

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: P828906

Luminaire Tested: **OHB-15HE-N-UNV-L750-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828906  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-15HE-N-UNV-L750-CD  
Description: 15000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

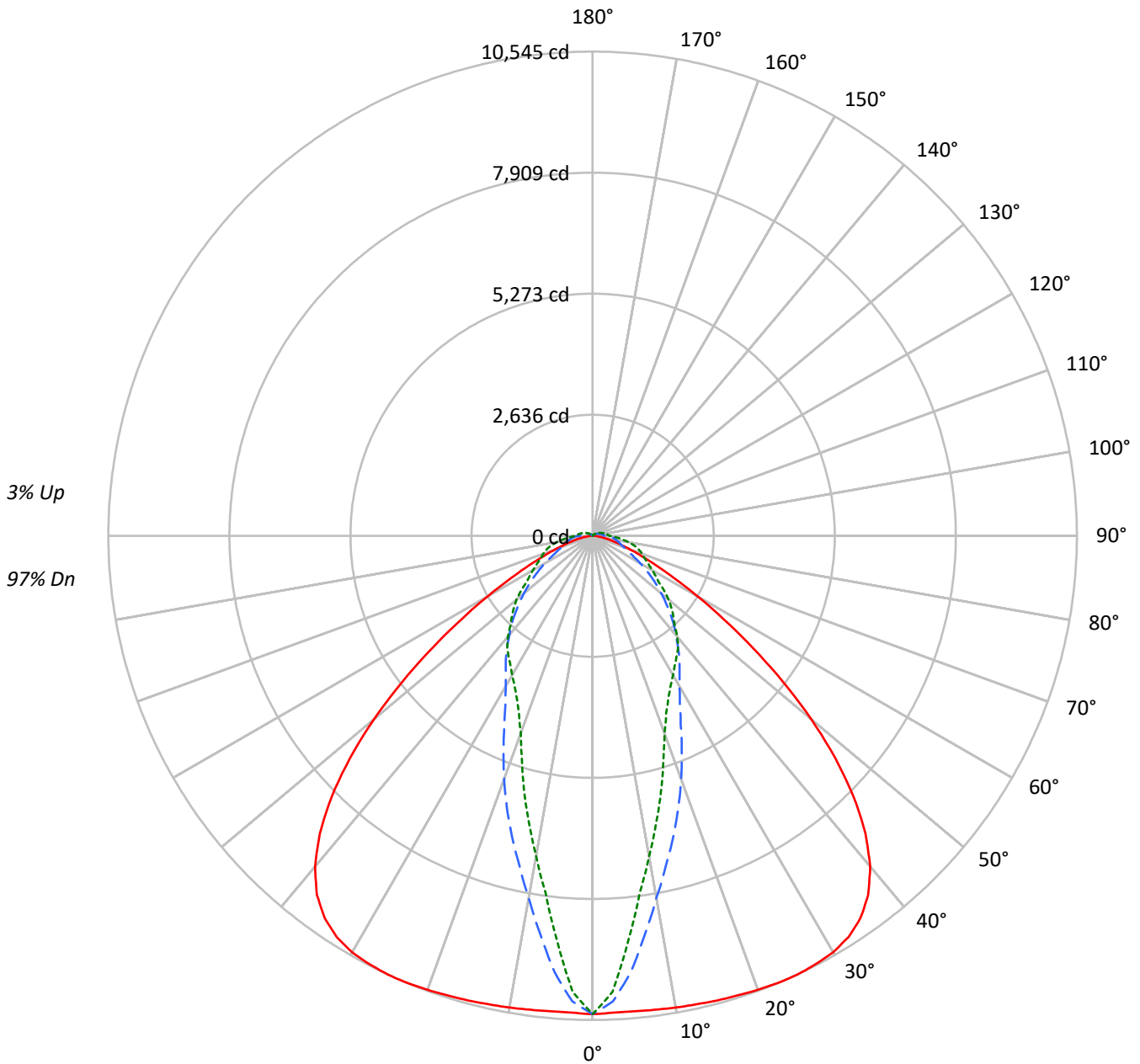
Lumens per Lamp: N/A  
Luminaire Lumens: 15375.0 lumens  
Efficiency: N/A  
Efficacy: 192.2 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 80  
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

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

	0°	45°	90°
0°	34800	34800	34800
5°	34602	31609	29465
10°	34863	26557	23626
15°	35411	22654	19392
20°	36265	19104	15685
25°	37366	15769	13743
30°	38489	13545	12767
35°	39102	12305	12163
40°	38230	11076	11539
45°	34958	9971	10683
50°	29287	8769	10027
55°	22066	7640	8923
60°	15302	6510	8542
65°	10152	5561	8363
70°	6804	5162	8773
75°	4589	5242	9374
80°	3010	5667	9650
85°	1589	6781	10124



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	876.9	5.7
10°-20°	2062.9	13.4
20°-30°	2585.8	16.8
30°-40°	2743.9	17.8
40°-50°	2480.9	16.1
50°-60°	1798.8	11.7
60°-70°	1128.8	7.3
70°-80°	747.0	4.9
80°-90°	430.4	2.8
90°-100°	208.5	1.4
100°-110°	143.9	0.9
110°-120°	88.8	0.6
120°-130°	43.0	0.3
130°-140°	19.8	0.1
140°-150°	10.8	0.1
150°-160°	4.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	5525.7	35.9
0°-40°	8269.5	53.8
0°-60°	12549.3	81.6
0°-90°	14855.5	96.6
90°-120°	441.2	2.9
90°-150°	514.8	3.3
90°-180°	520.0	3.4
0°-180°	15375.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10417	10417	10417	10417	10417	
5°	10397	10130	9535	9093	8864	994
15°	10476	8538	6782	6031	5758	2971
25°	10545	6602	4541	4030	3902	4872
35°	10168	4389	3296	3192	3192	6321
45°	8038	2780	2388	2446	2488	6123
55°	4255	1723	1559	1690	1751	3845
65°	1522	999	902	1156	1285	1584
75°	470	538	606	941	997	524
85°	82	223	443	617	566	99
90°	0	93	257	362	365	5
95°	4	65	226	307	321	4
105°	8	44	165	218	224	8
115°	11	31	111	139	142	11
125°	12	16	56	71	70	10
135°	10	12	25	39	39	8
145°	12	13	15	23	22	7
155°	12	15	16	17	15	4
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10417.4	10417.4	10417.4	10417.4	10417.4
2.5°	10395.6	10336.1	10150.7	10037.6	9942.5
5°	10396.6	10129.9	9535.0	9092.8	8863.7
7.5°	10411.4	9818.5	8746.8	8101.3	7849.5
10°	10434.2	9432.9	8011.1	7323.0	7088.0
12.5°	10451.1	8998.6	7363.7	6656.7	6399.0
15°	10475.9	8538.5	6781.7	6031.1	5757.5
17.5°	10498.7	8105.3	6206.6	5422.4	5118.0
20°	10521.5	7638.3	5631.6	4823.5	4572.7
22.5°	10543.3	7145.5	5070.4	4358.5	4187.0
25°	10545.3	6602.2	4540.9	4030.3	3902.4
27.5°	10519.5	6039.0	4111.6	3755.7	3676.4
30°	10474.9	5492.7	3778.5	3557.4	3500.9
32.5°	10363.8	4935.5	3520.7	3366.0	3333.3
35°	10167.5	4389.2	3295.6	3192.5	3191.5
37.5°	9858.2	3904.4	3051.7	3033.9	3055.7
40°	9401.1	3480.1	2820.7	2868.3	2868.3
42.5°	8791.4	3111.2	2611.5	2660.1	2647.2
45°	8037.9	2780.1	2388.5	2446.0	2487.6
47.5°	7164.4	2488.6	2160.4	2271.5	2329.0
50°	6214.5	2211.0	1952.2	2094.0	2159.4
52.5°	5219.1	1954.2	1749.0	1911.6	1964.1
55°	4255.4	1723.2	1558.6	1690.5	1750.9
57.5°	3382.9	1503.1	1372.2	1497.1	1622.0
60°	2632.4	1313.7	1196.7	1375.2	1500.1
62.5°	2010.7	1145.1	1032.1	1261.2	1386.1
65°	1521.9	999.4	902.2	1156.1	1284.9
67.5°	1147.1	873.5	801.1	1079.7	1205.6
70°	861.6	751.5	719.8	1032.1	1145.1
72.5°	636.5	639.5	655.4	990.5	1076.7
75°	470.0	538.4	605.8	940.9	997.4
77.5°	336.1	446.2	561.2	881.4	901.2
80°	233.0	363.9	514.6	803.1	786.2
82.5°	145.7	291.5	472.9	716.8	670.2
85°	82.3	223.1	443.2	616.7	566.1
87.5°	36.7	166.6	387.7	480.9	449.1
90°	0.0	93.2	256.8	361.9	364.9
92.5°	2.0	77.3	237.0	331.2	341.1
95°	4.0	65.4	226.1	307.4	321.2
97.5°	5.0	57.5	212.2	285.5	297.4
100°	5.9	51.6	195.3	262.7	272.7
102.5°	6.9	47.6	179.5	238.9	246.9
105°	7.9	43.6	164.6	218.1	224.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	9.9	33.7	123.9	156.7	161.6
115°	10.9	30.7	111.0	138.8	141.8
117.5°	11.9	26.8	97.2	122.0	122.9
120°	11.9	23.8	83.3	104.1	104.1
122.5°	11.9	19.8	69.4	86.3	85.3
125°	11.9	15.9	56.5	71.4	70.4
127.5°	10.9	12.9	45.6	59.5	58.5
130°	10.9	12.9	36.7	50.6	50.6
132.5°	9.9	11.9	29.7	43.6	43.6
135°	9.9	11.9	24.8	38.7	38.7
137.5°	9.9	12.9	20.8	33.7	33.7
140°	9.9	11.9	17.8	29.7	29.7
142.5°	10.9	11.9	15.9	25.8	25.8
145°	11.9	12.9	14.9	22.8	21.8
147.5°	11.9	13.9	14.9	19.8	18.8
150°	11.9	14.9	14.9	17.8	16.9
152.5°	11.9	14.9	14.9	16.9	15.9
155°	11.9	14.9	15.9	16.9	14.9
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°	7.9	40.7	150.7	195.3	202.3
110°	8.9	36.7	137.8	174.5	181.4



(END OF REPORT)