

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: P830328

Luminaire Tested: **OHBL-36HE-MCL-UNV-L935-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-36HE-MCL-UNV-L935-CD  
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

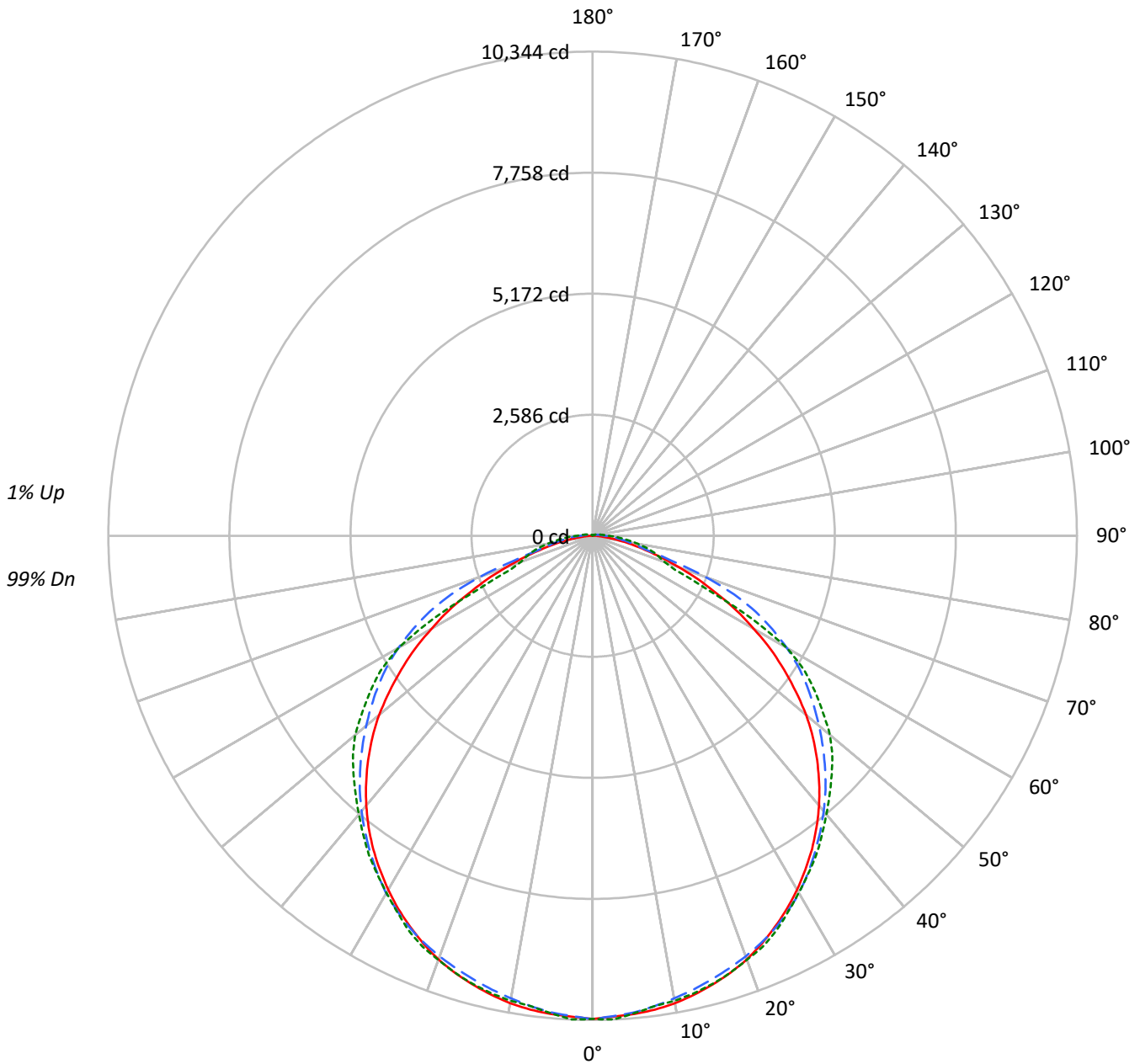
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29177.0 lumens  
Efficiency: N/A  
Efficacy: 137.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 212  
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

TEST NUMBER: P830328

CATALOG NUMBER: OHBL-36HE-MCL-UNV-L935-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P830328

CATALOG NUMBER: OHBL-36HE-MCL-UNV-L935-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	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

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

	0°	45°	90°
0°	16325	16325	16325
5°	16219	16088	16122
10°	16159	15845	15943
15°	16057	15662	15836
20°	15954	15547	15696
25°	15762	15432	15557
30°	15552	15250	15263
35°	15302	14960	15100
40°	14976	14662	14879
45°	14525	14316	14782
50°	13914	13923	14664
55°	12943	13536	14117
60°	11671	12969	13052
65°	10012	11918	8272
70°	8064	9304	5997
75°	6046	5523	6087
80°	4208	4592	5811
85°	2395	4208	5447



TEST NUMBER: P830328

CATALOG NUMBER: OHBL-36HE-MCL-UNV-L935-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	973.4	3.3
10°-20°	2791.1	9.6
20°-30°	4262.9	14.6
30°-40°	5172.4	17.7
40°-50°	5421.1	18.6
50°-60°	4912.4	16.8
60°-70°	3293.5	11.3
70°-80°	1478.9	5.1
80°-90°	536.7	1.8
90°-100°	161.5	0.6
100°-110°	76.2	0.3
110°-120°	38.2	0.1
120°-130°	21.1	0.1
130°-140°	14.5	0.0
140°-150°	9.7	0.0
150°-160°	7.2	0.0
160°-170°	4.6	0.0
170°-180°	1.5	0.0
0°-30°	8027.4	27.5
0°-40°	13199.7	45.2
0°-60°	23533.2	80.7
0°-90°	28842.4	98.9
90°-120°	276.0	0.9
90°-150°	321.2	1.1
90°-180°	335.0	1.1
0°-180°	29177.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10323	10323	10323	10323	10323	
5°	10256	10292	10220	10251	10238	975
15°	9923	9884	9814	9900	9912	2802
25°	9218	9178	9242	9327	9300	4249
35°	8170	8190	8274	8362	8329	5107
45°	6781	6891	7020	7199	7221	5224
55°	4990	5230	5587	5811	5797	4454
65°	2928	3387	3845	3245	2649	2918
75°	1152	1672	1230	1258	1340	1259
85°	198	381	488	590	618	242
90°	2	127	252	316	331	12
95°	2	79	173	210	216	2
105°	6	34	85	103	108	7
115°	12	18	43	55	58	11
125°	10	12	27	31	33	10
135°	13	15	16	24	25	11
145°	13	15	15	16	18	9
155°	15	16	16	16	15	7
165°	16	16	16	16	16	5
175°	16	16	15	13	13	2
180°	15	15	15	15	15	



TEST NUMBER: P830328

CATALOG NUMBER: OHBL-36HE-MCL-UNV-L935-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10322.8	10322.8	10322.8	10322.8	10322.8
2.5°	10281.1	10324.3	10270.6	10328.8	10343.7
5°	10255.7	10291.5	10219.9	10251.2	10237.8
7.5°	10209.4	10221.4	10136.3	10161.6	10134.8
10°	10140.7	10134.8	10034.8	10084.0	10090.0
12.5°	10039.3	10021.3	9931.8	10006.4	10007.9
15°	9922.8	9884.0	9813.9	9900.4	9912.4
17.5°	9788.5	9737.7	9691.5	9803.4	9785.5
20°	9631.8	9572.1	9563.1	9685.5	9640.7
22.5°	9437.7	9391.5	9412.4	9528.8	9500.4
25°	9218.3	9178.0	9242.2	9327.3	9300.4
27.5°	8987.0	8963.1	9036.2	9101.9	9049.7
30°	8733.2	8719.8	8816.8	8870.5	8804.9
32.5°	8457.1	8461.6	8554.1	8627.2	8566.1
35°	8170.5	8189.9	8273.5	8361.6	8328.7
37.5°	7855.6	7898.9	7982.4	8082.4	8048.1
40°	7522.7	7585.4	7678.0	7798.9	7767.5
42.5°	7163.0	7242.1	7361.5	7495.9	7492.9
45°	6780.9	6891.4	7019.7	7198.8	7221.2
47.5°	6383.9	6507.8	6670.4	6909.3	6943.6
50°	5952.5	6107.7	6310.7	6597.3	6618.2
52.5°	5471.9	5683.8	5952.5	6227.1	6201.8
55°	4989.8	5230.1	5586.8	5810.7	5797.3
57.5°	4509.2	4779.3	5212.2	5371.9	5370.4
60°	3971.8	4313.6	4786.8	4907.7	4788.3
62.5°	3474.8	3842.0	4333.0	4245.0	3836.0
65°	2928.5	3386.7	3844.9	3244.9	2649.4
67.5°	2443.4	2921.0	3265.8	2222.5	1903.1
70°	1955.3	2482.2	2546.4	1649.3	1626.9
72.5°	1522.5	2083.7	1756.8	1412.0	1483.6
75°	1152.3	1671.7	1229.9	1258.3	1340.4
77.5°	840.3	1283.6	956.8	1103.0	1170.2
80°	577.6	909.0	780.6	926.9	973.2
82.5°	362.7	600.0	625.4	746.3	794.1
85°	198.5	380.6	488.1	589.6	617.9
87.5°	82.1	229.9	373.2	455.2	479.1
90°	1.5	126.9	252.3	316.4	331.4
92.5°	1.5	97.0	206.0	255.2	265.7
95°	1.5	79.1	173.1	210.5	216.4
97.5°	3.0	62.7	144.8	174.6	180.6
100°	4.5	52.2	120.9	146.3	150.8
102.5°	6.0	41.8	101.5	122.4	126.9
105°	6.0	34.3	85.1	103.0	107.5



TEST NUMBER: P830328

CATALOG NUMBER: OHBL-36HE-MCL-UNV-L935-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	10.4	20.9	50.7	64.2	67.2
115°	11.9	17.9	43.3	55.2	58.2
117.5°	11.9	14.9	37.3	46.3	49.3
120°	11.9	13.4	32.8	40.3	41.8
122.5°	11.9	11.9	28.4	35.8	37.3
125°	10.4	11.9	26.9	31.3	32.8
127.5°	11.9	11.9	23.9	28.4	29.9
130°	11.9	13.4	20.9	26.9	26.9
132.5°	13.4	14.9	19.4	25.4	25.4
135°	13.4	14.9	16.4	23.9	25.4
137.5°	14.9	14.9	14.9	22.4	23.9
140°	14.9	14.9	13.4	19.4	20.9
142.5°	13.4	14.9	13.4	17.9	19.4
145°	13.4	14.9	14.9	16.4	17.9
147.5°	14.9	14.9	14.9	14.9	16.4
150°	14.9	14.9	14.9	14.9	14.9
152.5°	14.9	14.9	14.9	14.9	14.9
155°	14.9	16.4	16.4	16.4	14.9
157.5°	14.9	16.4	16.4	16.4	16.4
160°	14.9	16.4	16.4	16.4	16.4
162.5°	16.4	16.4	16.4	16.4	16.4
165°	16.4	16.4	16.4	16.4	16.4
167.5°	16.4	17.9	16.4	16.4	16.4
170°	16.4	16.4	16.4	14.9	14.9
172.5°	16.4	16.4	16.4	14.9	14.9
175°	16.4	16.4	14.9	13.4	13.4
177.5°	17.9	16.4	14.9	13.4	11.9
180°	14.9	14.9	14.9	14.9	14.9



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	7.5	28.4	73.1	88.1	91.0
110°	9.0	23.9	61.2	74.6	77.6



(END OF REPORT)