

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: P829530

Luminaire Tested: **OHB-9HE-MCL-UNV-L750-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829530
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-9HE-MCL-UNV-L750-CD
Description: 9000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

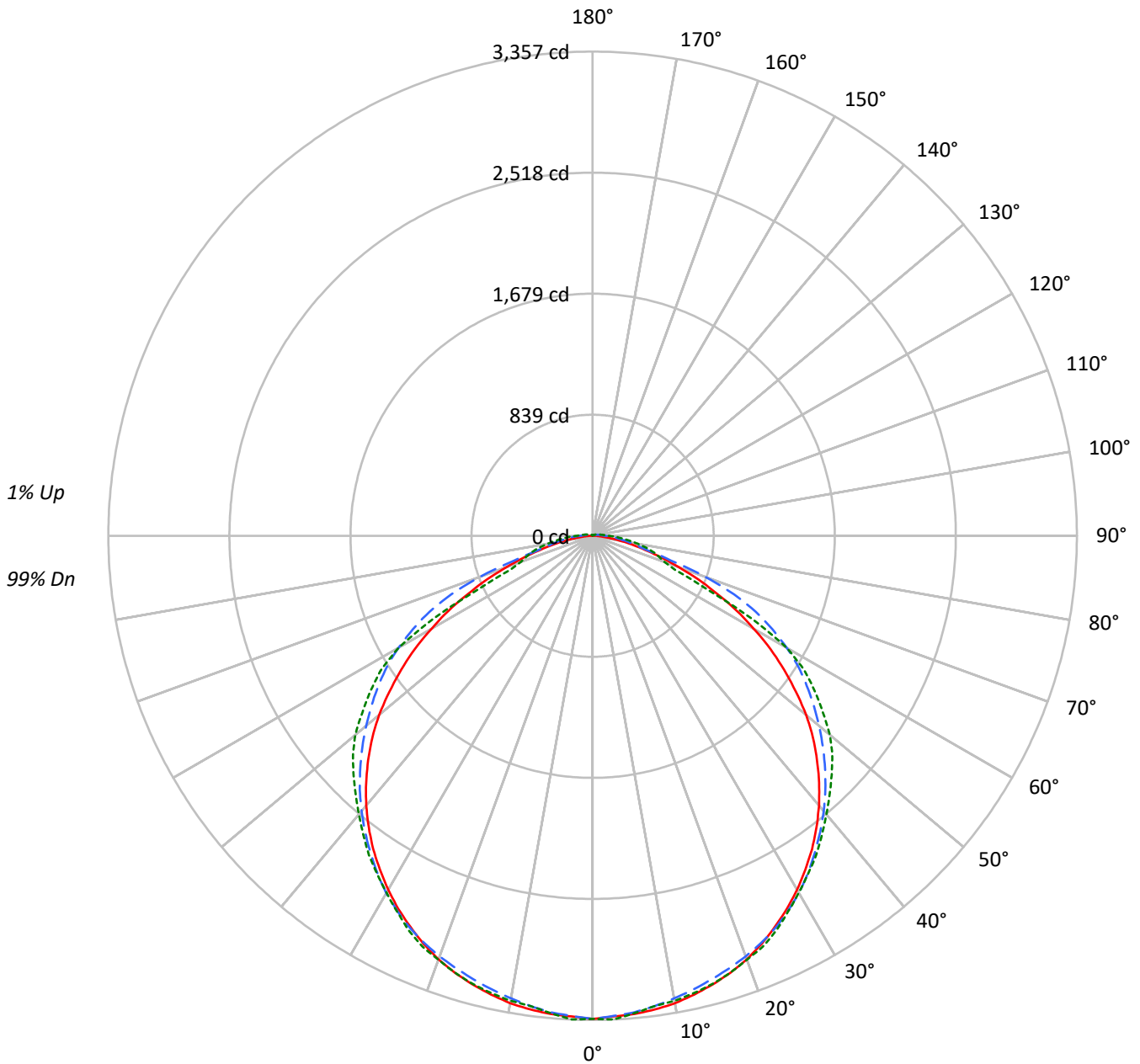
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9468.0 lumens
Efficiency: N/A
Efficacy: 182.1 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): 52
Input Voltage (V): NR
Input Current (A_{in}): 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°	11190	11190	11190
5°	11076	10994	11044
10°	10995	10795	10914
15°	10884	10638	10834
20°	10773	10527	10731
25°	10600	10415	10628
30°	10413	10256	10419
35°	10196	10024	10300
40°	9927	9784	10141
45°	9570	9509	10064
50°	9103	9199	9972
55°	8396	8887	9587
60°	7492	8450	8848
65°	6339	7690	5595
70°	5010	5926	4045
75°	3651	3454	4087
80°	2421	2789	3876
85°	1243	2423	3586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.9	3.3
10°-20°	905.7	9.6
20°-30°	1383.3	14.6
30°-40°	1678.4	17.7
40°-50°	1759.2	18.6
50°-60°	1594.1	16.8
60°-70°	1068.8	11.3
70°-80°	479.9	5.1
80°-90°	174.2	1.8
90°-100°	52.4	0.6
100°-110°	24.7	0.3
110°-120°	12.4	0.1
120°-130°	6.8	0.1
130°-140°	4.7	0.0
140°-150°	3.1	0.0
150°-160°	2.3	0.0
160°-170°	1.5	0.0
170°-180°	0.5	0.0
0°-30°	2604.9	27.5
0°-40°	4283.3	45.2
0°-60°	7636.6	80.7
0°-90°	9359.4	98.9
90°-120°	89.5	0.9
90°-150°	104.2	1.1
90°-180°	109.0	1.2
0°-180°	9468.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3350	3350	3350	3350	3350	
5°	3328	3340	3316	3326	3322	317
15°	3220	3207	3185	3213	3217	909
25°	2991	2978	2999	3027	3018	1379
35°	2651	2658	2685	2713	2703	1657
45°	2200	2236	2278	2336	2343	1695
55°	1619	1697	1813	1886	1881	1445
65°	950	1099	1248	1053	860	947
75°	374	542	399	408	435	409
85°	64	124	158	191	200	79
90°	0	41	82	103	108	4
95°	0	26	56	68	70	1
105°	2	11	28	33	35	2
115°	4	6	14	18	19	4
125°	3	4	9	10	11	3
135°	4	5	5	8	8	3
145°	4	5	5	5	6	3
155°	5	5	5	5	5	2
165°	5	5	5	5	5	1
175°	5	5	5	4	4	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3349.8	3349.8	3349.8	3349.8	<i>3349.8</i>
2.5°	<i>3336.2</i>	<i>3350.3</i>	<i>3332.8</i>	<i>3351.7</i>	<i>3356.6</i>
5°	3328.0	3339.6	3316.4	3326.5	<i>3322.2</i>
7.5°	3313.0	3316.9	3289.2	3297.5	<i>3288.8</i>
10°	3290.7	3288.8	3256.3	3272.3	<i>3274.2</i>
12.5°	3257.8	3251.9	3222.9	3247.1	<i>3247.6</i>
15°	3220.0	3207.4	3184.6	3212.7	<i>3216.6</i>
17.5°	3176.4	3159.9	3144.9	3181.2	<i>3175.4</i>
20°	3125.5	3106.2	3103.3	3143.0	<i>3128.4</i>
22.5°	3062.6	3047.6	3054.3	3092.1	<i>3082.9</i>
25°	2991.4	2978.3	2999.1	3026.7	<i>3018.0</i>
27.5°	2916.3	2908.5	2932.3	2953.6	<i>2936.6</i>
30°	2834.0	2829.6	2861.1	2878.5	<i>2857.2</i>
32.5°	2744.3	2745.8	2775.8	2799.6	<i>2779.7</i>
35°	2651.3	2657.6	2684.8	2713.3	<i>2702.7</i>
37.5°	2549.2	2563.2	2590.3	2622.8	<i>2611.6</i>
40°	2441.1	2461.5	2491.5	2530.7	<i>2520.6</i>
42.5°	2324.4	2350.1	2388.8	2432.4	<i>2431.5</i>
45°	2200.4	2236.3	2277.9	2336.0	<i>2343.3</i>
47.5°	2071.6	2111.8	2164.6	2242.1	<i>2253.2</i>
50°	1931.6	1982.0	2047.8	2140.8	<i>2147.6</i>
52.5°	1775.6	1844.4	1931.6	2020.7	<i>2012.5</i>
55°	1619.2	1697.2	1812.9	1885.6	<i>1881.2</i>
57.5°	1463.2	1550.9	1691.4	1743.2	<i>1742.7</i>
60°	1288.9	1399.8	1553.3	1592.6	<i>1553.8</i>
62.5°	1127.6	1246.7	1406.1	1377.5	<i>1244.8</i>
65°	950.3	1099.0	1247.7	1053.0	<i>859.7</i>
67.5°	792.9	947.9	1059.8	721.2	<i>617.6</i>
70°	634.5	805.5	826.3	535.2	<i>527.9</i>
72.5°	494.0	676.2	570.1	458.2	<i>481.4</i>
75°	373.9	542.5	399.1	408.3	<i>434.9</i>
77.5°	272.7	416.5	310.5	357.9	<i>379.7</i>
80°	187.4	295.0	253.3	300.8	<i>315.8</i>
82.5°	117.7	194.7	202.9	242.2	<i>257.7</i>
85°	64.4	123.5	158.4	191.3	<i>200.5</i>
87.5°	26.6	74.6	121.1	147.7	<i>155.5</i>
90°	0.5	41.2	81.9	102.7	<i>107.5</i>
92.5°	0.5	31.5	66.8	82.8	<i>86.2</i>
95°	0.5	25.7	56.2	68.3	<i>70.2</i>
97.5°	1.0	20.3	47.0	56.7	<i>58.6</i>
100°	1.5	17.0	39.2	47.5	<i>48.9</i>
102.5°	1.9	13.6	32.9	39.7	<i>41.2</i>
105°	1.9	11.1	27.6	33.4	<i>34.9</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	6.8	16.5	20.8	21.8
115°	3.9	5.8	14.0	17.9	18.9
117.5°	3.9	4.8	12.1	15.0	16.0
120°	3.9	4.4	10.7	13.1	13.6
122.5°	3.9	3.9	9.2	11.6	12.1
125°	3.4	3.9	8.7	10.2	10.7
127.5°	3.9	3.9	7.7	9.2	9.7
130°	3.9	4.4	6.8	8.7	8.7
132.5°	4.4	4.8	6.3	8.2	8.2
135°	4.4	4.8	5.3	7.7	8.2
137.5°	4.8	4.8	4.8	7.3	7.7
140°	4.8	4.8	4.4	6.3	6.8
142.5°	4.4	4.8	4.4	5.8	6.3
145°	4.4	4.8	4.8	5.3	5.8
147.5°	4.8	4.8	4.8	4.8	5.3
150°	4.8	4.8	4.8	4.8	4.8
152.5°	4.8	4.8	4.8	4.8	4.8
155°	4.8	5.3	5.3	5.3	4.8
157.5°	4.8	5.3	5.3	5.3	5.3
160°	4.8	5.3	5.3	5.3	5.3
162.5°	5.3	5.3	5.3	5.3	5.3
165°	5.3	5.3	5.3	5.3	5.3
167.5°	5.3	5.8	5.3	5.3	5.3
170°	5.3	5.3	5.3	4.8	4.8
172.5°	5.3	5.3	5.3	4.8	4.8
175°	5.3	5.3	4.8	4.4	4.4
177.5°	5.8	5.3	4.8	4.4	3.9
180°	4.8	4.8	4.8	4.8	4.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.4	9.2	23.7	28.6	29.5
110°	2.9	7.7	19.9	24.2	25.2



(END OF REPORT)