

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: P828932

Luminaire Tested: **OHB-15HE-W-UNV-L835-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828932  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-15HE-W-UNV-L835-CD  
Description: 15000 LUMEN OHB HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND WIDE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

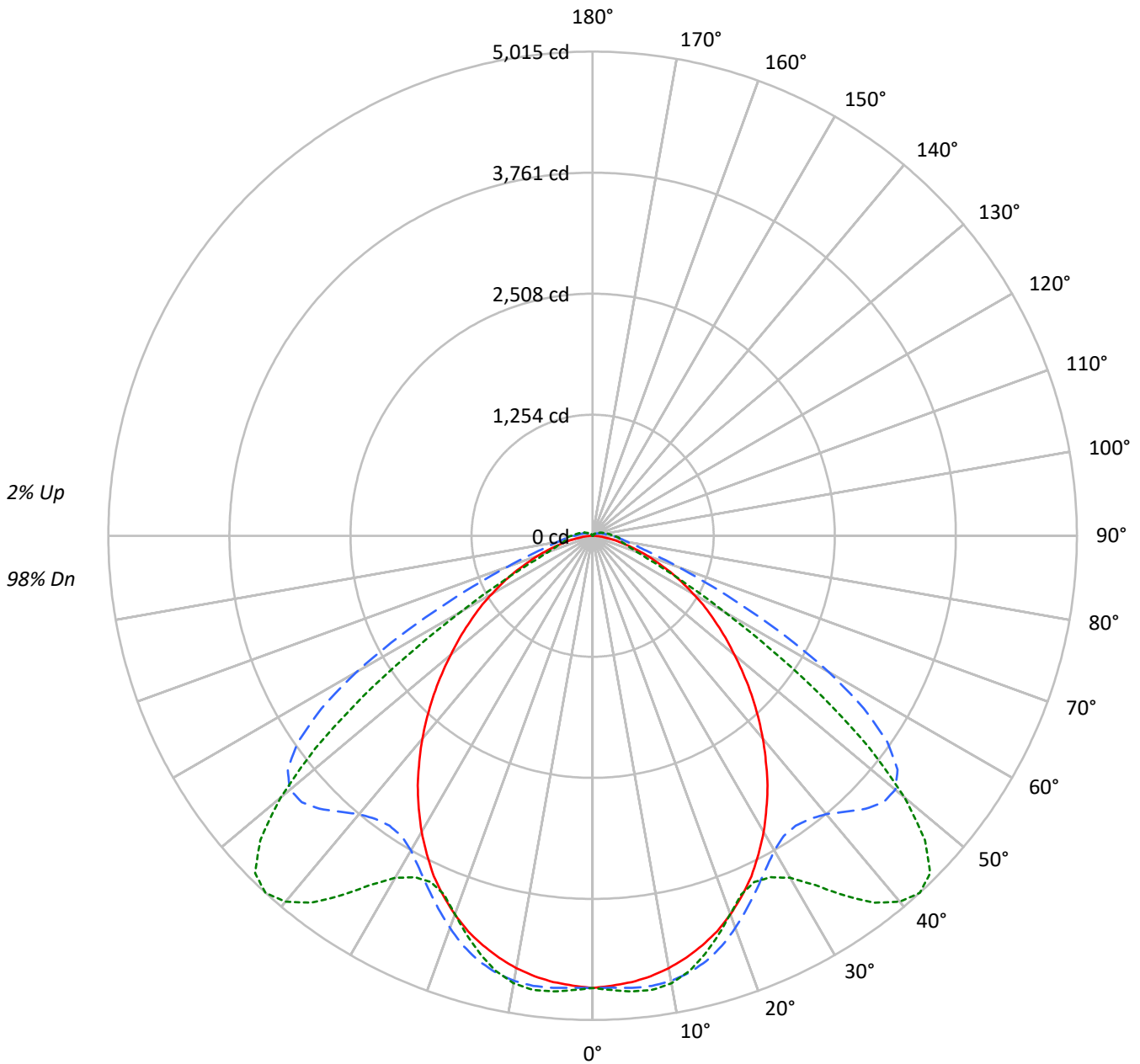
Lumens per Lamp: N/A  
Luminaire Lumens: 14025.0 lumens  
Efficiency: N/A  
Efficacy: 175.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')  
CIE Type: Direct

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100					98															
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83															
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70															
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59															
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50															
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43															
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38															
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33															
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29															
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24															

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

	0°	45°	90°
0°	15647	15647	15647
5°	15445	15585	15749
10°	15195	15521	15691
15°	14843	15225	15113
20°	14382	14663	14299
25°	13787	13992	13937
30°	13015	13484	14911
35°	12146	13689	17339
40°	11149	14774	19906
45°	10114	16693	21228
50°	9039	18376	19573
55°	8028	18255	14791
60°	7002	15344	8920
65°	5926	10508	5308
70°	4724	6719	3740
75°	3493	4740	3343
80°	2389	4062	3547
85°	1463	4267	4934



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	447.6	3.2
10°-20°	1267.5	9.0
20°-30°	1854.8	13.2
30°-40°	2408.8	17.2
40°-50°	2941.5	21.0
50°-60°	2590.5	18.5
60°-70°	1349.9	9.6
70°-80°	578.9	4.1
80°-90°	278.0	2.0
90°-100°	130.6	0.9
100°-110°	81.2	0.6
110°-120°	48.0	0.3
120°-130°	26.1	0.2
130°-140°	13.1	0.1
140°-150°	6.3	0.0
150°-160°	2.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3569.9	25.5
0°-40°	5978.8	42.6
0°-60°	11510.7	82.1
0°-90°	13717.5	97.8
90°-120°	259.8	1.9
90°-150°	305.3	2.2
90°-180°	308.0	2.2
0°-180°	14025.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4684	4684	4684	4684	4684	
5°	4641	4676	4701	4743	4738	440
15°	4391	4514	4558	4523	4487	1236
25°	3891	4099	4029	3953	3958	1786
35°	3158	3492	3666	4276	4550	1968
45°	2325	2926	3999	4842	4943	1793
55°	1548	2563	3724	3265	2902	1389
65°	888	1776	1705	948	816	879
75°	358	831	548	375	356	390
85°	76	296	279	273	276	84
90°	1	107	184	210	215	5
95°	2	63	146	172	177	1
105°	4	35	95	114	116	4
115°	6	20	59	72	74	6
125°	7	10	34	44	46	6
135°	6	6	16	27	28	5
145°	8	6	7	13	15	5
155°	8	8	6	6	6	2
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°	4684.1	4684.1	4684.1	4684.1	4684.1
2.5°	4663.9	4684.1	4685.1	4713.4	4710.4
5°	4640.6	4676.0	4701.3	4742.7	4737.7
7.5°	4602.2	4657.8	4702.3	4747.8	4743.7
10°	4547.7	4623.5	4682.1	4719.5	4707.3
12.5°	4476.9	4577.0	4634.6	4642.7	4619.4
15°	4391.0	4514.3	4557.8	4523.4	4487.0
17.5°	4294.0	4438.5	4453.7	4378.9	4333.4
20°	4172.7	4337.5	4322.3	4219.2	4168.7
22.5°	4038.3	4226.3	4177.8	4069.7	4021.1
25°	3890.8	4099.0	4029.2	3953.4	3957.5
27.5°	3718.0	3954.4	3886.7	3921.1	3985.8
30°	3542.1	3802.9	3761.4	3961.5	4088.9
32.5°	3349.1	3647.2	3684.6	4079.8	4287.9
35°	3158.1	3491.6	3666.4	4275.8	4549.7
37.5°	2946.9	3333.9	3695.7	4502.2	4789.2
40°	2741.7	3180.3	3762.4	4705.3	4947.9
42.5°	2532.5	3042.9	3874.6	4825.6	5014.6
45°	2325.4	2925.7	3998.9	4841.7	4942.8
47.5°	2118.2	2826.6	4084.8	4713.4	4666.9
50°	1918.1	2738.7	4090.9	4405.2	4215.2
52.5°	1731.1	2657.9	3979.7	3914.0	3618.9
55°	1548.2	2562.9	3724.0	3265.2	2902.4
57.5°	1381.5	2431.5	3329.9	2567.9	2171.8
60°	1204.6	2253.6	2820.6	1878.7	1566.4
62.5°	1041.9	2032.3	2249.6	1307.7	1125.8
65°	888.3	1775.6	1704.9	947.9	815.5
67.5°	725.6	1509.8	1258.2	691.2	606.4
70°	598.3	1263.2	936.8	537.6	488.1
72.5°	467.9	1028.8	700.3	436.6	409.3
75°	357.7	830.7	547.7	374.9	355.7
77.5°	263.8	656.9	440.6	331.5	313.3
80°	184.9	517.4	368.9	296.1	289.0
82.5°	124.3	400.2	314.3	282.0	283.0
85°	75.8	296.1	278.9	272.9	275.9
87.5°	36.4	210.2	239.5	248.6	251.6
90°	1.0	107.1	183.9	210.2	215.3
92.5°	0.0	81.9	161.7	188.0	193.0
95°	2.0	62.7	146.5	171.8	176.9
97.5°	2.0	51.5	131.4	157.7	160.7
100°	3.0	44.5	117.2	142.5	145.5
102.5°	3.0	39.4	105.1	127.3	129.4
105°	4.0	35.4	95.0	114.2	116.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	6.1	24.3	66.7	80.8	82.9
115°	6.1	20.2	58.6	71.8	73.8
117.5°	7.1	18.2	51.5	63.7	64.7
120°	7.1	15.2	44.5	56.6	57.6
122.5°	7.1	12.1	39.4	50.5	51.5
125°	7.1	10.1	34.4	44.5	45.5
127.5°	6.1	7.1	29.3	39.4	40.4
130°	6.1	6.1	24.3	34.4	36.4
132.5°	6.1	6.1	20.2	30.3	32.3
135°	6.1	6.1	16.2	27.3	28.3
137.5°	6.1	6.1	13.1	23.2	25.3
140°	6.1	6.1	10.1	20.2	21.2
142.5°	7.1	6.1	9.1	17.2	18.2
145°	8.1	6.1	7.1	13.1	15.2
147.5°	8.1	7.1	7.1	11.1	12.1
150°	8.1	8.1	6.1	8.1	10.1
152.5°	8.1	8.1	6.1	6.1	8.1
155°	8.1	8.1	6.1	6.1	6.1
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°	5.1	31.3	84.9	102.1	104.1
110°	5.1	27.3	74.8	91.0	93.0



(END OF REPORT)