

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: P830387

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830387
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-A-UNV-L930-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

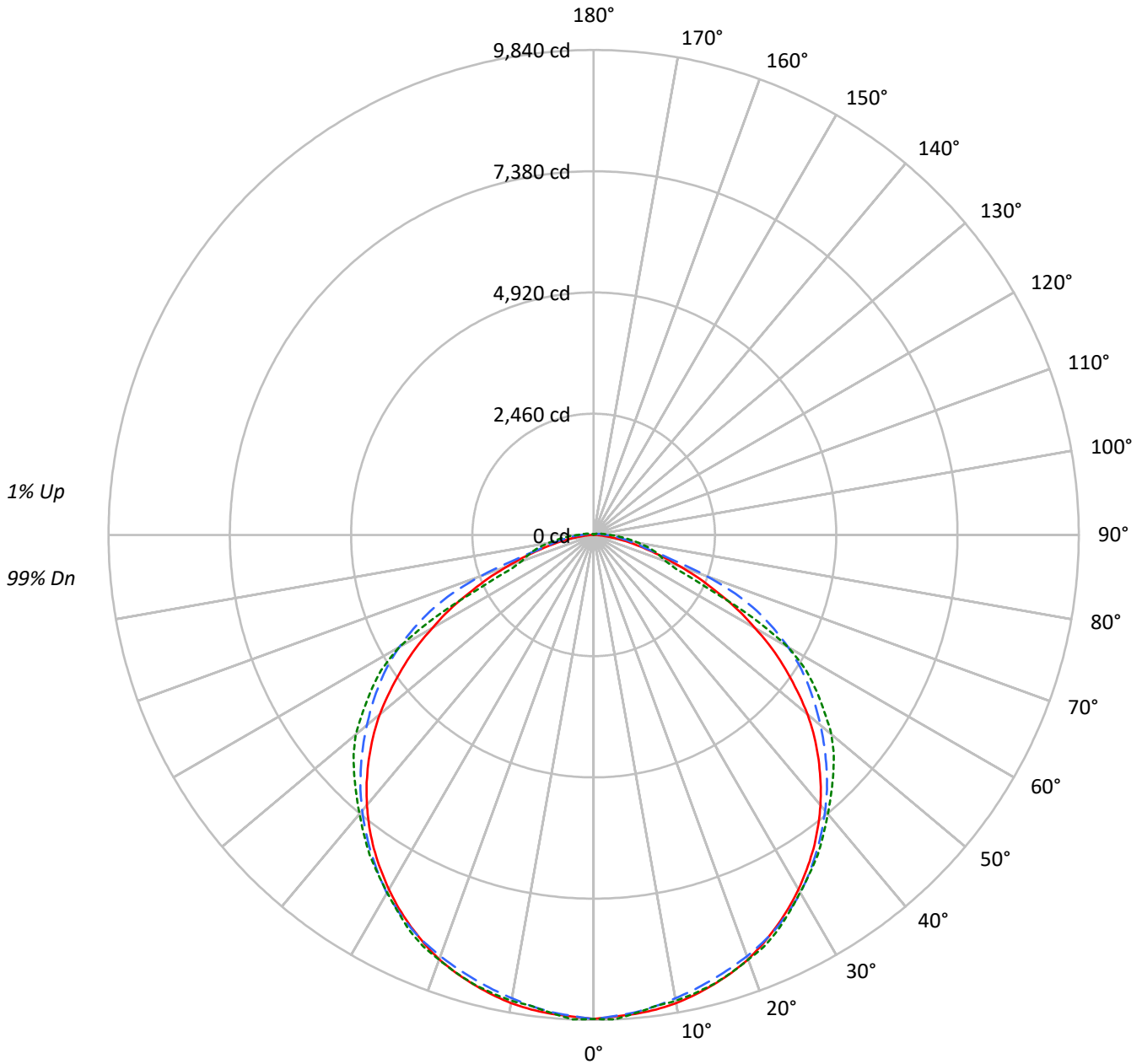
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27757.0 lumens
Efficiency: N/A
Efficacy: 131.5 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_{in}): 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				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99				99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83				83
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70				70
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59				59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51				51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44				44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38				38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34				34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32	30				30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27				27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15531	15531	15531
5°	15429	15305	15337
10°	15373	15073	15167
15°	15275	14900	15066
20°	15178	14791	14932
25°	14995	14681	14800
30°	14795	14507	14520
35°	14557	14232	14366
40°	14248	13948	14155
45°	13819	13619	14062
50°	13237	13245	13951
55°	12313	12877	13430
60°	11103	12338	12416
65°	9525	11338	7869
70°	7672	8851	5705
75°	5752	5254	5790
80°	4004	4368	5528
85°	2279	4003	5182



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	926.0	3.3
10°-20°	2655.3	9.6
20°-30°	4055.4	14.6
30°-40°	4920.6	17.7
40°-50°	5157.3	18.6
50°-60°	4673.3	16.8
60°-70°	3133.3	11.3
70°-80°	1407.0	5.1
80°-90°	510.6	1.8
90°-100°	153.7	0.6
100°-110°	72.5	0.3
110°-120°	36.3	0.1
120°-130°	20.1	0.1
130°-140°	13.8	0.0
140°-150°	9.3	0.0
150°-160°	6.9	0.0
160°-170°	4.4	0.0
170°-180°	1.4	0.0
0°-30°	7636.7	27.5
0°-40°	12557.3	45.2
0°-60°	22387.8	80.7
0°-90°	27438.6	98.9
90°-120°	262.5	0.9
90°-150°	305.7	1.1
90°-180°	318.0	1.1
0°-180°	27757.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9820	9820	9820	9820	9820	
5°	9757	9791	9722	9752	9740	928
15°	9440	9403	9336	9419	9430	2665
25°	8770	8731	8792	8873	8848	4042
35°	7773	7791	7871	7955	7923	4858
45°	6451	6556	6678	6848	6870	4969
55°	4747	4976	5315	5528	5515	4237
65°	2786	3222	3658	3087	2520	2776
75°	1096	1590	1170	1197	1275	1198
85°	189	362	464	561	588	230
90°	1	121	240	301	315	11
95°	1	75	165	200	206	2
105°	6	33	81	98	102	7
115°	11	17	41	52	55	11
125°	10	11	26	30	31	10
135°	13	14	16	23	24	10
145°	13	14	14	16	17	8
155°	14	16	16	16	14	7
165°	16	16	16	16	16	4
175°	16	16	14	13	13	2
180°	14	14	14	14	14	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9820.5	9820.5	9820.5	9820.5	9820.5
2.5°	9780.7	9821.9	9770.8	9826.1	9840.3
5°	9756.6	9790.6	9722.5	9752.3	9739.5
7.5°	9712.5	9723.9	9643.0	9667.1	9641.5
10°	9647.2	9641.5	9546.4	9593.3	9598.9
12.5°	9550.7	9533.6	9448.4	9519.4	9520.8
15°	9439.9	9403.0	9336.2	9418.6	9430.0
17.5°	9312.1	9263.8	9219.8	9326.3	9309.3
20°	9163.0	9106.2	9097.7	9214.1	9171.5
22.5°	8978.4	8934.4	8954.3	9065.0	9038.1
25°	8769.7	8731.3	8792.4	8873.3	8847.8
27.5°	8549.6	8526.9	8596.4	8658.9	8609.2
30°	8308.2	8295.4	8387.7	8438.8	8376.3
32.5°	8045.5	8049.8	8137.8	8207.4	8149.2
35°	7772.9	7791.3	7870.8	7954.6	7923.4
37.5°	7473.3	7514.4	7594.0	7689.1	7656.4
40°	7156.6	7216.2	7304.3	7419.3	7389.5
42.5°	6814.4	6889.7	7003.2	7131.0	7128.2
45°	6450.9	6556.0	6678.1	6848.5	6869.8
47.5°	6073.2	6191.0	6345.8	6573.0	6605.7
50°	5662.8	5810.5	6003.6	6276.2	6296.1
52.5°	5205.6	5407.2	5662.8	5924.1	5899.9
55°	4746.9	4975.5	5314.9	5527.9	5515.1
57.5°	4289.7	4546.7	4958.5	5110.4	5109.0
60°	3778.5	4103.7	4553.8	4668.8	4555.2
62.5°	3305.7	3655.0	4122.1	4038.4	3649.3
65°	2786.0	3221.9	3657.8	3087.0	2520.4
67.5°	2324.5	2778.9	3106.9	2114.3	1810.5
70°	1860.1	2361.4	2422.5	1569.1	1547.8
72.5°	1448.4	1982.3	1671.3	1343.3	1411.4
75°	1096.2	1590.4	1170.0	1197.0	1275.1
77.5°	799.4	1221.2	910.2	1049.4	1113.2
80°	549.5	864.8	742.6	881.8	925.8
82.5°	345.1	570.8	595.0	710.0	755.4
85°	188.9	362.1	464.3	560.9	587.9
87.5°	78.1	218.7	355.0	433.1	455.8
90°	1.4	120.7	240.0	301.0	315.2
92.5°	1.4	92.3	196.0	242.8	252.8
95°	1.4	75.3	164.7	200.2	205.9
97.5°	2.8	59.6	137.7	166.1	171.8
100°	4.3	49.7	115.0	139.2	143.4
102.5°	5.7	39.8	96.6	116.4	120.7
105°	5.7	32.7	80.9	98.0	102.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.9	19.9	48.3	61.1	63.9
115°	11.4	17.0	41.2	52.5	55.4
117.5°	11.4	14.2	35.5	44.0	46.9
120°	11.4	12.8	31.2	38.3	39.8
122.5°	11.4	11.4	27.0	34.1	35.5
125°	9.9	11.4	25.6	29.8	31.2
127.5°	11.4	11.4	22.7	27.0	28.4
130°	11.4	12.8	19.9	25.6	25.6
132.5°	12.8	14.2	18.5	24.1	24.1
135°	12.8	14.2	15.6	22.7	24.1
137.5°	14.2	14.2	14.2	21.3	22.7
140°	14.2	14.2	12.8	18.5	19.9
142.5°	12.8	14.2	12.8	17.0	18.5
145°	12.8	14.2	14.2	15.6	17.0
147.5°	14.2	14.2	14.2	14.2	15.6
150°	14.2	14.2	14.2	14.2	14.2
152.5°	14.2	14.2	14.2	14.2	14.2
155°	14.2	15.6	15.6	15.6	14.2
157.5°	14.2	15.6	15.6	15.6	15.6
160°	14.2	15.6	15.6	15.6	15.6
162.5°	15.6	15.6	15.6	15.6	15.6
165°	15.6	15.6	15.6	15.6	15.6
167.5°	15.6	17.0	15.6	15.6	15.6
170°	15.6	15.6	15.6	14.2	14.2
172.5°	15.6	15.6	15.6	14.2	14.2
175°	15.6	15.6	14.2	12.8	12.8
177.5°	17.0	15.6	14.2	12.8	11.4
180°	14.2	14.2	14.2	14.2	14.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.1	27.0	69.6	83.8	86.6
110°	8.5	22.7	58.2	71.0	73.8



(END OF REPORT)