

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: P830671

Luminaire Tested: **OHBL-60SE-A-UNV-L830-CD**

Issue Date: 5/3/2024



**Test Information**

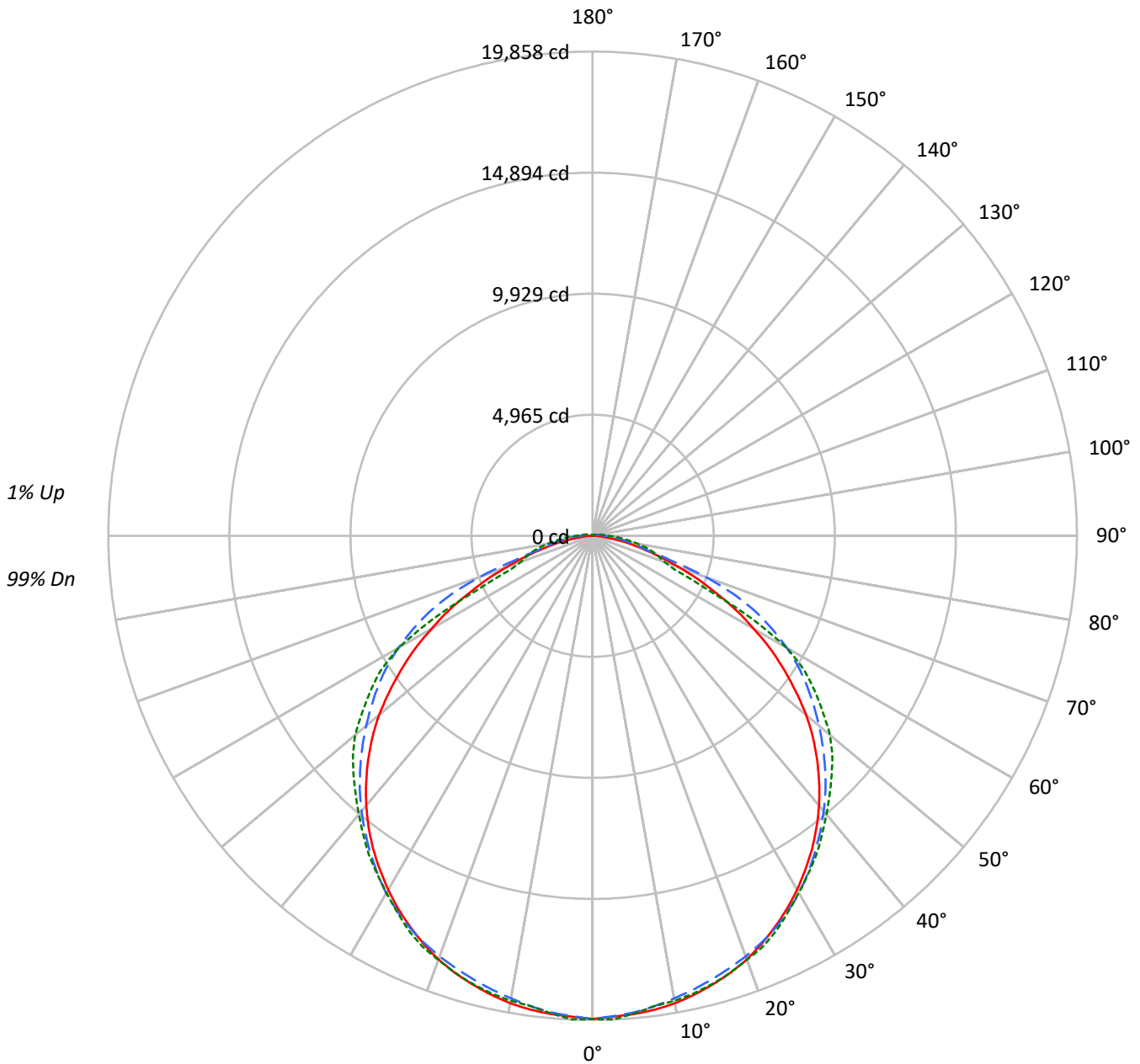
Test Method: LM-79-08  
Report Number: P830671  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-60SE-A-UNV-L830-CD  
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 56013.0 lumens  
Efficiency: N/A  
Efficacy: 154.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 362  
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°	33848	33848	33848
5°	33627	33341	33405
10°	33503	32821	33013
15°	33291	32429	32770
20°	33078	32176	32458
25°	32679	31921	32149
30°	32245	31527	31517
35°	31726	30912	31157
40°	31051	30276	30673
45°	30116	29541	30441
50°	28849	28706	30165
55°	26835	27881	28999
60°	24199	26682	26764
65°	20758	24482	16925
70°	16720	19073	12235
75°	12536	11288	12365
80°	8725	9342	11725
85°	4966	8483	10847



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1868.6	3.3
10°-20°	5358.3	9.6
20°-30°	8183.8	14.6
30°-40°	9929.7	17.7
40°-50°	10407.3	18.6
50°-60°	9430.6	16.8
60°-70°	6322.8	11.3
70°-80°	2839.2	5.1
80°-90°	1030.3	1.8
90°-100°	310.1	0.6
100°-110°	146.3	0.3
110°-120°	73.3	0.1
120°-130°	40.5	0.1
130°-140°	27.8	0.0
140°-150°	18.7	0.0
150°-160°	13.9	0.0
160°-170°	8.9	0.0
170°-180°	2.8	0.0
0°-30°	15410.6	27.5
0°-40°	25340.3	45.2
0°-60°	45178.2	80.7
0°-90°	55370.6	98.9
90°-120°	529.8	0.9
90°-150°	616.8	1.1
90°-180°	642.0	1.1
0°-180°	56013.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19817	19817	19817	19817	19817	
5°	19688	19757	19620	19680	19654	###
15°	19050	18975	18840	19006	19029	5378
25°	17697	17620	17743	17906	17855	8157
35°	15686	15723	15883	16052	15989	9804
45°	13018	13230	13476	13820	13863	10028
55°	9579	10040	10725	11155	11129	8551
65°	5622	6502	7381	6230	5086	5602
75°	2212	3209	2361	2416	2573	2418
85°	381	731	937	1132	1186	465
90°	3	244	484	608	636	23
95°	3	152	332	404	416	4
105°	12	66	163	198	206	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	19817.4	19817.4	19817.4	19817.4	19817.4
2.5°	19737.2	19820.3	19717.2	19828.9	19857.6
5°	19688.5	19757.3	19619.7	19679.9	19654.1
7.5°	19599.7	19622.6	19459.3	19508.0	19456.4
10°	19467.9	19456.4	19264.4	19359.0	19370.4
12.5°	19273.0	19238.6	19066.7	19210.0	19212.8
15°	19049.5	18975.0	18840.3	19006.5	19029.4
17.5°	18791.6	18694.2	18605.4	18820.3	18785.9
20°	18490.7	18376.1	18358.9	18593.9	18507.9
22.5°	18118.2	18029.4	18069.5	18293.0	18238.6
25°	17697.0	17619.6	17742.9	17906.2	17854.6
27.5°	17252.9	17207.0	17347.4	17473.5	17373.2
30°	16765.7	16740.0	16926.2	17029.4	16903.3
32.5°	16235.6	16244.2	16421.9	16562.3	16444.8
35°	15685.5	15722.7	15883.2	16052.2	15989.2
37.5°	15080.9	15164.0	15324.4	15516.4	15450.5
40°	14441.9	14562.2	14739.9	14972.0	14911.8
42.5°	13751.3	13903.2	14132.4	14390.3	14384.6
45°	13017.7	13229.8	13476.2	13820.1	13863.0
47.5°	12255.5	12493.4	12805.7	13264.2	13330.1
50°	11427.4	11725.4	12115.1	12665.3	12705.4
52.5°	10504.7	10911.6	11427.4	11954.7	11905.9
55°	9579.2	10040.5	10725.4	11155.2	11129.4
57.5°	8656.5	9175.2	10006.1	10312.8	10309.9
60°	7625.0	8281.1	9189.5	9421.6	9192.4
62.5°	6670.8	7375.7	8318.4	8149.3	7364.2
65°	5622.0	6501.7	7381.4	6229.5	5086.2
67.5°	4690.7	5607.7	6269.6	4266.7	3653.4
70°	3753.7	4765.2	4888.5	3166.3	3123.3
72.5°	2922.8	4000.2	3372.6	2710.7	2848.3
75°	2212.1	3209.3	2361.1	2415.6	2573.2
77.5°	1613.2	2464.3	1836.8	2117.6	2246.5
80°	1108.9	1745.1	1498.6	1779.4	1868.3
82.5°	696.3	1151.9	1200.6	1432.7	1524.4
85°	381.1	730.7	937.0	1131.9	1186.3
87.5°	157.6	441.3	716.4	874.0	919.8
90°	2.9	243.6	484.3	607.5	636.1
92.5°	2.9	186.3	395.4	490.0	510.0
95°	2.9	151.9	332.4	404.0	415.5
97.5°	5.7	120.3	277.9	335.3	346.7
100°	8.6	100.3	232.1	280.8	289.4
102.5°	11.5	80.2	194.9	235.0	243.6
105°	11.5	65.9	163.3	197.7	206.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	20.1	40.1	97.4	123.2	128.9
115°	22.9	34.4	83.1	106.0	111.8
117.5°	22.9	28.7	71.6	88.8	94.6
120°	22.9	25.8	63.0	77.4	80.2
122.5°	22.9	22.9	54.4	68.8	71.6
125°	20.1	22.9	51.6	60.2	63.0
127.5°	22.9	22.9	45.8	54.4	57.3
130°	22.9	25.8	40.1	51.6	51.6
132.5°	25.8	28.7	37.3	48.7	48.7
135°	25.8	28.7	31.5	45.8	48.7
137.5°	28.7	28.7	28.7	43.0	45.8
140°	28.7	28.7	25.8	37.3	40.1
142.5°	25.8	28.7	25.8	34.4	37.3
145°	25.8	28.7	28.7	31.5	34.4
147.5°	28.7	28.7	28.7	28.7	31.5
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	31.5	31.5	31.5	28.7
157.5°	28.7	31.5	31.5	31.5	31.5
160°	28.7	31.5	31.5	31.5	31.5
162.5°	31.5	31.5	31.5	31.5	31.5
165°	31.5	31.5	31.5	31.5	31.5
167.5°	31.5	34.4	31.5	31.5	31.5
170°	31.5	31.5	31.5	28.7	28.7
172.5°	31.5	31.5	31.5	28.7	28.7
175°	31.5	31.5	28.7	25.8	25.8
177.5°	34.4	31.5	28.7	25.8	22.9
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°	14.3	54.4	140.4	169.1	174.8
110°	17.2	45.8	117.5	143.3	149.0



(END OF REPORT)