

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: P830171

Luminaire Tested: **OHBL-30HE-A-UNV-L930-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830171  
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-L930-CD  
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

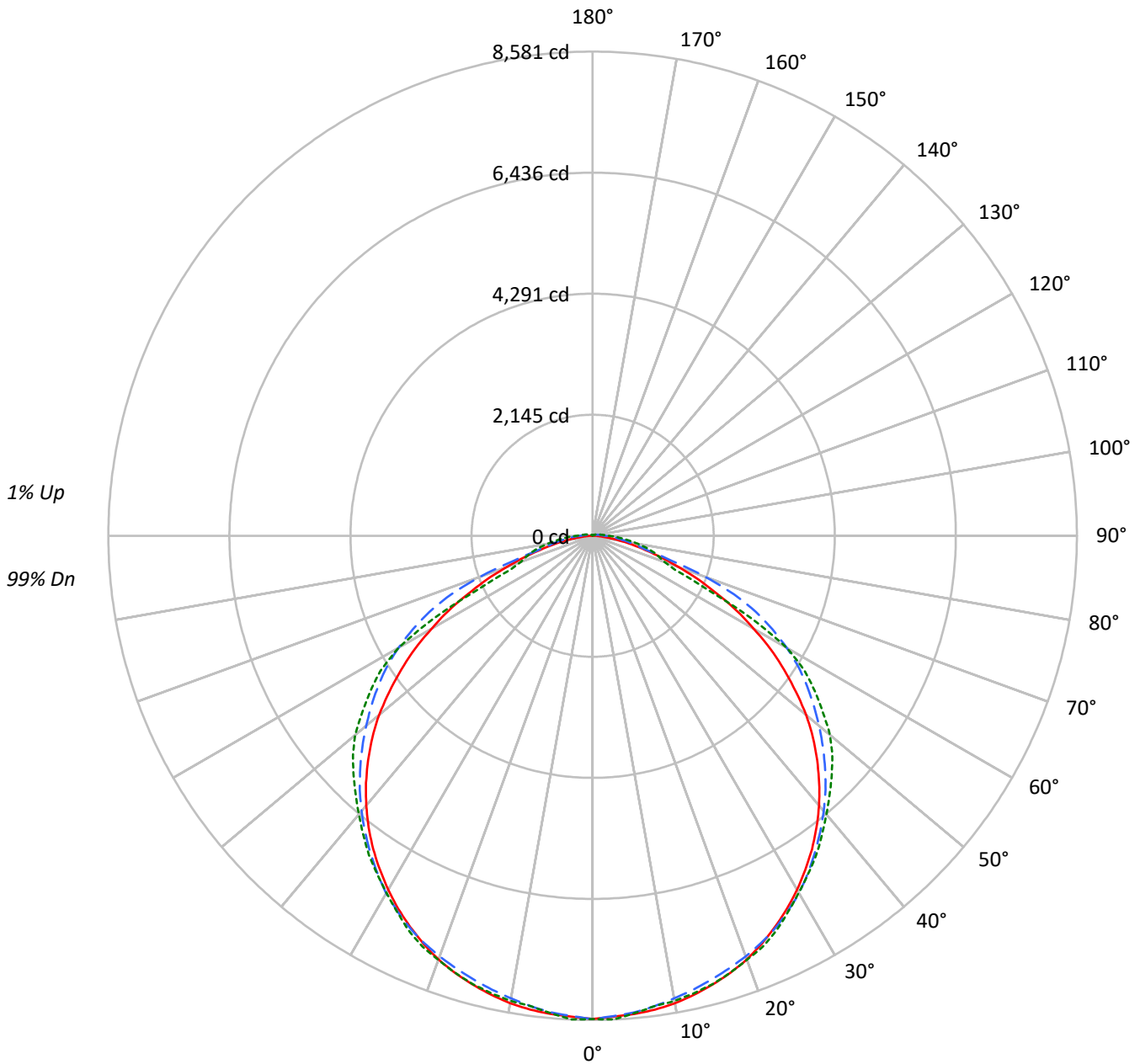
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24205.0 lumens  
Efficiency: N/A  
Efficacy: 147.8 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°	13543	13543	13543
5°	13455	13347	13375
10°	13406	13145	13226
15°	13320	12993	13138
20°	13235	12898	13021
25°	13076	12802	12906
30°	12902	12651	12662
35°	12694	12411	12527
40°	12424	12163	12344
45°	12050	11877	12263
50°	11543	11550	12166
55°	10737	11229	11712
60°	9683	10759	10827
65°	8306	9887	6862
70°	6690	7718	4975
75°	5016	4582	5049
80°	3491	3810	4821
85°	1987	3491	4518



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	807.5	3.3
10°-20°	2315.5	9.6
20°-30°	3536.5	14.6
30°-40°	4290.9	17.7
40°-50°	4497.3	18.6
50°-60°	4075.2	16.8
60°-70°	2732.3	11.3
70°-80°	1226.9	5.1
80°-90°	445.2	1.8
90°-100°	134.0	0.6
100°-110°	63.2	0.3
110°-120°	31.7	0.1
120°-130°	17.5	0.1
130°-140°	12.0	0.0
140°-150°	8.1	0.0
150°-160°	6.0	0.0
160°-170°	3.9	0.0
170°-180°	1.2	0.0
0°-30°	6659.4	27.5
0°-40°	10950.4	45.2
0°-60°	19522.9	80.7
0°-90°	23927.4	98.9
90°-120°	228.9	0.9
90°-150°	266.5	1.1
90°-180°	278.0	1.1
0°-180°	24205.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8564	8564	8564	8564	8564	
5°	8508	8538	8478	8504	8493	809
15°	8232	8200	8142	8213	8223	2324
25°	7647	7614	7667	7738	7716	3525
35°	6778	6794	6864	6937	6909	4237
45°	5625	5717	5824	5972	5991	4333
55°	4140	4339	4635	4820	4809	3695
65°	2430	2810	3190	2692	2198	2421
75°	956	1387	1020	1044	1112	1045
85°	165	316	405	489	513	201
90°	1	105	209	262	275	10
95°	1	66	144	175	180	2
105°	5	28	71	85	89	6
115°	10	15	36	46	48	9
125°	9	10	22	26	27	9
135°	11	12	14	20	21	9
145°	11	12	12	14	15	7
155°	12	14	14	14	12	6
165°	14	14	14	14	14	4
175°	14	14	12	11	11	1
180°	12	12	12	12	12	



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CATALOG NUMBER: OHBL-30HE-A-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8563.7	8563.7	8563.7	8563.7	8563.7
2.5°	8529.1	8565.0	8520.4	8568.7	8581.1
5°	8508.0	8537.7	8478.3	8504.3	8493.2
7.5°	8469.6	8479.5	8409.0	8430.0	8407.7
10°	8412.7	8407.7	8324.8	8365.6	8370.6
12.5°	8328.5	8313.6	8239.3	8301.2	8302.5
15°	8231.9	8199.7	8141.5	8213.3	8223.2
17.5°	8120.5	8078.4	8040.0	8132.8	8118.0
20°	7990.4	7940.9	7933.5	8035.0	7997.9
22.5°	7829.5	7791.1	7808.4	7905.0	7881.5
25°	7647.4	7614.0	7667.3	7737.8	7715.5
27.5°	7455.5	7435.7	7496.4	7550.9	7507.5
30°	7245.0	7233.9	7314.4	7358.9	7304.4
32.5°	7015.9	7019.6	7096.4	7157.1	7106.3
35°	6778.2	6794.3	6863.6	6936.7	6909.4
37.5°	6516.9	6552.8	6622.2	6705.1	6676.7
40°	6240.8	6292.8	6369.6	6469.9	6443.9
42.5°	5942.4	6008.0	6107.1	6218.5	6216.0
45°	5625.4	5717.0	5823.5	5972.1	5990.7
47.5°	5296.0	5398.8	5533.7	5731.9	5760.3
50°	4938.1	5066.9	5235.3	5473.1	5490.4
52.5°	4539.4	4715.3	4938.1	5166.0	5144.9
55°	4139.5	4338.8	4634.8	4820.5	4809.4
57.5°	3740.8	3964.9	4324.0	4456.5	4455.2
60°	3295.0	3578.5	3971.1	4071.4	3972.3
62.5°	2882.7	3187.3	3594.6	3521.6	3182.3
65°	2429.5	2809.6	3189.7	2692.0	2197.9
67.5°	2027.0	2423.3	2709.3	1843.8	1578.8
70°	1622.1	2059.2	2112.5	1368.3	1349.7
72.5°	1263.0	1728.6	1457.4	1171.4	1230.8
75°	955.9	1386.8	1020.3	1043.8	1112.0
77.5°	697.1	1064.9	793.7	915.1	970.8
80°	479.2	754.1	647.6	769.0	807.3
82.5°	300.9	497.8	518.8	619.1	658.7
85°	164.7	315.8	404.9	489.1	512.6
87.5°	68.1	190.7	309.6	377.7	397.5
90°	1.2	105.3	209.3	262.5	274.9
92.5°	1.2	80.5	170.9	211.7	220.4
95°	1.2	65.6	143.6	174.6	179.5
97.5°	2.5	52.0	120.1	144.9	149.8
100°	3.7	43.3	100.3	121.3	125.1
102.5°	5.0	34.7	84.2	101.5	105.3
105°	5.0	28.5	70.6	85.4	89.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	8.7	17.3	42.1	53.2	55.7
115°	9.9	14.9	35.9	45.8	48.3
117.5°	9.9	12.4	31.0	38.4	40.9
120°	9.9	11.1	27.2	33.4	34.7
122.5°	9.9	9.9	23.5	29.7	31.0
125°	8.7	9.9	22.3	26.0	27.2
127.5°	9.9	9.9	19.8	23.5	24.8
130°	9.9	11.1	17.3	22.3	22.3
132.5°	11.1	12.4	16.1	21.1	21.1
135°	11.1	12.4	13.6	19.8	21.1
137.5°	12.4	12.4	12.4	18.6	19.8
140°	12.4	12.4	11.1	16.1	17.3
142.5°	11.1	12.4	11.1	14.9	16.1
145°	11.1	12.4	12.4	13.6	14.9
147.5°	12.4	12.4	12.4	12.4	13.6
150°	12.4	12.4	12.4	12.4	12.4
152.5°	12.4	12.4	12.4	12.4	12.4
155°	12.4	13.6	13.6	13.6	12.4
157.5°	12.4	13.6	13.6	13.6	13.6
160°	12.4	13.6	13.6	13.6	13.6
162.5°	13.6	13.6	13.6	13.6	13.6
165°	13.6	13.6	13.6	13.6	13.6
167.5°	13.6	14.9	13.6	13.6	13.6
170°	13.6	13.6	13.6	12.4	12.4
172.5°	13.6	13.6	13.6	12.4	12.4
175°	13.6	13.6	12.4	11.1	11.1
177.5°	14.9	13.6	12.4	11.1	9.9
180°	12.4	12.4	12.4	12.4	12.4



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	6.2	23.5	60.7	73.1	75.5
110°	7.4	19.8	50.8	61.9	64.4



(END OF REPORT)