

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: P830933

Luminaire Tested: **OHBL-9HE-NL-UNV-L740-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830933  
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-L740-CD  
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

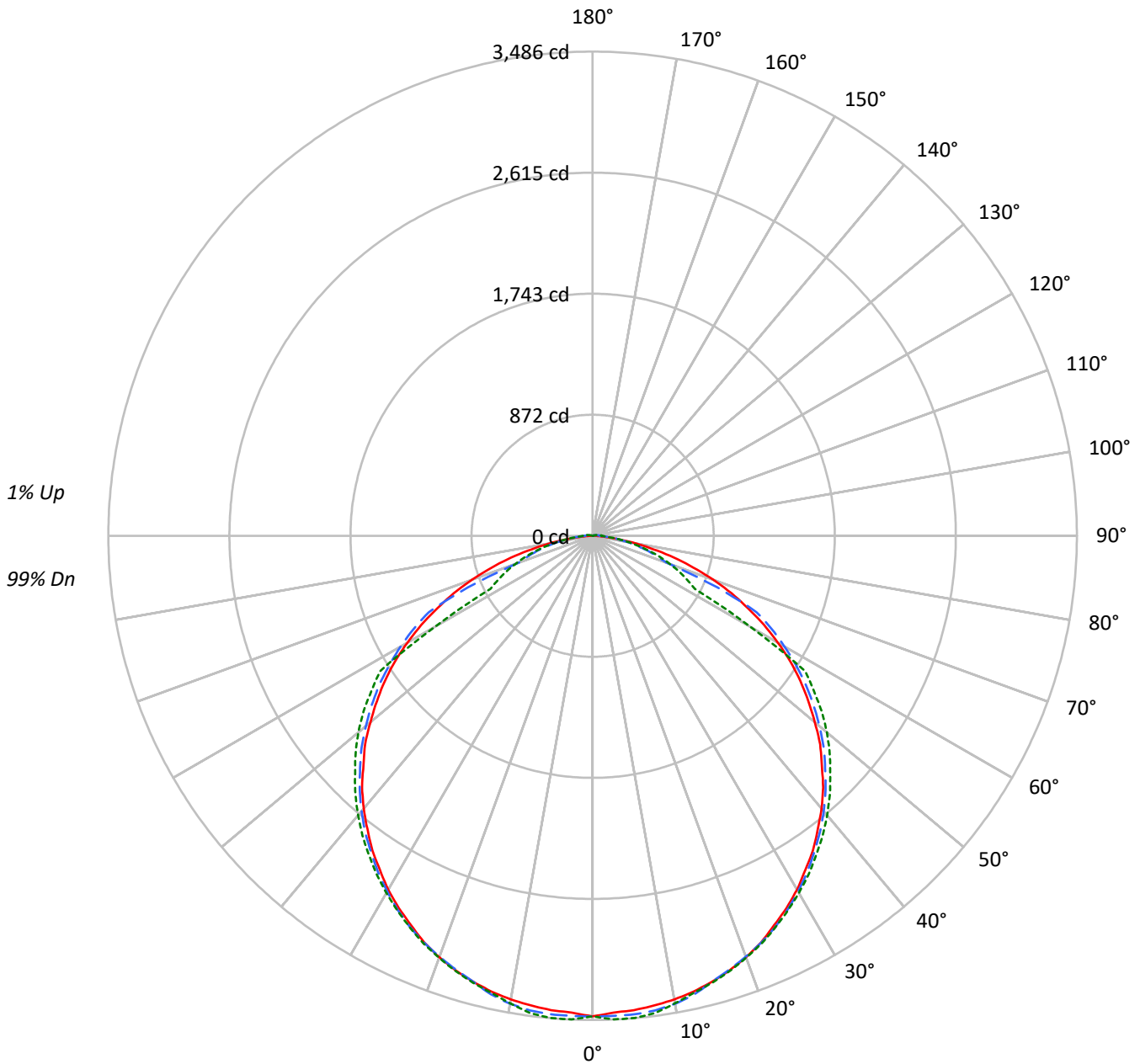
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9715.0 lumens  
Efficiency: N/A  
Efficacy: 186.8 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

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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	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°	5910	5910	5910
5°	5877	5931	5975
10°	5879	5935	5927
15°	5878	5877	5890
20°	5870	5861	5875
25°	5830	5860	5864
30°	5803	5833	5856
35°	5765	5797	5851
40°	5715	5770	5855
45°	5633	5718	5843
50°	5548	5661	5848
55°	5442	5583	5784
60°	5260	5446	4503
65°	4976	5266	3030
70°	4603	2796	2941
75°	4015	2656	2809
80°	3087	2436	2574
85°	1558	2463	2522



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.7	3.4
10°-20°	941.3	9.7
20°-30°	1432.2	14.7
30°-40°	1741.4	17.9
40°-50°	1831.0	18.8
50°-60°	1671.9	17.2
60°-70°	1071.8	11.0
70°-80°	506.3	5.2
80°-90°	140.4	1.4
90°-100°	37.2	0.4
100°-110°	10.2	0.1
110°-120°	2.8	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°	2702.2	27.8
0°-40°	4443.5	45.7
0°-60°	7946.4	81.8
0°-90°	9664.8	99.5
90°-120°	50.2	0.5
90°-150°	50.2	0.5
90°-180°	50.0	0.5
0°-180°	9715.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3460	3460	3460	3460	3460	
5°	3428	3441	3459	3478	3485	326
15°	3324	3349	3324	3328	3331	938
25°	3094	3098	3109	3114	3112	1427
35°	2765	2749	2780	2814	2806	1728
45°	2332	2328	2367	2423	2419	1803
55°	1828	1814	1875	1938	1942	1630
65°	1231	1231	1303	747	750	1221
75°	608	620	402	424	426	641
85°	80	101	126	136	129	118
90°	0	34	56	66	65	3
95°	2	18	40	54	54	1
105°	3	7	10	10	9	3
115°	3	4	6	4	1	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3460.2	3460.2	3460.2	3460.2	3460.2
2.5°	3435.9	3447.5	3460.2	3476.6	3485.7
5°	3428.0	3441.4	3459.0	3477.8	3485.1
7.5°	3411.1	3429.8	3446.9	3460.2	3464.5
10°	3389.8	3412.3	3422.0	3420.8	3417.7
12.5°	3361.2	3385.0	3381.9	3367.9	3370.4
15°	3324.2	3349.1	3323.6	3328.5	3330.9
17.5°	3280.5	3304.8	3275.0	3284.7	3285.4
20°	3229.5	3247.7	3224.6	3232.5	3232.5
22.5°	3168.2	3180.9	3171.2	3176.7	3177.9
25°	3093.5	3098.3	3109.3	3114.1	3111.7
27.5°	3021.9	3015.8	3037.1	3048.6	3042.5
30°	2942.3	2932.6	2957.5	2976.3	2969.1
32.5°	2851.2	2845.2	2873.7	2896.2	2891.9
35°	2765.0	2748.6	2780.2	2814.2	2806.3
37.5°	2663.0	2653.3	2689.1	2725.0	2720.7
40°	2563.4	2547.0	2587.7	2630.2	2626.0
42.5°	2456.6	2437.1	2481.5	2532.5	2527.6
45°	2332.1	2327.8	2367.3	2423.2	2418.9
47.5°	2221.6	2200.4	2255.6	2309.7	2314.5
50°	2088.0	2080.2	2130.6	2196.1	2200.9
52.5°	1957.5	1952.0	2004.8	2071.0	2079.5
55°	1827.5	1813.6	1874.9	1937.5	1942.3
57.5°	1688.6	1674.0	1736.5	1804.5	1814.8
60°	1539.7	1525.8	1594.4	1657.6	1318.2
62.5°	1391.0	1381.3	1453.0	1029.2	829.4
65°	1231.3	1231.3	1302.9	747.4	749.8
67.5°	1082.0	1072.3	971.5	671.5	671.5
70°	921.7	925.3	559.8	588.4	589.0
72.5°	760.8	774.1	483.3	506.3	507.6
75°	608.4	619.9	402.5	423.8	425.6
77.5°	446.9	343.7	323.6	340.1	340.6
80°	313.9	216.8	247.7	263.5	261.7
82.5°	183.3	151.8	181.5	193.1	192.5
85°	79.5	100.8	125.7	136.0	128.7
87.5°	25.5	62.5	78.3	84.4	83.8
90°	0.0	34.0	55.9	66.1	65.0
92.5°	0.0	26.7	48.6	60.7	61.3
95°	1.8	17.6	40.1	54.1	54.1
97.5°	1.2	12.7	28.5	42.5	43.7
100°	1.2	10.3	18.8	30.3	31.0
102.5°	3.0	8.5	11.5	19.4	20.1
105°	3.0	6.7	9.7	9.7	9.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.7	4.9	6.7	4.9	0.6
115°	3.0	4.2	6.0	4.2	0.6
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°	3.0	6.0	8.5	5.5	1.8
110°	3.7	5.5	7.3	4.9	0.6



(END OF REPORT)