

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: P830600

Luminaire Tested: **OHBL-60HE-A-UNV-L835-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830600  
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: OHBL-60HE-A-UNV-L835-CD  
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

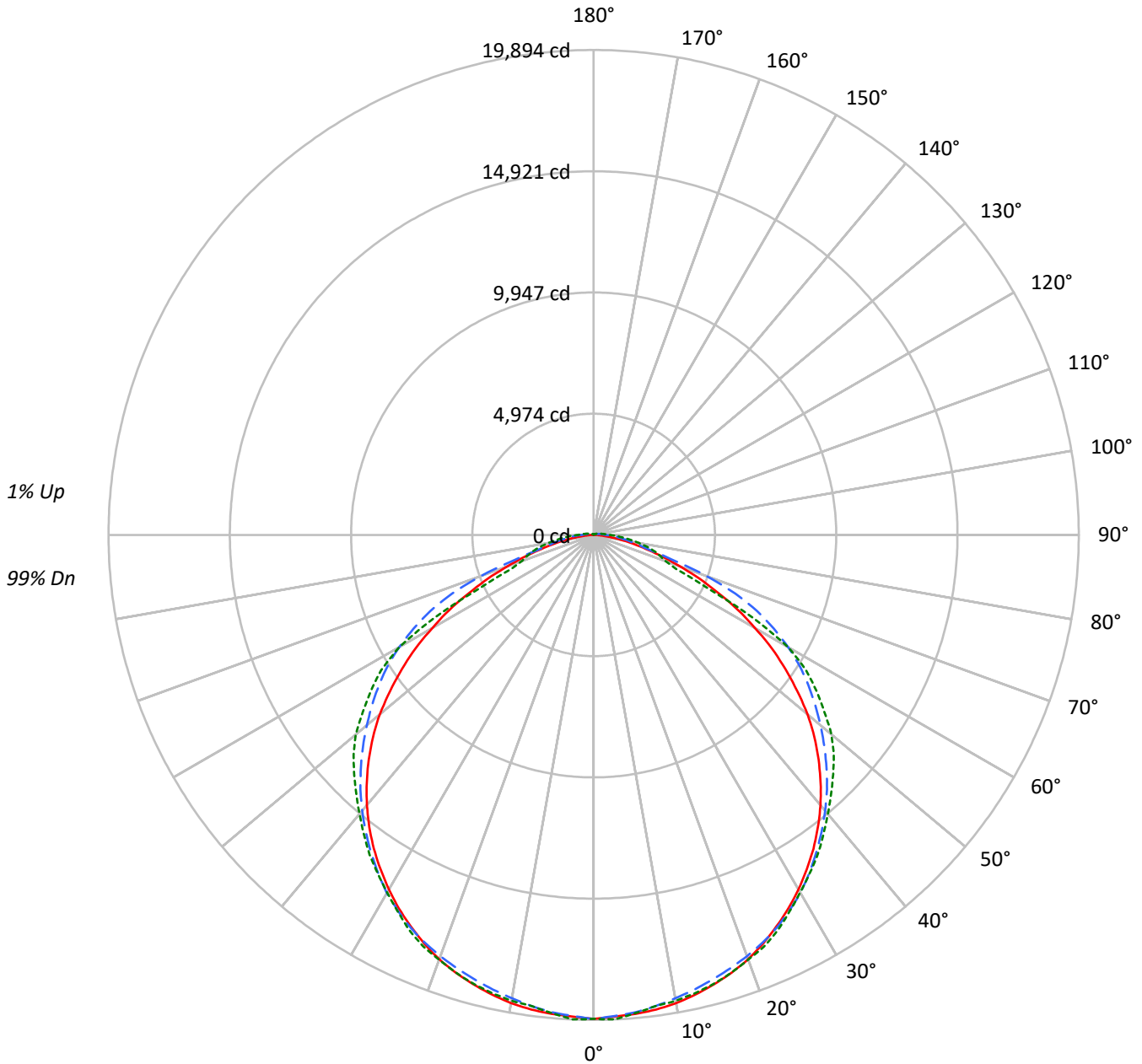
Lumens per Lamp: N/A  
Luminaire Lumens: 56115.0 lumens  
Efficiency: N/A  
Efficacy: 166.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 338  
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°	31398	31398	31398
5°	31192	30942	31007
10°	31078	30473	30662
15°	30881	30123	30457
20°	30684	29902	30187
25°	30314	29679	29920
30°	29911	29329	29354
35°	29429	28773	29042
40°	28804	28198	28617
45°	27936	27534	28429
50°	26760	26777	28204
55°	24893	26032	27151
60°	22447	24943	25101
65°	19256	22921	15908
70°	15510	17893	11534
75°	11629	10622	11706
80°	8094	8832	11176
85°	4607	8092	10476



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1872.0	3.3
10°-20°	5368.0	9.6
20°-30°	8198.7	14.6
30°-40°	9947.8	17.7
40°-50°	10426.2	18.6
50°-60°	9447.7	16.8
60°-70°	6334.3	11.3
70°-80°	2844.4	5.1
80°-90°	1032.2	1.8
90°-100°	310.7	0.6
100°-110°	146.6	0.3
110°-120°	73.5	0.1
120°-130°	40.5	0.1
130°-140°	27.9	0.0
140°-150°	18.7	0.0
150°-160°	13.9	0.0
160°-170°	9.0	0.0
170°-180°	2.8	0.0
0°-30°	15438.7	27.5
0°-40°	25386.5	45.2
0°-60°	45260.4	80.7
0°-90°	55471.4	98.9
90°-120°	530.8	0.9
90°-150°	617.9	1.1
90°-180°	644.0	1.1
0°-180°	56115.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19854	19854	19854	19854	19854	
5°	19724	19793	19656	19716	19690	###
15°	19084	19010	18875	19041	19064	5388
25°	17729	17652	17775	17939	17887	8172
35°	15714	15751	15912	16082	16018	9822
45°	13041	13254	13501	13845	13888	10046
55°	9597	10059	10745	11176	11150	8566
65°	5632	6514	7395	6241	5095	5612
75°	2216	3215	2365	2420	2578	2422
85°	382	732	939	1134	1188	466
90°	3	244	485	609	637	23
95°	3	152	333	405	416	4
105°	12	66	164	198	207	13
115°	23	34	83	106	112	21
125°	20	23	52	60	63	20
135°	26	29	32	46	49	20
145°	26	29	29	32	34	17
155°	29	32	32	32	29	13
165°	32	32	32	32	32	9
175°	32	32	29	26	26	3
180°	29	29	29	29	29	



TEST NUMBER: P830600

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	19853.5	19853.5	19853.5	19853.5	19853.5
2.5°	19773.2	19856.4	19753.1	19865.0	19893.7
5°	19724.4	19793.3	19655.5	19715.7	19689.9
7.5°	19635.4	19658.3	19494.7	19543.5	19491.8
10°	19503.3	19491.8	19299.5	19394.2	19405.7
12.5°	19308.1	19273.7	19101.4	19245.0	19247.8
15°	19084.2	19009.6	18874.6	19041.1	19064.1
17.5°	18825.8	18728.2	18639.2	18854.5	18820.1
20°	18524.4	18409.6	18392.4	18627.8	18541.6
22.5°	18151.2	18062.2	18102.4	18326.3	18271.8
25°	17729.2	17651.7	17775.2	17938.8	17887.1
27.5°	17284.3	17238.4	17379.0	17505.3	17404.9
30°	16796.3	16770.4	16957.0	17060.4	16934.1
32.5°	16265.2	16273.8	16451.8	16592.5	16474.8
35°	15714.0	15751.4	15912.1	16081.5	16018.3
37.5°	15108.3	15191.6	15352.3	15544.7	15478.6
40°	14468.2	14588.7	14766.7	14999.2	14939.0
42.5°	13776.3	13928.5	14158.1	14416.5	14410.7
45°	13041.4	13253.9	13500.7	13845.2	13888.3
47.5°	12277.8	12516.1	12829.0	13288.3	13354.3
50°	11448.2	11746.8	12137.2	12688.3	12728.5
52.5°	10523.9	10931.5	11448.2	11976.4	11927.6
55°	9596.6	10058.8	10744.9	11175.5	11149.7
57.5°	8672.3	9191.9	10024.4	10331.5	10328.7
60°	7638.8	8296.2	9206.2	9438.8	9209.1
62.5°	6682.9	7389.1	8333.5	8164.2	7377.6
65°	5632.2	6513.5	7394.8	6240.8	5095.4
67.5°	4699.3	5617.9	6281.0	4274.4	3660.1
70°	3760.6	4773.9	4897.4	3172.1	3129.0
72.5°	2928.1	4007.5	3378.8	2715.7	2853.4
75°	2216.2	3215.1	2365.4	2420.0	2577.9
77.5°	1616.2	2468.8	1840.1	2121.4	2250.6
80°	1110.9	1748.2	1501.4	1782.7	1871.7
82.5°	697.6	1154.0	1202.8	1435.3	1527.2
85°	381.8	732.0	938.7	1133.9	1188.5
87.5°	157.9	442.1	717.7	875.6	921.5
90°	2.9	244.0	485.1	608.6	637.3
92.5°	2.9	186.6	396.2	490.9	511.0
95°	2.9	152.1	333.0	404.8	416.2
97.5°	5.7	120.6	278.5	335.9	347.4
100°	8.6	100.5	232.5	281.3	289.9
102.5°	11.5	80.4	195.2	235.4	244.0
105°	11.5	66.0	163.6	198.1	206.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	20.1	40.2	97.6	123.4	129.2
115°	23.0	34.4	83.2	106.2	112.0
117.5°	23.0	28.7	71.8	89.0	94.7
120°	23.0	25.8	63.2	77.5	80.4
122.5°	23.0	23.0	54.5	68.9	71.8
125°	20.1	23.0	51.7	60.3	63.2
127.5°	23.0	23.0	45.9	54.5	57.4
130°	23.0	25.8	40.2	51.7	51.7
132.5°	25.8	28.7	37.3	48.8	48.8
135°	25.8	28.7	31.6	45.9	48.8
137.5°	28.7	28.7	28.7	43.1	45.9
140°	28.7	28.7	25.8	37.3	40.2
142.5°	25.8	28.7	25.8	34.4	37.3
145°	25.8	28.7	28.7	31.6	34.4
147.5°	28.7	28.7	28.7	28.7	31.6
150°	28.7	28.7	28.7	28.7	28.7
152.5°	28.7	28.7	28.7	28.7	28.7
155°	28.7	31.6	31.6	31.6	28.7
157.5°	28.7	31.6	31.6	31.6	31.6
160°	28.7	31.6	31.6	31.6	31.6
162.5°	31.6	31.6	31.6	31.6	31.6
165°	31.6	31.6	31.6	31.6	31.6
167.5°	31.6	34.4	31.6	31.6	31.6
170°	31.6	31.6	31.6	28.7	28.7
172.5°	31.6	31.6	31.6	28.7	28.7
175°	31.6	31.6	28.7	25.8	25.8
177.5°	34.4	31.6	28.7	25.8	23.0
180°	28.7	28.7	28.7	28.7	28.7



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	14.4	54.5	140.7	169.4	175.1
110°	17.2	45.9	117.7	143.5	149.3



(END OF REPORT)