

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: P830179

Luminaire Tested: **OHBL-30HE-MCL-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830179
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-L830-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

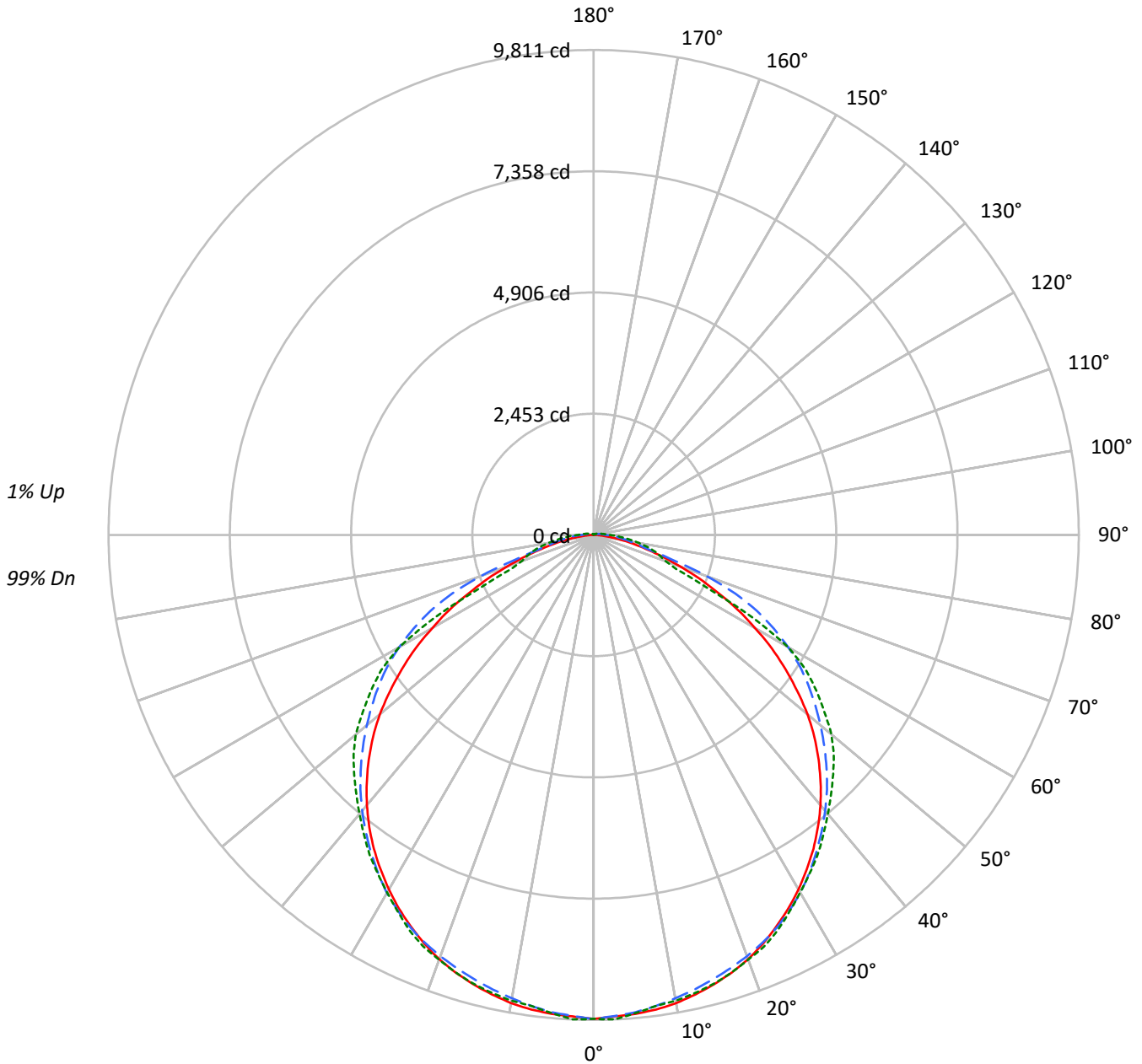
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27673.0 lumens
Efficiency: N/A
Efficacy: 168.9 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_{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°	15484	15484	15484
5°	15382	15259	15291
10°	15326	15028	15121
15°	15229	14855	15020
20°	15132	14746	14887
25°	14949	14636	14755
30°	14750	14463	14476
35°	14513	14189	14322
40°	14204	13906	14112
45°	13777	13578	14020
50°	13197	13205	13909
55°	12276	12838	13389
60°	11070	12300	12379
65°	9496	11303	7845
70°	7649	8824	5688
75°	5734	5238	5773
80°	3992	4355	5511
85°	2272	3991	5166



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	923.2	3.3
10°-20°	2647.2	9.6
20°-30°	4043.2	14.6
30°-40°	4905.7	17.7
40°-50°	5141.7	18.6
50°-60°	4659.1	16.8
60°-70°	3123.8	11.3
70°-80°	1402.7	5.1
80°-90°	509.0	1.8
90°-100°	153.2	0.6
100°-110°	72.3	0.3
110°-120°	36.2	0.1
120°-130°	20.0	0.1
130°-140°	13.8	0.0
140°-150°	9.3	0.0
150°-160°	6.9	0.0
160°-170°	4.4	0.0
170°-180°	1.4	0.0
0°-30°	7613.6	27.5
0°-40°	12519.3	45.2
0°-60°	22320.1	80.7
0°-90°	27355.6	98.9
90°-120°	261.7	0.9
90°-150°	304.7	1.1
90°-180°	317.0	1.1
0°-180°	27673.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9791	9791	9791	9791	9791	
5°	9727	9761	9693	9723	9710	925
15°	9411	9374	9308	9390	9401	2657
25°	8743	8705	8766	8846	8821	4030
35°	7749	7768	7847	7930	7899	4844
45°	6431	6536	6658	6828	6849	4954
55°	4733	4960	5299	5511	5498	4224
65°	2778	3212	3647	3078	2513	2767
75°	1093	1586	1166	1193	1271	1194
85°	188	361	463	559	586	230
90°	1	120	239	300	314	11
95°	1	75	164	200	205	2
105°	6	33	81	98	102	7
115°	11	17	41	52	55	11
125°	10	11	26	30	31	10
135°	13	14	16	23	24	10
145°	13	14	14	16	17	8
155°	14	16	16	16	14	7
165°	16	16	16	16	16	4
175°	16	16	14	13	13	2
180°	14	14	14	14	14	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9790.7	9790.7	9790.7	9790.7	9790.7
2.5°	9751.1	9792.1	9741.2	9796.4	9810.6
5°	9727.0	9761.0	9693.0	9722.8	9710.0
7.5°	9683.1	9694.5	9613.8	9637.8	9612.4
10°	9618.0	9612.4	9517.5	9564.2	9569.9
12.5°	9521.8	9504.8	9419.8	9490.6	9492.0
15°	9411.3	9374.5	9308.0	9390.1	9401.4
17.5°	9283.9	9235.8	9191.9	9298.1	9281.1
20°	9135.3	9078.7	9070.2	9186.2	9143.8
22.5°	8951.2	8907.4	8927.2	9037.6	9010.7
25°	8743.1	8704.9	8765.8	8846.5	8821.0
27.5°	8523.7	8501.1	8570.4	8632.7	8583.2
30°	8283.0	8270.3	8362.3	8413.3	8351.0
32.5°	8021.2	8025.4	8113.2	8182.5	8124.5
35°	7749.3	7767.7	7847.0	7930.5	7899.4
37.5°	7450.6	7491.7	7571.0	7665.8	7633.3
40°	7134.9	7194.4	7282.2	7396.8	7367.1
42.5°	6793.8	6868.8	6982.1	7109.5	7106.6
45°	6431.4	6536.1	6657.9	6827.7	6849.0
47.5°	6054.8	6172.3	6326.6	6553.1	6585.7
50°	5645.7	5792.9	5985.4	6257.2	6277.1
52.5°	5189.8	5390.8	5645.7	5906.1	5882.1
55°	4732.6	4960.5	5298.8	5511.2	5498.4
57.5°	4276.7	4533.0	4943.5	5095.0	5093.6
60°	3767.1	4091.3	4540.0	4654.7	4541.4
62.5°	3295.7	3643.9	4109.7	4026.1	3638.3
65°	2777.5	3212.1	3646.7	3077.7	2512.8
67.5°	2317.4	2770.5	3097.5	2107.9	1805.0
70°	1854.5	2354.2	2415.1	1564.3	1543.1
72.5°	1444.0	1976.3	1666.2	1339.2	1407.2
75°	1092.9	1585.5	1166.5	1193.4	1271.3
77.5°	797.0	1217.5	907.4	1046.2	1109.9
80°	547.9	862.1	740.4	879.1	923.0
82.5°	344.0	569.1	593.2	707.8	753.1
85°	188.3	361.0	462.9	559.2	586.1
87.5°	77.9	218.0	353.9	431.8	454.4
90°	1.4	120.3	239.2	300.1	314.3
92.5°	1.4	92.0	195.4	242.1	252.0
95°	1.4	75.0	164.2	199.6	205.3
97.5°	2.8	59.5	137.3	165.6	171.3
100°	4.2	49.5	114.7	138.7	143.0
102.5°	5.7	39.6	96.3	116.1	120.3
105°	5.7	32.6	80.7	97.7	101.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.9	19.8	48.1	60.9	63.7
115°	11.3	17.0	41.1	52.4	55.2
117.5°	11.3	14.2	35.4	43.9	46.7
120°	11.3	12.7	31.1	38.2	39.6
122.5°	11.3	11.3	26.9	34.0	35.4
125°	9.9	11.3	25.5	29.7	31.1
127.5°	11.3	11.3	22.7	26.9	28.3
130°	11.3	12.7	19.8	25.5	25.5
132.5°	12.7	14.2	18.4	24.1	24.1
135°	12.7	14.2	15.6	22.7	24.1
137.5°	14.2	14.2	14.2	21.2	22.7
140°	14.2	14.2	12.7	18.4	19.8
142.5°	12.7	14.2	12.7	17.0	18.4
145°	12.7	14.2	14.2	15.6	17.0
147.5°	14.2	14.2	14.2	14.2	15.6
150°	14.2	14.2	14.2	14.2	14.2
152.5°	14.2	14.2	14.2	14.2	14.2
155°	14.2	15.6	15.6	15.6	14.2
157.5°	14.2	15.6	15.6	15.6	15.6
160°	14.2	15.6	15.6	15.6	15.6
162.5°	15.6	15.6	15.6	15.6	15.6
165°	15.6	15.6	15.6	15.6	15.6
167.5°	15.6	17.0	15.6	15.6	15.6
170°	15.6	15.6	15.6	14.2	14.2
172.5°	15.6	15.6	15.6	14.2	14.2
175°	15.6	15.6	14.2	12.7	12.7
177.5°	17.0	15.6	14.2	12.7	11.3
180°	14.2	14.2	14.2	14.2	14.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.1	26.9	69.4	83.5	86.4
110°	8.5	22.7	58.0	70.8	73.6



(END OF REPORT)