

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: P830245

Luminaire Tested: **OHBL-30SE-A-UNV-L940-CD**

Issue Date: 5/3/2024



**Test Information**

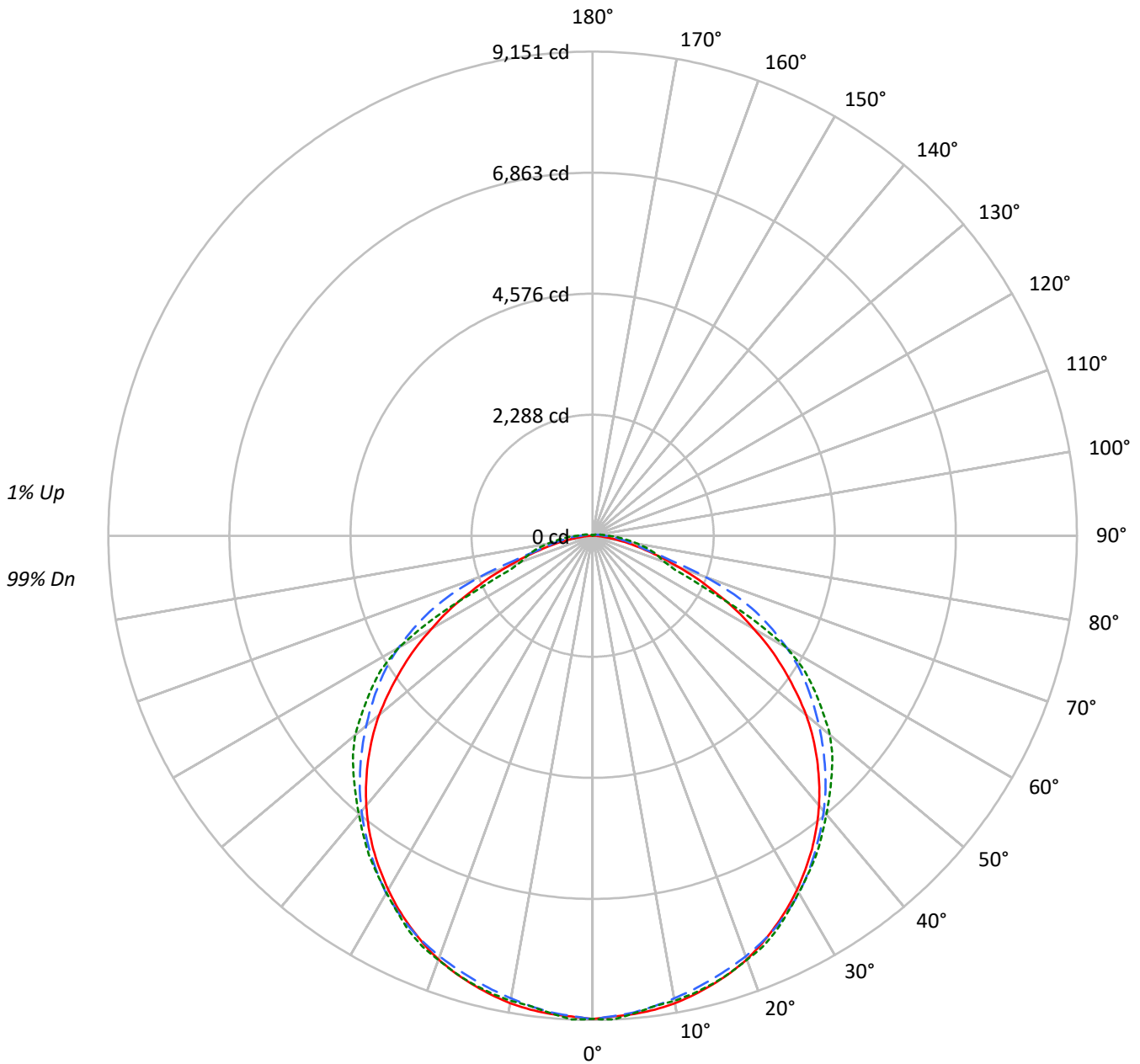
Test Method: LM-79-08  
Report Number: P830245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-A-UNV-L940-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25812.0 lumens  
Efficiency: N/A  
Efficacy: 148.3 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): 174  
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°	15598	15598	15598
5°	15496	15364	15394
10°	15439	15125	15213
15°	15341	14944	15101
20°	15243	14827	14958
25°	15059	14710	14815
30°	14859	14529	14524
35°	14620	14245	14358
40°	14309	13952	14135
45°	13878	13613	14028
50°	13294	13228	13900
55°	12366	12848	13363
60°	11151	12296	12333
65°	9566	11282	7799
70°	7705	8789	5638
75°	5777	5202	5698
80°	4021	4305	5403
85°	2288	3909	4999



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	861.1	3.3
10°-20°	2469.2	9.6
20°-30°	3771.3	14.6
30°-40°	4575.8	17.7
40°-50°	4795.9	18.6
50°-60°	4345.8	16.8
60°-70°	2913.7	11.3
70°-80°	1308.4	5.1
80°-90°	474.8	1.8
90°-100°	142.9	0.6
100°-110°	67.4	0.3
110°-120°	33.8	0.1
120°-130°	18.7	0.1
130°-140°	12.8	0.0
140°-150°	8.6	0.0
150°-160°	6.4	0.0
160°-170°	4.1	0.0
170°-180°	1.3	0.0
0°-30°	7101.6	27.5
0°-40°	11677.4	45.2
0°-60°	20819.1	80.7
0°-90°	25515.9	98.9
90°-120°	244.2	0.9
90°-150°	284.2	1.1
90°-180°	296.0	1.1
0°-180°	25812.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9132	9132	9132	9132	9132	
5°	9073	9105	9041	9069	9057	863
15°	8778	8744	8682	8759	8769	2479
25°	8155	8120	8176	8252	8228	3759
35°	7228	7245	7319	7397	7368	4518
45°	5999	6097	6210	6369	6388	4621
55°	4414	4627	4942	5141	5129	3940
65°	2591	2996	3402	2871	2344	2581
75°	1019	1479	1088	1113	1186	1114
85°	176	337	432	522	547	214
90°	1	112	223	280	293	10
95°	1	70	153	186	192	2
105°	5	30	75	91	95	6
115°	11	16	38	49	52	10
125°	9	11	24	28	29	9
135°	12	13	14	21	22	9
145°	12	13	13	14	16	8
155°	13	14	14	14	13	6
165°	14	14	14	14	14	4
175°	14	14	13	12	12	1
180°	13	13	13	13	13	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9132.3	9132.3	9132.3	9132.3	9132.3
2.5°	9095.3	9133.6	9086.1	9137.6	9150.8
5°	9072.9	9104.6	9041.2	9068.9	9057.0
7.5°	9032.0	9042.5	8967.2	8989.7	8965.9
10°	8971.2	8965.9	8877.5	8921.0	8926.3
12.5°	8881.4	8865.6	8786.3	8852.4	8853.7
15°	8778.4	8744.1	8682.0	8758.6	8769.2
17.5°	8659.6	8614.7	8573.8	8672.8	8656.9
20°	8520.9	8468.1	8460.2	8568.5	8528.9
22.5°	8349.3	8308.3	8326.8	8429.8	8404.7
25°	8155.2	8119.5	8176.3	8251.6	8227.8
27.5°	7950.5	7929.4	7994.1	8052.2	8006.0
30°	7726.0	7714.1	7800.0	7847.5	7789.4
32.5°	7481.7	7485.7	7567.6	7632.3	7578.1
35°	7228.2	7245.4	7319.3	7397.2	7368.2
37.5°	6949.6	6987.9	7061.8	7150.3	7119.9
40°	6655.1	6710.6	6792.5	6899.4	6871.7
42.5°	6336.9	6406.9	6512.5	6631.4	6628.7
45°	5998.9	6096.6	6210.1	6368.6	6388.4
47.5°	5647.6	5757.2	5901.1	6112.4	6142.8
50°	5266.0	5403.3	5582.9	5836.4	5854.9
52.5°	4840.8	5028.3	5266.0	5509.0	5486.5
55°	4414.3	4626.9	4942.5	5140.6	5128.7
57.5°	3989.1	4228.1	4611.0	4752.3	4751.0
60°	3513.7	3816.1	4234.7	4341.7	4236.0
62.5°	3074.0	3398.9	3833.3	3755.4	3393.6
65°	2590.7	2996.1	3401.5	2870.7	2343.8
67.5°	2161.6	2584.1	2889.2	1966.2	1683.6
70°	1729.8	2195.9	2252.7	1459.1	1439.3
72.5°	1346.9	1843.4	1554.2	1249.2	1312.5
75°	1019.4	1478.9	1088.1	1113.1	1185.8
77.5°	743.4	1135.6	846.4	975.8	1035.2
80°	511.0	804.2	690.6	820.0	860.9
82.5°	320.9	530.8	553.3	660.2	702.5
85°	175.6	336.7	431.8	521.6	546.7
87.5°	72.6	203.4	330.1	402.7	423.9
90°	1.3	112.2	223.2	279.9	293.1
92.5°	1.3	85.8	182.2	225.8	235.0
95°	1.3	70.0	153.2	186.2	191.5
97.5°	2.6	55.5	128.1	154.5	159.8
100°	4.0	46.2	107.0	129.4	133.4
102.5°	5.3	37.0	89.8	108.3	112.2
105°	5.3	30.4	75.3	91.1	95.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	9.2	18.5	44.9	56.8	59.4
115°	10.6	15.8	38.3	48.9	51.5
117.5°	10.6	13.2	33.0	40.9	43.6
120°	10.6	11.9	29.1	35.7	37.0
122.5°	10.6	10.6	25.1	31.7	33.0
125°	9.2	10.6	23.8	27.7	29.1
127.5°	10.6	10.6	21.1	25.1	26.4
130°	10.6	11.9	18.5	23.8	23.8
132.5°	11.9	13.2	17.2	22.4	22.4
135°	11.9	13.2	14.5	21.1	22.4
137.5°	13.2	13.2	13.2	19.8	21.1
140°	13.2	13.2	11.9	17.2	18.5
142.5°	11.9	13.2	11.9	15.8	17.2
145°	11.9	13.2	13.2	14.5	15.8
147.5°	13.2	13.2	13.2	13.2	14.5
150°	13.2	13.2	13.2	13.2	13.2
152.5°	13.2	13.2	13.2	13.2	13.2
155°	13.2	14.5	14.5	14.5	13.2
157.5°	13.2	14.5	14.5	14.5	14.5
160°	13.2	14.5	14.5	14.5	14.5
162.5°	14.5	14.5	14.5	14.5	14.5
165°	14.5	14.5	14.5	14.5	14.5
167.5°	14.5	15.8	14.5	14.5	14.5
170°	14.5	14.5	14.5	13.2	13.2
172.5°	14.5	14.5	14.5	13.2	13.2
175°	14.5	14.5	13.2	11.9	11.9
177.5°	15.8	14.5	13.2	11.9	10.6
180°	13.2	13.2	13.2	13.2	13.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	6.6	25.1	64.7	77.9	80.5
110°	7.9	21.1	54.1	66.0	68.7



(END OF REPORT)