

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: P830931

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830931  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-9HE-NL-UNV-L730-CD  
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

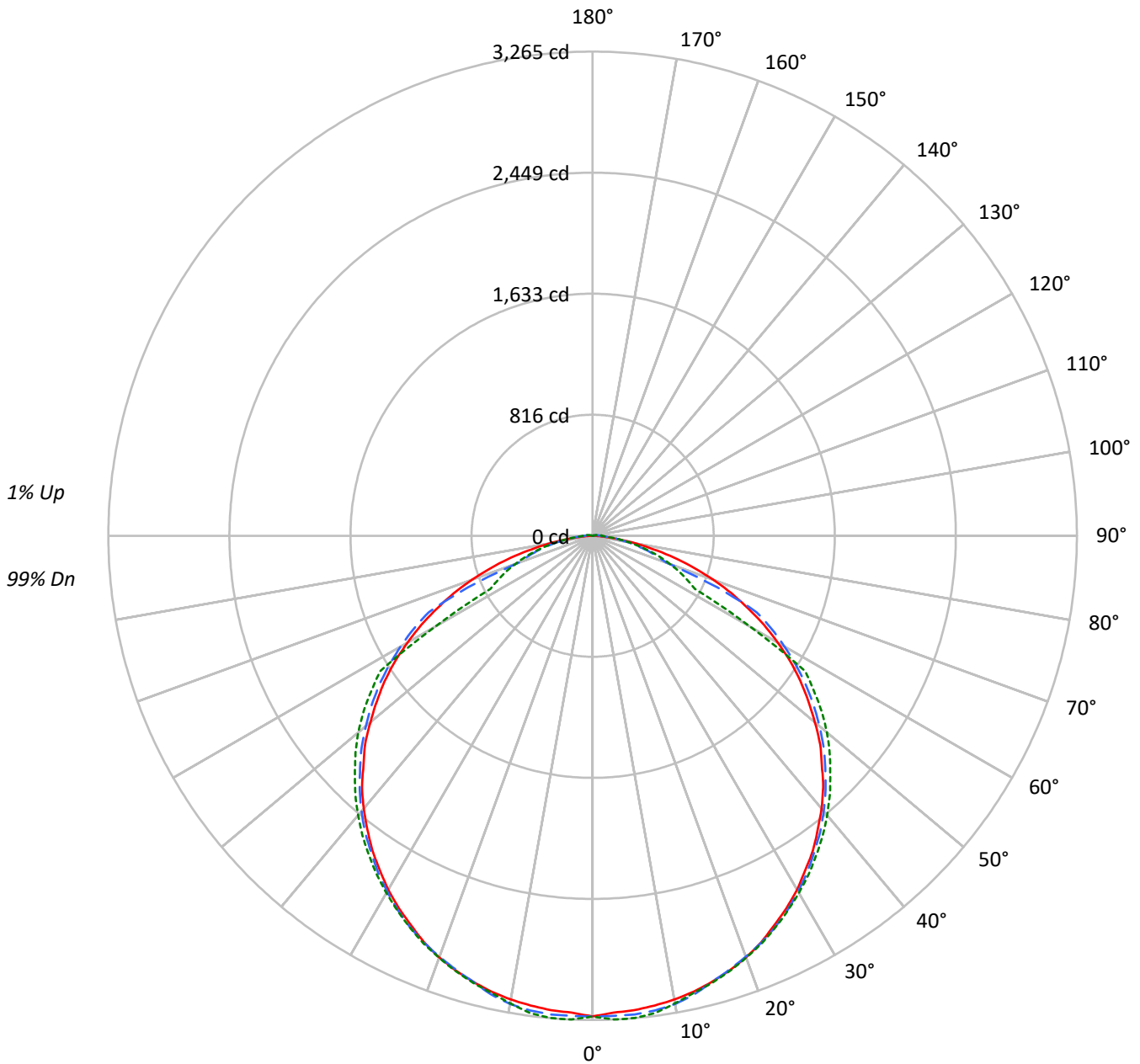
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9100.0 lumens  
Efficiency: N/A  
Efficacy: 175.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 52  
Input Voltage (V): NR  
Input Current (Ain): 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

TEST NUMBER: P830931

CATALOG NUMBER: OHBL-9HE-NL-UNV-L730-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P830931

CATALOG NUMBER: OHBL-9HE-NL-UNV-L730-CD

**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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

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

	0°	45°	90°
0°	5536	5536	5536
5°	5505	5555	5597
10°	5507	5559	5552
15°	5506	5505	5517
20°	5498	5490	5504
25°	5461	5489	5493
30°	5436	5464	5485
35°	5400	5430	5481
40°	5354	5404	5484
45°	5277	5356	5473
50°	5197	5303	5478
55°	5097	5230	5418
60°	4927	5102	4218
65°	4661	4932	2839
70°	4311	2618	2755
75°	3761	2489	2631
80°	2892	2283	2411
85°	1460	2307	2361



TEST NUMBER: P830931

CATALOG NUMBER: OHBL-9HE-NL-UNV-L730-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	307.9	3.4
10°-20°	881.7	9.7
20°-30°	1341.5	14.7
30°-40°	1631.1	17.9
40°-50°	1715.0	18.8
50°-60°	1566.0	17.2
60°-70°	1003.9	11.0
70°-80°	474.2	5.2
80°-90°	131.5	1.4
90°-100°	34.8	0.4
100°-110°	9.5	0.1
110°-120°	2.6	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2531.1	27.8
0°-40°	4162.3	45.7
0°-60°	7443.4	81.8
0°-90°	9053.0	99.5
90°-120°	47.0	0.5
90°-150°	47.0	0.5
90°-180°	47.0	0.5
0°-180°	9100.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3241	3241	3241	3241	3241	
5°	3211	3224	3240	3258	3264	305
15°	3114	3137	3113	3118	3120	879
25°	2898	2902	2912	2917	2915	1337
35°	2590	2575	2604	2636	2629	1619
45°	2184	2180	2218	2270	2266	1688
55°	1712	1699	1756	1815	1819	1527
65°	1153	1153	1220	700	702	1143
75°	570	581	377	397	399	601
85°	74	94	118	127	120	110
90°	0	32	52	62	61	3
95°	2	16	38	51	51	1
105°	3	6	9	9	9	3
115°	3	4	6	4	0	2
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P830931

CATALOG NUMBER: OHBL-9HE-NL-UNV-L730-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3241.2	3241.2	3241.2	3241.2	3241.2
2.5°	3218.4	3229.3	3241.2	3256.5	3265.0
5°	3211.0	3223.5	3240.0	3257.7	3264.5
7.5°	3195.1	3212.7	3228.7	3241.2	3245.2
10°	3175.2	3196.3	3205.4	3204.2	3201.4
12.5°	3148.5	3170.7	3167.8	3154.7	3157.0
15°	3113.8	3137.1	3113.2	3117.7	3120.0
17.5°	3072.8	3095.6	3067.7	3076.8	3077.4
20°	3025.1	3042.1	3020.5	3027.9	3027.9
22.5°	2967.6	2979.6	2970.5	2975.6	2976.7
25°	2897.7	2902.2	2912.4	2917.0	2914.7
27.5°	2830.6	2824.9	2844.8	2855.6	2849.9
30°	2756.1	2747.0	2770.3	2787.9	2781.1
32.5°	2670.7	2665.1	2691.8	2712.8	2708.8
35°	2590.0	2574.6	2604.2	2636.0	2628.6
37.5°	2494.4	2485.3	2518.9	2552.5	2548.5
40°	2401.2	2385.8	2423.9	2463.7	2459.7
42.5°	2301.1	2282.8	2324.4	2372.2	2367.6
45°	2184.5	2180.5	2217.5	2269.8	2265.8
47.5°	2081.0	2061.1	2112.8	2163.4	2168.0
50°	1955.8	1948.5	1995.7	2057.1	2061.6
52.5°	1833.6	1828.5	1877.9	1939.9	1947.9
55°	1711.8	1698.8	1756.2	1814.8	1819.4
57.5°	1581.7	1568.0	1626.6	1690.3	1699.9
60°	1442.3	1429.2	1493.5	1552.6	1234.7
62.5°	1302.9	1293.8	1361.0	964.0	776.9
65°	1153.4	1153.4	1220.4	700.1	702.4
67.5°	1013.5	1004.4	910.0	629.0	629.0
70°	863.3	866.8	524.3	551.1	551.7
72.5°	712.6	725.1	452.7	474.3	475.4
75°	569.9	580.7	377.1	397.0	398.7
77.5°	418.6	321.9	303.1	318.5	319.1
80°	294.0	203.0	232.1	246.8	245.1
82.5°	171.7	142.2	170.0	180.9	180.3
85°	74.5	94.4	117.7	127.4	120.5
87.5°	23.8	58.6	73.3	79.1	78.5
90°	0.0	31.9	52.3	62.0	60.9
92.5°	0.0	25.0	45.5	56.9	57.4
95°	1.7	16.5	37.6	50.6	50.6
97.5°	1.1	11.9	26.7	39.8	40.9
100°	1.1	9.6	17.6	28.4	29.0
102.5°	2.8	7.9	10.8	18.2	18.8
105°	2.8	6.3	9.1	9.1	8.6



TEST NUMBER: P830931

CATALOG NUMBER: OHBL-9HE-NL-UNV-L730-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	4.6	6.3	4.6	0.5
115°	2.8	4.0	5.7	4.0	0.5
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	2.8	5.7	7.9	5.1	1.7
110°	3.4	5.1	6.8	4.6	0.5



(END OF REPORT)