

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: P829495

Luminaire Tested: **OHB-36SE-NL-UNV-L830-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829495  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-36SE-NL-UNV-L830-CD  
Description: 36000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

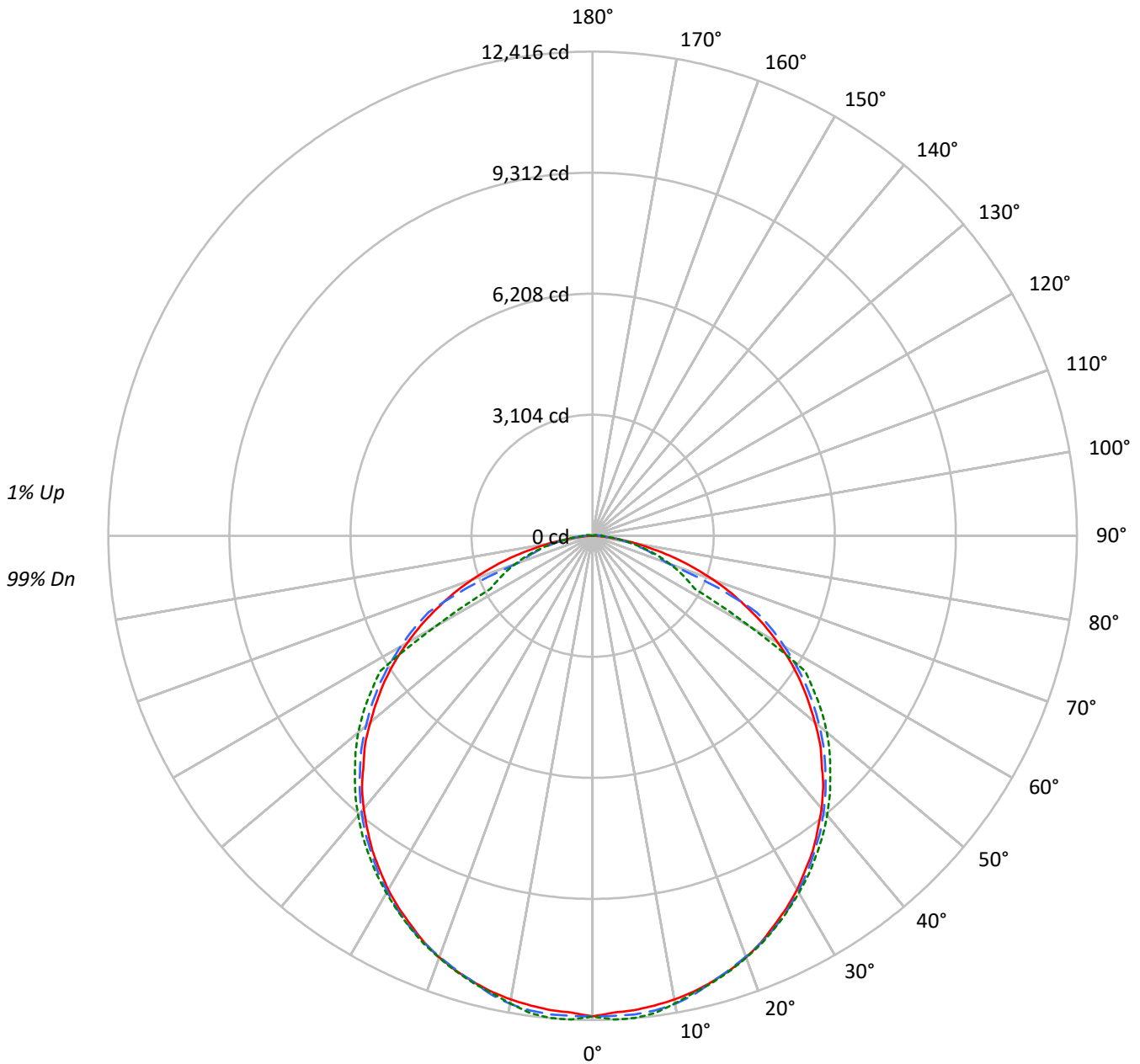
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34605.0 lumens  
Efficiency: N/A  
Efficacy: 153.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.8' x L: 1.93' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 226  
Input Voltage (V): NR  
Input Current (Ain): 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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	38123	38123	38123
5°	37913	38256	38544
10°	37924	38284	38236
15°	37917	37910	37993
20°	37865	37808	37901
25°	37606	37798	37828
30°	37432	37625	37772
35°	37190	37394	37745
40°	36868	37218	37768
45°	36337	36886	37690
50°	35789	36519	37725
55°	35104	36015	37310
60°	33929	35132	29046
65°	32100	33968	19549
70°	29690	18032	18972
75°	25897	17135	18117
80°	19916	15719	16605
85°	10051	15885	16268



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1171.0	3.4
10°-20°	3352.8	9.7
20°-30°	5101.5	14.7
30°-40°	6202.8	17.9
40°-50°	6521.9	18.8
50°-60°	5955.3	17.2
60°-70°	3817.6	11.0
70°-80°	1803.4	5.2
80°-90°	500.1	1.4
90°-100°	132.4	0.4
100°-110°	36.3	0.1
110°-120°	10.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9625.3	27.8
0°-40°	15828.0	45.7
0°-60°	28305.2	81.8
0°-90°	34426.3	99.5
90°-120°	178.8	0.5
90°-150°	178.8	0.5
90°-180°	179.0	0.5
0°-180°	34605.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12325	12325	12325	12325	12325	
5°	12211	12258	12321	12388	12414	###
15°	11841	11930	11839	11856	11865	3343
25°	11019	11036	11075	11093	11084	5085
35°	9849	9791	9903	10024	9996	6155
45°	8307	8292	8432	8631	8616	6421
55°	6510	6460	6678	6901	6919	5806
65°	4386	4386	4641	2662	2671	4348
75°	2167	2208	1434	1510	1516	2284
85°	283	359	448	484	458	419
90°	0	121	199	236	232	12
95°	6	63	143	193	193	4
105°	11	24	35	35	32	11
115°	11	15	22	15	2	8
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: OHB-36SE-NL-UNV-L830-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	12325.4	12325.4	12325.4	12325.4	12325.4
2.5°	12238.9	12280.1	12325.4	12383.8	12416.1
5°	12210.7	12258.3	12321.1	12388.1	12414.0
7.5°	12150.2	12217.1	12277.8	12325.4	12340.5
10°	12074.5	12154.6	12189.2	12184.8	12174.1
12.5°	11972.8	12057.3	12046.5	11996.6	12005.3
15°	11840.9	11929.5	11838.8	11856.0	11864.7
17.5°	11685.2	11771.8	11665.7	11700.3	11702.6
20°	11503.6	11568.4	11486.2	11514.4	11514.4
22.5°	11285.2	11330.5	11295.9	11315.4	11319.8
25°	11019.1	11036.3	11075.2	11092.6	11083.9
27.5°	10764.0	10742.3	10818.1	10859.1	10837.3
30°	10480.6	10446.0	10534.6	10601.7	10575.8
32.5°	10156.1	10134.6	10236.3	10316.2	10301.1
35°	9849.1	9790.7	9903.1	10024.2	9996.1
37.5°	9485.7	9451.1	9578.6	9706.4	9691.3
40°	9131.0	9072.6	9217.6	9368.9	9353.8
42.5°	8750.4	8681.1	8839.1	9020.9	9003.5
45°	8306.9	8291.8	8432.4	8631.4	8616.3
47.5°	7913.6	7837.8	8034.4	8227.0	8244.4
50°	7437.5	7409.6	7589.1	7822.6	7839.8
52.5°	6972.7	6953.2	7141.2	7377.1	7407.3
55°	6509.7	6460.0	6678.5	6901.3	6918.7
57.5°	6014.7	5962.7	6185.5	6427.7	6464.4
60°	5484.6	5434.9	5679.2	5904.3	4695.3
62.5°	4954.8	4920.2	5175.5	3665.9	2954.4
65°	4386.0	4386.0	4641.1	2662.3	2671.0
67.5°	3854.1	3819.5	3460.5	2391.9	2391.9
70°	3283.0	3296.1	1993.9	2095.8	2097.9
72.5°	2709.9	2757.5	1721.7	1803.6	1808.0
75°	2167.0	2208.2	1433.8	1509.6	1516.0
77.5°	1591.8	1224.1	1152.7	1211.3	1213.3
80°	1118.1	772.1	882.5	938.6	932.2
82.5°	653.0	540.6	646.6	687.8	685.5
85°	283.2	359.0	447.6	484.5	458.4
87.5°	90.7	222.8	278.9	300.6	298.4
90°	0.0	121.1	199.0	235.6	231.5
92.5°	0.0	95.0	173.1	216.4	218.4
95°	6.4	62.7	142.9	192.6	192.6
97.5°	4.4	45.3	101.7	151.4	155.7
100°	4.4	36.6	67.1	108.1	110.4
102.5°	10.8	30.2	41.0	69.1	71.4
105°	10.8	23.8	34.6	34.6	32.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	13.1	17.4	23.8	17.4	2.1
115°	10.8	15.1	21.5	15.1	2.1
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	10.8	21.5	30.2	19.5	6.4
110°	13.1	19.5	25.9	17.4	2.1



(END OF REPORT)