

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: P830244

Luminaire Tested: **OHBL-30SE-A-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830244
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-30SE-A-UNV-L935-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

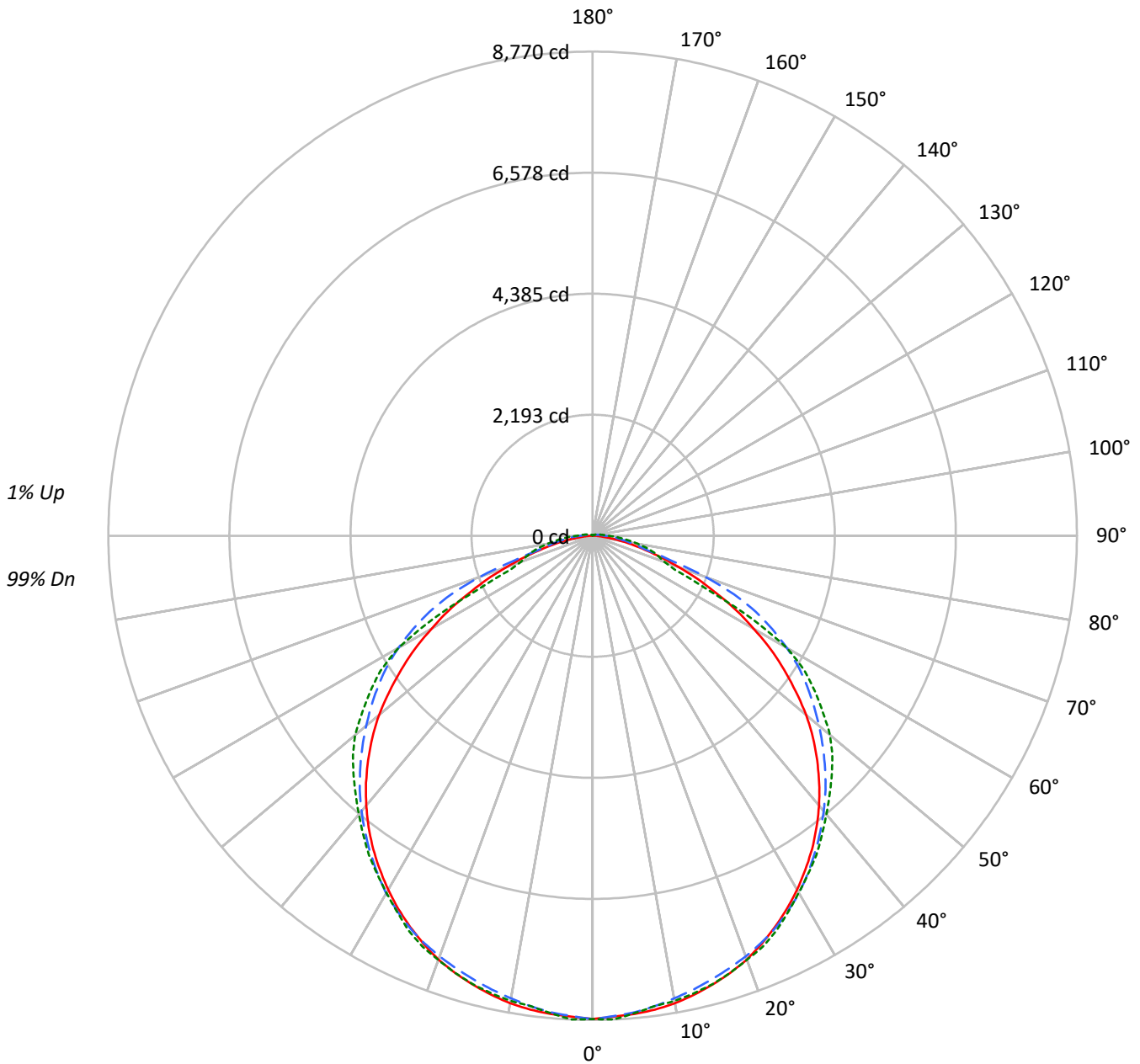
Lumens per Lamp: N/A
Luminaire Lumens: 24739.0 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
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

TEST NUMBER: P830244

CATALOG NUMBER: OHBL-30SE-A-UNV-L935-CD

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	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°	14950	14950	14950
5°	14852	14726	14754
10°	14797	14496	14581
15°	14703	14323	14473
20°	14609	14211	14336
25°	14433	14098	14199
30°	14241	13925	13920
35°	14012	13653	13761
40°	13714	13372	13547
45°	13301	13047	13445
50°	12742	12678	13323
55°	11852	12314	12808
60°	10688	11785	11821
65°	9168	10813	7475
70°	7385	8424	5404
75°	5536	4986	5461
80°	3854	4126	5179
85°	2193	3746	4790



TEST NUMBER: P830244

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	825.3	3.3
10°-20°	2366.6	9.6
20°-30°	3614.5	14.6
30°-40°	4385.6	17.7
40°-50°	4596.5	18.6
50°-60°	4165.2	16.8
60°-70°	2792.6	11.3
70°-80°	1254.0	5.1
80°-90°	455.1	1.8
90°-100°	137.0	0.6
100°-110°	64.6	0.3
110°-120°	32.4	0.1
120°-130°	17.9	0.1
130°-140°	12.3	0.0
140°-150°	8.3	0.0
150°-160°	6.1	0.0
160°-170°	3.9	0.0
170°-180°	1.3	0.0
0°-30°	6806.3	27.5
0°-40°	11192.0	45.2
0°-60°	19953.6	80.7
0°-90°	24455.3	98.9
90°-120°	234.0	0.9
90°-150°	272.4	1.1
90°-180°	284.0	1.1
0°-180°	24739.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8753	8753	8753	8753	8753	
5°	8696	8726	8665	8692	8680	827
15°	8414	8381	8321	8394	8405	2375
25°	7816	7782	7836	7908	7886	3603
35°	6928	6944	7015	7090	7062	4330
45°	5750	5843	5952	6104	6123	4429
55°	4231	4435	4737	4927	4916	3777
65°	2483	2872	3260	2751	2246	2474
75°	977	1417	1043	1067	1136	1068
85°	168	323	414	500	524	205
90°	1	108	214	268	281	10
95°	1	67	147	178	184	2
105°	5	29	72	87	91	6
115°	10	15	37	47	49	9
125°	9	10	23	27	28	9
135°	11	13	14	20	22	9
145°	11	13	13	14	15	8
155°	13	14	14	14	13	6
165°	14	14	14	14	14	4
175°	14	14	13	11	11	1
180°	13	13	13	13	13	



TEST NUMBER: P830244

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8752.7	8752.7	8752.7	8752.7	8752.7
2.5°	8717.2	8753.9	8708.4	8757.7	8770.4
5°	8695.7	8726.1	8665.4	8691.9	8680.5
7.5°	8656.5	8666.6	8594.5	8616.0	8593.2
10°	8598.3	8593.2	8508.4	8550.2	8555.3
12.5°	8512.2	8497.0	8421.1	8484.4	8485.6
15°	8413.5	8380.6	8321.1	8394.5	8404.6
17.5°	8299.6	8256.6	8217.3	8312.3	8297.1
20°	8166.7	8116.1	8108.5	8212.3	8174.3
22.5°	8002.2	7963.0	7980.7	8079.4	8055.4
25°	7816.2	7782.0	7836.4	7908.5	7885.8
27.5°	7620.0	7599.7	7661.8	7717.4	7673.1
30°	7404.8	7393.5	7475.7	7521.3	7465.6
32.5°	7170.7	7174.5	7253.0	7315.0	7263.1
35°	6927.7	6944.2	7015.1	7089.7	7061.9
37.5°	6660.7	6697.4	6768.3	6853.1	6824.0
40°	6378.5	6431.6	6510.1	6612.6	6586.0
42.5°	6073.5	6140.5	6241.8	6355.7	6353.2
45°	5749.5	5843.1	5952.0	6103.8	6122.8
47.5°	5412.8	5517.9	5655.8	5858.3	5887.4
50°	5047.1	5178.7	5350.8	5593.8	5611.5
52.5°	4639.6	4819.3	5047.1	5280.0	5258.4
55°	4230.8	4434.6	4737.0	4926.9	4915.5
57.5°	3823.3	4052.4	4419.4	4554.8	4553.5
60°	3367.7	3657.5	4058.7	4161.2	4059.9
62.5°	2946.2	3257.6	3673.9	3599.3	3252.5
65°	2483.0	2871.6	3260.1	2751.3	2246.4
67.5°	2071.7	2476.7	2769.1	1884.4	1613.6
70°	1657.9	2104.6	2159.1	1398.5	1379.5
72.5°	1290.9	1766.7	1489.6	1197.2	1258.0
75°	977.0	1417.4	1042.8	1066.9	1136.5
77.5°	712.5	1088.4	811.2	935.3	992.2
80°	489.8	770.7	661.9	785.9	825.2
82.5°	307.5	508.8	530.3	632.8	673.3
85°	168.3	322.7	413.8	499.9	523.9
87.5°	69.6	194.9	316.4	386.0	406.2
90°	1.3	107.6	213.9	268.3	281.0
92.5°	1.3	82.3	174.6	216.4	225.3
95°	1.3	67.1	146.8	178.4	183.5
97.5°	2.5	53.2	122.8	148.1	153.1
100°	3.8	44.3	102.5	124.0	127.8
102.5°	5.1	35.4	86.1	103.8	107.6
105°	5.1	29.1	72.1	87.3	91.1



TEST NUMBER: P830244

CATALOG NUMBER: OHBL-30SE-A-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	8.9	17.7	43.0	54.4	57.0
115°	10.1	15.2	36.7	46.8	49.4
117.5°	10.1	12.7	31.6	39.2	41.8
120°	10.1	11.4	27.8	34.2	35.4
122.5°	10.1	10.1	24.0	30.4	31.6
125°	8.9	10.1	22.8	26.6	27.8
127.5°	10.1	10.1	20.2	24.0	25.3
130°	10.1	11.4	17.7	22.8	22.8
132.5°	11.4	12.7	16.5	21.5	21.5
135°	11.4	12.7	13.9	20.2	21.5
137.5°	12.7	12.7	12.7	19.0	20.2
140°	12.7	12.7	11.4	16.5	17.7
142.5°	11.4	12.7	11.4	15.2	16.5
145°	11.4	12.7	12.7	13.9	15.2
147.5°	12.7	12.7	12.7	12.7	13.9
150°	12.7	12.7	12.7	12.7	12.7
152.5°	12.7	12.7	12.7	12.7	12.7
155°	12.7	13.9	13.9	13.9	12.7
157.5°	12.7	13.9	13.9	13.9	13.9
160°	12.7	13.9	13.9	13.9	13.9
162.5°	13.9	13.9	13.9	13.9	13.9
165°	13.9	13.9	13.9	13.9	13.9
167.5°	13.9	15.2	13.9	13.9	13.9
170°	13.9	13.9	13.9	12.7	12.7
172.5°	13.9	13.9	13.9	12.7	12.7
175°	13.9	13.9	12.7	11.4	11.4
177.5°	15.2	13.9	12.7	11.4	10.1
180°	12.7	12.7	12.7	12.7	12.7



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.3	24.0	62.0	74.7	77.2
110°	7.6	20.2	51.9	63.3	65.8



(END OF REPORT)