

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: P830284

Luminaire Tested: **OHBL-30SE-NL-UNV-L735-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P830284  
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: OHBL-30SE-NL-UNV-L735-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

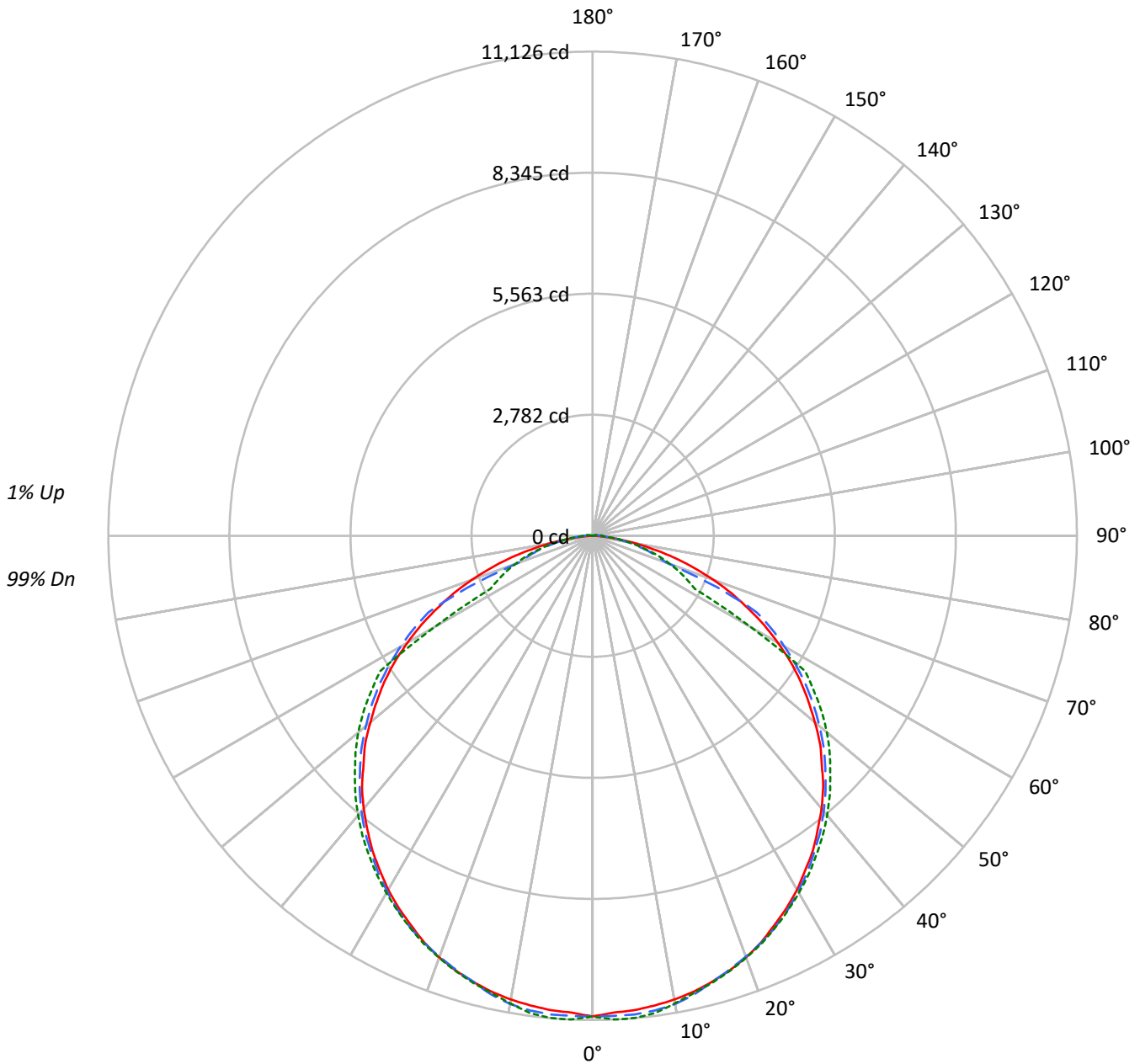
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31009.9 lumens  
Efficiency: N/A  
Efficacy: 178.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')  
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	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°	18865	18865	18865
5°	18761	18930	19073
10°	18766	18944	18920
15°	18762	18759	18800
20°	18737	18709	18754
25°	18609	18703	18718
30°	18523	18618	18691
35°	18403	18504	18677
40°	18244	18417	18689
45°	17980	18252	18650
50°	17710	18071	18668
55°	17371	17821	18462
60°	16789	17385	14373
65°	15884	16808	9673
70°	14692	8923	9388
75°	12815	8479	8965
80°	9855	7778	8216
85°	4974	7860	8050



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1049.3	3.4
10°-20°	3004.5	9.7
20°-30°	4571.6	14.7
30°-40°	5558.4	17.9
40°-50°	5844.3	18.8
50°-60°	5336.6	17.2
60°-70°	3421.0	11.0
70°-80°	1616.1	5.2
80°-90°	448.1	1.4
90°-100°	118.7	0.4
100°-110°	32.5	0.1
110°-120°	9.0	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°	8625.3	27.8
0°-40°	14183.7	45.7
0°-60°	25364.6	81.8
0°-90°	30849.8	99.5
90°-120°	160.1	0.5
90°-150°	160.1	0.5
90°-180°	160.0	0.5
0°-180°	31009.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11045	11045	11045	11045	11045	
5°	10942	10985	11041	11101	11124	###
15°	10611	10690	10609	10624	10632	2996
25°	9874	9890	9925	9940	9932	4556
35°	8826	8774	8874	8983	8958	5516
45°	7444	7430	7556	7735	7721	5754
55°	5833	5789	5985	6184	6200	5202
65°	3930	3930	4159	2386	2394	3897
75°	1942	1979	1285	1353	1358	2047
85°	254	322	401	434	411	375
90°	0	108	178	211	207	11
95°	6	56	128	173	173	3
105°	10	21	31	31	29	10
115°	10	14	19	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°	11045.0	11045.0	11045.0	11045.0	<i>11045.0</i>
2.5°	<i>10967.4</i>	<i>11004.3</i>	<i>11045.0</i>	<i>11097.3</i>	<i>11126.2</i>
5°	10942.2	10984.8	11041.1	11101.2	<i>11124.4</i>
7.5°	10888.0	10947.9	11002.3	11045.0	<i>11058.5</i>
10°	10820.1	10891.9	10922.9	10919.0	<i>10909.3</i>
12.5°	10729.0	10804.7	10795.0	10750.3	<i>10758.1</i>
15°	10610.8	10690.2	10608.9	10624.3	<i>10632.1</i>
17.5°	10471.3	10548.8	10453.8	10484.8	<i>10486.9</i>
20°	10308.6	10366.6	10293.0	10318.2	<i>10318.2</i>
22.5°	10112.8	10153.4	10122.4	10139.9	<i>10143.8</i>
25°	9874.4	9889.8	9924.6	9940.2	<i>9932.4</i>
27.5°	9645.8	9626.3	9694.2	9731.0	<i>9711.5</i>
30°	9391.8	9360.8	9440.2	9500.3	<i>9477.1</i>
32.5°	9101.0	9081.7	9172.8	9244.5	<i>9230.9</i>
35°	8825.9	8773.6	8874.3	8982.8	<i>8957.6</i>
37.5°	8500.2	8469.3	8583.6	8698.0	<i>8684.5</i>
40°	8182.4	8130.1	8260.0	8395.6	<i>8382.1</i>
42.5°	7841.4	7779.2	7920.8	8083.7	<i>8068.1</i>
45°	7443.9	7430.4	7556.4	7734.7	<i>7721.2</i>
47.5°	7091.4	7023.5	7199.8	7372.3	<i>7387.9</i>
50°	6664.9	6639.8	6800.7	7010.0	<i>7025.4</i>
52.5°	6248.3	6230.9	6399.3	6610.7	<i>6637.8</i>
55°	5833.4	5788.9	5984.7	6184.3	<i>6199.9</i>
57.5°	5389.8	5343.3	5542.9	5760.0	<i>5792.8</i>
60°	4914.8	4870.3	5089.2	5290.9	<i>4207.5</i>
62.5°	4440.0	4409.0	4637.8	3285.0	<i>2647.5</i>
65°	3930.3	3930.3	4158.9	2385.7	<i>2393.5</i>
67.5°	3453.7	3422.7	3101.0	2143.4	<i>2143.4</i>
70°	2942.0	2953.7	1786.8	1878.1	<i>1879.9</i>
72.5°	2428.4	2471.1	1542.8	1616.3	<i>1620.1</i>
75°	1941.9	1978.8	1284.9	1352.8	<i>1358.5</i>
77.5°	1426.5	1096.9	1032.9	1085.4	<i>1087.3</i>
80°	1001.9	691.9	790.8	841.1	<i>835.3</i>
82.5°	585.2	484.4	579.4	616.4	<i>614.3</i>
85°	253.8	321.7	401.1	434.2	<i>410.8</i>
87.5°	81.3	199.6	249.9	269.4	<i>267.4</i>
90°	0.0	108.5	178.3	211.1	<i>207.4</i>
92.5°	0.0	85.2	155.1	193.9	<i>195.7</i>
95°	5.7	56.2	128.0	172.6	<i>172.6</i>
97.5°	3.9	40.6	91.1	135.6	<i>139.5</i>
100°	3.9	32.8	60.1	96.8	<i>98.9</i>
102.5°	9.6	27.1	36.7	62.0	<i>64.0</i>
105°	9.6	21.3	31.0	31.0	<i>29.1</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.7	15.6	21.3	15.6	1.8
115°	9.6	13.5	19.3	13.5	1.8
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°	9.6	19.3	27.1	17.4	5.7
110°	11.7	17.4	23.2	15.6	1.8



(END OF REPORT)