

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: P830163

Luminaire Tested: **OHBL-30HE-A-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830163  
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-30HE-A-UNV-L730-CD  
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

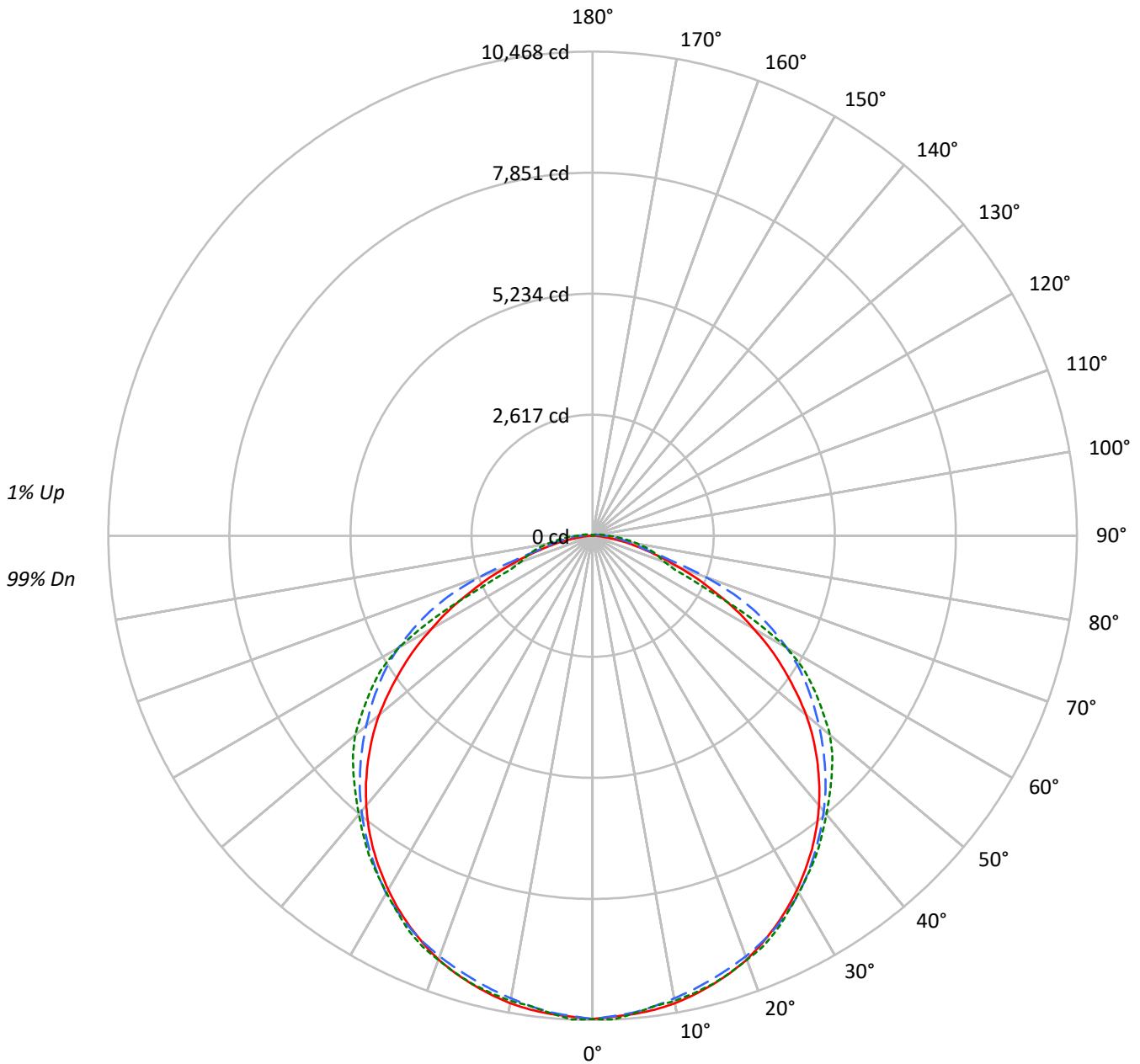
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29528.0 lumens  
Efficiency: N/A  
Efficacy: 180.3 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): 163.8  
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

TEST NUMBER: P830163

CATALOG NUMBER: OHBL-30HE-A-UNV-L730-CD

### 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°	16522	16522	16522
5°	16414	16282	16316
10°	16353	16035	16135
15°	16250	15851	16027
20°	16146	15735	15885
25°	15951	15617	15744
30°	15739	15433	15446
35°	15486	15140	15282
40°	15157	14838	15059
45°	14700	14488	14959
50°	14081	14090	14841
55°	13099	13698	14287
60°	11812	13125	13209
65°	10132	12061	8371
70°	8161	9415	6069
75°	6119	5589	6160
80°	4259	4647	5881
85°	2424	4259	5513



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	985.1	3.3
10°-20°	2824.7	9.6
20°-30°	4314.2	14.6
30°-40°	5234.6	17.7
40°-50°	5486.3	18.6
50°-60°	4971.4	16.8
60°-70°	3333.2	11.3
70°-80°	1496.7	5.1
80°-90°	543.1	1.8
90°-100°	163.5	0.6
100°-110°	77.1	0.3
110°-120°	38.7	0.1
120°-130°	21.3	0.1
130°-140°	14.7	0.0
140°-150°	9.9	0.0
150°-160°	7.3	0.0
160°-170°	4.7	0.0
170°-180°	1.5	0.0
0°-30°	8123.9	27.5
0°-40°	13358.5	45.2
0°-60°	23816.3	80.7
0°-90°	29189.3	98.9
90°-120°	279.3	0.9
90°-150°	325.1	1.1
90°-180°	339.0	1.1
0°-180°	29528.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10447	10447	10447	10447	10447	
5°	10379	10415	10343	10374	10361	987
15°	10042	10003	9932	10020	10032	2835
25°	9329	9288	9353	9440	9412	4300
35°	8269	8288	8373	8462	8429	5168
45°	6862	6974	7104	7285	7308	5286
55°	5050	5293	5654	5881	5867	4508
65°	2964	3428	3891	3284	2681	2953
75°	1166	1692	1245	1273	1356	1274
85°	201	385	494	597	625	245
90°	2	128	255	320	335	12
95°	2	80	175	213	219	2
105°	6	35	86	104	109	7
115°	12	18	44	56	59	11
125°	11	12	27	32	33	11
135°	14	15	17	24	26	11
145°	14	15	15	17	18	9
155°	15	17	17	17	15	7
165°	17	17	17	17	17	5
175°	17	17	15	14	14	2
180°	15	15	15	15	15	



TEST NUMBER: P830163

CATALOG NUMBER: OHBL-30HE-A-UNV-L730-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10447.0	10447.0	10447.0	10447.0	10447.0
2.5°	10404.7	10448.5	10394.2	10453.1	10468.2
5°	10379.1	10415.3	10342.8	10374.5	10360.9
7.5°	10332.2	10344.3	10258.2	10283.9	10256.7
10°	10262.7	10256.7	10155.5	10205.3	10211.4
12.5°	10160.0	10141.9	10051.3	10126.8	10128.3
15°	10042.2	10002.9	9931.9	10019.5	10031.6
17.5°	9906.3	9854.9	9808.1	9921.4	9903.2
20°	9747.6	9687.2	9678.2	9802.0	9756.7
22.5°	9551.3	9504.4	9525.6	9643.4	9614.7
25°	9329.2	9288.4	9353.4	9439.5	9412.3
27.5°	9095.1	9070.9	9144.9	9211.4	9158.5
30°	8838.3	8824.7	8922.9	8977.3	8910.8
32.5°	8558.8	8563.4	8657.0	8731.0	8669.1
35°	8268.8	8288.4	8373.0	8462.2	8428.9
37.5°	7950.1	7993.9	8078.5	8179.7	8144.9
40°	7613.2	7676.7	7770.3	7892.7	7861.0
42.5°	7249.2	7329.2	7450.1	7586.0	7583.0
45°	6862.5	6974.3	7104.2	7285.4	7308.1
47.5°	6460.7	6586.0	6750.7	6992.4	7027.1
50°	6024.1	6181.2	6386.6	6676.7	6697.8
52.5°	5537.7	5752.2	6024.1	6302.1	6276.4
55°	5049.8	5293.0	5654.0	5880.6	5867.0
57.5°	4563.4	4836.8	5274.9	5436.5	5435.0
60°	4019.6	4365.5	4844.4	4966.7	4845.9
62.5°	3516.6	3888.2	4385.2	4296.0	3882.1
65°	2963.7	3427.5	3891.2	3284.0	2681.2
67.5°	2472.8	2956.2	3305.1	2249.2	1926.0
70°	1978.8	2512.1	2577.0	1669.2	1646.5
72.5°	1540.8	2108.7	1777.9	1429.0	1501.5
75°	1166.2	1691.8	1244.7	1273.4	1356.5
77.5°	850.4	1299.1	968.3	1116.3	1184.3
80°	584.6	919.9	790.0	938.1	984.9
82.5°	367.1	607.2	632.9	755.3	803.6
85°	200.9	385.2	494.0	596.7	625.4
87.5°	83.1	232.6	377.6	460.7	484.9
90°	1.5	128.4	255.3	320.2	335.3
92.5°	1.5	98.2	208.5	258.3	268.9
95°	1.5	80.1	175.2	213.0	219.0
97.5°	3.0	63.4	146.5	176.7	182.8
100°	4.5	52.9	122.4	148.0	152.6
102.5°	6.0	42.3	102.7	123.9	128.4
105°	6.0	34.7	86.1	104.2	108.8



TEST NUMBER: P830163

CATALOG NUMBER: OHBL-30HE-A-UNV-L730-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.6	21.1	51.4	65.0	68.0
115°	12.1	18.1	43.8	55.9	58.9
117.5°	12.1	15.1	37.8	46.8	49.8
120°	12.1	13.6	33.2	40.8	42.3
122.5°	12.1	12.1	28.7	36.3	37.8
125°	10.6	12.1	27.2	31.7	33.2
127.5°	12.1	12.1	24.2	28.7	30.2
130°	12.1	13.6	21.1	27.2	27.2
132.5°	13.6	15.1	19.6	25.7	25.7
135°	13.6	15.1	16.6	24.2	25.7
137.5°	15.1	15.1	15.1	22.7	24.2
140°	15.1	15.1	13.6	19.6	21.1
142.5°	13.6	15.1	13.6	18.1	19.6
145°	13.6	15.1	15.1	16.6	18.1
147.5°	15.1	15.1	15.1	15.1	16.6
150°	15.1	15.1	15.1	15.1	15.1
152.5°	15.1	15.1	15.1	15.1	15.1
155°	15.1	16.6	16.6	16.6	15.1
157.5°	15.1	16.6	16.6	16.6	16.6
160°	15.1	16.6	16.6	16.6	16.6
162.5°	16.6	16.6	16.6	16.6	16.6
165°	16.6	16.6	16.6	16.6	16.6
167.5°	16.6	18.1	16.6	16.6	16.6
170°	16.6	16.6	16.6	15.1	15.1
172.5°	16.6	16.6	16.6	15.1	15.1
175°	16.6	16.6	15.1	13.6	13.6
177.5°	18.1	16.6	15.1	13.6	12.1
180°	15.1	15.1	15.1	15.1	15.1



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	7.6	28.7	74.0	89.1	92.1
110°	9.1	24.2	61.9	75.5	78.5



(END OF REPORT)