

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: P830393

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830393  
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-36SE-MCL-UNV-L740-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

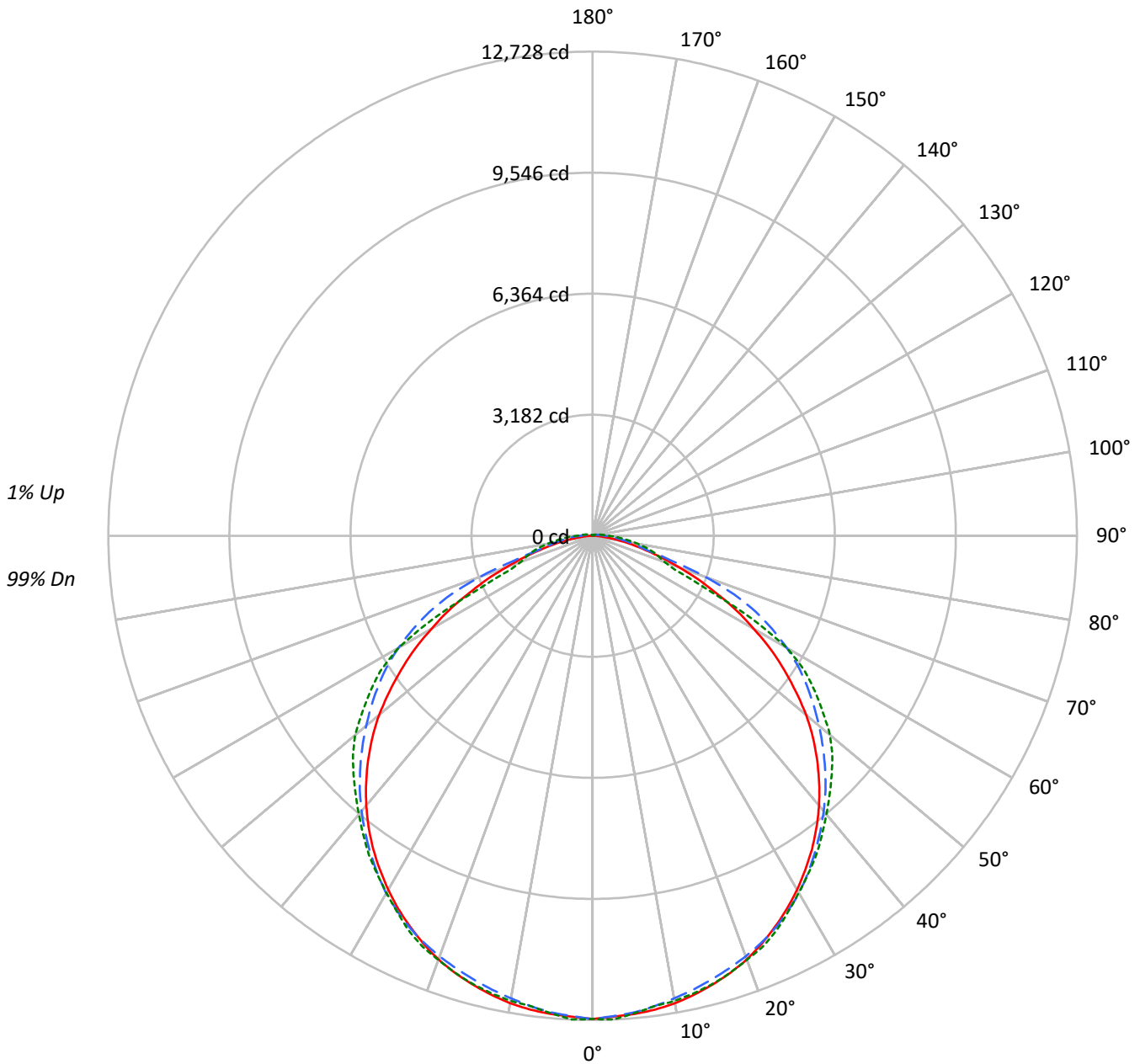
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35902.0 lumens  
Efficiency: N/A  
Efficacy: 170.2 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): 211  
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: P830393

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L740-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P830393

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L740-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°	20088	20088	20088
5°	19957	19796	19838
10°	19884	19497	19618
15°	19757	19272	19486
20°	19631	19131	19314
25°	19394	18989	19143
30°	19137	18765	18781
35°	18829	18409	18581
40°	18428	18041	18309
45°	17873	17616	18189
50°	17121	17132	18044
55°	15926	16655	17371
60°	14362	15958	16060
65°	12320	14665	10178
70°	9923	11448	7379
75°	7440	6796	7489
80°	5179	5651	7150
85°	2948	5178	6703



TEST NUMBER: P830393

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L740-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1197.7	3.3
10°-20°	3434.4	9.6
20°-30°	5245.5	14.6
30°-40°	6364.5	17.7
40°-50°	6670.6	18.6
50°-60°	6044.6	16.8
60°-70°	4052.7	11.3
70°-80°	1819.8	5.1
80°-90°	660.4	1.8
90°-100°	198.8	0.6
100°-110°	93.8	0.3
110°-120°	47.0	0.1
120°-130°	25.9	0.1
130°-140°	17.8	0.0
140°-150°	12.0	0.0
150°-160°	8.9	0.0
160°-170°	5.7	0.0
170°-180°	1.8	0.0
0°-30°	9877.6	27.5
0°-40°	16242.1	45.2
0°-60°	28957.3	80.7
0°-90°	35490.2	98.9
90°-120°	339.6	0.9
90°-150°	395.3	1.1
90°-180°	412.0	1.1
0°-180°	35902.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12702	12702	12702	12702	12702	
5°	12620	12664	12575	12614	12598	###
15°	12210	12162	12076	12182	12197	3447
25°	11343	11294	11372	11477	11444	5229
35°	10054	10078	10180	10289	10248	6284
45°	8344	8480	8638	8858	8886	6428
55°	6140	6436	6874	7150	7134	5481
65°	3604	4167	4731	3993	3260	3590
75°	1418	2057	1513	1548	1649	1550
85°	244	468	601	726	760	298
90°	2	156	310	389	408	15
95°	2	97	213	259	266	2
105°	7	42	105	127	132	8
115°	15	22	53	68	72	14
125°	13	15	33	39	40	13
135°	16	18	20	29	31	13
145°	16	18	18	20	22	11
155°	18	20	20	20	18	9
165°	20	20	20	20	20	6
175°	20	20	18	16	16	2
180°	18	18	18	18	18	



TEST NUMBER: P830393

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L740-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	12702.2	12702.2	12702.2	12702.2	12702.2
2.5°	12650.7	12704.0	12637.9	12709.5	12727.9
5°	12619.5	12663.6	12575.4	12614.0	12597.5
7.5°	12562.6	12577.3	12472.6	12503.8	12470.7
10°	12478.1	12470.7	12347.7	12408.3	12415.6
12.5°	12353.2	12331.2	12221.0	12312.8	12314.6
15°	12209.9	12162.2	12075.9	12182.4	12197.1
17.5°	12044.6	11982.2	11925.3	12063.0	12041.0
20°	11851.8	11778.3	11767.3	11917.9	11862.8
22.5°	11613.0	11556.1	11581.8	11725.1	11690.2
25°	11343.0	11293.5	11372.4	11477.1	11444.1
27.5°	11058.4	11029.0	11119.0	11199.8	11135.5
30°	10746.1	10729.6	10849.0	10915.1	10834.3
32.5°	10406.4	10411.9	10525.7	10615.7	10540.4
35°	10053.7	10077.6	10180.5	10288.8	10248.4
37.5°	9666.2	9719.5	9822.3	9945.4	9903.1
40°	9256.6	9333.8	9447.6	9596.4	9557.8
42.5°	8814.0	8911.3	9058.3	9223.6	9219.9
45°	8343.8	8479.7	8637.7	8858.1	8885.6
47.5°	7855.3	8007.7	8207.9	8501.8	8544.0
50°	7324.5	7515.5	7765.3	8117.9	8143.6
52.5°	6733.1	6993.9	7324.5	7662.4	7631.2
55°	6139.9	6435.6	6874.5	7150.0	7133.5
57.5°	5548.5	5880.9	6413.5	6610.0	6608.2
60°	4887.3	5307.9	5890.1	6038.9	5891.9
62.5°	4275.7	4727.5	5331.7	5223.4	4720.1
65°	3603.5	4167.3	4731.2	3992.8	3260.0
67.5°	3006.6	3594.3	4018.6	2734.7	2341.7
70°	2406.0	3054.3	3133.3	2029.5	2001.9
72.5°	1873.4	2563.9	2161.7	1737.5	1825.6
75°	1417.9	2057.0	1513.4	1548.3	1649.3
77.5°	1034.0	1579.5	1177.3	1357.3	1439.9
80°	710.8	1118.5	960.6	1140.5	1197.5
82.5°	446.3	738.3	769.5	918.3	977.1
85°	244.3	468.3	600.6	725.5	760.4
87.5°	101.0	282.8	459.2	560.2	589.6
90°	1.8	156.1	310.4	389.4	407.7
92.5°	1.8	119.4	253.5	314.1	326.9
95°	1.8	97.3	213.0	259.0	266.3
97.5°	3.7	77.1	178.2	214.9	222.2
100°	5.5	64.3	148.8	180.0	185.5
102.5°	7.3	51.4	124.9	150.6	156.1
105°	7.3	42.2	104.7	126.7	132.2



TEST NUMBER: P830393

CATALOG NUMBER: OHBL-36SE-MCL-UNV-L740-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	12.9	25.7	62.4	79.0	82.6
115°	14.7	22.0	53.3	68.0	71.6
117.5°	14.7	18.4	45.9	56.9	60.6
120°	14.7	16.5	40.4	49.6	51.4
122.5°	14.7	14.7	34.9	44.1	45.9
125°	12.9	14.7	33.1	38.6	40.4
127.5°	14.7	14.7	29.4	34.9	36.7
130°	14.7	16.5	25.7	33.1	33.1
132.5°	16.5	18.4	23.9	31.2	31.2
135°	16.5	18.4	20.2	29.4	31.2
137.5°	18.4	18.4	18.4	27.5	29.4
140°	18.4	18.4	16.5	23.9	25.7
142.5°	16.5	18.4	16.5	22.0	23.9
145°	16.5	18.4	18.4	20.2	22.0
147.5°	18.4	18.4	18.4	18.4	20.2
150°	18.4	18.4	18.4	18.4	18.4
152.5°	18.4	18.4	18.4	18.4	18.4
155°	18.4	20.2	20.2	20.2	18.4
157.5°	18.4	20.2	20.2	20.2	20.2
160°	18.4	20.2	20.2	20.2	20.2
162.5°	20.2	20.2	20.2	20.2	20.2
165°	20.2	20.2	20.2	20.2	20.2
167.5°	20.2	22.0	20.2	20.2	20.2
170°	20.2	20.2	20.2	18.4	18.4
172.5°	20.2	20.2	20.2	18.4	18.4
175°	20.2	20.2	18.4	16.5	16.5
177.5°	22.0	20.2	18.4	16.5	14.7
180°	18.4	18.4	18.4	18.4	18.4



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	9.2	34.9	90.0	108.4	112.0
110°	11.0	29.4	75.3	91.8	95.5



(END OF REPORT)