

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: P828803

Luminaire Tested: **OHB-12SE-A-UNV-L930-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828803  
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-12SE-A-UNV-L930-CD  
Description: 12000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

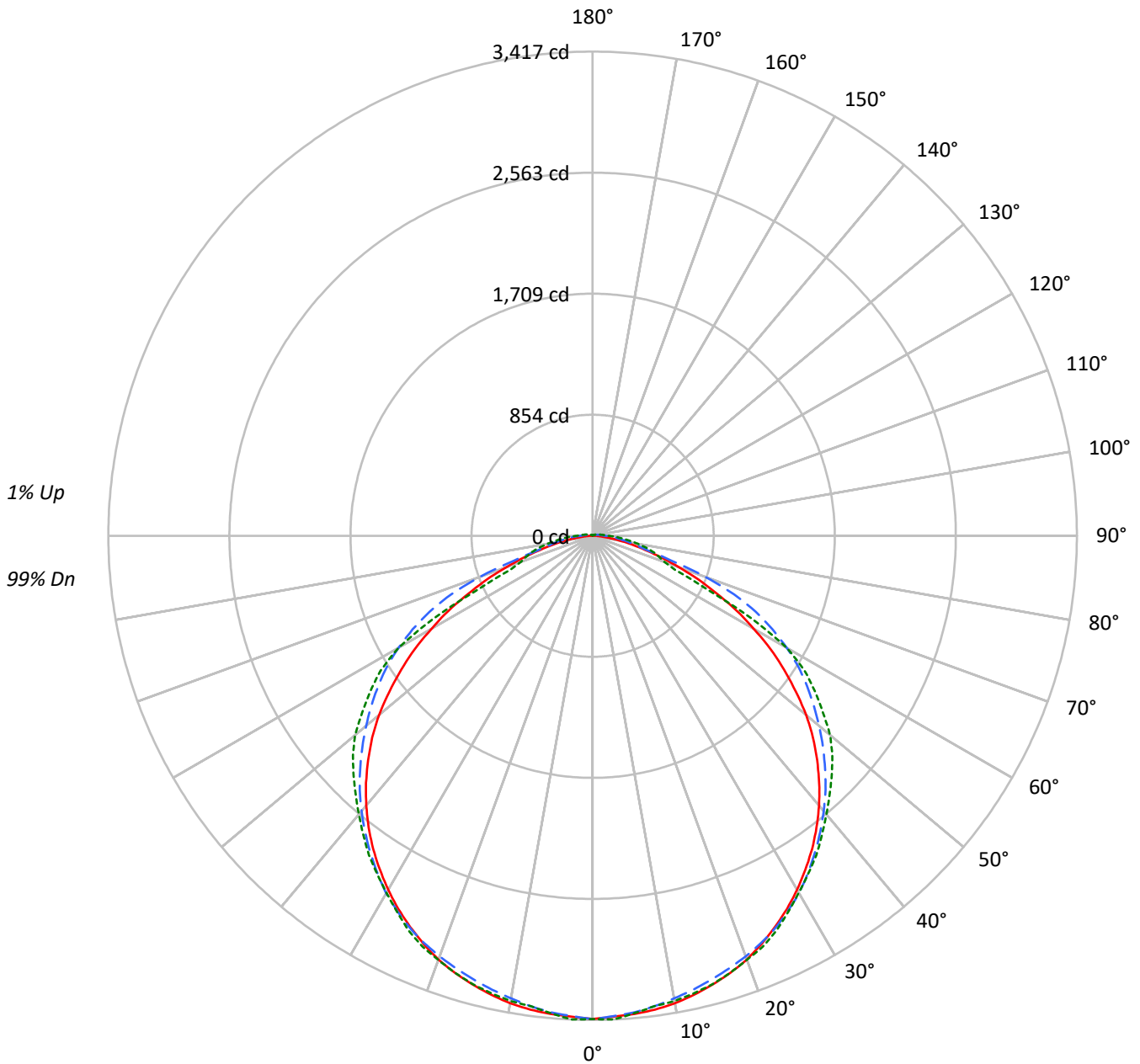
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9638.9 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 76  
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°	21699	21699	21699
5°	21478	21202	21249
10°	21321	20705	20837
15°	21106	20293	20524
20°	20891	19970	20167
25°	20554	19644	19811
30°	20192	19228	19254
35°	19773	18673	18857
40°	19250	18097	18377
45°	18558	17453	18032
50°	17652	16735	17638
55°	16281	16003	16702
60°	14528	15030	15136
65°	12293	13471	9356
70°	9716	10178	6564
75°	7081	5773	6362
80°	4695	4479	5662
85°	2412	3636	4689



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.6	3.3
10°-20°	922.1	9.6
20°-30°	1408.3	14.6
30°-40°	1708.8	17.7
40°-50°	1790.9	18.6
50°-60°	1622.9	16.8
60°-70°	1088.1	11.3
70°-80°	488.6	5.1
80°-90°	177.3	1.8
90°-100°	53.4	0.6
100°-110°	25.2	0.3
110°-120°	12.6	0.1
120°-130°	7.0	0.1
130°-140°	4.8	0.0
140°-150°	3.2	0.0
150°-160°	2.4	0.0
160°-170°	1.5	0.0
170°-180°	0.5	0.0
0°-30°	2651.9	27.5
0°-40°	4360.7	45.2
0°-60°	7774.5	80.7
0°-90°	9528.4	98.9
90°-120°	91.2	0.9
90°-150°	106.1	1.1
90°-180°	110.0	1.1
0°-180°	9638.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3410	3410	3410	3410	3410	
5°	3388	3400	3376	3387	3382	322
15°	3278	3265	3242	3271	3275	926
25°	3045	3032	3053	3081	3072	1404
35°	2699	2706	2733	2762	2752	1687
45°	2240	2277	2319	2378	2386	1726
55°	1648	1728	1846	1920	1915	1471
65°	968	1119	1270	1072	875	964
75°	381	552	406	416	443	416
85°	66	126	161	195	204	80
90°	0	42	83	104	110	4
95°	0	26	57	70	72	1
105°	2	11	28	34	36	2
115°	4	6	14	18	19	4
125°	4	4	9	10	11	3
135°	4	5	5	8	8	3
145°	4	5	5	5	6	3
155°	5	5	5	5	5	2
165°	5	5	5	5	5	2
175°	5	5	5	4	4	1
180°	5	5	5	5	5	



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CATALOG NUMBER: OHB-12SE-A-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3410.3	3410.3	3410.3	3410.3	3410.3
2.5°	3396.5	3410.8	3393.0	3412.3	3417.2
5°	3388.1	3399.9	3376.3	3386.6	3382.2
7.5°	3372.8	3376.8	3348.6	3357.0	3348.2
10°	3350.1	3348.2	3315.1	3331.4	3333.4
12.5°	3316.6	3310.7	3281.1	3305.7	3306.2
15°	3278.1	3265.3	3242.1	3270.7	3274.7
17.5°	3233.8	3217.0	3201.7	3238.7	3232.8
20°	3182.0	3162.3	3159.3	3199.7	3184.9
22.5°	3117.9	3102.6	3109.5	3148.0	3138.6
25°	3045.4	3032.1	3053.3	3081.4	3072.5
27.5°	2969.0	2961.1	2985.2	3006.9	2989.7
30°	2885.1	2880.7	2912.7	2930.5	2908.8
32.5°	2793.9	2795.4	2826.0	2850.1	2829.9
35°	2699.2	2705.6	2733.3	2762.4	2751.5
37.5°	2595.2	2609.5	2637.1	2670.1	2658.8
40°	2485.2	2505.9	2536.5	2576.5	2566.1
42.5°	2366.4	2392.5	2432.0	2476.4	2475.4
45°	2240.2	2276.6	2319.1	2378.2	2385.6
47.5°	2109.0	2149.9	2203.7	2282.6	2293.9
50°	1966.5	2017.8	2084.8	2179.5	2186.4
52.5°	1807.7	1877.7	1966.5	2057.2	2048.8
55°	1648.4	1727.8	1845.7	1919.6	1915.2
57.5°	1489.7	1578.9	1721.9	1774.7	1774.2
60°	1312.1	1425.1	1581.4	1621.3	1581.9
62.5°	1147.9	1269.2	1431.5	1402.4	1267.3
65°	967.5	1118.8	1270.2	1072.0	875.3
67.5°	807.2	965.0	1078.9	734.2	628.7
70°	646.0	820.0	841.2	544.9	537.5
72.5°	503.0	688.4	580.4	466.5	490.1
75°	380.7	552.3	406.3	415.7	442.8
77.5°	277.6	424.1	316.1	364.4	386.6
80°	190.8	300.3	257.9	306.2	321.5
82.5°	119.8	198.2	206.6	246.6	262.3
85°	65.6	125.7	161.2	194.8	204.1
87.5°	27.1	75.9	123.3	150.4	158.3
90°	0.5	41.9	83.3	104.5	109.5
92.5°	0.5	32.1	68.0	84.3	87.8
95°	0.5	26.1	57.2	69.5	71.5
97.5°	1.0	20.7	47.8	57.7	59.7
100°	1.5	17.3	39.9	48.3	49.8
102.5°	2.0	13.8	33.5	40.4	41.9
105°	2.0	11.3	28.1	34.0	35.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	6.9	16.8	21.2	22.2
115°	3.9	5.9	14.3	18.2	19.2
117.5°	3.9	4.9	12.3	15.3	16.3
120°	3.9	4.4	10.8	13.3	13.8
122.5°	3.9	3.9	9.4	11.8	12.3
125°	3.5	3.9	8.9	10.4	10.8
127.5°	3.9	3.9	7.9	9.4	9.9
130°	3.9	4.4	6.9	8.9	8.9
132.5°	4.4	4.9	6.4	8.4	8.4
135°	4.4	4.9	5.4	7.9	8.4
137.5°	4.9	4.9	4.9	7.4	7.9
140°	4.9	4.9	4.4	6.4	6.9
142.5°	4.4	4.9	4.4	5.9	6.4
145°	4.4	4.9	4.9	5.4	5.9
147.5°	4.9	4.9	4.9	4.9	5.4
150°	4.9	4.9	4.9	4.9	4.9
152.5°	4.9	4.9	4.9	4.9	4.9
155°	4.9	5.4	5.4	5.4	4.9
157.5°	4.9	5.4	5.4	5.4	5.4
160°	4.9	5.4	5.4	5.4	5.4
162.5°	5.4	5.4	5.4	5.4	5.4
165°	5.4	5.4	5.4	5.4	5.4
167.5°	5.4	5.9	5.4	5.4	5.4
170°	5.4	5.4	5.4	4.9	4.9
172.5°	5.4	5.4	5.4	4.9	4.9
175°	5.4	5.4	4.9	4.4	4.4
177.5°	5.9	5.4	4.9	4.4	3.9
180°	4.9	4.9	4.9	4.9	4.9



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	2.5	9.4	24.2	29.1	30.1
110°	3.0	7.9	20.2	24.7	25.6



(END OF REPORT)