

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: P830180

Luminaire Tested: **OHBL-30HE-MCL-UNV-L835-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830180  
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-L835-CD  
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

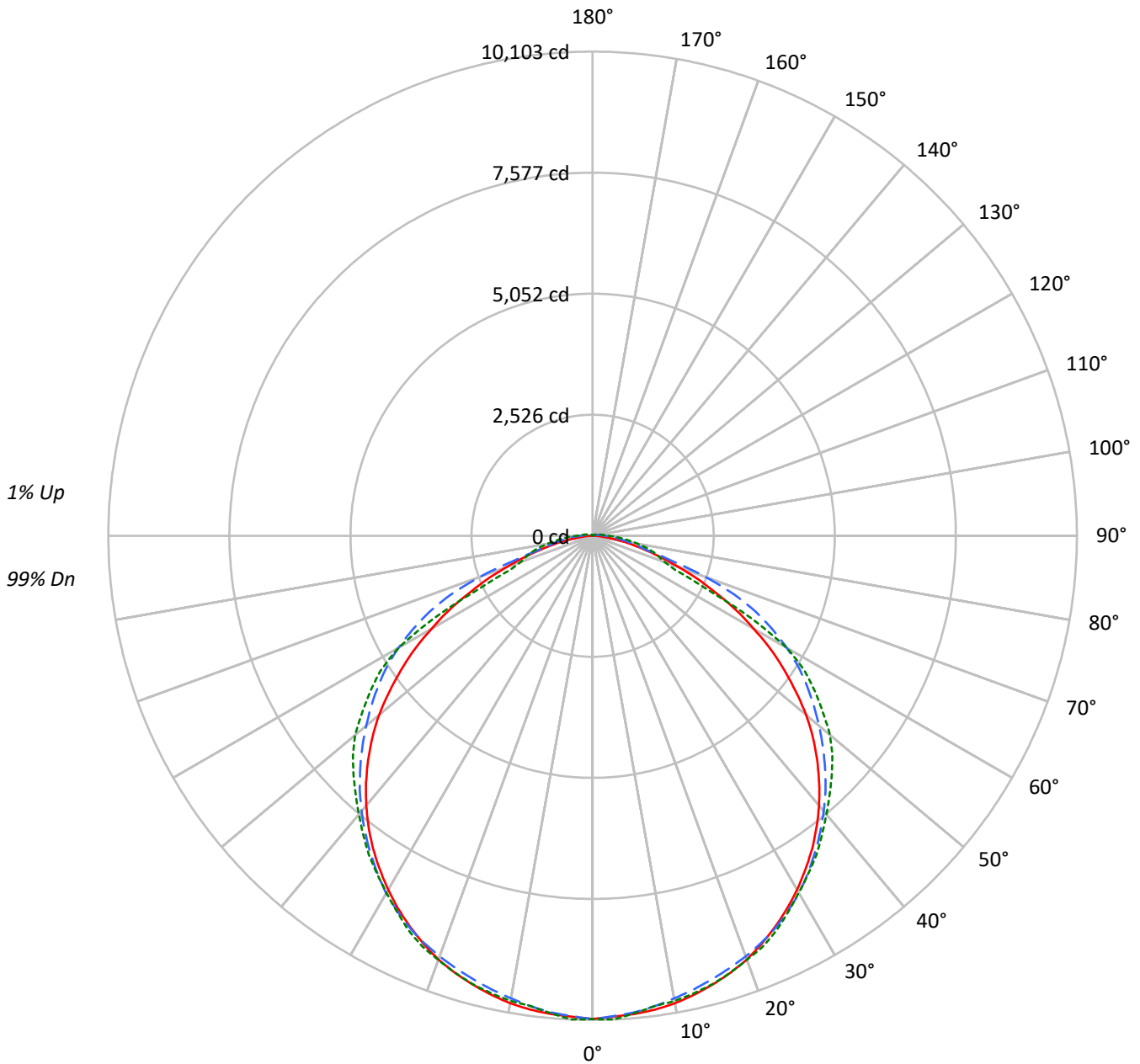
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28499.0 lumens  
Efficiency: N/A  
Efficacy: 174.0 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°	15946	15946	15946
5°	15842	15714	15747
10°	15784	15476	15572
15°	15683	15298	15468
20°	15583	15186	15331
25°	15395	15073	15196
30°	15191	14895	14908
35°	14946	14613	14750
40°	14628	14321	14534
45°	14188	13983	14438
50°	13591	13599	14324
55°	12642	13221	13789
60°	11400	12668	12748
65°	9779	11641	8079
70°	7877	9087	5857
75°	5906	5394	5945
80°	4111	4485	5676
85°	2340	4110	5321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	950.7	3.3
10°-20°	2726.2	9.6
20°-30°	4163.8	14.6
30°-40°	5052.2	17.7
40°-50°	5295.1	18.6
50°-60°	4798.2	16.8
60°-70°	3217.0	11.3
70°-80°	1444.6	5.1
80°-90°	524.2	1.8
90°-100°	157.8	0.6
100°-110°	74.4	0.3
110°-120°	37.3	0.1
120°-130°	20.6	0.1
130°-140°	14.2	0.0
140°-150°	9.5	0.0
150°-160°	7.1	0.0
160°-170°	4.5	0.0
170°-180°	1.4	0.0
0°-30°	7840.8	27.5
0°-40°	12893.0	45.2
0°-60°	22986.3	80.7
0°-90°	28172.1	98.9
90°-120°	269.6	0.9
90°-150°	313.8	1.1
90°-180°	327.0	1.1
0°-180°	28499.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10083	10083	10083	10083	10083	
5°	10017	10052	9982	10013	10000	953
15°	9692	9654	9586	9670	9682	2737
25°	9004	8965	9027	9110	9084	4150
35°	7981	8000	8081	8167	8135	4988
45°	6623	6731	6857	7032	7053	5102
55°	4874	5108	5457	5676	5663	4350
65°	2860	3308	3756	3170	2588	2850
75°	1126	1633	1201	1229	1309	1230
85°	194	372	477	576	604	237
90°	2	124	246	309	324	12
95°	2	77	169	206	211	2
105°	6	34	83	101	105	7
115°	12	18	42	54	57	11
125°	10	12	26	31	32	10
135°	13	15	16	23	25	10
145°	13	15	15	16	18	9
155°	15	16	16	16	15	7
165°	16	16	16	16	16	4
175°	16	16	15	13	13	2
180°	15	15	15	15	15	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10083.0	10083.0	10083.0	10083.0	<i>10083.0</i>
2.5°	<i>10042.1</i>	<i>10084.4</i>	<i>10031.9</i>	<i>10088.8</i>	<i>10103.4</i>
5°	10017.4	10052.4	9982.4	10013.0	<i>9999.9</i>
7.5°	9972.2	9983.8	9900.7	9925.5	<i>9899.3</i>
10°	9905.1	9899.3	9801.6	9849.7	<i>9855.5</i>
12.5°	9806.0	9788.5	9701.0	9773.9	<i>9775.3</i>
15°	9692.2	9654.3	9585.8	9670.4	<i>9682.0</i>
17.5°	9561.0	9511.5	9466.3	9575.6	<i>9558.1</i>
20°	9408.0	9349.6	9340.9	9460.4	<i>9416.7</i>
22.5°	9218.4	9173.2	9193.6	9307.4	<i>9279.7</i>
25°	9004.1	8964.7	9027.4	9110.5	<i>9084.3</i>
27.5°	8778.1	8754.8	8826.2	8890.4	<i>8839.4</i>
30°	8530.3	8517.2	8611.9	8664.4	<i>8600.3</i>
32.5°	8260.6	8264.9	8355.3	8426.8	<i>8367.0</i>
35°	7980.7	7999.6	8081.2	8167.3	<i>8135.2</i>
37.5°	7673.0	7715.3	7797.0	7894.6	<i>7861.1</i>
40°	7347.9	7409.1	7499.5	7617.6	<i>7587.0</i>
42.5°	6996.6	7073.8	7190.5	7321.7	<i>7318.8</i>
45°	6623.3	6731.2	6856.6	7031.5	<i>7053.4</i>
47.5°	6235.5	6356.5	6515.4	6748.7	<i>6782.2</i>
50°	5814.2	5965.8	6164.1	6444.0	<i>6464.4</i>
52.5°	5344.7	5551.8	5814.2	6082.4	<i>6057.7</i>
55°	4873.8	5108.5	5457.0	5675.7	<i>5662.6</i>
57.5°	4404.4	4668.3	5091.1	5247.1	<i>5245.6</i>
60°	3879.5	4213.4	4675.5	4793.6	<i>4677.0</i>
62.5°	3394.0	3752.7	4232.3	4146.3	<i>3746.9</i>
65°	2860.4	3308.0	3755.6	3169.5	<i>2587.8</i>
67.5°	2386.6	2853.1	3189.9	2170.8	<i>1858.8</i>
70°	1909.9	2424.5	2487.2	1611.0	<i>1589.1</i>
72.5°	1487.1	2035.3	1716.0	1379.2	<i>1449.2</i>
75°	1125.5	1632.9	1201.3	1229.0	<i>1309.2</i>
77.5°	820.8	1253.8	934.5	1077.4	<i>1143.0</i>
80°	564.2	887.9	762.5	905.4	<i>950.6</i>
82.5°	354.3	586.1	610.9	729.0	<i>775.6</i>
85°	193.9	371.8	476.7	575.9	<i>603.6</i>
87.5°	80.2	224.5	364.5	444.7	<i>468.0</i>
90°	1.5	123.9	246.4	309.1	<i>323.7</i>
92.5°	1.5	94.8	201.2	249.3	<i>259.5</i>
95°	1.5	77.3	169.1	205.6	<i>211.4</i>
97.5°	2.9	61.2	141.4	170.6	<i>176.4</i>
100°	4.4	51.0	118.1	142.9	<i>147.2</i>
102.5°	5.8	40.8	99.1	119.5	<i>123.9</i>
105°	5.8	33.5	83.1	100.6	<i>105.0</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.2	20.4	49.6	62.7	65.6
115°	11.7	17.5	42.3	53.9	56.9
117.5°	11.7	14.6	36.4	45.2	48.1
120°	11.7	13.1	32.1	39.4	40.8
122.5°	11.7	11.7	27.7	35.0	36.4
125°	10.2	11.7	26.2	30.6	32.1
127.5°	11.7	11.7	23.3	27.7	29.2
130°	11.7	13.1	20.4	26.2	26.2
132.5°	13.1	14.6	19.0	24.8	24.8
135°	13.1	14.6	16.0	23.3	24.8
137.5°	14.6	14.6	14.6	21.9	23.3
140°	14.6	14.6	13.1	19.0	20.4
142.5°	13.1	14.6	13.1	17.5	19.0
145°	13.1	14.6	14.6	16.0	17.5
147.5°	14.6	14.6	14.6	14.6	16.0
150°	14.6	14.6	14.6	14.6	14.6
152.5°	14.6	14.6	14.6	14.6	14.6
155°	14.6	16.0	16.0	16.0	14.6
157.5°	14.6	16.0	16.0	16.0	16.0
160°	14.6	16.0	16.0	16.0	16.0
162.5°	16.0	16.0	16.0	16.0	16.0
165°	16.0	16.0	16.0	16.0	16.0
167.5°	16.0	17.5	16.0	16.0	16.0
170°	16.0	16.0	16.0	14.6	14.6
172.5°	16.0	16.0	16.0	14.6	14.6
175°	16.0	16.0	14.6	13.1	13.1
177.5°	17.5	16.0	14.6	13.1	11.7
180°	14.6	14.6	14.6	14.6	14.6



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	7.3	27.7	71.4	86.0	88.9
110°	8.7	23.3	59.8	72.9	75.8



(END OF REPORT)