

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: P830172

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

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P830172  
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-L935-CD  
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

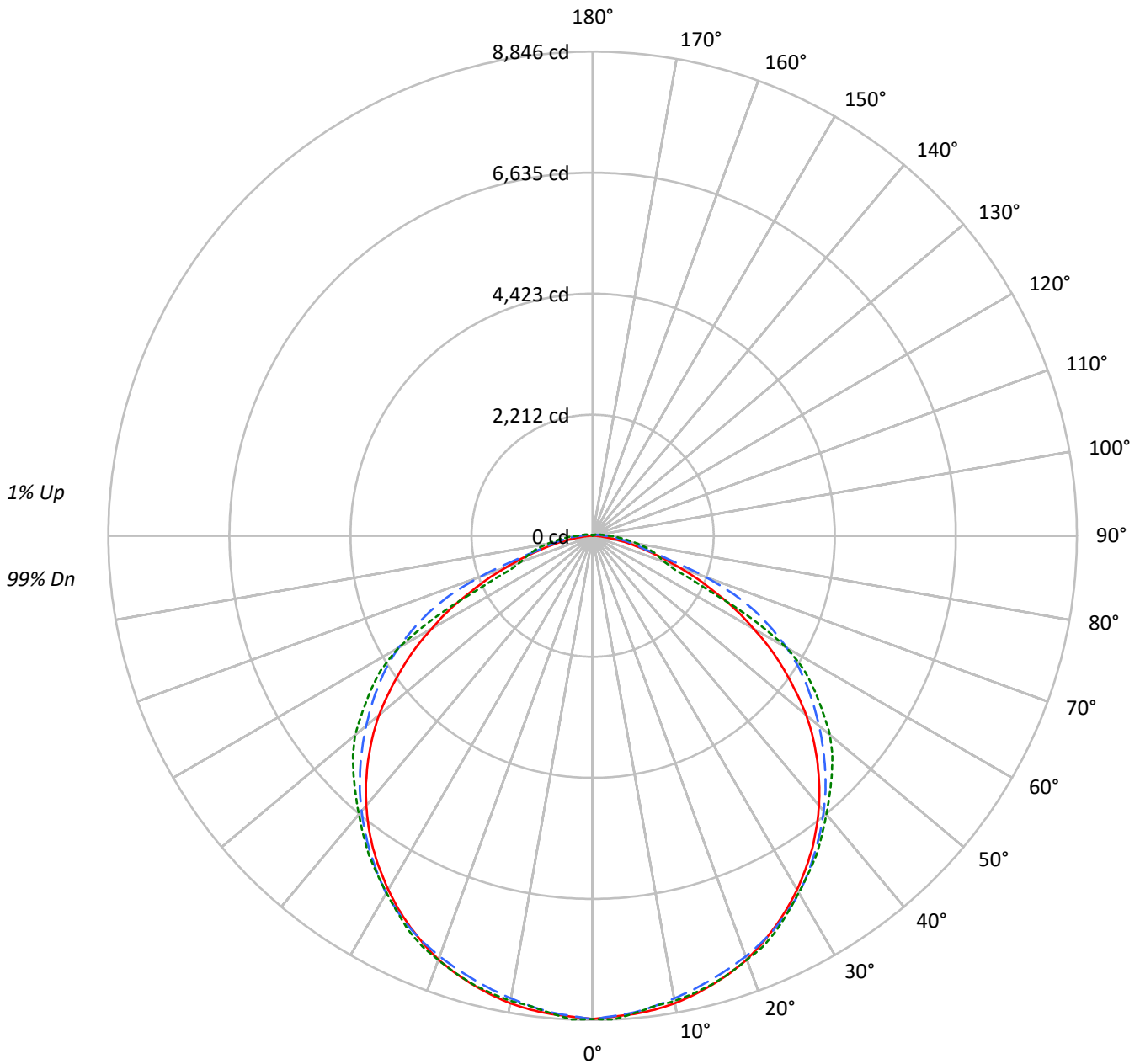
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24953.0 lumens  
Efficiency: N/A  
Efficacy: 152.3 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°	13962	13962	13962
5°	13870	13759	13788
10°	13820	13551	13635
15°	13732	13395	13544
20°	13644	13297	13424
25°	13480	13198	13305
30°	13301	13042	13053
35°	13087	12795	12914
40°	12808	12539	12725
45°	12423	12244	12642
50°	11900	11907	12542
55°	11069	11576	12073
60°	9982	11092	11162
65°	8563	10192	7074
70°	6897	7957	5129
75°	5171	4724	5205
80°	3599	3927	4970
85°	2049	3598	4659



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	832.4	3.3
10°-20°	2387.0	9.6
20°-30°	3645.7	14.6
30°-40°	4423.5	17.7
40°-50°	4636.3	18.6
50°-60°	4201.2	16.8
60°-70°	2816.7	11.3
70°-80°	1264.8	5.1
80°-90°	459.0	1.8
90°-100°	138.2	0.6
100°-110°	65.2	0.3
110°-120°	32.7	0.1
120°-130°	18.0	0.1
130°-140°	12.4	0.0
140°-150°	8.3	0.0
150°-160°	6.2	0.0
160°-170°	4.0	0.0
170°-180°	1.3	0.0
0°-30°	6865.2	27.5
0°-40°	11288.8	45.2
0°-60°	20126.2	80.7
0°-90°	24666.8	98.9
90°-120°	236.0	0.9
90°-150°	274.8	1.1
90°-180°	286.0	1.1
0°-180°	24953.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8828	8828	8828	8828	8828	
5°	8771	8802	8740	8767	8756	834
15°	8486	8453	8393	8467	8477	2396
25°	7884	7849	7904	7977	7954	3634
35°	6988	7004	7076	7151	7123	4367
45°	5799	5894	6004	6157	6176	4467
55°	4267	4473	4778	4970	4958	3809
65°	2504	2896	3288	2775	2266	2495
75°	986	1430	1052	1076	1146	1077
85°	170	326	417	504	528	207
90°	1	108	216	271	283	10
95°	1	68	148	180	185	2
105°	5	29	73	88	92	6
115°	10	15	37	47	50	9
125°	9	10	23	27	28	9
135°	12	13	14	20	22	9
145°	12	13	13	14	15	8
155°	13	14	14	14	13	6
165°	14	14	14	14	14	4
175°	14	14	13	12	12	1
180°	13	13	13	13	13	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8828.4	8828.4	8828.4	8828.4	8828.4
2.5°	8792.6	8829.7	8783.7	8833.5	8846.3
5°	8770.9	8801.6	8740.3	8767.1	8755.6
7.5°	8731.4	8741.6	8668.8	8690.5	8667.6
10°	8672.7	8667.6	8582.0	8624.1	8629.3
12.5°	8585.9	8570.5	8493.9	8557.8	8559.0
15°	8486.3	8453.1	8393.1	8467.1	8477.4
17.5°	8371.4	8328.0	8288.4	8384.2	8368.8
20°	8237.4	8186.3	8178.6	8283.3	8245.0
22.5°	8071.4	8031.8	8049.7	8149.3	8125.0
25°	7883.8	7849.3	7904.2	7977.0	7954.0
27.5°	7685.9	7665.5	7728.0	7784.2	7739.5
30°	7468.9	7457.4	7540.4	7586.3	7530.2
32.5°	7232.7	7236.6	7315.7	7378.3	7325.9
35°	6987.7	7004.2	7075.7	7151.0	7123.0
37.5°	6718.3	6755.3	6826.8	6912.3	6883.0
40°	6433.6	6487.3	6566.4	6669.8	6643.0
42.5°	6126.0	6193.7	6295.8	6410.7	6408.1
45°	5799.2	5893.7	6003.5	6156.6	6175.8
47.5°	5459.7	5565.6	5704.8	5909.0	5938.4
50°	5090.8	5223.5	5397.1	5642.2	5660.1
52.5°	4679.7	4861.0	5090.8	5325.6	5303.9
55°	4267.4	4472.9	4778.0	4969.5	4958.0
57.5°	3856.4	4087.4	4457.6	4594.2	4592.9
60°	3396.8	3689.1	4093.8	4197.2	4095.1
62.5°	2971.7	3285.8	3705.7	3630.4	3280.6
65°	2504.5	2896.4	3288.3	2775.1	2265.8
67.5°	2089.7	2498.1	2793.0	1900.7	1627.6
70°	1672.2	2122.8	2177.7	1410.6	1391.4
72.5°	1302.0	1782.0	1502.5	1207.6	1268.9
75°	985.5	1429.7	1051.9	1076.1	1146.3
77.5°	718.7	1097.8	818.2	943.3	1000.8
80°	494.0	777.4	667.6	792.7	832.3
82.5°	310.2	513.2	534.9	638.3	679.1
85°	169.8	325.5	417.4	504.2	528.5
87.5°	70.2	196.6	319.1	389.3	409.8
90°	1.3	108.5	215.7	270.6	283.4
92.5°	1.3	83.0	176.2	218.3	227.2
95°	1.3	67.7	148.1	180.0	185.1
97.5°	2.6	53.6	123.8	149.4	154.5
100°	3.8	44.7	103.4	125.1	128.9
102.5°	5.1	35.7	86.8	104.7	108.5
105°	5.1	29.4	72.8	88.1	91.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	8.9	17.9	43.4	54.9	57.4
115°	10.2	15.3	37.0	47.2	49.8
117.5°	10.2	12.8	31.9	39.6	42.1
120°	10.2	11.5	28.1	34.5	35.7
122.5°	10.2	10.2	24.3	30.6	31.9
125°	8.9	10.2	23.0	26.8	28.1
127.5°	10.2	10.2	20.4	24.3	25.5
130°	10.2	11.5	17.9	23.0	23.0
132.5°	11.5	12.8	16.6	21.7	21.7
135°	11.5	12.8	14.0	20.4	21.7
137.5°	12.8	12.8	12.8	19.1	20.4
140°	12.8	12.8	11.5	16.6	17.9
142.5°	11.5	12.8	11.5	15.3	16.6
145°	11.5	12.8	12.8	14.0	15.3
147.5°	12.8	12.8	12.8	12.8	14.0
150°	12.8	12.8	12.8	12.8	12.8
152.5°	12.8	12.8	12.8	12.8	12.8
155°	12.8	14.0	14.0	14.0	12.8
157.5°	12.8	14.0	14.0	14.0	14.0
160°	12.8	14.0	14.0	14.0	14.0
162.5°	14.0	14.0	14.0	14.0	14.0
165°	14.0	14.0	14.0	14.0	14.0
167.5°	14.0	15.3	14.0	14.0	14.0
170°	14.0	14.0	14.0	12.8	12.8
172.5°	14.0	14.0	14.0	12.8	12.8
175°	14.0	14.0	12.8	11.5	11.5
177.5°	15.3	14.0	12.8	11.5	10.2
180°	12.8	12.8	12.8	12.8	12.8



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	6.4	24.3	62.5	75.3	77.9
110°	7.7	20.4	52.3	63.8	66.4



(END OF REPORT)