

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: P828773

Luminaire Tested: **OHB-12HE-NL-UNV-L740-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828773  
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-L740-CD  
Description: 12000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

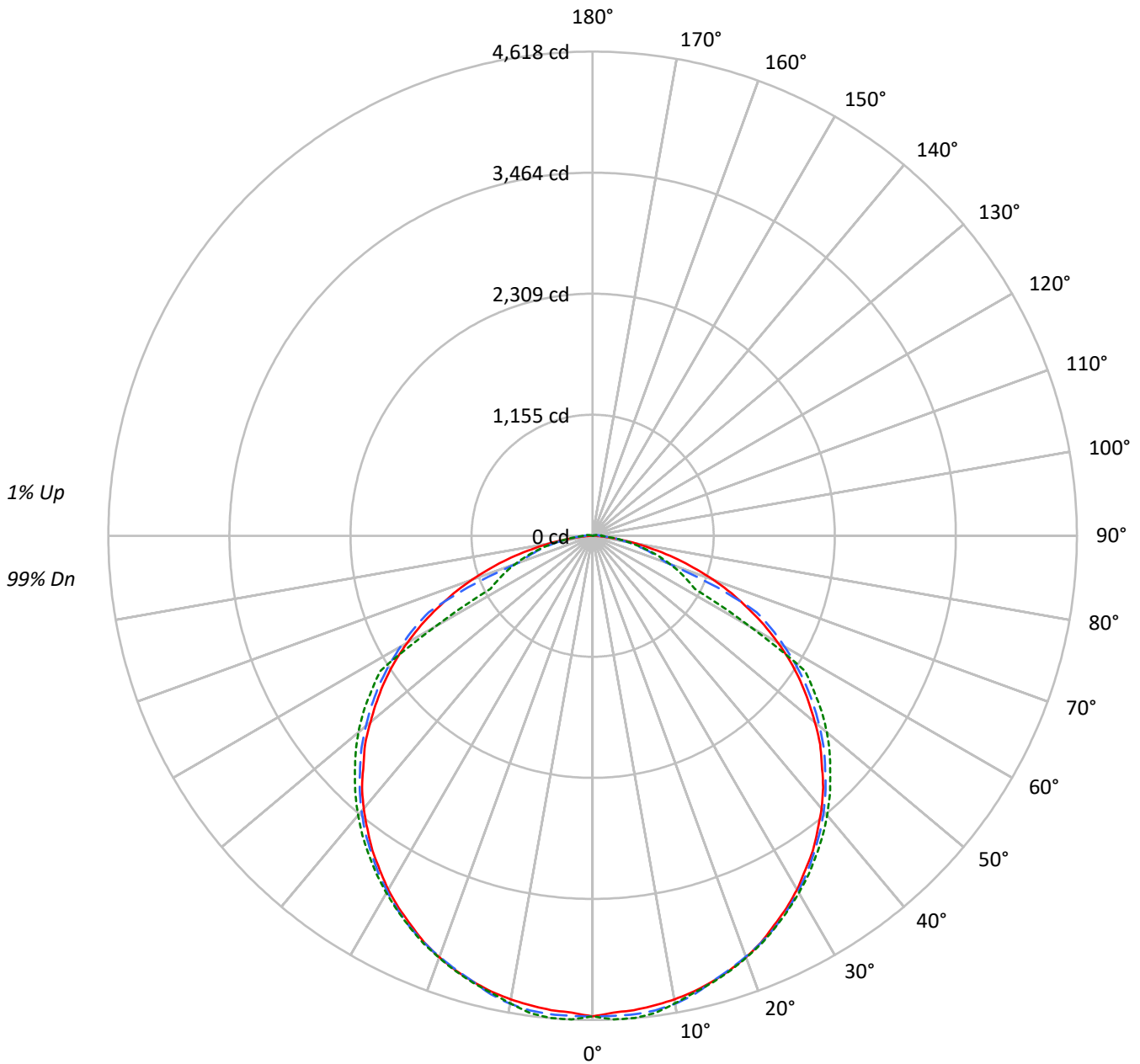
Lumens per Lamp: N/A  
Luminaire Lumens: 12870.0 lumens  
Efficiency: N/A  
Efficacy: 183.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.67' x L: 1.93' x H: 0')  
CIE Type: Direct

Input Watts (W): 70  
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

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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°	15313	15313	15313
5°	15228	15366	15482
10°	15232	15377	15358
15°	15230	15227	15260
20°	15209	15186	15223
25°	15105	15182	15194
30°	15035	15113	15172
35°	14938	15020	15161
40°	14809	14949	15170
45°	14595	14816	15139
50°	14375	14668	15153
55°	14100	14466	14986
60°	13628	14112	11666
65°	12894	13644	7852
70°	11926	7243	7620
75°	10402	6883	7277
80°	7999	6314	6670
85°	4036	6382	6535



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	435.5	3.4
10°-20°	1246.9	9.7
20°-30°	1897.3	14.7
30°-40°	2306.9	17.9
40°-50°	2425.6	18.8
50°-60°	2214.8	17.2
60°-70°	1419.8	11.0
70°-80°	670.7	5.2
80°-90°	186.0	1.4
90°-100°	49.2	0.4
100°-110°	13.5	0.1
110°-120°	3.7	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°	3579.7	27.8
0°-40°	5886.6	45.7
0°-60°	10527.0	81.8
0°-90°	12803.5	99.5
90°-120°	66.5	0.5
90°-150°	66.5	0.5
90°-180°	66.0	0.5
0°-180°	12870.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4584	4584	4584	4584	4584	
5°	4541	4559	4582	4607	4617	432
15°	4404	4437	4403	4409	4413	1243
25°	4098	4104	4119	4126	4122	1891
35°	3663	3641	3683	3728	3718	2289
45°	3089	3084	3136	3210	3204	2388
55°	2421	2403	2484	2567	2573	2159
65°	1631	1631	1726	990	993	1617
75°	806	821	533	561	564	850
85°	105	134	166	180	170	156
90°	0	45	74	88	86	5
95°	2	23	53	72	72	1
105°	4	9	13	13	12	4
115°	4	6	8	6	1	3
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°	4584.0	4584.0	4584.0	4584.0	4584.0
2.5°	4551.8	4567.1	4584.0	4605.7	4617.7
5°	4541.3	4559.0	4582.3	4607.3	4616.9
7.5°	4518.8	4543.7	4566.2	4584.0	4589.6
10°	4490.6	4520.4	4533.3	4531.7	4527.7
12.5°	4452.8	4484.2	4480.2	4461.7	4464.9
15°	4403.8	4436.7	4403.0	4409.4	4412.6
17.5°	4345.9	4378.1	4338.6	4351.5	4352.3
20°	4278.3	4302.4	4271.9	4282.3	4282.3
22.5°	4197.1	4214.0	4201.1	4208.3	4209.9
25°	4098.1	4104.5	4119.0	4125.5	4122.2
27.5°	4003.3	3995.2	4023.4	4038.6	4030.5
30°	3897.8	3885.0	3917.9	3942.9	3933.3
32.5°	3777.2	3769.2	3807.0	3836.7	3831.1
35°	3663.0	3641.3	3683.1	3728.1	3717.7
37.5°	3527.8	3515.0	3562.4	3609.9	3604.3
40°	3395.9	3374.2	3428.1	3484.4	3478.8
42.5°	3254.4	3228.6	3287.3	3355.0	3348.5
45°	3089.4	3083.8	3136.1	3210.1	3204.5
47.5°	2943.1	2915.0	2988.1	3059.7	3066.2
50°	2766.1	2755.7	2822.5	2909.3	2915.7
52.5°	2593.2	2586.0	2655.9	2743.6	2754.9
55°	2421.0	2402.6	2483.8	2566.7	2573.1
57.5°	2236.9	2217.6	2300.5	2390.6	2404.2
60°	2039.8	2021.3	2112.2	2195.9	1746.2
62.5°	1842.7	1829.9	1924.8	1363.4	1098.8
65°	1631.2	1631.2	1726.1	990.1	993.4
67.5°	1433.4	1420.5	1287.0	889.6	889.6
70°	1221.0	1225.8	741.6	779.4	780.2
72.5°	1007.8	1025.6	640.3	670.8	672.4
75°	805.9	821.3	533.3	561.4	563.8
77.5°	592.0	455.3	428.7	450.5	451.3
80°	415.8	287.2	328.2	349.1	346.7
82.5°	242.9	201.1	240.5	255.8	255.0
85°	105.3	133.5	166.5	180.2	170.5
87.5°	33.7	82.9	103.7	111.8	111.0
90°	0.0	45.0	74.0	87.6	86.1
92.5°	0.0	35.3	64.4	80.5	81.2
95°	2.4	23.3	53.1	71.6	71.6
97.5°	1.6	16.9	37.8	56.3	57.9
100°	1.6	13.6	25.0	40.2	41.0
102.5°	4.0	11.2	15.2	25.7	26.6
105°	4.0	8.9	12.9	12.9	12.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.9	6.5	8.9	6.5	0.8
115°	4.0	5.6	8.0	5.6	0.8
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°	4.0	8.0	11.2	7.2	2.4
110°	4.9	7.2	9.6	6.5	0.8



(END OF REPORT)