

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: P830895

Luminaire Tested: **OHBL-9HE-MCL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830895
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: OHBL-9HE-MCL-UNV-L730-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

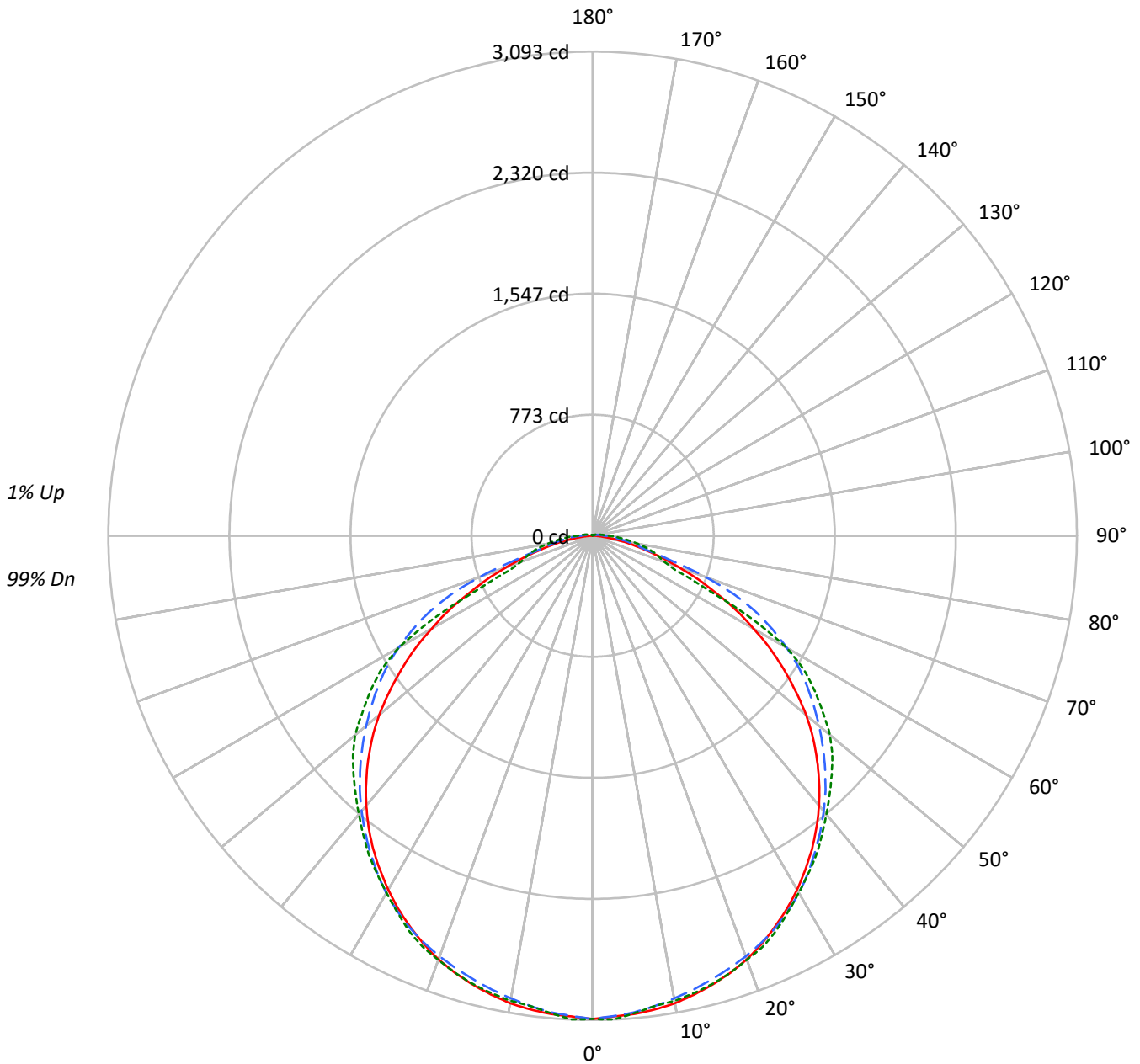
Lumens per Lamp: N/A
Luminaire Lumens: 8724.0 lumens
Efficiency: N/A
Efficacy: 167.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	5272	5272	5272
5°	5237	5193	5203
10°	5218	5112	5142
15°	5185	5051	5104
20°	5152	5011	5055
25°	5090	4972	5007
30°	5022	4910	4909
35°	4941	4815	4853
40°	4836	4715	4777
45°	4691	4601	4741
50°	4493	4471	4698
55°	4180	4342	4517
60°	3769	4156	4169
65°	3233	3813	2636
70°	2604	2971	1906
75°	1952	1758	1926
80°	1359	1455	1826
85°	774	1321	1690



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.0	3.3
10°-20°	834.5	9.6
20°-30°	1274.6	14.6
30°-40°	1546.5	17.7
40°-50°	1620.9	18.6
50°-60°	1468.8	16.8
60°-70°	984.8	11.3
70°-80°	442.2	5.1
80°-90°	160.5	1.8
90°-100°	48.3	0.6
100°-110°	22.8	0.3
110°-120°	11.4	0.1
120°-130°	6.3	0.1
130°-140°	4.3	0.0
140°-150°	2.9	0.0
150°-160°	2.2	0.0
160°-170°	1.4	0.0
170°-180°	0.4	0.0
0°-30°	2400.2	27.5
0°-40°	3946.7	45.2
0°-60°	7036.5	80.7
0°-90°	8623.9	98.9
90°-120°	82.5	0.9
90°-150°	96.1	1.1
90°-180°	100.0	1.1
0°-180°	8724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3087	3087	3087	3087	3087	
5°	3066	3077	3056	3065	3061	292
15°	2967	2955	2934	2960	2964	838
25°	2756	2744	2763	2789	2781	1270
35°	2443	2449	2474	2500	2490	1527
45°	2028	2060	2099	2152	2159	1562
55°	1492	1564	1670	1737	1733	1332
65°	876	1013	1150	970	792	872
75°	344	500	368	376	401	377
85°	59	114	146	176	185	72
90°	0	38	75	95	99	4
95°	0	24	52	63	65	1
105°	2	10	25	31	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°	3086.6	3086.6	3086.6	3086.6	<i>3086.6</i>
2.5°	<i>3074.1</i>	<i>3087.0</i>	<i>3070.9</i>	<i>3088.3</i>	<i>3092.8</i>
5°	3066.5	3077.2	3055.8	3065.1	<i>3061.1</i>
7.5°	3052.6	3056.2	3030.8	3038.4	<i>3030.3</i>
10°	3032.1	3030.3	3000.4	3015.2	<i>3016.9</i>
12.5°	3001.8	2996.4	2969.6	2991.9	<i>2992.4</i>
15°	2967.0	2955.3	2934.4	2960.3	<i>2963.8</i>
17.5°	2926.8	2911.6	2897.8	2931.2	<i>2925.9</i>
20°	2879.9	2862.1	2859.4	2896.0	<i>2882.6</i>
22.5°	2821.9	2808.1	2814.3	2849.1	<i>2840.7</i>
25°	2756.3	2744.3	2763.4	2788.9	<i>2780.8</i>
27.5°	2687.1	2680.0	2701.9	2721.5	<i>2705.9</i>
30°	2611.3	2607.2	2636.2	2652.3	<i>2632.7</i>
32.5°	2528.7	2530.0	2557.7	2579.6	<i>2561.3</i>
35°	2443.0	2448.8	2473.8	2500.1	<i>2490.3</i>
37.5°	2348.8	2361.8	2386.8	2416.7	<i>2406.4</i>
40°	2249.3	2268.1	2295.7	2331.9	<i>2322.5</i>
42.5°	2141.8	2165.4	2201.1	2241.3	<i>2240.4</i>
45°	2027.5	2060.5	2098.9	2152.5	<i>2159.2</i>
47.5°	1908.8	1945.8	1994.5	2065.9	<i>2076.2</i>
50°	1779.8	1826.2	1886.9	1972.6	<i>1978.9</i>
52.5°	1636.1	1699.5	1779.8	1861.9	<i>1854.3</i>
55°	1492.0	1563.8	1670.5	1737.4	<i>1733.4</i>
57.5°	1348.2	1429.0	1558.5	1606.2	<i>1605.8</i>
60°	1187.6	1289.8	1431.3	1467.4	<i>1431.7</i>
62.5°	1039.0	1148.8	1295.6	1269.3	<i>1147.0</i>
65°	875.6	1012.6	1149.6	970.2	<i>792.2</i>
67.5°	730.6	873.4	976.5	664.5	<i>569.0</i>
70°	584.6	742.2	761.4	493.2	<i>486.5</i>
72.5°	455.2	623.0	525.3	422.2	<i>443.6</i>
75°	344.5	499.8	367.7	376.2	<i>400.8</i>
77.5°	251.3	383.8	286.1	329.8	<i>349.9</i>
80°	172.7	271.8	233.4	277.1	<i>291.0</i>
82.5°	108.4	179.4	187.0	223.1	<i>237.4</i>
85°	59.4	113.8	145.9	176.3	<i>184.8</i>
87.5°	24.5	68.7	111.6	136.1	<i>143.3</i>
90°	0.4	37.9	75.4	94.6	<i>99.1</i>
92.5°	0.4	29.0	61.6	76.3	<i>79.4</i>
95°	0.4	23.7	51.8	62.9	<i>64.7</i>
97.5°	0.9	18.7	43.3	52.2	<i>54.0</i>
100°	1.3	15.6	36.1	43.7	<i>45.1</i>
102.5°	1.8	12.5	30.3	36.6	<i>37.9</i>
105°	1.8	10.3	25.4	30.8	<i>32.1</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	6.2	15.2	19.2	20.1
115°	3.6	5.4	12.9	16.5	17.4
117.5°	3.6	4.5	11.2	13.8	14.7
120°	3.6	4.0	9.8	12.0	12.5
122.5°	3.6	3.6	8.5	10.7	11.2
125°	3.1	3.6	8.0	9.4	9.8
127.5°	3.6	3.6	7.1	8.5	8.9
130°	3.6	4.0	6.2	8.0	8.0
132.5°	4.0	4.5	5.8	7.6	7.6
135°	4.0	4.5	4.9	7.1	7.6
137.5°	4.5	4.5	4.5	6.7	7.1
140°	4.5	4.5	4.0	5.8	6.2
142.5°	4.0	4.5	4.0	5.4	5.8
145°	4.0	4.5	4.5	4.9	5.4
147.5°	4.5	4.5	4.5	4.5	4.9
150°	4.5	4.5	4.5	4.5	4.5
152.5°	4.5	4.5	4.5	4.5	4.5
155°	4.5	4.9	4.9	4.9	4.5
157.5°	4.5	4.9	4.9	4.9	4.9
160°	4.5	4.9	4.9	4.9	4.9
162.5°	4.9	4.9	4.9	4.9	4.9
165°	4.9	4.9	4.9	4.9	4.9
167.5°	4.9	5.4	4.9	4.9	4.9
170°	4.9	4.9	4.9	4.5	4.5
172.5°	4.9	4.9	4.9	4.5	4.5
175°	4.9	4.9	4.5	4.0	4.0
177.5°	5.4	4.9	4.5	4.0	3.6
180°	4.5	4.5	4.5	4.5	4.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.2	8.5	21.9	26.3	27.2
110°	2.7	7.1	18.3	22.3	23.2



(END OF REPORT)