

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: P828872

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828872  
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-15HE-A-UNV-L835-CD  
Description: 15000 LUMEN OHB HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

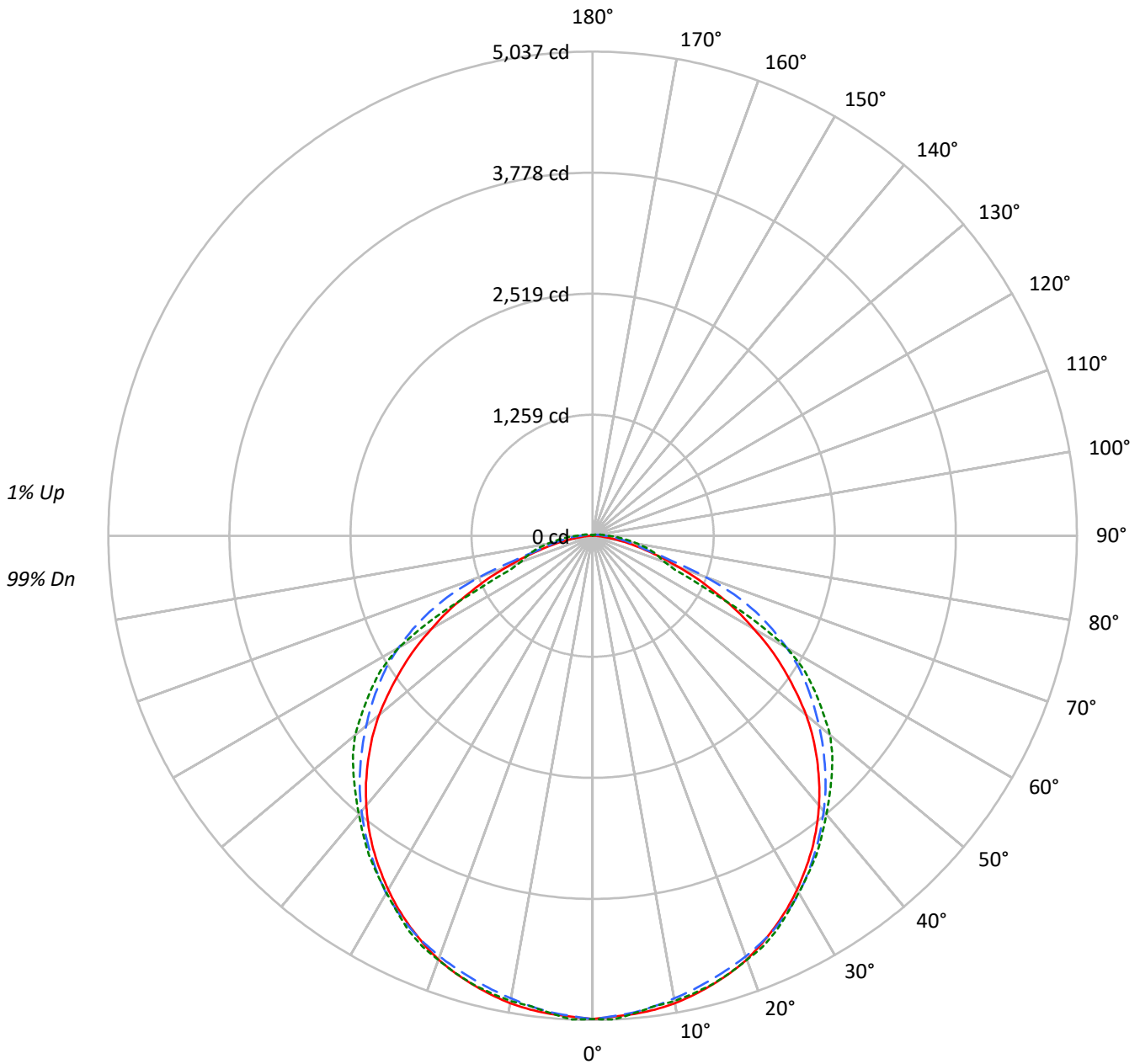
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14209.0 lumens  
Efficiency: N/A  
Efficacy: 177.6 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): 80  
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°	16793	16793	16793
5°	16622	16499	16573
10°	16501	16200	16379
15°	16335	15965	16259
20°	16167	15799	16104
25°	15907	15630	15950
30°	15627	15392	15637
35°	15303	15044	15458
40°	14898	14683	15218
45°	14362	14271	15103
50°	13661	13805	14966
55°	12601	13337	14387
60°	11243	12681	13279
65°	9514	11541	8397
70°	7519	8894	6070
75°	5480	5184	6134
80°	3634	4187	5817
85°	1867	3637	5381



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	474.0	3.3
10°-20°	1359.3	9.6
20°-30°	2076.0	14.6
30°-40°	2518.9	17.7
40°-50°	2640.1	18.6
50°-60°	2392.3	16.8
60°-70°	1603.9	11.3
70°-80°	720.2	5.1
80°-90°	261.4	1.8
90°-100°	78.7	0.6
100°-110°	37.1	0.3
110°-120°	18.6	0.1
120°-130°	10.3	0.1
130°-140°	7.1	0.0
140°-150°	4.7	0.0
150°-160°	3.5	0.0
160°-170°	2.3	0.0
170°-180°	0.7	0.0
0°-30°	3909.3	27.5
0°-40°	6428.2	45.2
0°-60°	11460.5	80.7
0°-90°	14046.0	98.9
90°-120°	134.4	0.9
90°-150°	156.4	1.1
90°-180°	163.0	1.1
0°-180°	14209.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5027	5027	5027	5027	5027	
5°	4994	5012	4977	4992	4986	475
15°	4832	4814	4779	4821	4827	1364
25°	4489	4470	4501	4542	4529	2069
35°	3979	3988	4029	4072	4056	2487
45°	3302	3356	3419	3506	3517	2544
55°	2430	2547	2721	2830	2823	2169
65°	1426	1649	1872	1580	1290	1421
75°	561	814	599	613	653	613
85°	97	185	238	287	301	118
90°	1	62	123	154	161	6
95°	1	38	84	102	105	1
105°	3	17	41	50	52	3
115°	6	9	21	27	28	5
125°	5	6	13	15	16	5
135°	6	7	8	12	12	5
145°	6	7	7	8	9	4
155°	7	8	8	8	7	3
165°	8	8	8	8	8	2
175°	8	8	7	6	6	1
180°	7	7	7	7	7	



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CATALOG NUMBER: OHB-15HE-A-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5027.2	5027.2	5027.2	5027.2	5027.2
2.5°	5006.8	5027.9	5001.7	5030.1	5037.3
5°	4994.4	5011.9	4977.0	4992.3	4985.7
7.5°	4971.9	4977.7	4936.3	4948.7	4935.6
10°	4938.5	4935.6	4886.9	4910.9	4913.8
12.5°	4889.0	4880.3	4836.7	4873.1	4873.8
15°	4832.4	4813.5	4779.3	4821.4	4827.3
17.5°	4766.9	4742.2	4719.7	4774.2	4765.5
20°	4690.6	4661.5	4657.2	4716.8	4695.0
22.5°	4596.1	4573.6	4583.8	4640.5	4626.6
25°	4489.3	4469.6	4500.9	4542.3	4529.2
27.5°	4376.6	4365.0	4400.6	4432.6	4407.1
30°	4253.0	4246.5	4293.7	4319.9	4287.9
32.5°	4118.5	4120.7	4165.8	4201.4	4171.6
35°	3979.0	3988.4	4029.1	4072.0	4056.0
37.5°	3825.6	3846.7	3887.4	3936.1	3919.4
40°	3663.5	3694.0	3739.1	3798.0	3782.7
42.5°	3488.3	3526.9	3585.0	3650.4	3649.0
45°	3302.3	3356.0	3418.6	3505.8	3516.7
47.5°	3108.9	3169.2	3248.5	3364.8	3381.5
50°	2898.8	2974.4	3073.3	3212.8	3223.0
52.5°	2664.8	2768.0	2898.8	3032.6	3020.2
55°	2430.0	2547.0	2720.7	2829.8	2823.2
57.5°	2195.9	2327.5	2538.3	2616.1	2615.3
60°	1934.2	2100.7	2331.1	2390.0	2331.9
62.5°	1692.2	1871.0	2110.2	2067.3	1868.1
65°	1426.2	1649.3	1872.5	1580.3	1290.2
67.5°	1189.9	1422.5	1590.4	1082.3	926.8
70°	952.2	1208.8	1240.1	803.2	792.3
72.5°	741.4	1014.7	855.5	687.6	722.5
75°	561.2	814.1	599.0	612.8	652.7
77.5°	409.2	625.1	465.9	537.2	569.9
80°	281.3	442.7	380.2	451.4	473.9
82.5°	176.6	292.2	304.6	363.4	386.7
85°	96.7	185.4	237.7	287.1	300.9
87.5°	40.0	111.9	181.7	221.7	233.3
90°	0.7	61.8	122.8	154.1	161.4
92.5°	0.7	47.2	100.3	124.3	129.4
95°	0.7	38.5	84.3	102.5	105.4
97.5°	1.5	30.5	70.5	85.0	88.0
100°	2.2	25.4	58.9	71.2	73.4
102.5°	2.9	20.4	49.4	59.6	61.8
105°	2.9	16.7	41.4	50.2	52.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.1	10.2	24.7	31.3	32.7
115°	5.8	8.7	21.1	26.9	28.3
117.5°	5.8	7.3	18.2	22.5	24.0
120°	5.8	6.5	16.0	19.6	20.4
122.5°	5.8	5.8	13.8	17.4	18.2
125°	5.1	5.8	13.1	15.3	16.0
127.5°	5.8	5.8	11.6	13.8	14.5
130°	5.8	6.5	10.2	13.1	13.1
132.5°	6.5	7.3	9.4	12.4	12.4
135°	6.5	7.3	8.0	11.6	12.4
137.5°	7.3	7.3	7.3	10.9	11.6
140°	7.3	7.3	6.5	9.4	10.2
142.5°	6.5	7.3	6.5	8.7	9.4
145°	6.5	7.3	7.3	8.0	8.7
147.5°	7.3	7.3	7.3	7.3	8.0
150°	7.3	7.3	7.3	7.3	7.3
152.5°	7.3	7.3	7.3	7.3	7.3
155°	7.3	8.0	8.0	8.0	7.3
157.5°	7.3	8.0	8.0	8.0	8.0
160°	7.3	8.0	8.0	8.0	8.0
162.5°	8.0	8.0	8.0	8.0	8.0
165°	8.0	8.0	8.0	8.0	8.0
167.5°	8.0	8.7	8.0	8.0	8.0
170°	8.0	8.0	8.0	7.3	7.3
172.5°	8.0	8.0	8.0	7.3	7.3
175°	8.0	8.0	7.3	6.5	6.5
177.5°	8.7	8.0	7.3	6.5	5.8
180°	7.3	7.3	7.3	7.3	7.3



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	3.6	13.8	35.6	42.9	44.3
110°	4.4	11.6	29.8	36.3	37.8



(END OF REPORT)