511.1	1589.5	1125.9	907.4
65°	1347.0	1347.0	1425.4	817.6	820.3
67.5°	1183.7	1173.1	1062.8	734.6	734.6
70°	1008.3	1012.3	612.4	643.7	644.3
72.5°	832.3	846.9	528.8	553.9	555.3
75°	665.5	678.2	440.4	463.6	465.6
77.5°	488.9	375.9	354.0	372.0	372.6
80°	343.4	237.1	271.0	288.3	286.3
82.5°	200.6	166.0	198.6	211.3	210.5
85°	87.0	110.3	137.5	148.8	140.8
87.5°	27.8	68.4	85.7	92.3	91.6
90°	0.0	37.2	61.1	72.4	71.1
92.5°	0.0	29.2	53.2	66.5	67.1
95°	2.0	19.3	43.9	59.1	59.1
97.5°	1.3	13.9	31.2	46.5	47.8
100°	1.3	11.3	20.6	33.2	33.9
102.5°	3.3	9.3	12.6	21.2	21.9
105°	3.3	7.3	10.6	10.6	10.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.0	5.3	7.3	5.3	0.6
115°	3.3	4.6	6.6	4.6	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°	3.3	6.6	9.3	6.0	2.0
110°	4.0	6.0	7.9	5.3	0.6



(END OF REPORT)