

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: P830429

Luminaire Tested: **OHBL-36SE-NL-UNV-L740-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830429  
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-36SE-NL-UNV-L740-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

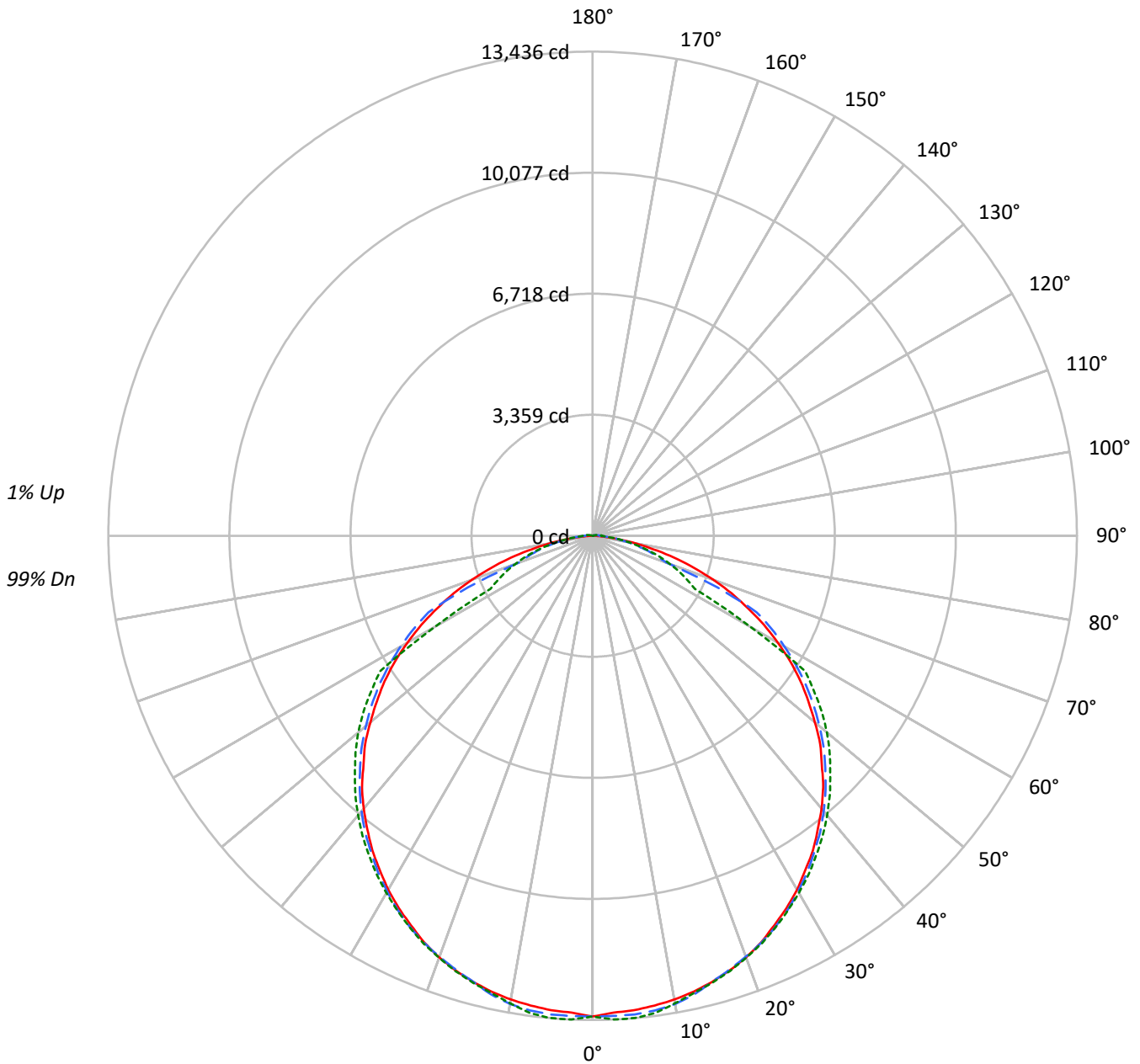
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37449.0 lumens  
Efficiency: N/A  
Efficacy: 177.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 211  
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					20					
RC	80					70					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	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°	21094	21094	21094
5°	20978	21167	21327
10°	20984	21183	21157
15°	20980	20976	21022
20°	20951	20920	20971
25°	20808	20914	20931
30°	20712	20819	20900
35°	20578	20691	20885
40°	20400	20593	20898
45°	20106	20409	20854
50°	19803	20206	20874
55°	19424	19927	20644
60°	18773	19439	16072
65°	17761	18795	10817
70°	16428	9978	10498
75°	14329	9481	10025
80°	11020	8698	9187
85°	5562	8790	9002



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1267.2	3.4
10°-20°	3628.3	9.7
20°-30°	5520.8	14.7
30°-40°	6712.5	17.9
40°-50°	7057.9	18.8
50°-60°	6444.7	17.2
60°-70°	4131.4	11.0
70°-80°	1951.6	5.2
80°-90°	541.2	1.4
90°-100°	143.3	0.4
100°-110°	39.2	0.1
110°-120°	10.9	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°	10416.3	27.8
0°-40°	17128.8	45.7
0°-60°	30631.4	81.8
0°-90°	37255.6	99.5
90°-120°	193.4	0.5
90°-150°	193.4	0.5
90°-180°	193.0	0.5
0°-180°	37449.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13338	13338	13338	13338	13338	
5°	13214	13266	13334	13406	13434	###
15°	12814	12910	12812	12830	12840	3618
25°	11925	11943	11985	12004	11995	5502
35°	10658	10595	10717	10848	10818	6661
45°	8990	8973	9125	9341	9324	6948
55°	7045	6991	7227	7468	7487	6283
65°	4746	4746	5022	2881	2890	4706
75°	2345	2390	1552	1634	1641	2472
85°	306	388	484	524	496	453
90°	0	131	215	255	250	13
95°	7	68	155	208	208	4
105°	12	26	37	37	35	12
115°	12	16	23	16	2	8
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	13338.4	13338.4	13338.4	13338.4	13338.4
2.5°	13244.7	13289.3	13338.4	13401.6	13436.5
5°	13214.2	13265.8	13333.7	13406.3	13434.3
7.5°	13148.8	13221.2	13286.8	13338.4	13354.7
10°	13066.8	13153.5	13190.9	13186.2	13174.6
12.5°	12956.8	13048.2	13036.6	12982.5	12992.0
15°	12814.0	12909.9	12811.8	12830.4	12839.8
17.5°	12645.5	12739.2	12624.5	12661.9	12664.4
20°	12449.0	12519.2	12430.2	12460.7	12460.7
22.5°	12212.7	12261.7	12224.3	12245.4	12250.1
25°	11924.7	11943.3	11985.4	12004.3	11994.8
27.5°	11648.7	11625.1	11707.2	11751.5	11728.0
30°	11341.9	11304.5	11400.4	11473.0	11445.0
32.5°	10990.8	10967.5	11077.5	11164.0	11147.6
35°	10658.5	10595.3	10717.0	10848.1	10817.6
37.5°	10265.3	10227.8	10365.9	10504.1	10487.8
40°	9881.4	9818.2	9975.1	10138.9	10122.5
42.5°	9469.6	9394.5	9565.5	9762.2	9743.4
45°	8989.6	8973.3	9125.4	9340.7	9324.4
47.5°	8563.9	8481.9	8694.8	8903.1	8922.0
50°	8048.8	8018.5	8212.8	8465.5	8484.1
52.5°	7545.7	7524.7	7728.1	7983.3	8016.1
55°	7044.7	6990.9	7227.3	7468.4	7487.3
57.5°	6509.0	6452.7	6693.8	6956.0	6995.7
60°	5935.4	5881.6	6146.0	6389.6	5081.2
62.5°	5362.0	5324.5	5600.8	3967.1	3197.3
65°	4746.4	4746.4	5022.5	2881.1	2890.5
67.5°	4170.8	4133.4	3744.9	2588.4	2588.4
70°	3552.8	3567.0	2157.8	2268.0	2270.3
72.5°	2932.6	2984.2	1863.1	1951.9	1956.6
75°	2345.1	2389.7	1551.7	1633.7	1640.6
77.5°	1722.6	1324.7	1247.4	1310.8	1313.0
80°	1210.0	835.6	955.0	1015.7	1008.8
82.5°	706.7	585.0	699.8	744.4	741.9
85°	306.5	388.5	484.4	524.3	496.1
87.5°	98.1	241.1	301.8	325.4	322.9
90°	0.0	131.1	215.3	255.0	250.5
92.5°	0.0	102.8	187.3	234.2	236.4
95°	6.9	67.9	154.6	208.4	208.4
97.5°	4.7	49.1	110.0	163.8	168.5
100°	4.7	39.6	72.6	117.0	119.4
102.5°	11.6	32.7	44.4	74.8	77.3
105°	11.6	25.8	37.4	37.4	35.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	14.1	18.8	25.8	18.8	2.2
115°	11.6	16.4	23.3	16.4	2.2
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°	11.6	23.3	32.7	21.1	6.9
110°	14.1	21.1	28.0	18.8	2.2



(END OF REPORT)