

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: P829394

Luminaire Tested: **OHB-30SE-MCL-UNV-L950-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P829394  
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-MCL-UNV-L950-CD  
Description: 30000 LUMEN OHB SE LED LUMINAIRE WITH 90CRI, 5000K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

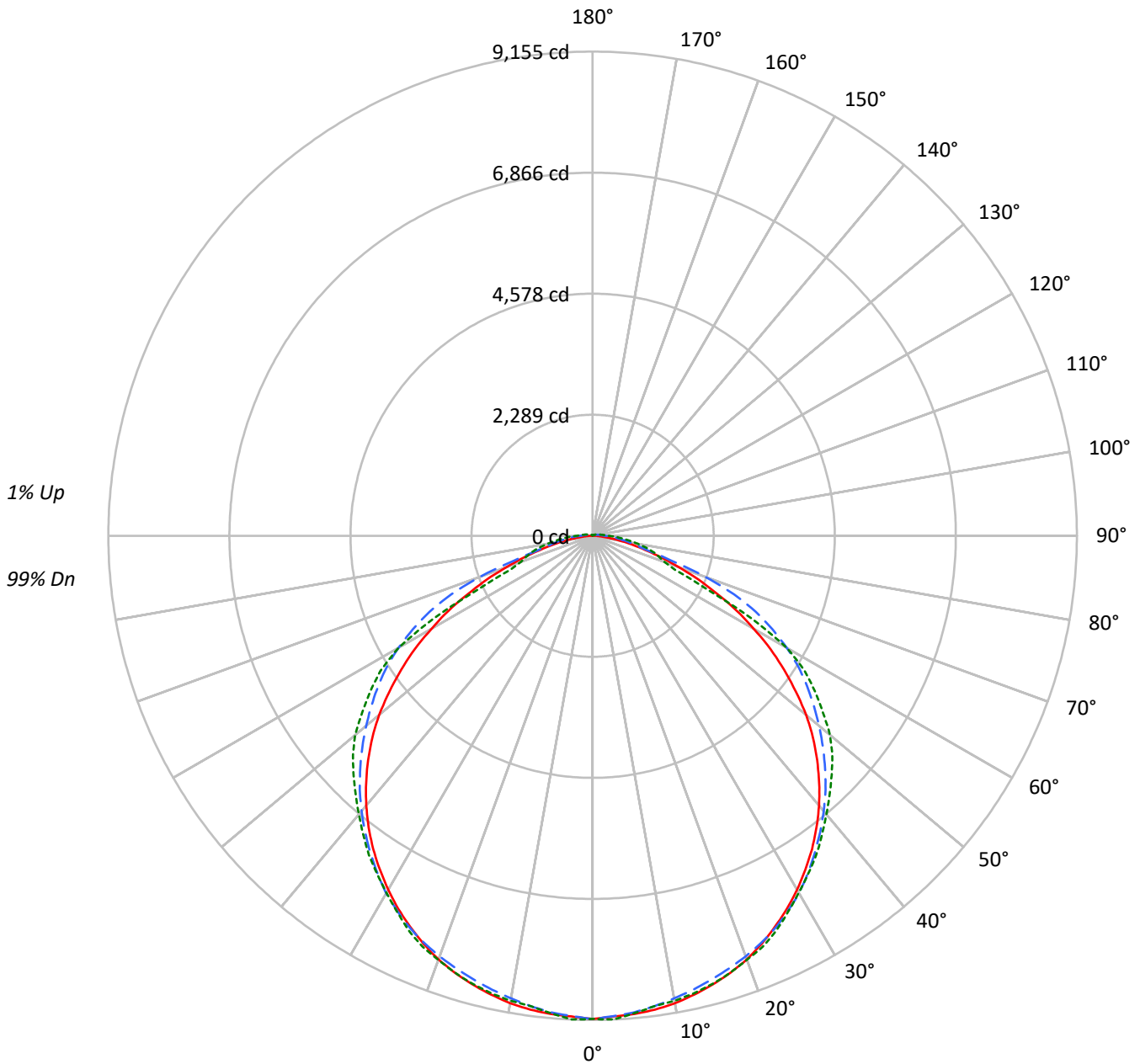
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25823.0 lumens  
Efficiency: N/A  
Efficacy: 142.7 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

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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	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°	30520	30520	30520
5°	30209	29985	30120
10°	29988	29442	29766
15°	29686	29014	29548
20°	29382	28712	29267
25°	28909	28405	28987
30°	28400	27973	28418
35°	27810	27340	28093
40°	27075	26684	27657
45°	26101	25935	27448
50°	24827	25089	27198
55°	22900	24239	26147
60°	20434	23047	24132
65°	17289	20975	15261
70°	13665	16164	11032
75°	9958	9419	11149
80°	6604	7608	10572
85°	3392	6609	9780



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	861.5	3.3
10°-20°	2470.3	9.6
20°-30°	3772.9	14.6
30°-40°	4577.8	17.7
40°-50°	4797.9	18.6
50°-60°	4347.7	16.8
60°-70°	2914.9	11.3
70°-80°	1308.9	5.1
80°-90°	475.0	1.8
90°-100°	143.0	0.6
100°-110°	67.5	0.3
110°-120°	33.8	0.1
120°-130°	18.7	0.1
130°-140°	12.8	0.0
140°-150°	8.6	0.0
150°-160°	6.4	0.0
160°-170°	4.1	0.0
170°-180°	1.3	0.0
0°-30°	7104.6	27.5
0°-40°	11682.4	45.2
0°-60°	20828.0	80.7
0°-90°	25526.8	98.9
90°-120°	244.3	0.9
90°-150°	284.4	1.1
90°-180°	296.0	1.1
0°-180°	25823.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9136	9136	9136	9136	9136	
5°	9077	9108	9045	9073	9061	863
15°	8782	8748	8686	8762	8773	2480
25°	8159	8123	8180	8255	8231	3761
35°	7231	7248	7322	7400	7371	4520
45°	6001	6099	6213	6371	6391	4623
55°	4416	4629	4945	5143	5131	3942
65°	2592	2997	3403	2872	2345	2582
75°	1020	1480	1088	1114	1186	1114
85°	176	337	432	522	547	214
90°	1	112	223	280	293	10
95°	1	70	153	186	192	2
105°	5	30	75	91	95	6
115°	11	16	38	49	52	10
125°	9	11	24	28	29	9
135°	12	13	14	21	22	9
145°	12	13	13	14	16	8
155°	13	14	14	14	13	6
165°	14	14	14	14	14	4
175°	14	14	13	12	12	1
180°	13	13	13	13	13	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9136.2	9136.2	9136.2	9136.2	<i>9136.2</i>
2.5°	<i>9099.2</i>	<i>9137.5</i>	<i>9090.0</i>	<i>9141.5</i>	<i>9154.7</i>
5°	9076.8	9108.5	9045.0	9072.8	<i>9060.9</i>
7.5°	9035.8	9046.4	8971.1	8993.5	<i>8969.8</i>
10°	8975.0	8969.8	8881.2	8924.8	<i>8930.1</i>
12.5°	8885.2	8869.4	8790.1	8856.1	<i>8857.5</i>
15°	8782.2	8747.8	8685.7	8762.3	<i>8772.9</i>
17.5°	8663.3	8618.4	8577.4	8676.5	<i>8660.6</i>
20°	8524.6	8471.7	8463.8	8572.1	<i>8532.5</i>
22.5°	8352.8	8311.9	8330.4	8433.4	<i>8408.3</i>
25°	8158.6	8123.0	8179.8	8255.1	<i>8231.3</i>
27.5°	7953.9	7932.7	7997.5	8055.6	<i>8009.4</i>
30°	7729.3	7717.4	7803.3	7850.8	<i>7792.7</i>
32.5°	7484.9	7488.9	7570.8	7635.5	<i>7581.4</i>
35°	7231.3	7248.5	7322.4	7400.4	<i>7371.3</i>
37.5°	6952.5	6990.9	7064.8	7153.3	<i>7123.0</i>
40°	6658.0	6713.4	6795.3	6902.3	<i>6874.6</i>
42.5°	6339.6	6409.6	6515.3	6634.2	<i>6631.5</i>
45°	6001.4	6099.2	6212.8	6371.3	<i>6391.1</i>
47.5°	5650.0	5759.7	5903.7	6115.0	<i>6145.4</i>
50°	5268.2	5405.6	5585.3	5838.9	<i>5857.4</i>
52.5°	4842.9	5030.5	5268.2	5511.3	<i>5488.9</i>
55°	4416.2	4628.9	4944.6	5142.7	<i>5130.9</i>
57.5°	3990.8	4229.9	4613.0	4754.4	<i>4753.0</i>
60°	3515.2	3817.8	4236.5	4343.5	<i>4237.8</i>
62.5°	3075.3	3400.3	3834.9	3757.0	<i>3395.0</i>
65°	2591.8	2997.4	3403.0	2871.9	<i>2344.8</i>
67.5°	2162.5	2585.2	2890.4	1967.0	<i>1684.3</i>
70°	1730.5	2196.9	2253.7	1459.7	<i>1439.9</i>
72.5°	1347.4	1844.1	1554.8	1249.7	<i>1313.1</i>
75°	1019.8	1479.5	1088.5	1113.6	<i>1186.3</i>
77.5°	743.7	1136.1	846.8	976.2	<i>1035.7</i>
80°	511.2	804.5	690.9	820.4	<i>861.3</i>
82.5°	321.0	531.1	553.5	660.5	<i>702.8</i>
85°	175.7	336.9	432.0	521.8	<i>546.9</i>
87.5°	72.7	203.4	330.3	402.9	<i>424.0</i>
90°	1.3	112.3	223.3	280.1	<i>293.3</i>
92.5°	1.3	85.9	182.3	225.9	<i>235.1</i>
95°	1.3	70.0	153.2	186.3	<i>191.5</i>
97.5°	2.6	55.5	128.1	154.6	<i>159.8</i>
100°	4.0	46.2	107.0	129.5	<i>133.4</i>
102.5°	5.3	37.0	89.8	108.3	<i>112.3</i>
105°	5.3	30.4	75.3	91.2	<i>95.1</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	9.2	18.5	44.9	56.8	59.4
115°	10.6	15.9	38.3	48.9	51.5
117.5°	10.6	13.2	33.0	41.0	43.6
120°	10.6	11.9	29.1	35.7	37.0
122.5°	10.6	10.6	25.1	31.7	33.0
125°	9.2	10.6	23.8	27.7	29.1
127.5°	10.6	10.6	21.1	25.1	26.4
130°	10.6	11.9	18.5	23.8	23.8
132.5°	11.9	13.2	17.2	22.5	22.5
135°	11.9	13.2	14.5	21.1	22.5
137.5°	13.2	13.2	13.2	19.8	21.1
140°	13.2	13.2	11.9	17.2	18.5
142.5°	11.9	13.2	11.9	15.9	17.2
145°	11.9	13.2	13.2	14.5	15.9
147.5°	13.2	13.2	13.2	13.2	14.5
150°	13.2	13.2	13.2	13.2	13.2
152.5°	13.2	13.2	13.2	13.2	13.2
155°	13.2	14.5	14.5	14.5	13.2
157.5°	13.2	14.5	14.5	14.5	14.5
160°	13.2	14.5	14.5	14.5	14.5
162.5°	14.5	14.5	14.5	14.5	14.5
165°	14.5	14.5	14.5	14.5	14.5
167.5°	14.5	15.9	14.5	14.5	14.5
170°	14.5	14.5	14.5	13.2	13.2
172.5°	14.5	14.5	14.5	13.2	13.2
175°	14.5	14.5	13.2	11.9	11.9
177.5°	15.9	14.5	13.2	11.9	10.6
180°	13.2	13.2	13.2	13.2	13.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	6.6	25.1	64.7	77.9	80.6
110°	7.9	21.1	54.2	66.1	68.7



(END OF REPORT)