

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: P830435

Luminaire Tested: **OHBL-36SE-NL-UNV-L930-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830435  
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-L930-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

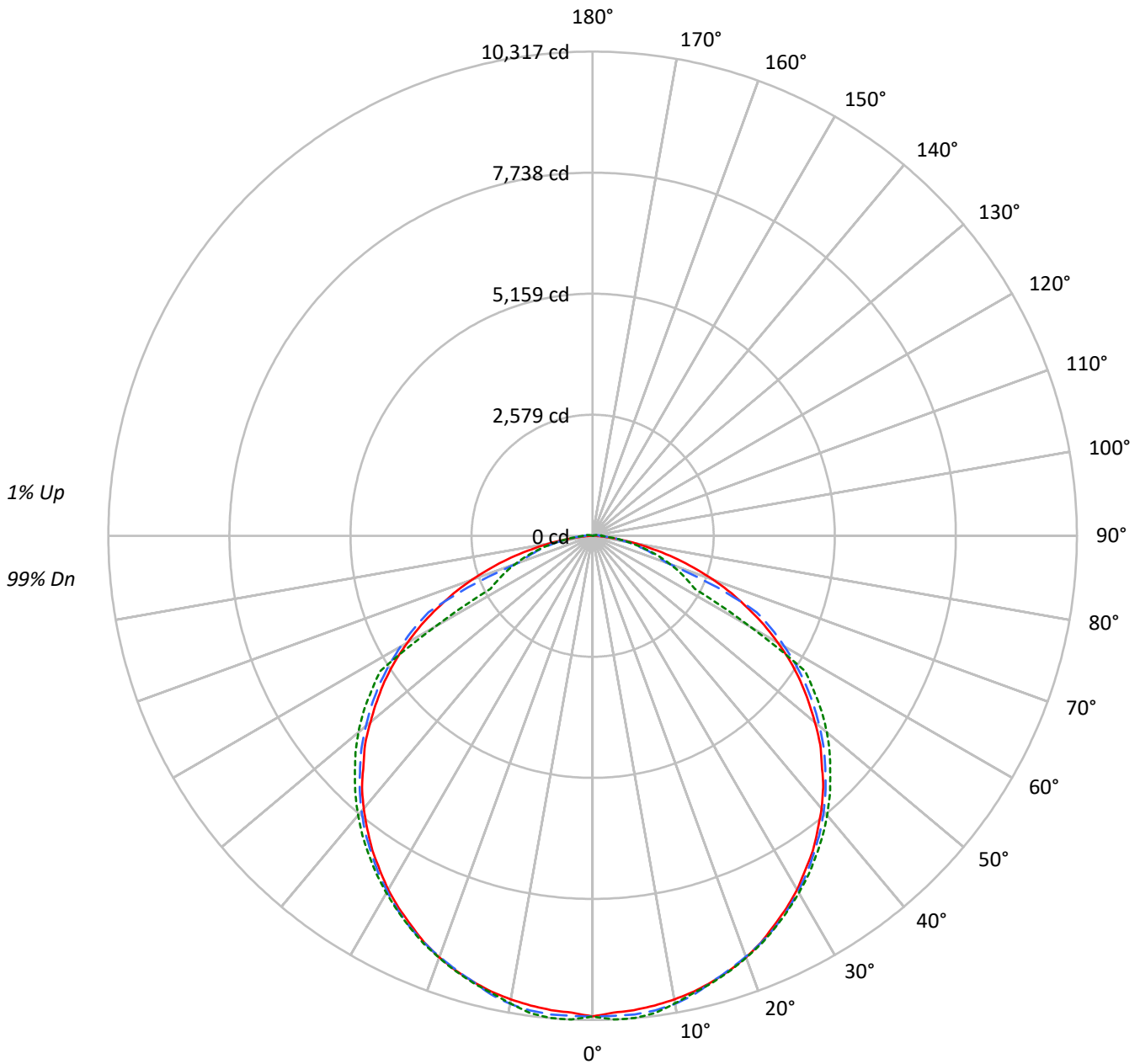
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28754.0 lumens  
Efficiency: N/A  
Efficacy: 136.3 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									
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°	16197	16197	16197
5°	16107	16253	16375
10°	16112	16265	16245
15°	16109	16106	16141
20°	16087	16062	16102
25°	15977	16058	16071
30°	15903	15985	16047
35°	15800	15887	16036
40°	15663	15812	16046
45°	15438	15671	16012
50°	15205	15515	16027
55°	14914	15301	15851
60°	14415	14926	12340
65°	13638	14431	8305
70°	12614	7661	8060
75°	11002	7280	7697
80°	8461	6678	7054
85°	4270	6750	6912



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	973.0	3.4
10°-20°	2785.9	9.7
20°-30°	4239.0	14.7
30°-40°	5154.0	17.9
40°-50°	5419.2	18.8
50°-60°	4948.4	17.2
60°-70°	3172.1	11.0
70°-80°	1498.5	5.2
80°-90°	415.5	1.4
90°-100°	110.0	0.4
100°-110°	30.1	0.1
110°-120°	8.4	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°	7997.8	27.8
0°-40°	13151.8	45.7
0°-60°	23519.4	81.8
0°-90°	28605.5	99.5
90°-120°	148.5	0.5
90°-150°	148.5	0.5
90°-180°	149.0	0.5
0°-180°	28754.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10241	10241	10241	10241	10241	
5°	10146	10186	10238	10294	10315	965
15°	9839	9912	9837	9851	9859	2778
25°	9156	9170	9203	9217	9210	4225
35°	8184	8135	8229	8329	8306	5114
45°	6902	6890	7007	7172	7159	5335
55°	5409	5368	5549	5734	5749	4824
65°	3644	3644	3856	2212	2219	3613
75°	1801	1835	1191	1254	1260	1898
85°	235	298	372	403	381	348
90°	0	101	165	196	192	10
95°	5	52	119	160	160	3
105°	9	20	29	29	27	9
115°	9	13	18	13	2	6
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°	10241.4	10241.4	10241.4	10241.4	10241.4
2.5°	10169.5	10203.8	10241.4	10290.0	10316.8
5°	10146.1	10185.7	10237.8	10293.6	10315.1
7.5°	10095.9	10151.4	10201.9	10241.4	10254.0
10°	10032.9	10099.5	10128.2	10124.6	10115.7
12.5°	9948.4	10018.6	10009.7	9968.2	9975.5
15°	9838.8	9912.5	9837.1	9851.4	9858.6
17.5°	9709.5	9781.4	9693.3	9722.0	9723.9
20°	9558.6	9612.4	9544.1	9567.5	9567.5
22.5°	9377.1	9414.8	9386.0	9402.2	9405.8
25°	9156.0	9170.3	9202.6	9217.1	9209.9
27.5°	8944.1	8926.0	8989.0	9023.0	9004.9
30°	8708.5	8679.8	8753.4	8809.2	8787.7
32.5°	8438.9	8421.0	8505.5	8571.9	8559.4
35°	8183.8	8135.3	8228.7	8329.3	8305.9
37.5°	7881.8	7853.1	7959.1	8065.3	8052.7
40°	7587.1	7538.6	7659.1	7784.8	7772.3
42.5°	7270.9	7213.3	7344.6	7495.6	7481.2
45°	6902.4	6889.8	7006.7	7172.0	7159.4
47.5°	6575.5	6512.6	6676.0	6836.0	6850.5
50°	6180.0	6156.8	6305.9	6500.0	6514.3
52.5°	5793.8	5777.6	5933.8	6129.8	6154.9
55°	5409.1	5367.8	5549.3	5734.4	5748.9
57.5°	4997.7	4954.5	5139.6	5340.9	5371.4
60°	4557.3	4516.0	4719.0	4906.0	3901.4
62.5°	4117.0	4088.3	4300.4	3046.0	2454.9
65°	3644.4	3644.4	3856.4	2212.1	2219.4
67.5°	3202.4	3173.7	2875.4	1987.4	1987.4
70°	2727.9	2738.8	1656.8	1741.4	1743.2
72.5°	2251.7	2291.3	1430.6	1498.7	1502.3
75°	1800.6	1834.9	1191.4	1254.4	1259.7
77.5°	1322.7	1017.1	957.8	1006.5	1008.2
80°	929.0	641.6	733.3	779.9	774.5
82.5°	542.6	449.2	537.3	571.5	569.6
85°	235.3	298.3	372.0	402.6	380.9
87.5°	75.3	185.1	231.7	249.8	247.9
90°	0.0	100.6	165.3	195.8	192.4
92.5°	0.0	79.0	143.8	179.8	181.5
95°	5.3	52.1	118.7	160.0	160.0
97.5°	3.6	37.7	84.5	125.8	129.4
100°	3.6	30.4	55.7	89.8	91.7
102.5°	8.9	25.1	34.1	57.5	59.4
105°	8.9	19.8	28.7	28.7	27.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.8	14.5	19.8	14.5	1.7
115°	8.9	12.6	17.9	12.6	1.7
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°	8.9	17.9	25.1	16.2	5.3
110°	10.8	16.2	21.5	14.5	1.7



(END OF REPORT)