

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: P830165

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830165  
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-A-UNV-L740-CD  
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

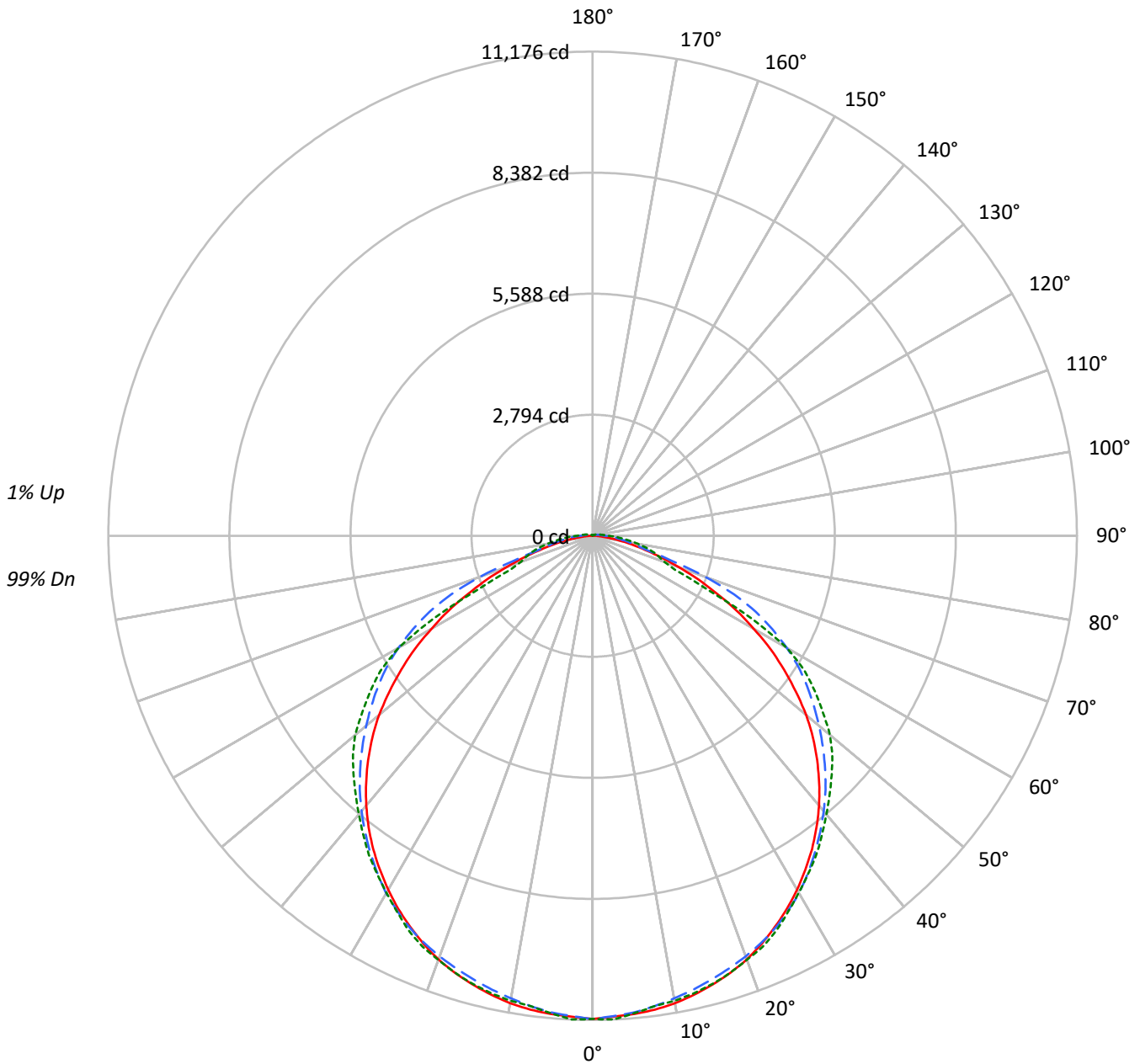
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31523.9 lumens  
Efficiency: N/A  
Efficacy: 192.5 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°	17639	17639	17639
5°	17523	17382	17419
10°	17459	17119	17225
15°	17348	16922	17110
20°	17237	16798	16959
25°	17029	16673	16808
30°	16803	16476	16490
35°	16533	16164	16315
40°	16181	15841	16076
45°	15694	15468	15971
50°	15033	15043	15844
55°	13984	14624	15253
60°	12610	14012	14101
65°	10818	12876	8937
70°	8713	10052	6479
75°	6533	5967	6576
80°	4547	4961	6279
85°	2588	4546	5885



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1051.6	3.3
10°-20°	3015.6	9.6
20°-30°	4605.8	14.6
30°-40°	5588.4	17.7
40°-50°	5857.2	18.6
50°-60°	5307.5	16.8
60°-70°	3558.5	11.3
70°-80°	1597.9	5.1
80°-90°	579.9	1.8
90°-100°	174.5	0.6
100°-110°	82.4	0.3
110°-120°	41.3	0.1
120°-130°	22.8	0.1
130°-140°	15.6	0.0
140°-150°	10.5	0.0
150°-160°	7.8	0.0
160°-170°	5.0	0.0
170°-180°	1.6	0.0
0°-30°	8673.1	27.5
0°-40°	14261.5	45.2
0°-60°	25426.2	80.7
0°-90°	31162.4	98.9
90°-120°	298.2	0.9
90°-150°	347.1	1.1
90°-180°	362.0	1.1
0°-180°	31523.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11153	11153	11153	11153	11153	
5°	11081	11119	11042	11076	11061	###
15°	10721	10679	10603	10697	10710	3027
25°	9960	9916	9986	10078	10048	4591
35°	8828	8849	8939	9034	8999	5518
45°	7326	7446	7584	7778	7802	5644
55°	5391	5651	6036	6278	6264	4812
65°	3164	3659	4154	3506	2862	3153
75°	1245	1806	1329	1360	1448	1361
85°	214	411	527	637	668	262
90°	2	137	272	342	358	13
95°	2	86	187	227	234	2
105°	6	37	92	111	116	7
115°	13	19	47	60	63	12
125°	11	13	29	34	36	11
135°	14	16	18	26	27	12
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°	11153.2	11153.2	11153.2	11153.2	<i>11153.2</i>
2.5°	<i>11108.1</i>	<i>11154.8</i>	<i>11096.8</i>	<i>11159.7</i>	<i>11175.8</i>
5°	11080.6	11119.4	11041.9	11075.8	<i>11061.3</i>
7.5°	11030.7	11043.6	10951.6	10979.0	<i>10950.0</i>
10°	10956.5	10950.0	10842.0	10895.2	<i>10901.6</i>
12.5°	10846.8	10827.5	10730.7	10811.3	<i>10812.9</i>
15°	10721.0	10679.1	10603.3	10696.8	<i>10709.7</i>
17.5°	10575.9	10521.1	10471.1	10592.0	<i>10572.7</i>
20°	10406.6	10342.0	10332.4	10464.6	<i>10416.2</i>
22.5°	10196.9	10146.9	10169.5	10295.3	<i>10264.6</i>
25°	9959.8	9916.3	9985.6	10077.6	<i>10048.5</i>
27.5°	9709.9	9684.1	9763.1	9834.1	<i>9777.6</i>
30°	9435.7	9421.2	9526.0	9584.1	<i>9513.1</i>
32.5°	9137.4	9142.2	9242.2	9321.2	<i>9255.1</i>
35°	8827.7	8848.7	8939.0	9034.2	<i>8998.7</i>
37.5°	8487.5	8534.2	8624.6	8732.6	<i>8695.5</i>
40°	8127.9	8195.6	8295.6	8426.2	<i>8392.3</i>
42.5°	7739.2	7824.7	7953.7	8098.8	<i>8095.6</i>
45°	7326.4	7445.7	7584.4	7777.9	<i>7802.1</i>
47.5°	6897.4	7031.2	7207.0	7465.0	<i>7502.1</i>
50°	6431.3	6599.0	6818.4	7128.0	<i>7150.6</i>
52.5°	5912.0	6141.0	6431.3	6728.1	<i>6700.6</i>
55°	5391.2	5650.8	6036.2	6278.1	<i>6263.6</i>
57.5°	4871.9	5163.8	5631.4	5804.0	<i>5802.4</i>
60°	4291.3	4660.6	5171.8	5302.5	<i>5173.4</i>
62.5°	3754.3	4151.0	4681.6	4586.4	<i>4144.6</i>
65°	3164.1	3659.1	4154.2	3505.9	<i>2862.5</i>
67.5°	2639.9	3156.0	3528.5	2401.3	<i>2056.2</i>
70°	2112.6	2681.9	2751.2	1782.0	<i>1757.8</i>
72.5°	1644.9	2251.3	1898.1	1525.6	<i>1603.0</i>
75°	1245.0	1806.2	1328.8	1359.5	<i>1448.2</i>
77.5°	907.9	1386.9	1033.7	1191.8	<i>1264.3</i>
80°	624.1	982.1	843.4	1001.5	<i>1051.5</i>
82.5°	391.9	648.3	675.7	806.3	<i>857.9</i>
85°	214.5	411.2	527.3	637.0	<i>667.6</i>
87.5°	88.7	248.4	403.2	491.9	<i>517.7</i>
90°	1.6	137.1	272.5	341.9	<i>358.0</i>
92.5°	1.6	104.8	222.5	275.8	<i>287.1</i>
95°	1.6	85.5	187.1	227.4	<i>233.8</i>
97.5°	3.2	67.7	156.4	188.7	<i>195.1</i>
100°	4.8	56.4	130.6	158.0	<i>162.9</i>
102.5°	6.5	45.2	109.7	132.2	<i>137.1</i>
105°	6.5	37.1	91.9	111.3	<i>116.1</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.3	22.6	54.8	69.3	72.6
115°	12.9	19.4	46.8	59.7	62.9
117.5°	12.9	16.1	40.3	50.0	53.2
120°	12.9	14.5	35.5	43.5	45.2
122.5°	12.9	12.9	30.6	38.7	40.3
125°	11.3	12.9	29.0	33.9	35.5
127.5°	12.9	12.9	25.8	30.6	32.3
130°	12.9	14.5	22.6	29.0	29.0
132.5°	14.5	16.1	21.0	27.4	27.4
135°	14.5	16.1	17.7	25.8	27.4
137.5°	16.1	16.1	16.1	24.2	25.8
140°	16.1	16.1	14.5	21.0	22.6
142.5°	14.5	16.1	14.5	19.4	21.0
145°	14.5	16.1	16.1	17.7	19.4
147.5°	16.1	16.1	16.1	16.1	17.7
150°	16.1	16.1	16.1	16.1	16.1
152.5°	16.1	16.1	16.1	16.1	16.1
155°	16.1	17.7	17.7	17.7	16.1
157.5°	16.1	17.7	17.7	17.7	17.7
160°	16.1	17.7	17.7	17.7	17.7
162.5°	17.7	17.7	17.7	17.7	17.7
165°	17.7	17.7	17.7	17.7	17.7
167.5°	17.7	19.4	17.7	17.7	17.7
170°	17.7	17.7	17.7	16.1	16.1
172.5°	17.7	17.7	17.7	16.1	16.1
175°	17.7	17.7	16.1	14.5	14.5
177.5°	19.4	17.7	16.1	14.5	12.9
180°	16.1	16.1	16.1	16.1	16.1



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	8.1	30.6	79.0	95.1	98.4
110°	9.7	25.8	66.1	80.6	83.9



(END OF REPORT)