

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: P829454

Luminaire Tested: **OHB-36SE-A-UNV-L950-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829454  
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-36SE-A-UNV-L950-CD  
Description: 36000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 5000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

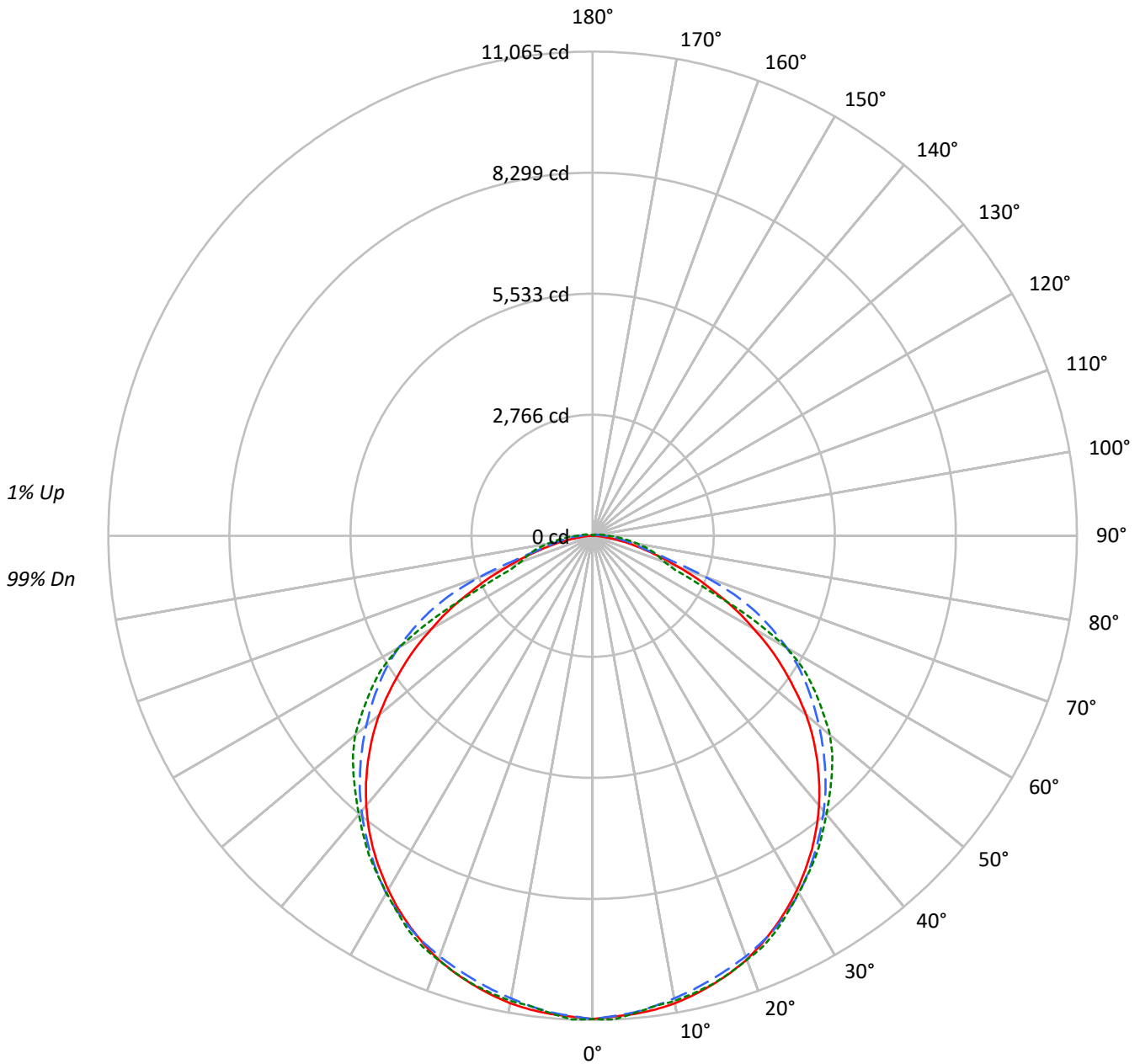
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31212.1 lumens  
Efficiency: N/A  
Efficacy: 138.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 1.93' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 226  
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°	34156	34156	34156
5°	33809	33573	33731
10°	33561	32980	33356
15°	33223	32516	33133
20°	32883	32192	32840
25°	32354	31863	32549
30°	31784	31394	31933
35°	31124	30701	31593
40°	30301	29982	31131
45°	29211	29160	30927
50°	27786	28231	30682
55°	25629	27299	29536
60°	22868	25985	27307
65°	19350	23681	17306
70°	15293	18283	12547
75°	11145	10682	12734
80°	7392	8663	12158
85°	3796	7577	11396



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1041.2	3.3
10°-20°	2985.8	9.6
20°-30°	4560.2	14.6
30°-40°	5533.1	17.7
40°-50°	5799.2	18.6
50°-60°	5255.0	16.8
60°-70°	3523.2	11.3
70°-80°	1582.1	5.1
80°-90°	574.1	1.8
90°-100°	172.8	0.6
100°-110°	81.5	0.3
110°-120°	40.9	0.1
120°-130°	22.5	0.1
130°-140°	15.5	0.0
140°-150°	10.4	0.0
150°-160°	7.8	0.0
160°-170°	5.0	0.0
170°-180°	1.6	0.0
0°-30°	8587.2	27.5
0°-40°	14120.3	45.2
0°-60°	25174.6	80.7
0°-90°	30854.0	98.9
90°-120°	295.2	0.9
90°-150°	343.7	1.1
90°-180°	358.0	1.1
0°-180°	31212.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11043	11043	11043	11043	11043	
5°	10971	11009	10933	10966	10952	###
15°	10615	10573	10498	10591	10604	2997
25°	9861	9818	9887	9978	9949	4545
35°	8740	8761	8851	8945	8910	5463
45°	7254	7372	7509	7701	7725	5588
55°	5338	5595	5976	6216	6202	4765
65°	3133	3623	4113	3471	2834	3121
75°	1233	1788	1316	1346	1434	1347
85°	212	407	522	631	661	259
90°	2	136	270	338	354	13
95°	2	85	185	225	232	2
105°	6	37	91	110	115	7
115°	13	19	46	59	62	12
125°	11	13	29	34	35	11
135°	14	16	18	26	27	11
145°	14	16	16	18	19	10
155°	16	18	18	18	16	7
165°	18	18	18	18	18	5
175°	18	18	16	14	14	2
180°	16	16	16	16	16	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11042.8	11042.8	11042.8	11042.8	<i>11042.8</i>
2.5°	<i>10998.1</i>	<i>11044.4</i>	<i>10986.9</i>	<i>11049.2</i>	<i>11065.2</i>
5°	10971.0	11009.3	10932.7	10966.2	<i>10951.8</i>
7.5°	10921.5	10934.3	10843.2	10870.4	<i>10841.6</i>
10°	10848.0	10841.6	10734.7	10787.4	<i>10793.7</i>
12.5°	10739.5	10720.3	10624.5	10704.3	<i>10705.9</i>
15°	10614.9	10573.4	10498.4	10591.0	<i>10603.7</i>
17.5°	10471.2	10416.9	10367.4	10487.2	<i>10468.0</i>
20°	10303.6	10239.7	10230.1	10361.0	<i>10313.1</i>
22.5°	10096.0	10046.5	10068.8	10193.4	<i>10163.0</i>
25°	9861.3	9818.2	9886.8	9977.8	<i>9949.1</i>
27.5°	9613.8	9588.2	9666.5	9736.7	<i>9680.8</i>
30°	9342.3	9328.0	9431.8	9489.2	<i>9419.0</i>
32.5°	9046.9	9051.7	9150.7	9229.0	<i>9163.5</i>
35°	8740.4	8761.1	8850.6	8944.8	<i>8909.6</i>
37.5°	8403.5	8449.8	8539.2	8646.2	<i>8609.4</i>
40°	8047.4	8114.5	8213.5	8342.8	<i>8309.3</i>
42.5°	7662.6	7747.2	7875.0	8018.7	<i>8015.5</i>
45°	7253.8	7372.0	7509.3	7700.9	<i>7724.9</i>
47.5°	6829.1	6961.6	7135.7	7391.2	<i>7427.9</i>
50°	6367.7	6533.7	6750.9	7057.4	<i>7079.8</i>
52.5°	5853.5	6080.3	6367.7	6661.5	<i>6634.3</i>
55°	5337.8	5594.9	5976.5	6216.0	<i>6201.6</i>
57.5°	4823.7	5112.7	5575.7	5746.6	<i>5745.0</i>
60°	4248.8	4614.5	5120.6	5250.0	<i>5122.2</i>
62.5°	3717.1	4109.9	4635.2	4541.0	<i>4103.5</i>
65°	3132.7	3622.9	4113.1	3471.2	<i>2834.2</i>
67.5°	2613.8	3124.8	3493.6	2377.5	<i>2035.8</i>
70°	2091.7	2655.3	2724.0	1764.4	<i>1740.4</i>
72.5°	1628.6	2229.0	1879.3	1510.5	<i>1587.1</i>
75°	1232.7	1788.3	1315.7	1346.0	<i>1433.8</i>
77.5°	898.9	1373.2	1023.5	1180.0	<i>1251.8</i>
80°	617.9	972.4	835.1	991.6	<i>1041.1</i>
82.5°	388.0	641.9	669.0	798.4	<i>849.4</i>
85°	212.4	407.2	522.1	630.7	<i>661.0</i>
87.5°	87.8	245.9	399.2	487.0	<i>512.5</i>
90°	1.6	135.7	269.8	338.5	<i>354.5</i>
92.5°	1.6	103.8	220.3	273.0	<i>284.2</i>
95°	1.6	84.6	185.2	225.1	<i>231.5</i>
97.5°	3.2	67.1	154.9	186.8	<i>193.2</i>
100°	4.8	55.9	129.3	156.5	<i>161.3</i>
102.5°	6.4	44.7	108.6	130.9	<i>135.7</i>
105°	6.4	36.7	91.0	110.2	<i>115.0</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.2	22.4	54.3	68.7	71.9
115°	12.8	19.2	46.3	59.1	62.3
117.5°	12.8	16.0	39.9	49.5	52.7
120°	12.8	14.4	35.1	43.1	44.7
122.5°	12.8	12.8	30.3	38.3	39.9
125°	11.2	12.8	28.7	33.5	35.1
127.5°	12.8	12.8	25.5	30.3	31.9
130°	12.8	14.4	22.4	28.7	28.7
132.5°	14.4	16.0	20.8	27.1	27.1
135°	14.4	16.0	17.6	25.5	27.1
137.5°	16.0	16.0	16.0	24.0	25.5
140°	16.0	16.0	14.4	20.8	22.4
142.5°	14.4	16.0	14.4	19.2	20.8
145°	14.4	16.0	16.0	17.6	19.2
147.5°	16.0	16.0	16.0	16.0	17.6
150°	16.0	16.0	16.0	16.0	16.0
152.5°	16.0	16.0	16.0	16.0	16.0
155°	16.0	17.6	17.6	17.6	16.0
157.5°	16.0	17.6	17.6	17.6	17.6
160°	16.0	17.6	17.6	17.6	17.6
162.5°	17.6	17.6	17.6	17.6	17.6
165°	17.6	17.6	17.6	17.6	17.6
167.5°	17.6	19.2	17.6	17.6	17.6
170°	17.6	17.6	17.6	16.0	16.0
172.5°	17.6	17.6	17.6	16.0	16.0
175°	17.6	17.6	16.0	14.4	14.4
177.5°	19.2	17.6	16.0	14.4	12.8
180°	16.0	16.0	16.0	16.0	16.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	8.0	30.3	78.2	94.2	97.4
110°	9.6	25.5	65.5	79.8	83.0



(END OF REPORT)