

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: P829421

Luminaire Tested: **OHB-30SE-NL-UNV-L740-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829421  
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-30SE-NL-UNV-L740-CD  
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

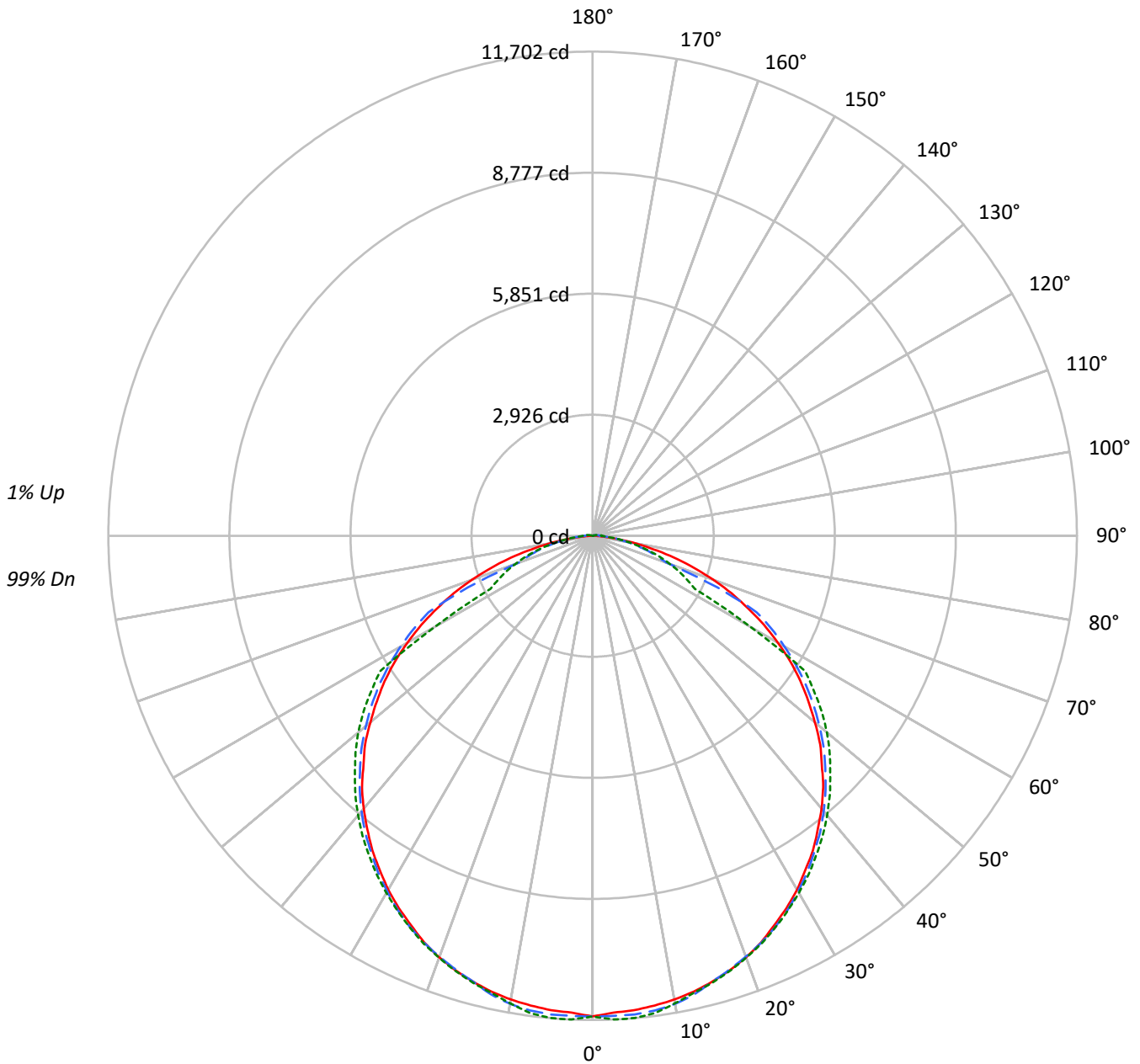
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32615.0 lumens  
Efficiency: N/A  
Efficacy: 180.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.67' x L: 1.93' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 181  
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°	38805	38805	38805
5°	38591	38940	39234
10°	38602	38969	38920
15°	38595	38588	38673
20°	38543	38484	38579
25°	38279	38474	38504
30°	38102	38298	38448
35°	37855	38063	38420
40°	37528	37884	38444
45°	36987	37546	38364
50°	36429	37172	38400
55°	35733	36659	37977
60°	34536	35761	29566
65°	32675	34575	19898
70°	30221	18354	19311
75°	26361	17442	18442
80°	20272	16000	16900
85°	10234	16171	16558



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1103.6	3.4
10°-20°	3160.0	9.7
20°-30°	4808.2	14.7
30°-40°	5846.1	17.9
40°-50°	6146.8	18.8
50°-60°	5612.8	17.2
60°-70°	3598.1	11.0
70°-80°	1699.7	5.2
80°-90°	471.3	1.4
90°-100°	124.8	0.4
100°-110°	34.2	0.1
110°-120°	9.5	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°	9071.7	27.8
0°-40°	14917.8	45.7
0°-60°	26677.4	81.8
0°-90°	32446.5	99.5
90°-120°	168.4	0.5
90°-150°	168.4	0.5
90°-180°	168.0	0.5
0°-180°	32615.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11617	11617	11617	11617	11617	
5°	11508	11553	11612	11676	11700	###
15°	11160	11244	11158	11174	11182	3151
25°	10386	10402	10438	10455	10446	4792
35°	9283	9228	9334	9448	9421	5801
45°	7829	7815	7948	8135	8121	6052
55°	6135	6088	6294	6504	6521	5472
65°	4134	4134	4374	2509	2517	4098
75°	2042	2081	1351	1423	1429	2153
85°	267	338	422	457	432	395
90°	0	114	188	222	218	12
95°	6	59	135	182	182	3
105°	10	22	33	33	31	10
115°	10	14	20	14	2	7
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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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11616.6	11616.6	11616.6	11616.6	<i>11616.6</i>
2.5°	<i>11535.0</i>	<i>11573.9</i>	<i>11616.6</i>	<i>11671.7</i>	<i>11702.1</i>
5°	11508.5	11553.4	11612.5	11675.8	<i>11700.1</i>
7.5°	11451.5	11514.5	11571.7	11616.6	<i>11630.9</i>
10°	11380.1	11455.6	11488.2	11484.1	<i>11474.0</i>
12.5°	11284.3	11363.9	11353.8	11306.7	<i>11314.9</i>
15°	11160.0	11243.5	11158.0	11174.2	<i>11182.4</i>
17.5°	11013.2	11094.8	10994.9	11027.5	<i>11029.6</i>
20°	10842.1	10903.2	10825.7	10852.2	<i>10852.2</i>
22.5°	10636.2	10678.9	10646.4	10664.7	<i>10668.8</i>
25°	10385.5	10401.6	10438.3	10454.7	<i>10446.5</i>
27.5°	10145.0	10124.5	10196.0	10234.6	<i>10214.1</i>
30°	9877.9	9845.3	9928.8	9992.0	<i>9967.6</i>
32.5°	9572.1	9551.8	9647.6	9722.9	<i>9708.7</i>
35°	9282.7	9227.7	9333.6	9447.8	<i>9421.2</i>
37.5°	8940.2	8907.6	9027.8	9148.2	<i>9134.0</i>
40°	8605.9	8550.9	8687.5	8830.1	<i>8815.9</i>
42.5°	8247.2	8181.9	8330.8	8502.1	<i>8485.7</i>
45°	7829.2	7815.0	7947.5	8135.0	<i>8120.8</i>
47.5°	7458.5	7387.0	7572.4	7753.9	<i>7770.3</i>
50°	7009.8	6983.5	7152.7	7372.8	<i>7389.0</i>
52.5°	6571.7	6553.4	6730.6	6952.8	<i>6981.3</i>
55°	6135.4	6088.5	6294.4	6504.4	<i>6520.8</i>
57.5°	5668.8	5619.8	5829.8	6058.1	<i>6092.6</i>
60°	5169.2	5122.4	5352.6	5564.8	<i>4425.3</i>
62.5°	4669.8	4637.2	4877.9	3455.1	<i>2784.5</i>
65°	4133.8	4133.8	4374.2	2509.2	<i>2517.4</i>
67.5°	3632.4	3599.9	3261.5	2254.3	<i>2254.3</i>
70°	3094.2	3106.5	1879.2	1975.3	<i>1977.2</i>
72.5°	2554.1	2599.0	1622.6	1699.9	<i>1704.0</i>
75°	2042.4	2081.2	1351.4	1422.8	<i>1428.9</i>
77.5°	1500.3	1153.7	1086.4	1141.6	<i>1143.6</i>
80°	1053.8	727.7	831.7	884.6	<i>878.5</i>
82.5°	615.5	509.5	609.4	648.3	<i>646.1</i>
85°	267.0	338.4	421.9	456.6	<i>432.0</i>
87.5°	85.5	210.0	262.9	283.4	<i>281.2</i>
90°	0.0	114.2	187.5	222.1	<i>218.2</i>
92.5°	0.0	89.6	163.1	203.9	<i>205.9</i>
95°	6.0	59.1	134.7	181.5	<i>181.5</i>
97.5°	4.1	42.7	95.8	142.6	<i>146.7</i>
100°	4.1	34.5	63.2	101.9	<i>104.0</i>
102.5°	10.1	28.5	38.6	65.2	<i>67.3</i>
105°	10.1	22.4	32.6	32.6	<i>30.6</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	12.3	16.4	22.4	16.4	1.9
115°	10.1	14.2	20.3	14.2	1.9
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°	10.1	20.3	28.5	18.3	6.0
110°	12.3	18.3	24.4	16.4	1.9



(END OF REPORT)