

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: P829593

Luminaire Tested: **OHB-9SE-A-UNV-L840-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829593
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-9SE-A-UNV-L840-CD
Description: 9000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

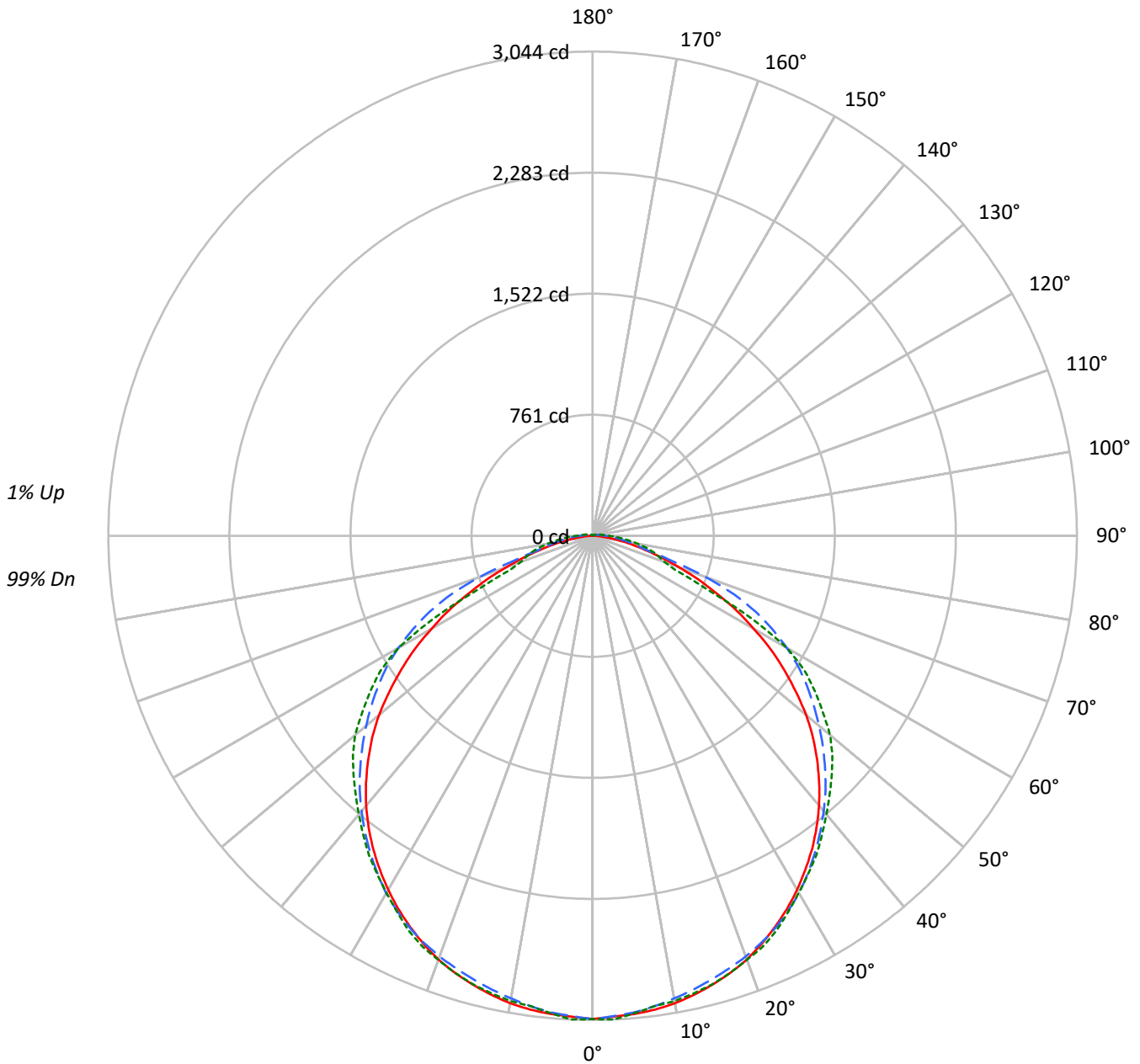
Lumens per Lamp: N/A
Luminaire Lumens: 8587.0 lumens
Efficiency: N/A
Efficacy: 159.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 54
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	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°	19331	19331	19331
5°	19134	18888	18929
10°	18994	18445	18563
15°	18803	18078	18284
20°	18610	17791	17966
25°	18311	17499	17649
30°	17989	17130	17152
35°	17615	16635	16799
40°	17149	16122	16371
45°	16533	15548	16064
50°	15726	14909	15713
55°	14505	14256	14879
60°	12942	13390	13484
65°	10952	12001	8334
70°	8656	9067	5847
75°	6307	5143	5668
80°	4183	3989	5044
85°	2147	3239	4179



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.5	3.3
10°-20°	821.4	9.6
20°-30°	1254.6	14.6
30°-40°	1522.3	17.7
40°-50°	1595.5	18.6
50°-60°	1445.7	16.8
60°-70°	969.3	11.3
70°-80°	435.3	5.1
80°-90°	157.9	1.8
90°-100°	47.5	0.6
100°-110°	22.4	0.3
110°-120°	11.2	0.1
120°-130°	6.2	0.1
130°-140°	4.3	0.0
140°-150°	2.9	0.0
150°-160°	2.1	0.0
160°-170°	1.4	0.0
170°-180°	0.4	0.0
0°-30°	2362.5	27.5
0°-40°	3884.8	45.2
0°-60°	6926.0	80.7
0°-90°	8488.5	98.9
90°-120°	81.2	0.9
90°-150°	94.5	1.1
90°-180°	98.0	1.1
0°-180°	8587.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3038	3038	3038	3038	3038	
5°	3018	3029	3008	3017	3013	287
15°	2920	2909	2888	2914	2917	825
25°	2713	2701	2720	2745	2737	1251
35°	2405	2410	2435	2461	2451	1503
45°	1996	2028	2066	2119	2125	1537
55°	1468	1539	1644	1710	1706	1311
65°	862	997	1132	955	780	859
75°	339	492	362	370	394	371
85°	58	112	144	174	182	71
90°	0	37	74	93	98	3
95°	0	23	51	62	64	1
105°	2	10	25	30	32	2
115°	4	5	13	16	17	3
125°	3	4	8	9	10	3
135°	4	4	5	7	8	3
145°	4	4	4	5	5	3
155°	4	5	5	5	4	2
165°	5	5	5	5	5	1
175°	5	5	4	4	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3038.1	3038.1	3038.1	3038.1	<i>3038.1</i>
2.5°	<i>3025.8</i>	<i>3038.5</i>	<i>3022.7</i>	<i>3039.8</i>	<i>3044.2</i>
5°	3018.3	3028.9	3007.8	3017.0	<i>3013.0</i>
7.5°	3004.7	3008.2	2983.2	2990.6	<i>2982.7</i>
10°	2984.5	2982.7	2953.3	2967.8	<i>2969.6</i>
12.5°	2954.6	2949.4	2923.0	2945.0	<i>2945.4</i>
15°	2920.4	2908.9	2888.3	2913.8	<i>2917.3</i>
17.5°	2880.8	2865.9	2852.3	2885.2	<i>2879.9</i>
20°	2834.7	2817.1	2814.5	2850.5	<i>2837.3</i>
22.5°	2777.6	2764.0	2770.1	2804.4	<i>2796.0</i>
25°	2713.0	2701.2	2720.0	2745.1	<i>2737.2</i>
27.5°	2644.9	2637.9	2659.4	2678.8	<i>2663.4</i>
30°	2570.3	2566.3	2594.9	2610.7	<i>2591.3</i>
32.5°	2489.0	2490.3	2517.5	2539.1	<i>2521.1</i>
35°	2404.6	2410.4	2435.0	2460.9	<i>2451.2</i>
37.5°	2312.0	2324.7	2349.3	2378.7	<i>2368.6</i>
40°	2214.0	2232.4	2259.7	2295.3	<i>2286.0</i>
42.5°	2108.1	2131.4	2166.5	2206.1	<i>2205.2</i>
45°	1995.7	2028.2	2066.0	2118.7	<i>2125.3</i>
47.5°	1878.8	1915.3	1963.2	2033.4	<i>2043.5</i>
50°	1751.9	1797.5	1857.3	1941.6	<i>1947.8</i>
52.5°	1610.4	1672.8	1751.9	1832.7	<i>1825.2</i>
55°	1468.5	1539.3	1644.2	1710.1	<i>1706.2</i>
57.5°	1327.1	1406.6	1534.0	1581.0	<i>1580.5</i>
60°	1168.9	1269.5	1408.8	1444.4	<i>1409.2</i>
62.5°	1022.7	1130.7	1275.2	1249.3	<i>1129.0</i>
65°	861.9	996.7	1131.6	955.0	<i>779.7</i>
67.5°	719.1	859.7	961.2	654.1	<i>560.1</i>
70°	575.5	730.5	749.4	485.4	<i>478.8</i>
72.5°	448.1	613.2	517.0	415.6	<i>436.6</i>
75°	339.1	492.0	362.0	370.3	<i>394.5</i>
77.5°	247.3	377.8	281.6	324.6	<i>344.4</i>
80°	170.0	267.5	229.7	272.8	<i>286.4</i>
82.5°	106.7	176.6	184.1	219.6	<i>233.7</i>
85°	58.4	112.0	143.6	173.5	<i>181.9</i>
87.5°	24.2	67.6	109.8	134.0	<i>141.0</i>
90°	0.4	37.3	74.2	93.1	<i>97.5</i>
92.5°	0.4	28.6	60.6	75.1	<i>78.2</i>
95°	0.4	23.3	51.0	61.9	<i>63.7</i>
97.5°	0.9	18.4	42.6	51.4	<i>53.2</i>
100°	1.3	15.4	35.6	43.0	<i>44.4</i>
102.5°	1.8	12.3	29.9	36.0	<i>37.3</i>
105°	1.8	10.1	25.0	30.3	<i>31.6</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	6.1	14.9	18.9	19.8
115°	3.5	5.3	12.7	16.3	17.1
117.5°	3.5	4.4	11.0	13.6	14.5
120°	3.5	4.0	9.7	11.9	12.3
122.5°	3.5	3.5	8.3	10.5	11.0
125°	3.1	3.5	7.9	9.2	9.7
127.5°	3.5	3.5	7.0	8.3	8.8
130°	3.5	4.0	6.1	7.9	7.9
132.5°	4.0	4.4	5.7	7.5	7.5
135°	4.0	4.4	4.8	7.0	7.5
137.5°	4.4	4.4	4.4	6.6	7.0
140°	4.4	4.4	4.0	5.7	6.1
142.5°	4.0	4.4	4.0	5.3	5.7
145°	4.0	4.4	4.4	4.8	5.3
147.5°	4.4	4.4	4.4	4.4	4.8
150°	4.4	4.4	4.4	4.4	4.4
152.5°	4.4	4.4	4.4	4.4	4.4
155°	4.4	4.8	4.8	4.8	4.4
157.5°	4.4	4.8	4.8	4.8	4.8
160°	4.4	4.8	4.8	4.8	4.8
162.5°	4.8	4.8	4.8	4.8	4.8
165°	4.8	4.8	4.8	4.8	4.8
167.5°	4.8	5.3	4.8	4.8	4.8
170°	4.8	4.8	4.8	4.4	4.4
172.5°	4.8	4.8	4.8	4.4	4.4
175°	4.8	4.8	4.4	4.0	4.0
177.5°	5.3	4.8	4.4	4.0	3.5
180°	4.4	4.4	4.4	4.4	4.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.2	8.3	21.5	25.9	26.8
110°	2.6	7.0	18.0	22.0	22.8



(END OF REPORT)