

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: P830184

Luminaire Tested: **OHBL-30HE-MCL-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830184  
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-L935-CD  
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

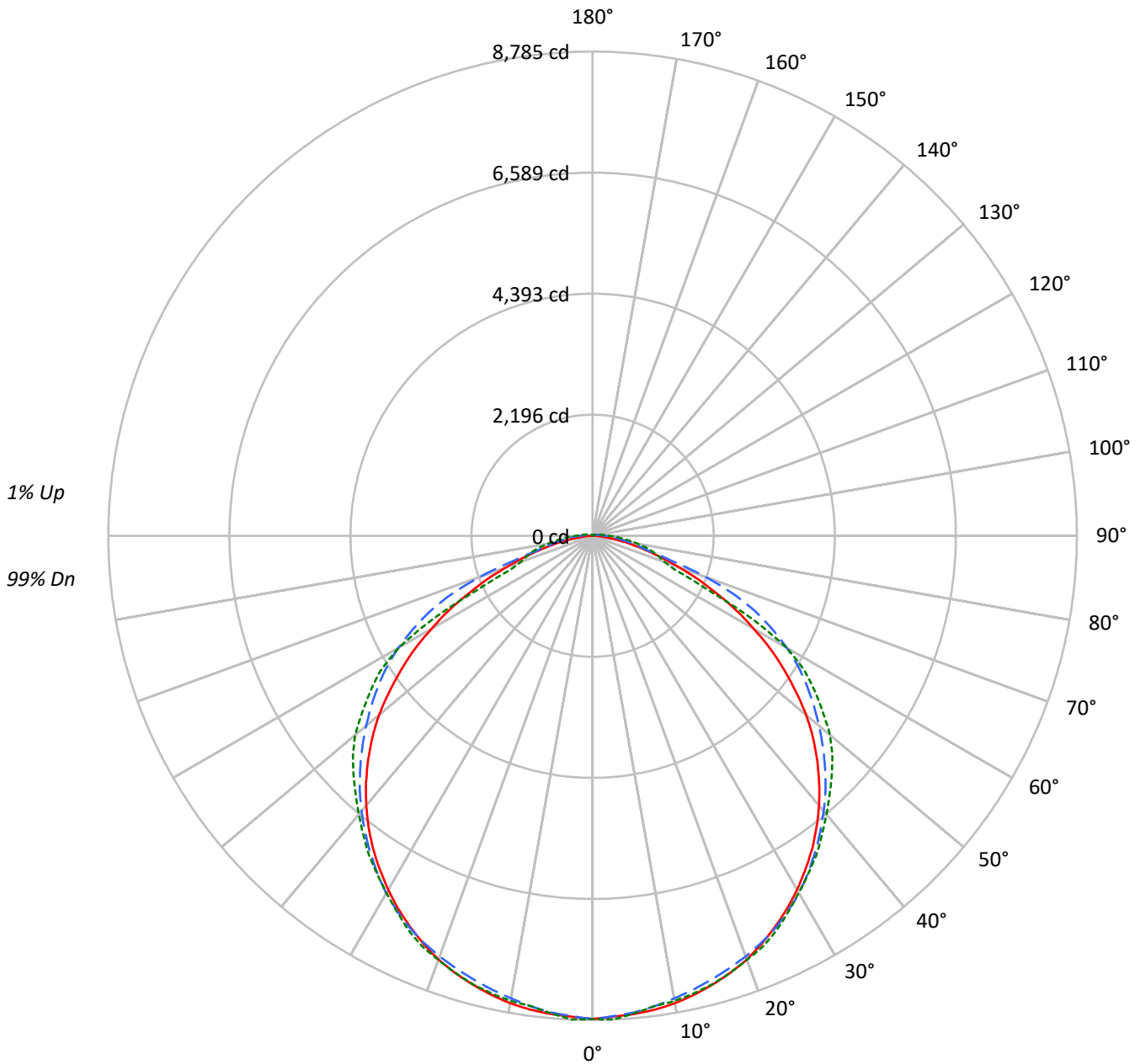
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24781.0 lumens  
Efficiency: N/A  
Efficacy: 151.3 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°	13866	13866	13866
5°	13775	13664	13693
10°	13725	13457	13541
15°	13637	13302	13450
20°	13550	13205	13331
25°	13387	13107	13213
30°	13209	12952	12963
35°	12996	12707	12825
40°	12720	12453	12638
45°	12337	12159	12554
50°	11818	11825	12455
55°	10993	11496	11990
60°	9913	11015	11085
65°	8504	10122	7025
70°	6849	7902	5093
75°	5135	4691	5169
80°	3574	3900	4936
85°	2034	3573	4626



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	826.7	3.3
10°-20°	2370.6	9.6
20°-30°	3620.6	14.6
30°-40°	4393.1	17.7
40°-50°	4604.3	18.6
50°-60°	4172.2	16.8
60°-70°	2797.3	11.3
70°-80°	1256.1	5.1
80°-90°	455.8	1.8
90°-100°	137.2	0.6
100°-110°	64.8	0.3
110°-120°	32.4	0.1
120°-130°	17.9	0.1
130°-140°	12.3	0.0
140°-150°	8.3	0.0
150°-160°	6.1	0.0
160°-170°	3.9	0.0
170°-180°	1.3	0.0
0°-30°	6817.9	27.5
0°-40°	11211.0	45.2
0°-60°	19987.5	80.7
0°-90°	24496.8	98.9
90°-120°	234.4	0.9
90°-150°	272.9	1.1
90°-180°	284.0	1.1
0°-180°	24781.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8768	8768	8768	8768	8768	
5°	8710	8741	8680	8707	8695	828
15°	8428	8395	8335	8409	8419	2380
25°	7829	7795	7850	7922	7899	3609
35°	6940	6956	7027	7102	7074	4337
45°	5759	5853	5962	6114	6133	4437
55°	4238	4442	4745	4935	4924	3783
65°	2487	2876	3266	2756	2250	2478
75°	979	1420	1045	1069	1138	1070
85°	169	323	414	501	525	206
90°	1	108	214	269	281	10
95°	1	67	147	179	184	2
105°	5	29	72	88	91	6
115°	10	15	37	47	49	9
125°	9	10	23	27	28	9
135°	11	13	14	20	22	9
145°	11	13	13	14	15	8
155°	13	14	14	14	13	6
165°	14	14	14	14	14	4
175°	14	14	13	11	11	1
180°	13	13	13	13	13	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8767.5	8767.5	8767.5	8767.5	8767.5
2.5°	8732.0	8768.8	8723.2	8772.6	8785.3
5°	8710.5	8740.9	8680.1	8706.7	8695.3
7.5°	8671.2	8681.3	8609.1	8630.6	8607.8
10°	8612.9	8607.8	8522.9	8564.7	8569.8
12.5°	8526.7	8511.5	8435.4	8498.8	8500.1
15°	8427.8	8394.8	8335.2	8408.8	8418.9
17.5°	8313.7	8270.6	8231.3	8326.4	8311.2
20°	8180.6	8129.9	8122.3	8226.2	8188.2
22.5°	8015.8	7976.5	7994.2	8093.1	8069.0
25°	7829.4	7795.2	7849.7	7922.0	7899.2
27.5°	7632.9	7612.6	7674.8	7730.5	7686.2
30°	7417.4	7406.0	7488.4	7534.0	7478.3
32.5°	7182.9	7186.7	7265.3	7327.4	7275.4
35°	6939.5	6956.0	7027.0	7101.8	7073.9
37.5°	6672.0	6708.8	6779.8	6864.7	6835.5
40°	6389.3	6442.5	6521.1	6623.8	6597.2
42.5°	6083.8	6151.0	6252.4	6366.5	6363.9
45°	5759.2	5853.1	5962.1	6114.2	6133.2
47.5°	5422.0	5527.3	5665.4	5868.3	5897.4
50°	5055.7	5187.5	5359.9	5603.3	5621.1
52.5°	4647.5	4827.5	5055.7	5288.9	5267.4
55°	4238.0	4442.1	4745.1	4935.2	4923.8
57.5°	3829.8	4059.2	4426.9	4562.5	4561.2
60°	3373.4	3663.7	4065.6	4168.3	4066.8
62.5°	2951.2	3263.1	3680.2	3605.4	3258.0
65°	2487.3	2876.5	3265.6	2756.0	2250.2
67.5°	2075.3	2480.9	2773.8	1887.6	1616.3
70°	1660.7	2108.2	2162.7	1400.8	1381.8
72.5°	1293.1	1769.7	1492.1	1199.3	1260.1
75°	978.7	1419.8	1044.6	1068.7	1138.4
77.5°	713.7	1090.2	812.6	936.8	993.9
80°	490.6	772.0	663.0	787.3	826.6
82.5°	308.1	509.6	531.2	633.9	674.4
85°	168.6	323.3	414.5	500.7	524.8
87.5°	69.7	195.2	316.9	386.7	406.9
90°	1.3	107.8	214.2	268.8	281.4
92.5°	1.3	82.4	174.9	216.8	225.7
95°	1.3	67.2	147.1	178.7	183.8
97.5°	2.5	53.2	123.0	148.3	153.4
100°	3.8	44.4	102.7	124.2	128.0
102.5°	5.1	35.5	86.2	104.0	107.8
105°	5.1	29.2	72.3	87.5	91.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	8.9	17.7	43.1	54.5	57.0
115°	10.1	15.2	36.8	46.9	49.4
117.5°	10.1	12.7	31.7	39.3	41.8
120°	10.1	11.4	27.9	34.2	35.5
122.5°	10.1	10.1	24.1	30.4	31.7
125°	8.9	10.1	22.8	26.6	27.9
127.5°	10.1	10.1	20.3	24.1	25.4
130°	10.1	11.4	17.7	22.8	22.8
132.5°	11.4	12.7	16.5	21.6	21.6
135°	11.4	12.7	13.9	20.3	21.6
137.5°	12.7	12.7	12.7	19.0	20.3
140°	12.7	12.7	11.4	16.5	17.7
142.5°	11.4	12.7	11.4	15.2	16.5
145°	11.4	12.7	12.7	13.9	15.2
147.5°	12.7	12.7	12.7	12.7	13.9
150°	12.7	12.7	12.7	12.7	12.7
152.5°	12.7	12.7	12.7	12.7	12.7
155°	12.7	13.9	13.9	13.9	12.7
157.5°	12.7	13.9	13.9	13.9	13.9
160°	12.7	13.9	13.9	13.9	13.9
162.5°	13.9	13.9	13.9	13.9	13.9
165°	13.9	13.9	13.9	13.9	13.9
167.5°	13.9	15.2	13.9	13.9	13.9
170°	13.9	13.9	13.9	12.7	12.7
172.5°	13.9	13.9	13.9	12.7	12.7
175°	13.9	13.9	12.7	11.4	11.4
177.5°	15.2	13.9	12.7	11.4	10.1
180°	12.7	12.7	12.7	12.7	12.7



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	6.3	24.1	62.1	74.8	77.3
110°	7.6	20.3	52.0	63.4	65.9



(END OF REPORT)