

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: P827072

Luminaire Tested: **OHBL-15HE-MFL-UNV-L840-CD-UPL24**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827072  
REPORT IS A COMBINATION OF REPORTS P826217 AND G3-2310-221-6  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15HE-MFL-UNV-L840-CD-UPL24  
Description: 15000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND MEDIUM FROSTED LENS AND 2400 LUMEN UPLIGHT MODULE  
Light Source: -  
Ballast/Driver: -

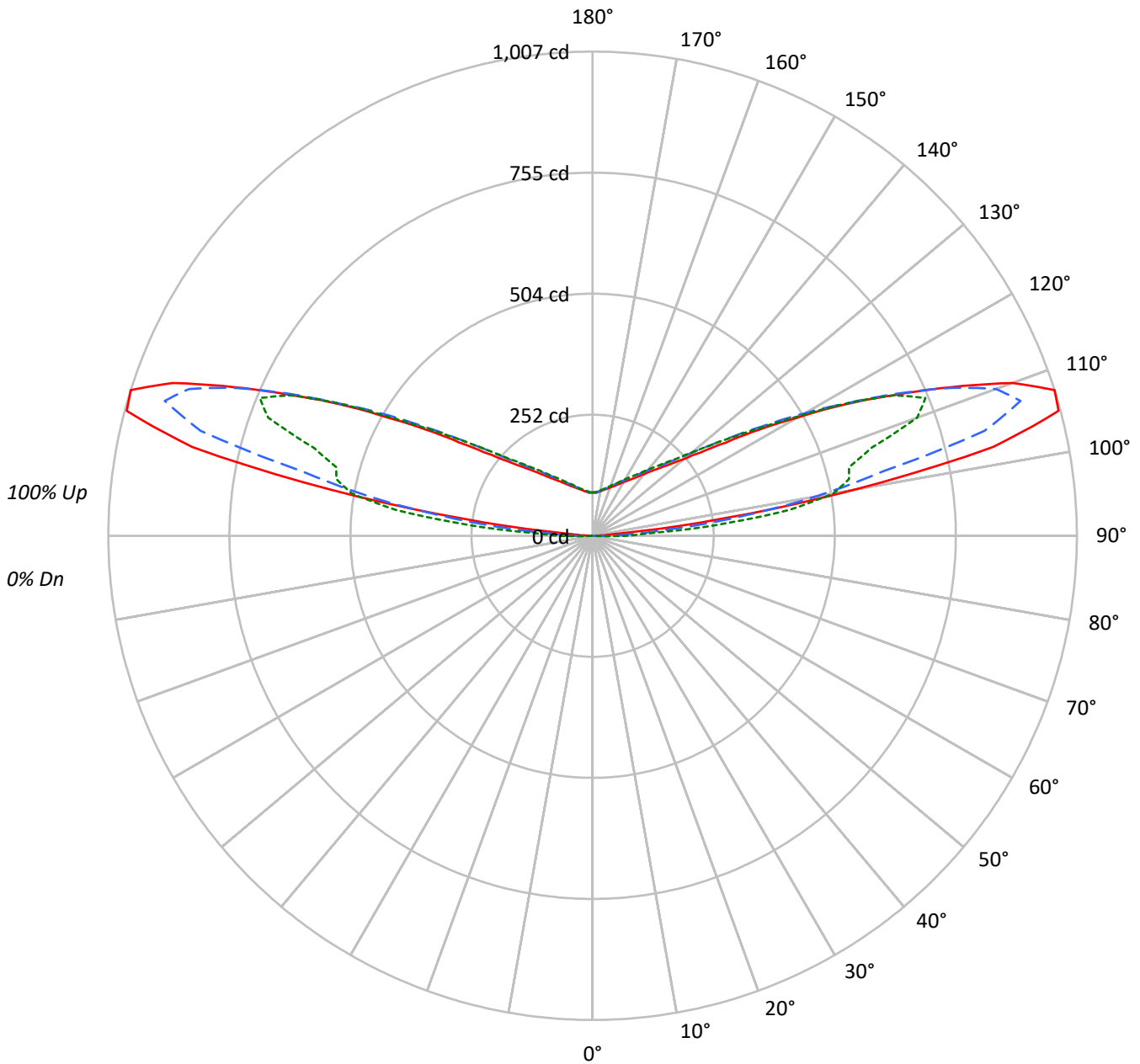
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2420.3 lumens  
Efficiency: N/A  
Efficacy: 139.1 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')  
CIE Type: Indirect  
  
Input Watts (W): 17.4  
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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	10	10	10	0																
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	9	9	9	9	0																
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	7	7	7	0																
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	6	6	6	0																
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	5	5	5	0																
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	4	4	4	0																
6	55	44	36	31	47	38	31	27	26	22	19	15	13	11	5	4	4	4	4	4	0																
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	3	3	3	0																
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	3	3	3	0																
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	2	2	2	2	0																
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	2	2	2	0																

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

	0°	45°	90°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	6.2	0.3
90°-100°	231.8	9.6
100°-110°	804.9	33.3
110°-120°	690.5	28.5
120°-130°	331.2	13.7
130°-140°	165.7	6.8
140°-150°	96.1	4.0
150°-160°	56.0	2.3
160°-170°	29.0	1.2
170°-180°	8.8	0.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	6.2	0.3
90°-120°	1727.2	71.4
90°-150°	2320.3	95.9
90°-180°	2414.0	99.7
0°-180°	2420.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	5	34	47	62	69	4
95°	53	111	172	228	258	165
105°	1003	992	844	601	552	952
115°	692	699	699	697	691	698
125°	338	356	363	362	359	317
135°	200	204	211	213	215	158
145°	145	149	152	153	154	92
155°	116	118	120	121	121	54
165°	100	101	102	102	102	29
175°	90	91	91	92	92	9
180°	90	90	90	90	90	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	0	0	0	0	0
2.5°	0	0	0	0	0
5°	0	0	0	0	0
7.5°	0	0	0	0	0
10°	0	0	0	0	0
12.5°	0	0	0	0	0
15°	0	0	0	0	0
17.5°	0	0	0	0	0
20°	0	0	0	0	0
22.5°	0	0	0	0	0
25°	0	0	0	0	0
27.5°	0	0	0	0	0
30°	0	0	0	0	0
32.5°	0	0	0	0	0
35°	0	0	0	0	0
37.5°	0	0	0	0	0
40°	0	0	0	0	0
42.5°	0	0	0	0	0
45°	0	0	0	0	0
47.5°	0	0	0	0	0
50°	0	0	0	0	0
52.5°	0	0	0	0	0
55°	0	0	0	0	0
57.5°	0	0	0	0	0
60°	0	0	0	0	0
62.5°	0	0	0	0	0
65°	0	0	0	0	0
67.5°	0	0	0	0	0
70°	0	0	0	0	0
72.5°	0	0	0	0	0
75°	0	0	0	0	0
77.5°	0	0	0	0	0
80°	0	0	0	0	0
82.5°	0	0	0	0	0
85°	0	0	0	0	0
87.5°	0	0	0	0	0
90°	5	34	47	62	69
92.5°	17	45	72	102	115
95°	53	111	172	228	258
97.5°	269	291	313	379	412
100°	552	586	473	500	509
102.5°	853	848	618	554	546
105°	1003	992	844	601	552



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	808	820	804	781	749
115°	692	699	699	697	691
117.5°	592	593	597	596	597
120°	490	501	510	505	499
122.5°	411	423	429	427	421
125°	338	356	363	362	359
127.5°	286	299	309	310	309
130°	249	257	267	268	269
132.5°	221	228	235	239	238
135°	200	204	211	213	215
137.5°	183	186	192	195	195
140°	168	172	177	179	180
142.5°	155	159	163	165	165
145°	145	149	152	153	154
147.5°	136	140	142	144	144
150°	129	131	134	135	136
152.5°	122	124	127	128	128
155°	116	118	120	121	121
157.5°	111	113	115	116	116
160°	107	108	110	111	111
162.5°	103	104	105	106	106
165°	100	101	102	102	102
167.5°	97	97	98	99	99
170°	94	95	95	96	96
172.5°	92	93	93	93	94
175°	90	91	91	92	92
177.5°	90	90	90	90	90
180°	90	90	90	90	90



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	1007	1011	933	729	607
110°	929	938	893	816	718



(END OF REPORT)