

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: P828726

Luminaire Tested: **OHB-12HE-A-UNV-L750-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828726  
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-12HE-A-UNV-L750-CD  
Description: 12000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

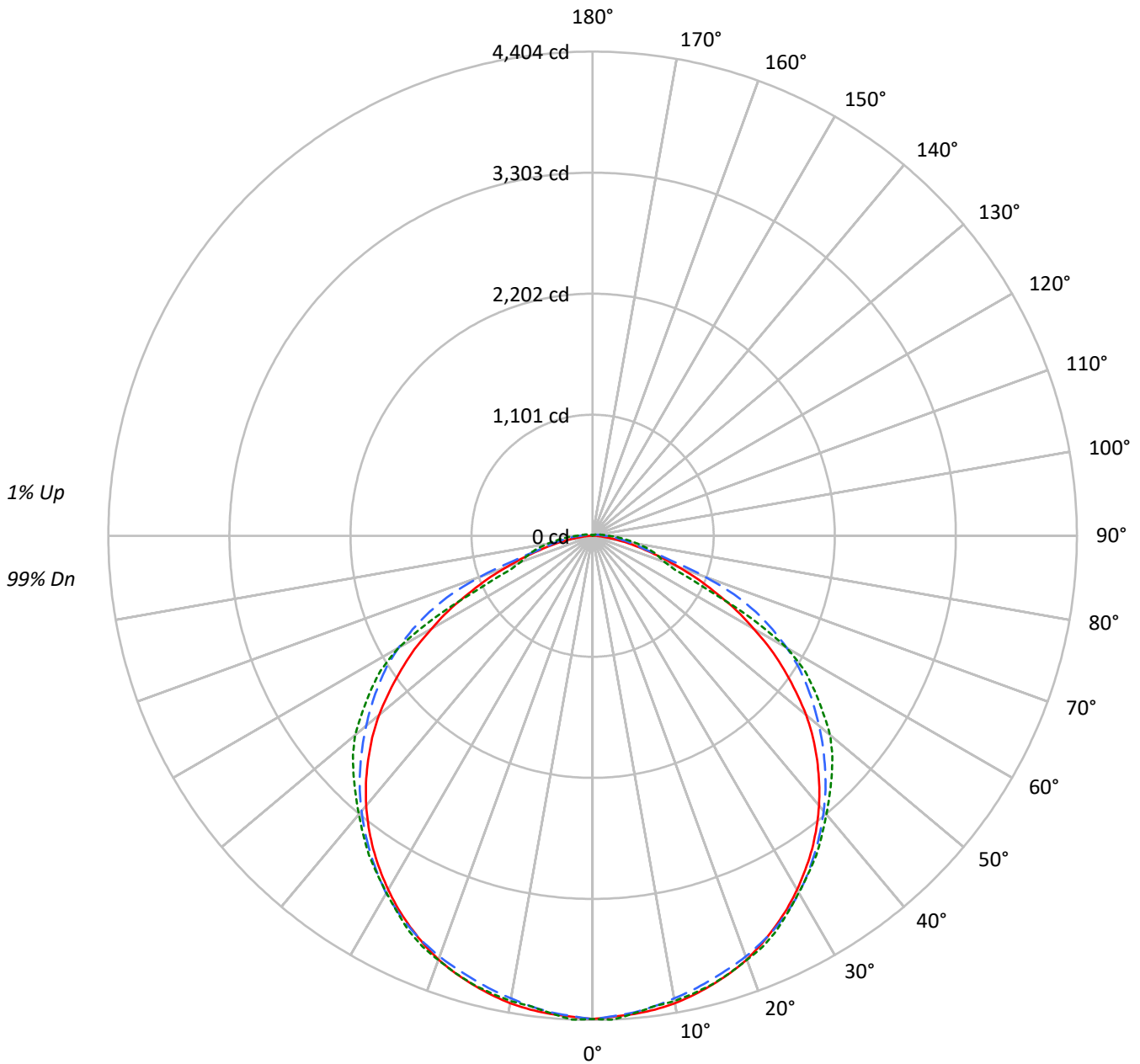
Lumens per Lamp: N/A  
Luminaire Lumens: 12424.1 lumens  
Efficiency: N/A  
Efficacy: 177.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 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	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°	14684	14684	14684
5°	14534	14427	14491
10°	14428	14165	14321
15°	14283	13960	14216
20°	14136	13814	14081
25°	13909	13666	13947
30°	13664	13458	13672
35°	13380	13154	13516
40°	13026	12838	13306
45°	12558	12478	13206
50°	11945	12071	13086
55°	11018	11661	12580
60°	9831	11089	11611
65°	8319	10091	7342
70°	6575	7777	5308
75°	4791	4532	5364
80°	3178	3661	5087
85°	1631	3179	4705



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	414.5	3.3
10°-20°	1188.5	9.6
20°-30°	1815.2	14.6
30°-40°	2202.5	17.7
40°-50°	2308.4	18.6
50°-60°	2091.8	16.8
60°-70°	1402.4	11.3
70°-80°	629.8	5.1
80°-90°	228.5	1.8
90°-100°	68.8	0.6
100°-110°	32.5	0.3
110°-120°	16.3	0.1
120°-130°	9.0	0.1
130°-140°	6.2	0.0
140°-150°	4.2	0.0
150°-160°	3.1	0.0
160°-170°	2.0	0.0
170°-180°	0.6	0.0
0°-30°	3418.2	27.5
0°-40°	5620.6	45.2
0°-60°	10020.8	80.7
0°-90°	12281.5	98.9
90°-120°	117.5	0.9
90°-150°	136.8	1.1
90°-180°	143.0	1.2
0°-180°	12424.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4396	4396	4396	4396	4396	
5°	4367	4382	4352	4365	4359	415
15°	4225	4209	4179	4216	4221	1193
25°	3925	3908	3936	3972	3960	1809
35°	3479	3487	3523	3560	3546	2175
45°	2887	2934	2989	3065	3075	2224
55°	2125	2227	2379	2474	2469	1897
65°	1247	1442	1637	1382	1128	1242
75°	491	712	524	536	571	536
85°	84	162	208	251	263	103
90°	1	54	107	135	141	5
95°	1	34	74	90	92	1
105°	2	15	36	44	46	3
115°	5	8	18	24	25	5
125°	4	5	11	13	14	4
135°	6	6	7	10	11	5
145°	6	6	6	7	8	4
155°	6	7	7	7	6	3
165°	7	7	7	7	7	2
175°	7	7	6	6	6	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4395.6	4395.6	4395.6	4395.6	4395.6
2.5°	4377.8	4396.3	4373.4	4398.2	4404.5
5°	4367.0	4382.3	4351.8	4365.1	4359.4
7.5°	4347.3	4352.4	4316.2	4327.0	4315.5
10°	4318.1	4315.5	4273.0	4293.9	4296.5
12.5°	4274.9	4267.2	4229.1	4260.9	4261.5
15°	4225.3	4208.8	4178.9	4215.8	4220.8
17.5°	4168.1	4146.5	4126.8	4174.4	4166.8
20°	4101.4	4075.9	4072.1	4124.2	4105.2
22.5°	4018.7	3999.0	4007.9	4057.5	4045.4
25°	3925.3	3908.1	3935.5	3971.7	3960.3
27.5°	3826.8	3816.6	3847.8	3875.7	3853.5
30°	3718.7	3713.0	3754.3	3777.2	3749.2
32.5°	3601.2	3603.1	3642.5	3673.6	3647.6
35°	3479.1	3487.4	3523.0	3560.5	3546.5
37.5°	3345.0	3363.5	3399.0	3441.6	3427.0
40°	3203.3	3230.0	3269.4	3320.9	3307.5
42.5°	3050.1	3083.8	3134.6	3191.8	3190.6
45°	2887.4	2934.4	2989.1	3065.4	3074.9
47.5°	2718.3	2771.1	2840.4	2942.1	2956.7
50°	2534.7	2600.8	2687.2	2809.2	2818.1
52.5°	2330.0	2420.3	2534.7	2651.6	2640.8
55°	2124.7	2227.0	2378.9	2474.3	2468.6
57.5°	1920.1	2035.1	2219.4	2287.4	2286.8
60°	1691.3	1836.8	2038.3	2089.8	2038.9
62.5°	1479.6	1636.0	1845.1	1807.6	1633.4
65°	1247.0	1442.1	1637.2	1381.7	1128.1
67.5°	1040.4	1243.8	1390.6	946.4	810.4
70°	832.6	1057.0	1084.3	702.3	692.8
72.5°	648.3	887.3	748.1	601.3	631.8
75°	490.7	711.8	523.7	535.8	570.7
77.5°	357.8	546.6	407.4	469.7	498.3
80°	246.0	387.1	332.4	394.7	414.4
82.5°	154.4	255.5	266.3	317.8	338.1
85°	84.5	162.1	207.8	251.1	263.1
87.5°	35.0	97.9	158.9	193.8	204.0
90°	0.6	54.0	107.4	134.7	141.1
92.5°	0.6	41.3	87.7	108.7	113.1
95°	0.6	33.7	73.7	89.6	92.2
97.5°	1.3	26.7	61.7	74.4	76.9
100°	1.9	22.2	51.5	62.3	64.2
102.5°	2.5	17.8	43.2	52.1	54.0
105°	2.5	14.6	36.2	43.9	45.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	8.9	21.6	27.3	28.6
115°	5.1	7.6	18.4	23.5	24.8
117.5°	5.1	6.4	15.9	19.7	21.0
120°	5.1	5.7	14.0	17.2	17.8
122.5°	5.1	5.1	12.1	15.3	15.9
125°	4.4	5.1	11.4	13.3	14.0
127.5°	5.1	5.1	10.2	12.1	12.7
130°	5.1	5.7	8.9	11.4	11.4
132.5°	5.7	6.4	8.3	10.8	10.8
135°	5.7	6.4	7.0	10.2	10.8
137.5°	6.4	6.4	6.4	9.5	10.2
140°	6.4	6.4	5.7	8.3	8.9
142.5°	5.7	6.4	5.7	7.6	8.3
145°	5.7	6.4	6.4	7.0	7.6
147.5°	6.4	6.4	6.4	6.4	7.0
150°	6.4	6.4	6.4	6.4	6.4
152.5°	6.4	6.4	6.4	6.4	6.4
155°	6.4	7.0	7.0	7.0	6.4
157.5°	6.4	7.0	7.0	7.0	7.0
160°	6.4	7.0	7.0	7.0	7.0
162.5°	7.0	7.0	7.0	7.0	7.0
165°	7.0	7.0	7.0	7.0	7.0
167.5°	7.0	7.6	7.0	7.0	7.0
170°	7.0	7.0	7.0	6.4	6.4
172.5°	7.0	7.0	7.0	6.4	6.4
175°	7.0	7.0	6.4	5.7	5.7
177.5°	7.6	7.0	6.4	5.7	5.1
180°	6.4	6.4	6.4	6.4	6.4



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	3.2	12.1	31.1	37.5	38.8
110°	3.8	10.2	26.1	31.8	33.0



(END OF REPORT)