

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: P830292

Luminaire Tested: **OHBL-30SE-NL-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830292  
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-L935-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

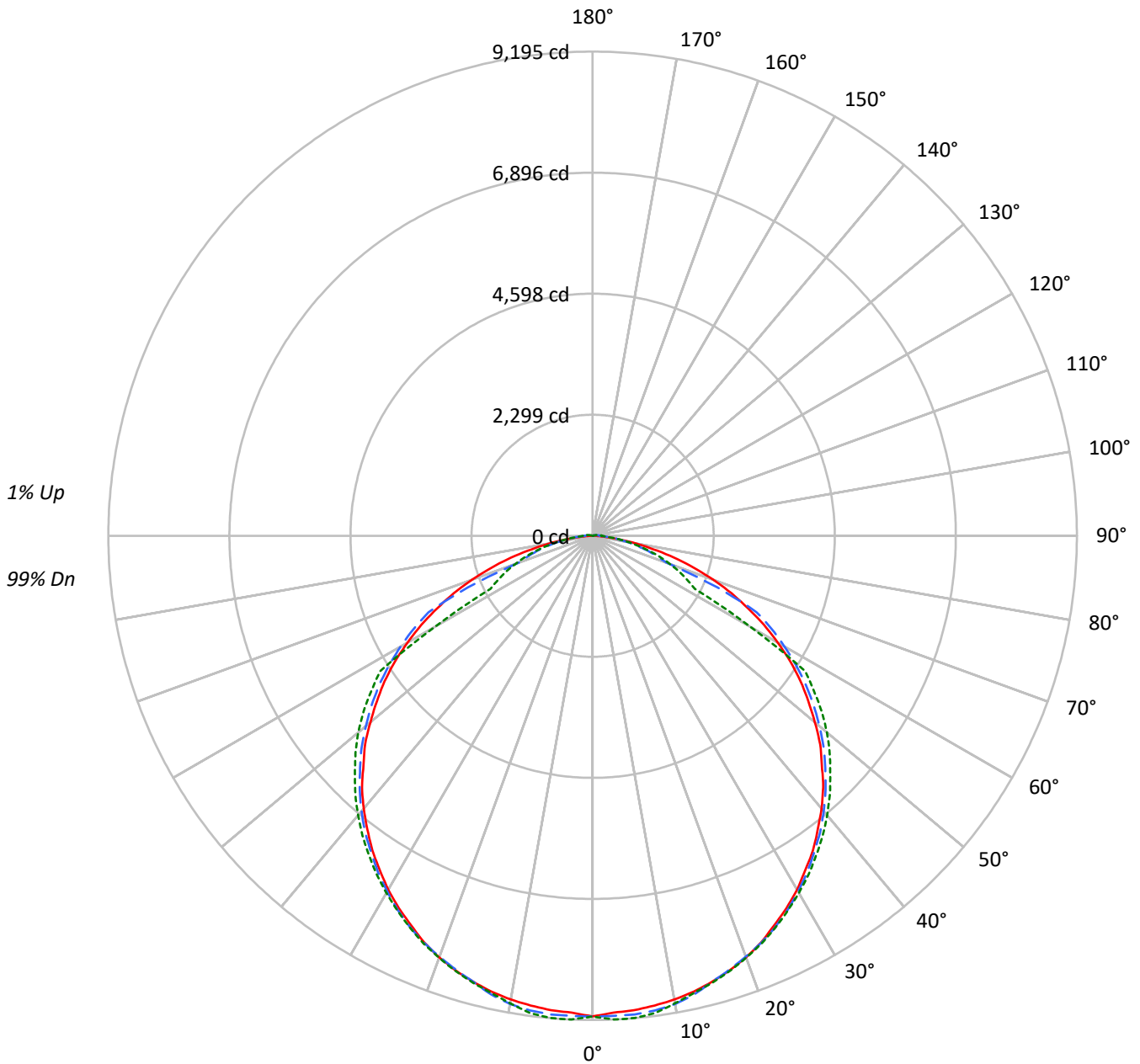
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25628.0 lumens  
Efficiency: N/A  
Efficacy: 147.3 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 (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°	15591	15591	15591
5°	15505	15645	15763
10°	15509	15656	15637
15°	15506	15503	15537
20°	15485	15461	15499
25°	15379	15458	15470
30°	15308	15387	15447
35°	15209	15292	15436
40°	15077	15220	15445
45°	14860	15084	15413
50°	14636	14934	15428
55°	14356	14728	15258
60°	13875	14368	11878
65°	13127	13891	7994
70°	12142	7374	7758
75°	10591	7008	7410
80°	8144	6428	6790
85°	4111	6496	6653



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	867.2	3.4
10°-20°	2483.0	9.7
20°-30°	3778.1	14.7
30°-40°	4593.7	17.9
40°-50°	4830.0	18.8
50°-60°	4410.4	17.2
60°-70°	2827.3	11.0
70°-80°	1335.6	5.2
80°-90°	370.3	1.4
90°-100°	98.1	0.4
100°-110°	26.9	0.1
110°-120°	7.4	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°	7128.3	27.8
0°-40°	11722.0	45.7
0°-60°	20962.4	81.8
0°-90°	25495.6	99.5
90°-120°	132.4	0.5
90°-150°	132.4	0.5
90°-180°	132.0	0.5
0°-180°	25628.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9128	9128	9128	9128	9128	
5°	9043	9078	9125	9174	9194	860
15°	8769	8835	8768	8780	8787	2476
25°	8161	8173	8202	8215	8209	3766
35°	7294	7251	7334	7424	7403	4558
45°	6152	6141	6245	6392	6381	4755
55°	4821	4784	4946	5111	5124	4300
65°	3248	3248	3437	1972	1978	3220
75°	1605	1635	1062	1118	1123	1692
85°	210	266	332	359	340	310
90°	0	90	147	174	171	9
95°	5	46	106	143	143	3
105°	8	18	26	26	24	8
115°	8	11	16	11	2	6
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°	9128.0	9128.0	9128.0	9128.0	<i>9128.0</i>
2.5°	<i>9063.9</i>	<i>9094.5</i>	<i>9128.0</i>	<i>9171.3</i>	<i>9195.2</i>
5°	9043.1	9078.3	9124.8	9174.5	<i>9193.7</i>
7.5°	8998.3	9047.8	9092.8	9128.0	<i>9139.2</i>
10°	8942.2	9001.5	9027.1	9023.9	<i>9015.9</i>
12.5°	8866.9	8929.5	8921.5	8884.5	<i>8891.0</i>
15°	8769.2	8834.8	8767.7	8780.4	<i>8786.8</i>
17.5°	8653.9	8718.0	8639.5	8665.1	<i>8666.8</i>
20°	8519.4	8567.4	8506.5	8527.4	<i>8527.4</i>
22.5°	8357.7	8391.2	8365.6	8380.0	<i>8383.3</i>
25°	8160.6	8173.3	8202.2	8215.0	<i>8208.6</i>
27.5°	7971.7	7955.6	8011.7	8042.1	<i>8026.0</i>
30°	7761.8	7736.2	7801.8	7851.5	<i>7832.3</i>
32.5°	7521.5	7505.5	7580.8	7640.0	<i>7628.8</i>
35°	7294.1	7250.8	7334.1	7423.8	<i>7403.0</i>
37.5°	7025.0	6999.4	7093.8	7188.4	<i>7177.2</i>
40°	6762.3	6719.1	6826.4	6938.5	<i>6927.3</i>
42.5°	6480.5	6429.1	6546.1	6680.7	<i>6667.8</i>
45°	6152.0	6140.8	6244.9	6392.3	<i>6381.1</i>
47.5°	5860.7	5804.5	5950.2	6092.8	<i>6105.7</i>
50°	5508.1	5487.4	5620.4	5793.3	<i>5806.1</i>
52.5°	5163.9	5149.5	5288.7	5463.4	<i>5485.7</i>
55°	4821.0	4784.2	4946.0	5111.0	<i>5123.9</i>
57.5°	4454.4	4415.9	4580.9	4760.3	<i>4787.4</i>
60°	4061.8	4025.0	4206.0	4372.7	<i>3477.3</i>
62.5°	3669.4	3643.8	3832.9	2714.9	<i>2188.0</i>
65°	3248.2	3248.2	3437.1	1971.6	<i>1978.1</i>
67.5°	2854.3	2828.7	2562.8	1771.4	<i>1771.4</i>
70°	2431.4	2441.0	1476.7	1552.1	<i>1553.6</i>
72.5°	2006.9	2042.2	1275.0	1335.7	<i>1339.0</i>
75°	1604.9	1635.4	1061.9	1118.0	<i>1122.8</i>
77.5°	1178.9	906.5	853.6	897.0	<i>898.6</i>
80°	828.0	571.8	653.5	695.1	<i>690.3</i>
82.5°	483.6	400.4	478.9	509.4	<i>507.7</i>
85°	209.8	265.9	331.5	358.8	<i>339.5</i>
87.5°	67.2	165.0	206.5	222.7	<i>221.0</i>
90°	0.0	89.7	147.4	174.5	<i>171.4</i>
92.5°	0.0	70.4	128.2	160.2	<i>161.8</i>
95°	4.7	46.5	105.8	142.6	<i>142.6</i>
97.5°	3.2	33.6	75.3	112.1	<i>115.3</i>
100°	3.2	27.1	49.7	80.0	<i>81.7</i>
102.5°	8.0	22.4	30.4	51.2	<i>52.9</i>
105°	8.0	17.6	25.6	25.6	<i>24.1</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	9.7	12.9	17.6	12.9	1.5
115°	8.0	11.2	15.9	11.2	1.5
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°	8.0	15.9	22.4	14.4	4.7
110°	9.7	14.4	19.2	12.9	1.5



(END OF REPORT)