

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: P830177

Luminaire Tested: **OHBL-30HE-MCL-UNV-L740-CD**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P830177  
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-30HE-MCL-UNV-L740-CD  
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

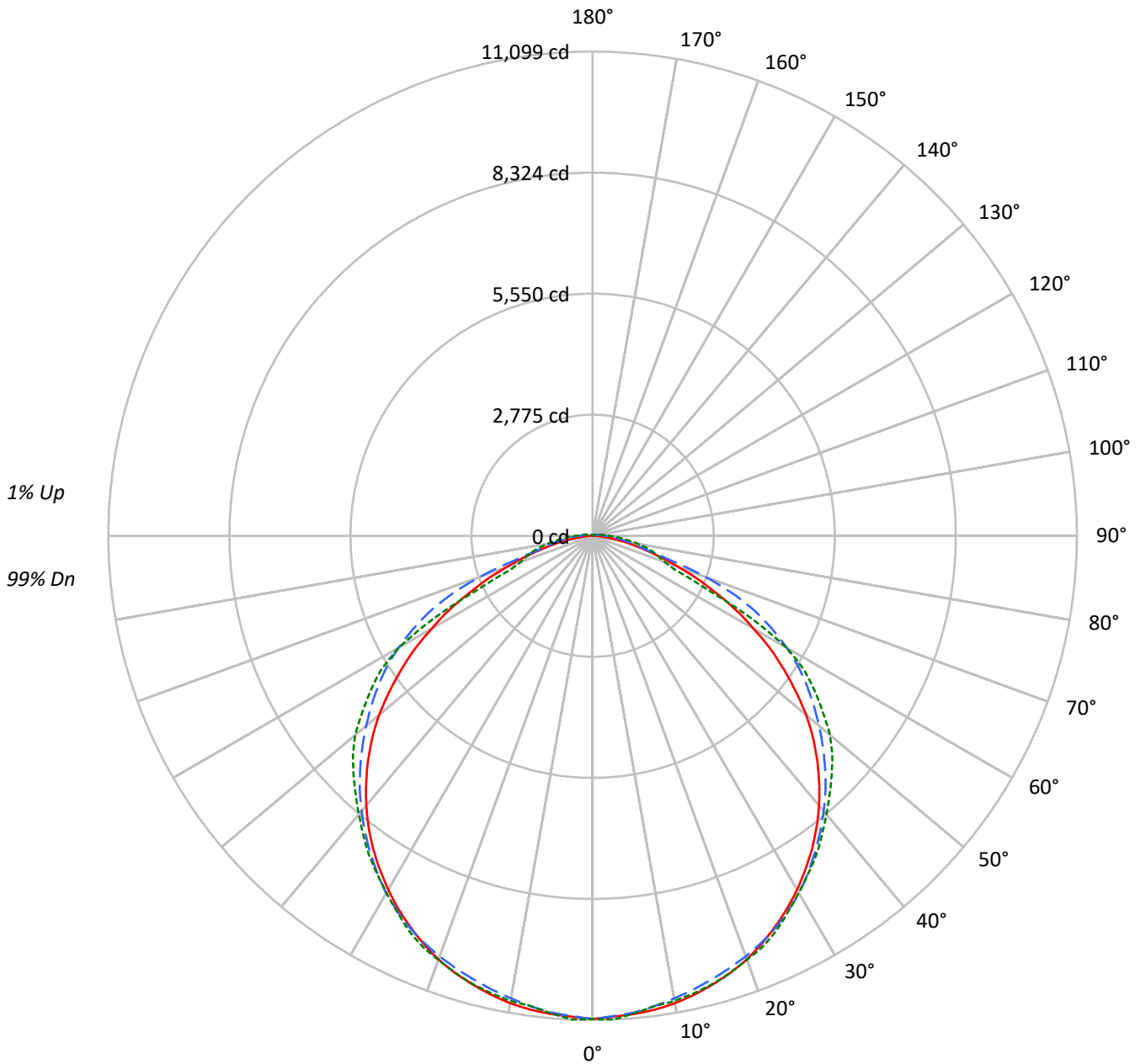
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31306.9 lumens  
Efficiency: N/A  
Efficacy: 191.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 163.8  
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°	17517	17517	17517
5°	17403	17263	17299
10°	17339	17001	17107
15°	17229	16806	16992
20°	17119	16682	16842
25°	16912	16558	16693
30°	16688	16363	16377
35°	16419	16053	16203
40°	16070	15732	15966
45°	15586	15361	15861
50°	14930	14939	15735
55°	13888	14524	15148
60°	12524	13916	14004
65°	10743	12788	8875
70°	8653	9983	6435
75°	6487	5926	6531
80°	4516	4927	6235
85°	2570	4515	5844



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1044.4	3.3
10°-20°	2994.9	9.6
20°-30°	4574.1	14.6
30°-40°	5550.0	17.7
40°-50°	5816.9	18.6
50°-60°	5271.0	16.8
60°-70°	3534.0	11.3
70°-80°	1586.9	5.1
80°-90°	575.9	1.8
90°-100°	173.3	0.6
100°-110°	81.8	0.3
110°-120°	41.0	0.1
120°-130°	22.6	0.1
130°-140°	15.5	0.0
140°-150°	10.4	0.0
150°-160°	7.8	0.0
160°-170°	5.0	0.0
170°-180°	1.6	0.0
0°-30°	8613.4	27.5
0°-40°	14163.3	45.2
0°-60°	25251.2	80.7
0°-90°	30947.9	98.9
90°-120°	296.1	0.9
90°-150°	344.7	1.1
90°-180°	359.0	1.1
0°-180°	31306.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11076	11076	11076	11076	11076	
5°	11004	11043	10966	11000	10985	###
15°	10647	10606	10530	10623	10636	3006
25°	9891	9848	9917	10008	9979	4559
35°	8767	8788	8878	8972	8937	5480
45°	7276	7394	7532	7724	7748	5605
55°	5354	5612	5995	6235	6220	4779
65°	3142	3634	4126	3482	2843	3131
75°	1236	1794	1320	1350	1438	1351
85°	213	408	524	633	663	260
90°	2	136	271	340	356	13
95°	2	85	186	226	232	2
105°	6	37	91	110	115	7
115°	13	19	46	59	62	12
125°	11	13	29	34	35	11
135°	14	16	18	26	27	11
145°	14	16	16	18	19	10
155°	16	18	18	18	16	7
165°	18	18	18	18	18	5
175°	18	18	16	14	14	2
180°	16	16	16	16	16	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11076.4	11076.4	11076.4	11076.4	<i>11076.4</i>
2.5°	<i>11031.6</i>	<i>11078.0</i>	<i>11020.4</i>	<i>11082.8</i>	<i>11098.9</i>
5°	11004.4	11042.8	10965.9	10999.6	<i>10985.2</i>
7.5°	10954.7	10967.5	10876.2	10903.5	<i>10874.6</i>
10°	10881.1	10874.6	10767.3	10820.2	<i>10826.6</i>
12.5°	10772.1	10752.9	10656.8	10736.9	<i>10738.5</i>
15°	10647.2	10605.6	10530.3	10623.2	<i>10636.0</i>
17.5°	10503.1	10448.6	10399.0	10519.1	<i>10499.9</i>
20°	10334.9	10270.9	10261.2	10392.6	<i>10344.5</i>
22.5°	10126.7	10077.1	10099.5	10224.4	<i>10194.0</i>
25°	9891.3	9848.0	9916.9	10008.2	<i>9979.4</i>
27.5°	9643.0	9617.4	9695.9	9766.4	<i>9710.3</i>
30°	9370.8	9356.4	9460.5	9518.1	<i>9447.6</i>
32.5°	9074.5	9079.3	9178.6	9257.1	<i>9191.4</i>
35°	8767.0	8787.8	8877.5	8972.0	<i>8936.7</i>
37.5°	8429.1	8475.5	8565.2	8672.5	<i>8635.7</i>
40°	8071.9	8139.2	8238.5	8368.2	<i>8334.6</i>
42.5°	7685.9	7770.8	7898.9	8043.1	<i>8039.9</i>
45°	7275.9	7394.4	7532.2	7724.4	<i>7748.4</i>
47.5°	6849.9	6982.8	7157.4	7413.7	<i>7450.5</i>
50°	6387.1	6553.6	6771.4	7078.9	<i>7101.4</i>
52.5°	5871.3	6098.8	6387.1	6681.7	<i>6654.5</i>
55°	5354.0	5611.9	5994.7	6234.9	<i>6220.5</i>
57.5°	4838.3	5128.2	5592.7	5764.0	<i>5762.4</i>
60°	4261.8	4628.5	5136.2	5266.0	<i>5137.8</i>
62.5°	3728.4	4122.4	4649.4	4554.9	<i>4116.0</i>
65°	3142.3	3634.0	4125.6	3481.8	<i>2842.8</i>
67.5°	2621.8	3134.3	3504.2	2384.7	<i>2042.0</i>
70°	2098.1	2663.4	2732.3	1769.7	<i>1745.7</i>
72.5°	1633.6	2235.8	1885.0	1515.1	<i>1592.0</i>
75°	1236.4	1793.8	1319.7	1350.1	<i>1438.2</i>
77.5°	901.7	1377.3	1026.6	1183.6	<i>1255.6</i>
80°	619.8	975.4	837.6	994.6	<i>1044.2</i>
82.5°	389.2	643.8	671.1	800.8	<i>852.0</i>
85°	213.0	408.4	523.7	632.6	<i>663.0</i>
87.5°	88.1	246.6	400.4	488.5	<i>514.1</i>
90°	1.6	136.1	270.7	339.5	<i>355.5</i>
92.5°	1.6	104.1	221.0	273.9	<i>285.1</i>
95°	1.6	84.9	185.8	225.8	<i>232.2</i>
97.5°	3.2	67.3	155.4	187.4	<i>193.8</i>
100°	4.8	56.1	129.7	157.0	<i>161.8</i>
102.5°	6.4	44.8	108.9	131.3	<i>136.1</i>
105°	6.4	36.8	91.3	110.5	<i>115.3</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.2	22.4	54.5	68.9	72.1
115°	12.8	19.2	46.4	59.3	62.5
117.5°	12.8	16.0	40.0	49.6	52.9
120°	12.8	14.4	35.2	43.2	44.8
122.5°	12.8	12.8	30.4	38.4	40.0
125°	11.2	12.8	28.8	33.6	35.2
127.5°	12.8	12.8	25.6	30.4	32.0
130°	12.8	14.4	22.4	28.8	28.8
132.5°	14.4	16.0	20.8	27.2	27.2
135°	14.4	16.0	17.6	25.6	27.2
137.5°	16.0	16.0	16.0	24.0	25.6
140°	16.0	16.0	14.4	20.8	22.4
142.5°	14.4	16.0	14.4	19.2	20.8
145°	14.4	16.0	16.0	17.6	19.2
147.5°	16.0	16.0	16.0	16.0	17.6
150°	16.0	16.0	16.0	16.0	16.0
152.5°	16.0	16.0	16.0	16.0	16.0
155°	16.0	17.6	17.6	17.6	16.0
157.5°	16.0	17.6	17.6	17.6	17.6
160°	16.0	17.6	17.6	17.6	17.6
162.5°	17.6	17.6	17.6	17.6	17.6
165°	17.6	17.6	17.6	17.6	17.6
167.5°	17.6	19.2	17.6	17.6	17.6
170°	17.6	17.6	17.6	16.0	16.0
172.5°	17.6	17.6	17.6	16.0	16.0
175°	17.6	17.6	16.0	14.4	14.4
177.5°	19.2	17.6	16.0	14.4	12.8
180°	16.0	16.0	16.0	16.0	16.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	8.0	30.4	78.5	94.5	97.7
110°	9.6	25.6	65.7	80.1	83.3



(END OF REPORT)