

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: P830919

Luminaire Tested: **OHBL-9HE-N-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830919  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-9HE-N-UNV-L730-CD  
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

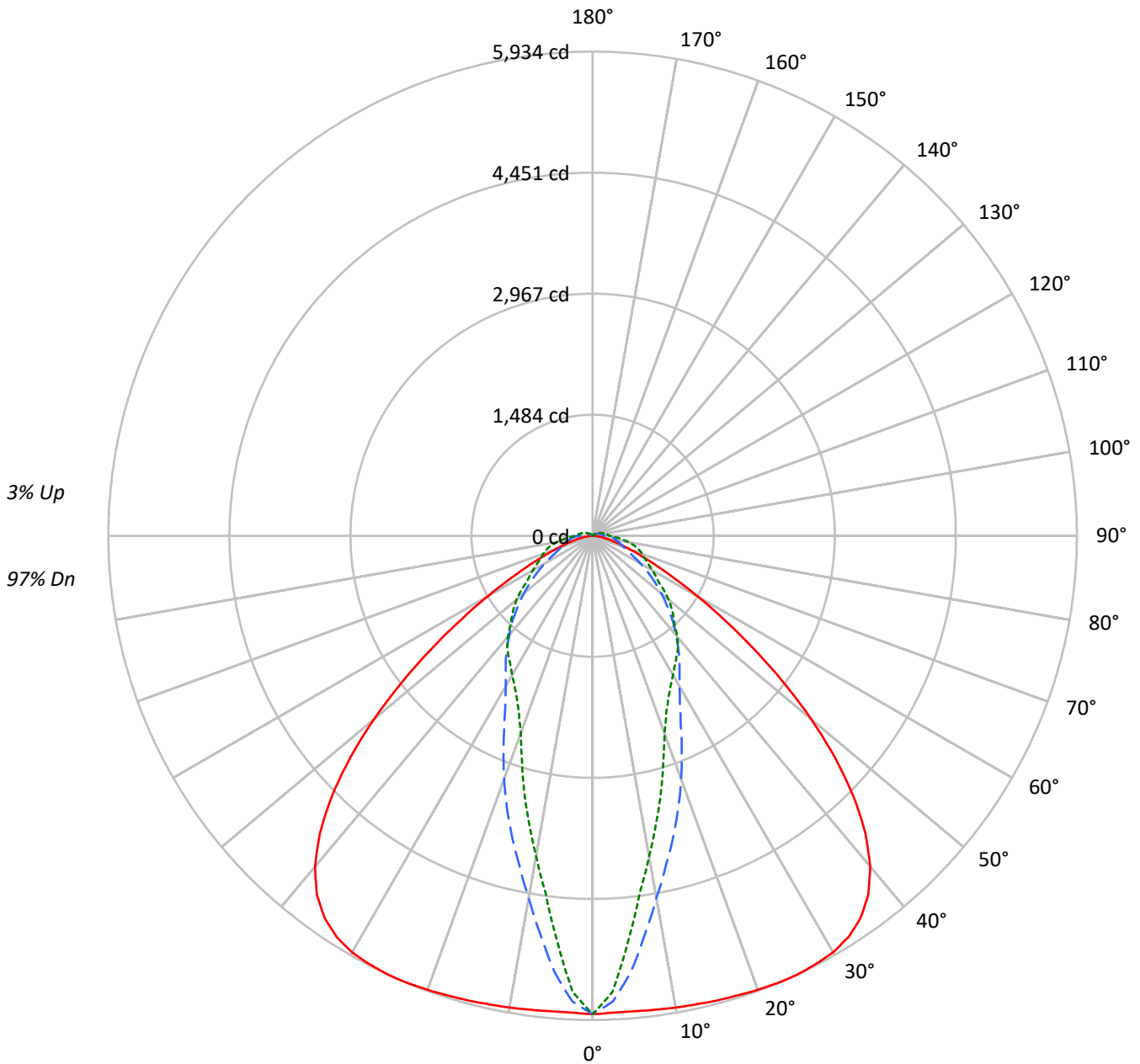
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8652.0 lumens  
Efficiency: N/A  
Efficacy: 166.4 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 52  
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10013	10013	10013
5°	9992	9118	8478
10°	10105	7681	6798
15°	10302	6569	5579
20°	10592	5554	4513
25°	10958	4597	3954
30°	11337	3961	3673
35°	11573	3609	3500
40°	11375	3260	3320
45°	10464	2946	3074
50°	8829	2603	2885
55°	6708	2280	2567
60°	4701	1955	2458
65°	3162	1684	2406
70°	2159	1581	2524
75°	1499	1630	2697
80°	1032	1805	2776
85°	603	2258	2913



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	493.5	5.7
10°-20°	1160.9	13.4
20°-30°	1455.1	16.8
30°-40°	1544.1	17.8
40°-50°	1396.1	16.1
50°-60°	1012.3	11.7
60°-70°	635.2	7.3
70°-80°	420.4	4.9
80°-90°	242.2	2.8
90°-100°	117.3	1.4
100°-110°	81.0	0.9
110°-120°	50.0	0.6
120°-130°	24.2	0.3
130°-140°	11.1	0.1
140°-150°	6.1	0.1
150°-160°	2.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3109.5	35.9
0°-40°	4653.5	53.8
0°-60°	7061.9	81.6
0°-90°	8359.7	96.6
90°-120°	248.3	2.9
90°-150°	289.7	3.3
90°-180°	292.0	3.4
0°-180°	8652.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5862	5862	5862	5862	5862	
5°	5850	5700	5366	5117	4988	559
15°	5895	4805	3816	3394	3240	1672
25°	5934	3715	2555	2268	2196	2741
35°	5722	2470	1855	1796	1796	3557
45°	4523	1564	1344	1376	1400	3446
55°	2395	970	877	951	985	2164
65°	856	562	508	650	723	891
75°	264	303	341	530	561	295
85°	46	126	249	347	319	56
90°	0	52	144	204	205	3
95°	2	37	127	173	181	2
105°	4	24	93	123	126	5
115°	6	17	62	78	80	6
125°	7	9	32	40	40	6
135°	6	7	14	22	22	4
145°	7	7	8	13	12	4
155°	7	8	9	10	8	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5862.2	5862.2	5862.2	5862.2	5862.2
2.5°	5849.9	5816.4	5712.1	5648.5	5594.9
5°	5850.5	5700.4	5365.6	5116.8	4987.9
7.5°	5858.8	5525.2	4922.1	4558.9	4417.1
10°	5871.7	5308.2	4508.1	4120.9	3988.7
12.5°	5881.2	5063.8	4143.8	3746.0	3600.9
15°	5895.1	4804.9	3816.3	3393.9	3239.9
17.5°	5907.9	4561.1	3492.7	3051.3	2880.0
20°	5920.8	4298.3	3169.1	2714.3	2573.2
22.5°	5933.0	4021.0	2853.3	2452.7	2356.1
25°	5934.2	3715.3	2555.3	2268.0	2196.0
27.5°	5919.7	3398.4	2313.7	2113.4	2068.8
30°	5894.6	3090.9	2126.3	2001.9	1970.1
32.5°	5832.1	2777.4	1981.2	1894.2	1875.8
35°	5721.6	2470.0	1854.6	1796.5	1796.0
37.5°	5547.5	2197.1	1717.3	1707.3	1719.5
40°	5290.3	1958.3	1587.3	1614.1	1614.1
42.5°	4947.2	1750.8	1469.6	1496.9	1489.7
45°	4523.2	1564.4	1344.1	1376.4	1399.9
47.5°	4031.6	1400.4	1215.7	1278.2	1310.6
50°	3497.1	1244.2	1098.6	1178.4	1215.2
52.5°	2937.0	1099.7	984.2	1075.7	1105.3
55°	2394.6	969.7	877.1	951.3	985.3
57.5°	1903.7	845.8	772.2	842.5	912.8
60°	1481.3	739.3	673.4	773.9	844.2
62.5°	1131.5	644.4	580.8	709.7	780.0
65°	856.4	562.4	507.7	650.5	723.1
67.5°	645.5	491.5	450.8	607.6	678.4
70°	484.8	422.9	405.1	580.8	644.4
72.5°	358.2	359.9	368.8	557.4	605.9
75°	264.5	303.0	340.9	529.5	561.3
77.5°	189.1	251.1	315.8	496.0	507.2
80°	131.1	204.8	289.6	451.9	442.4
82.5°	82.0	164.0	266.1	403.4	377.2
85°	46.3	125.5	249.4	347.0	318.6
87.5°	20.6	93.7	218.2	270.6	252.7
90°	0.0	52.4	144.5	203.6	205.3
92.5°	1.1	43.5	133.3	186.3	191.9
95°	2.2	36.8	127.2	173.0	180.8
97.5°	2.8	32.4	119.4	160.7	167.4
100°	3.3	29.0	109.9	147.9	153.4
102.5°	3.9	26.8	101.0	134.5	138.9
105°	4.5	24.5	92.6	122.7	126.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.6	19.0	69.7	88.2	90.9
115°	6.1	17.3	62.5	78.1	79.8
117.5°	6.7	15.1	54.7	68.6	69.2
120°	6.7	13.4	46.9	58.6	58.6
122.5°	6.7	11.2	39.1	48.5	48.0
125°	6.7	8.9	31.8	40.2	39.6
127.5°	6.1	7.3	25.7	33.5	32.9
130°	6.1	7.3	20.6	28.5	28.5
132.5°	5.6	6.7	16.7	24.5	24.5
135°	5.6	6.7	13.9	21.8	21.8
137.5°	5.6	7.3	11.7	19.0	19.0
140°	5.6	6.7	10.0	16.7	16.7
142.5°	6.1	6.7	8.9	14.5	14.5
145°	6.7	7.3	8.4	12.8	12.3
147.5°	6.7	7.8	8.4	11.2	10.6
150°	6.7	8.4	8.4	10.0	9.5
152.5°	6.7	8.4	8.4	9.5	8.9
155°	6.7	8.4	8.9	9.5	8.4
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	4.5	22.9	84.8	109.9	113.8
110°	5.0	20.6	77.6	98.2	102.1



(END OF REPORT)