

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: P829371

Luminaire Tested: **OHB-30SE-A-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829371  
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-30SE-A-UNV-L730-CD  
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

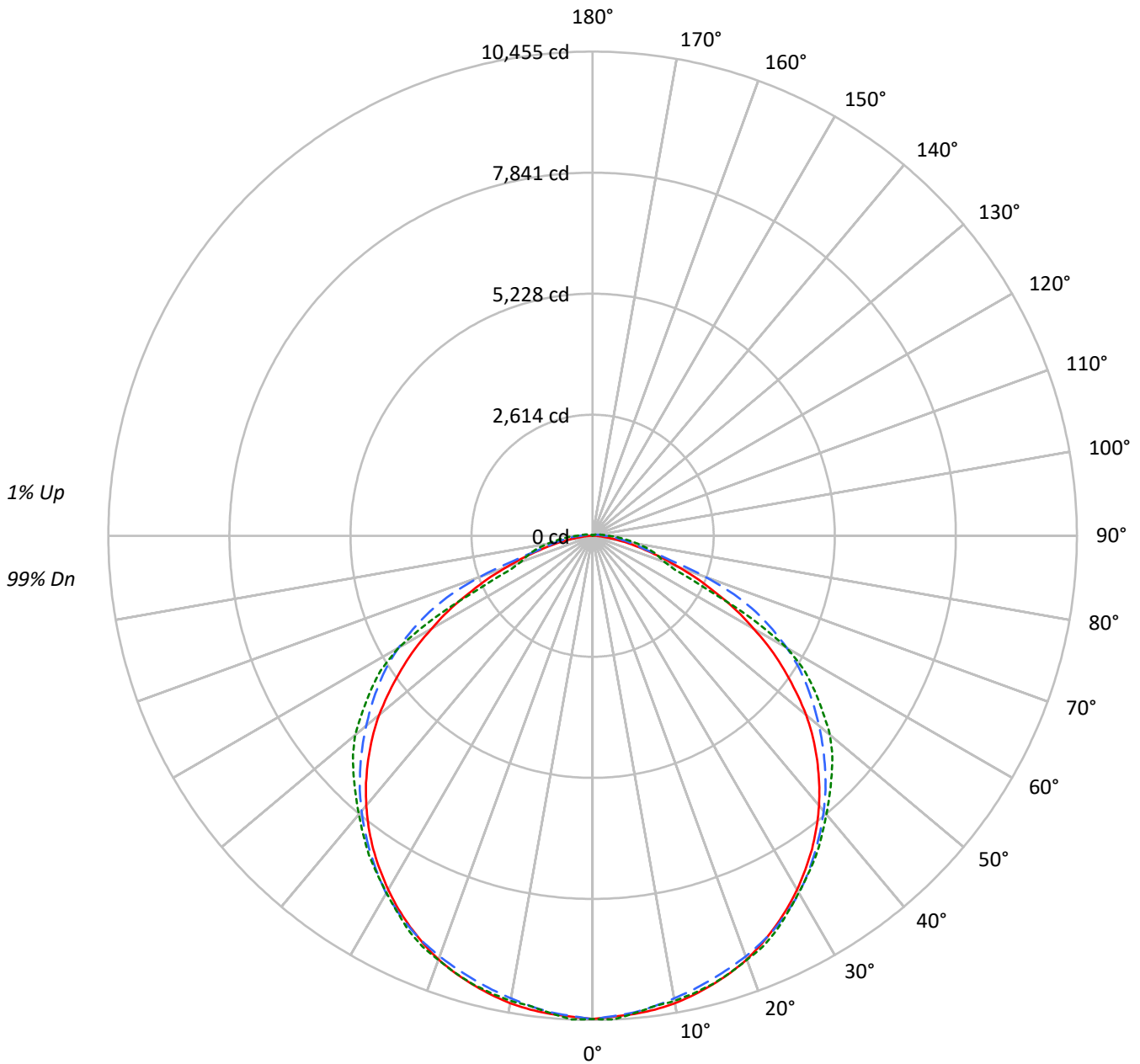
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29491.0 lumens  
Efficiency: N/A  
Efficacy: 162.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 181  
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: P829371

CATALOG NUMBER: OHB-30SE-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°	34855	34855	34855
5°	34500	34244	34398
10°	34248	33624	33995
15°	33903	33136	33745
20°	33555	32790	33424
25°	33015	32440	33105
30°	32435	31946	32454
35°	31760	31223	32083
40°	30921	30474	31586
45°	29809	29619	31346
50°	28354	28652	31062
55°	26153	27681	29861
60°	23337	26321	27560
65°	19746	23954	17429
70°	15606	18459	12599
75°	11373	10757	12733
80°	7544	8689	12075
85°	3874	7547	11170



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	983.8	3.3
10°-20°	2821.1	9.6
20°-30°	4308.8	14.6
30°-40°	5228.0	17.7
40°-50°	5479.5	18.6
50°-60°	4965.2	16.8
60°-70°	3329.0	11.3
70°-80°	1494.9	5.1
80°-90°	542.5	1.8
90°-100°	163.3	0.6
100°-110°	77.0	0.3
110°-120°	38.6	0.1
120°-130°	21.3	0.1
130°-140°	14.6	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°	8113.7	27.5
0°-40°	13341.8	45.2
0°-60°	23786.4	80.7
0°-90°	29152.8	98.9
90°-120°	278.9	0.9
90°-150°	324.7	1.1
90°-180°	338.0	1.1
0°-180°	29491.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10434	10434	10434	10434	10434	
5°	10366	10402	10330	10362	10348	986
15°	10030	9990	9920	10007	10019	2832
25°	9318	9277	9342	9428	9400	4295
35°	8258	8278	8362	8452	8418	5162
45°	6854	6966	7095	7276	7299	5280
55°	5044	5286	5647	5873	5860	4502
65°	2960	3423	3886	3280	2678	2949
75°	1165	1690	1243	1272	1355	1273
85°	201	385	493	596	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: P829371

CATALOG NUMBER: OHB-30SE-A-UNV-L730-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10433.9	10433.9	10433.9	10433.9	10433.9
2.5°	10391.7	10435.4	10381.1	10440.0	10455.1
5°	10366.1	10402.3	10329.8	10361.5	10347.9
7.5°	10319.3	10331.4	10245.4	10271.0	10243.8
10°	10249.9	10243.8	10142.8	10192.6	10198.6
12.5°	10147.3	10129.2	10038.7	10114.1	10115.6
15°	10029.6	9990.4	9919.5	10007.0	10019.1
17.5°	9893.8	9842.5	9795.8	9908.9	9890.8
20°	9735.4	9675.1	9666.0	9789.7	9744.5
22.5°	9539.3	9492.5	9513.7	9631.3	9602.7
25°	9317.5	9276.8	9341.7	9427.7	9400.5
27.5°	9083.7	9059.5	9133.5	9199.9	9147.0
30°	8827.2	8813.6	8911.7	8966.0	8899.6
32.5°	8548.1	8552.6	8646.2	8720.1	8658.2
35°	8258.4	8278.1	8362.5	8451.6	8418.4
37.5°	7940.1	7983.9	8068.4	8169.4	8134.7
40°	7603.7	7667.0	7760.6	7882.8	7851.1
42.5°	7240.1	7320.1	7440.7	7576.5	7573.5
45°	6853.9	6965.5	7095.3	7276.3	7298.9
47.5°	6452.6	6577.8	6742.2	6983.6	7018.3
50°	6016.6	6173.5	6378.6	6668.3	6689.4
52.5°	5530.8	5745.0	6016.6	6294.2	6268.5
55°	5043.5	5286.4	5646.9	5873.2	5859.7
57.5°	4557.7	4830.8	5268.3	5429.7	5428.2
60°	4014.6	4360.0	4838.3	4960.5	4839.8
62.5°	3512.2	3883.3	4379.7	4290.6	3877.3
65°	2960.0	3423.2	3886.3	3279.8	2677.9
67.5°	2469.7	2952.5	3301.0	2246.4	1923.6
70°	1976.4	2508.9	2573.8	1667.1	1644.4
72.5°	1538.8	2106.1	1775.7	1427.2	1499.6
75°	1164.7	1689.7	1243.1	1271.8	1354.8
77.5°	849.4	1297.5	967.1	1114.9	1182.8
80°	583.9	918.8	789.0	936.9	983.7
82.5°	366.6	606.5	632.1	754.3	802.6
85°	200.7	384.7	493.3	595.9	624.6
87.5°	83.0	232.3	377.2	460.1	484.3
90°	1.5	128.2	255.0	319.8	334.9
92.5°	1.5	98.1	208.2	258.0	268.5
95°	1.5	80.0	175.0	212.7	218.8
97.5°	3.0	63.4	146.3	176.5	182.5
100°	4.5	52.8	122.2	147.8	152.4
102.5°	6.0	42.2	102.6	123.7	128.2
105°	6.0	34.7	86.0	104.1	108.6



TEST NUMBER: P829371

CATALOG NUMBER: OHB-30SE-A-UNV-L730-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.6	21.1	51.3	64.9	67.9
115°	12.1	18.1	43.8	55.8	58.8
117.5°	12.1	15.1	37.7	46.8	49.8
120°	12.1	13.6	33.2	40.7	42.2
122.5°	12.1	12.1	28.7	36.2	37.7
125°	10.6	12.1	27.2	31.7	33.2
127.5°	12.1	12.1	24.1	28.7	30.2
130°	12.1	13.6	21.1	27.2	27.2
132.5°	13.6	15.1	19.6	25.6	25.6
135°	13.6	15.1	16.6	24.1	25.6
137.5°	15.1	15.1	15.1	22.6	24.1
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°	7.5	28.7	73.9	89.0	92.0
110°	9.1	24.1	61.9	75.4	78.5



(END OF REPORT)