

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: P830395

Luminaire Tested: **OHBL-36SE-MCL-UNV-L830-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830395  
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-36SE-MCL-UNV-L830-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

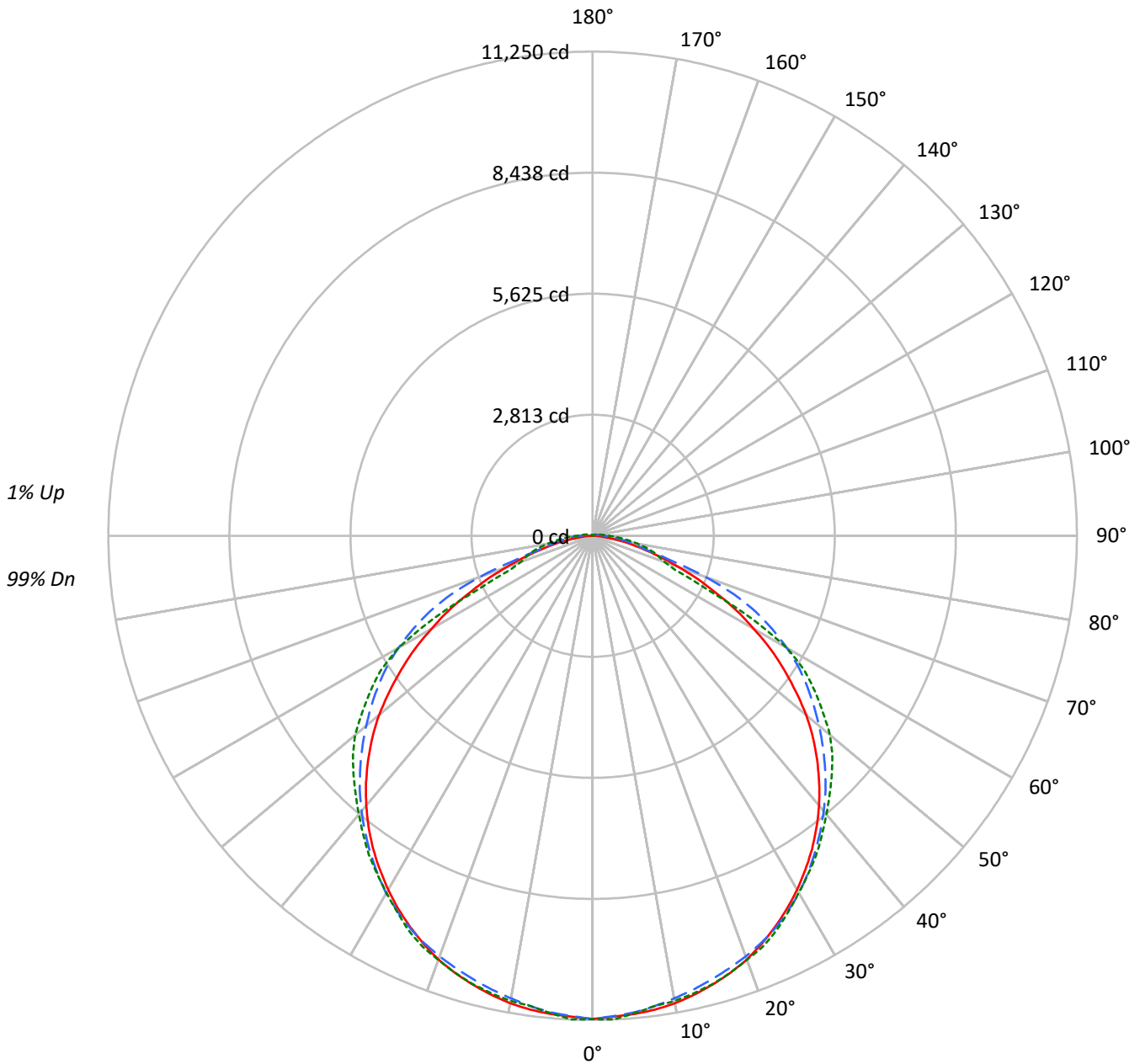
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31734.0 lumens  
Efficiency: N/A  
Efficacy: 150.4 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): 211  
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°	17756	17756	17756
5°	17640	17498	17535
10°	17575	17233	17340
15°	17464	17035	17224
20°	17352	16910	17072
25°	17143	16784	16920
30°	16915	16586	16600
35°	16643	16272	16424
40°	16289	15947	16183
45°	15798	15571	16077
50°	15134	15143	15950
55°	14077	14722	15354
60°	12694	14106	14195
65°	10889	12962	8996
70°	8771	10119	6522
75°	6576	6007	6620
80°	4578	4994	6320
85°	2605	4577	5924



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1058.7	3.3
10°-20°	3035.7	9.6
20°-30°	4636.5	14.6
30°-40°	5625.7	17.7
40°-50°	5896.2	18.6
50°-60°	5342.9	16.8
60°-70°	3582.2	11.3
70°-80°	1608.6	5.1
80°-90°	583.7	1.8
90°-100°	175.7	0.6
100°-110°	82.9	0.3
110°-120°	41.6	0.1
120°-130°	22.9	0.1
130°-140°	15.8	0.0
140°-150°	10.6	0.0
150°-160°	7.9	0.0
160°-170°	5.1	0.0
170°-180°	1.6	0.0
0°-30°	8730.9	27.5
0°-40°	14356.5	45.2
0°-60°	25595.6	80.7
0°-90°	31370.0	98.9
90°-120°	300.1	0.9
90°-150°	349.4	1.1
90°-180°	364.0	1.1
0°-180°	31734.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11228	11228	11228	11228	11228	
5°	11154	11193	11116	11150	11135	###
15°	10792	10750	10674	10768	10781	3047
25°	10026	9982	10052	10145	10116	4622
35°	8887	8908	8999	9094	9059	5554
45°	7375	7495	7635	7830	7854	5681
55°	5427	5688	6076	6320	6305	4844
65°	3185	3684	4182	3529	2882	3174
75°	1253	1818	1338	1368	1458	1370
85°	216	414	531	641	672	263
90°	2	138	274	344	360	13
95°	2	86	188	229	235	2
105°	6	37	92	112	117	7
115°	13	20	47	60	63	12
125°	11	13	29	34	36	11
135°	15	16	18	26	28	12
145°	15	16	16	18	20	10
155°	16	18	18	18	16	7
165°	18	18	18	18	18	5
175°	18	18	16	15	15	2
180°	16	16	16	16	16	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11227.5	11227.5	11227.5	11227.5	11227.5
2.5°	11182.1	11229.1	11170.7	11234.0	11250.2
5°	11154.5	11193.4	11115.5	11149.6	11135.0
7.5°	11104.1	11117.1	11024.6	11052.2	11023.0
10°	11029.5	11023.0	10914.2	10967.8	10974.3
12.5°	10919.1	10899.6	10802.2	10883.4	10885.0
15°	10792.4	10750.2	10673.9	10768.1	10781.1
17.5°	10646.3	10591.1	10540.8	10662.6	10643.1
20°	10475.9	10410.9	10401.2	10534.3	10485.6
22.5°	10264.8	10214.5	10237.2	10363.9	10333.0
25°	10026.2	9982.4	10052.2	10144.7	10115.5
27.5°	9774.6	9748.6	9828.1	9899.6	9842.7
30°	9498.6	9484.0	9589.5	9647.9	9576.5
32.5°	9198.3	9203.1	9303.8	9383.3	9316.8
35°	8886.6	8907.7	8998.6	9094.4	9058.6
37.5°	8544.0	8591.1	8682.0	8790.8	8753.4
40°	8182.0	8250.2	8350.8	8482.3	8448.2
42.5°	7790.8	7876.8	8006.7	8152.8	8149.5
45°	7375.2	7495.3	7634.9	7829.7	7854.1
47.5°	6943.3	7078.1	7255.0	7514.8	7552.1
50°	6474.2	6643.0	6863.8	7175.5	7198.2
52.5°	5951.4	6182.0	6474.2	6772.9	6745.3
55°	5427.1	5688.4	6076.4	6319.9	6305.3
57.5°	4904.3	5198.2	5669.0	5842.7	5841.0
60°	4319.9	4691.7	5206.3	5337.8	5207.9
62.5°	3779.3	4178.7	4712.8	4617.0	4172.2
65°	3185.1	3683.5	4181.9	3529.3	2881.6
67.5°	2657.5	3177.0	3552.0	2417.3	2069.9
70°	2126.7	2699.7	2769.5	1793.9	1769.5
72.5°	1655.9	2266.3	1910.8	1535.7	1613.7
75°	1253.3	1818.2	1337.7	1368.5	1457.8
77.5°	914.0	1396.1	1040.6	1199.7	1272.8
80°	628.3	988.7	849.0	1008.1	1058.5
82.5°	394.5	652.6	680.2	811.7	863.7
85°	215.9	414.0	530.9	641.2	672.1
87.5°	89.3	250.0	405.9	495.1	521.1
90°	1.6	138.0	274.4	344.2	360.4
92.5°	1.6	105.5	224.0	277.6	289.0
95°	1.6	86.0	188.3	228.9	235.4
97.5°	3.2	68.2	157.5	189.9	196.4
100°	4.9	56.8	131.5	159.1	164.0
102.5°	6.5	45.5	110.4	133.1	138.0
105°	6.5	37.3	92.5	112.0	116.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.4	22.7	55.2	69.8	73.1
115°	13.0	19.5	47.1	60.1	63.3
117.5°	13.0	16.2	40.6	50.3	53.6
120°	13.0	14.6	35.7	43.8	45.5
122.5°	13.0	13.0	30.8	39.0	40.6
125°	11.4	13.0	29.2	34.1	35.7
127.5°	13.0	13.0	26.0	30.8	32.5
130°	13.0	14.6	22.7	29.2	29.2
132.5°	14.6	16.2	21.1	27.6	27.6
135°	14.6	16.2	17.9	26.0	27.6
137.5°	16.2	16.2	16.2	24.4	26.0
140°	16.2	16.2	14.6	21.1	22.7
142.5°	14.6	16.2	14.6	19.5	21.1
145°	14.6	16.2	16.2	17.9	19.5
147.5°	16.2	16.2	16.2	16.2	17.9
150°	16.2	16.2	16.2	16.2	16.2
152.5°	16.2	16.2	16.2	16.2	16.2
155°	16.2	17.9	17.9	17.9	16.2
157.5°	16.2	17.9	17.9	17.9	17.9
160°	16.2	17.9	17.9	17.9	17.9
162.5°	17.9	17.9	17.9	17.9	17.9
165°	17.9	17.9	17.9	17.9	17.9
167.5°	17.9	19.5	17.9	17.9	17.9
170°	17.9	17.9	17.9	16.2	16.2
172.5°	17.9	17.9	17.9	16.2	16.2
175°	17.9	17.9	16.2	14.6	14.6
177.5°	19.5	17.9	16.2	14.6	13.0
180°	16.2	16.2	16.2	16.2	16.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	8.1	30.8	79.5	95.8	99.0
110°	9.7	26.0	66.6	81.2	84.4



(END OF REPORT)