

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: P830237

Luminaire Tested: **OHBL-30SE-A-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830237
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-L740-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

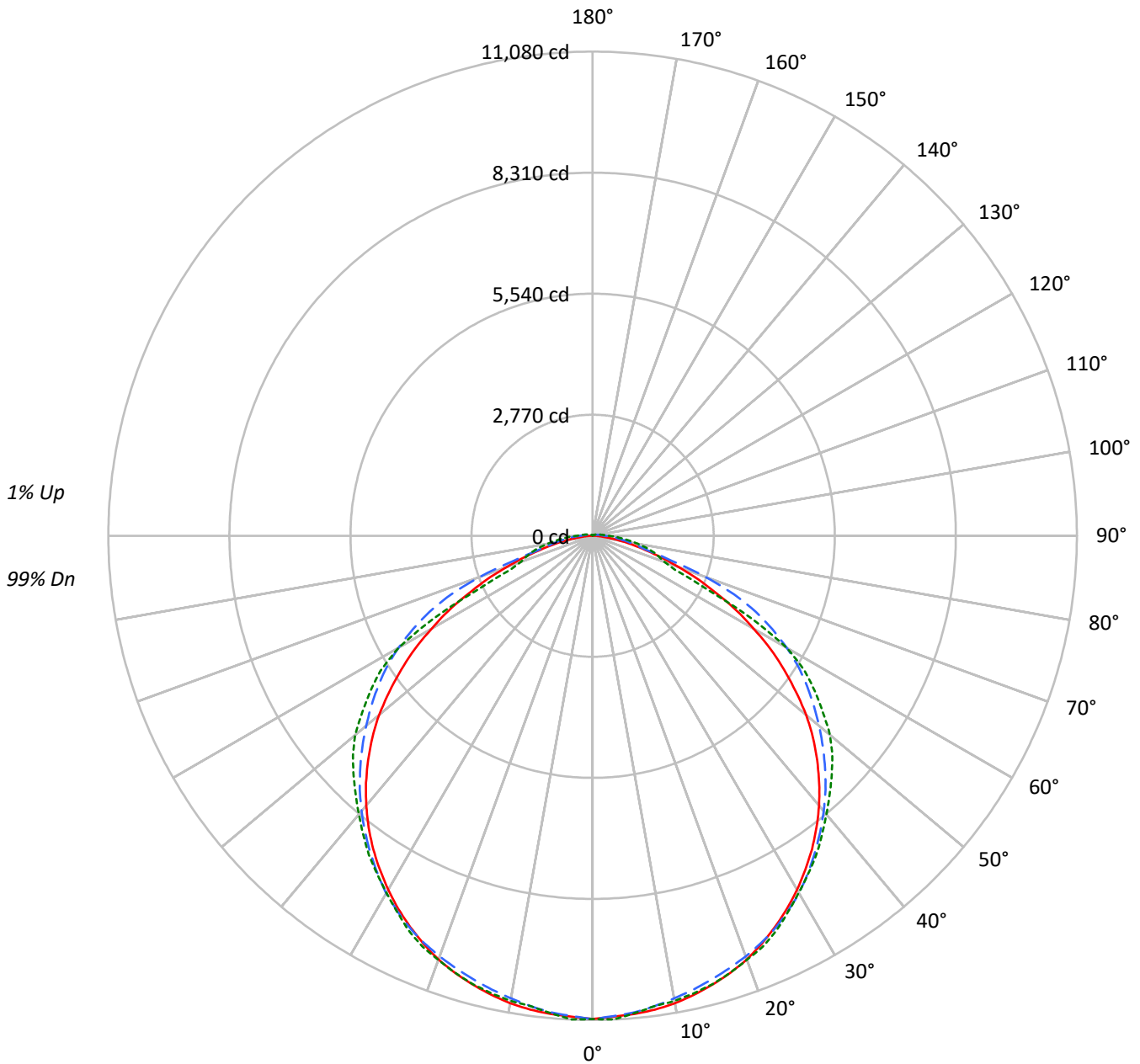
Lumens per Lamp: N/A
Luminaire Lumens: 31254.0 lumens
Efficiency: N/A
Efficacy: 179.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

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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	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°	18886	18886	18886
5°	18763	18604	18639
10°	18694	18314	18420
15°	18576	18095	18285
20°	18457	17954	18111
25°	18234	17811	17938
30°	17992	17591	17586
35°	17702	17248	17385
40°	17326	16893	17115
45°	16804	16483	16985
50°	16097	16017	16831
55°	14974	15557	16181
60°	13503	14888	14934
65°	11583	13660	9444
70°	9330	10642	6827
75°	6995	6299	6900
80°	4869	5213	6543
85°	2770	4733	6052



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1042.6	3.3
10°-20°	2989.8	9.6
20°-30°	4566.4	14.6
30°-40°	5540.5	17.7
40°-50°	5807.0	18.6
50°-60°	5262.0	16.8
60°-70°	3528.0	11.3
70°-80°	1584.2	5.1
80°-90°	574.9	1.8
90°-100°	173.0	0.6
100°-110°	81.6	0.3
110°-120°	40.9	0.1
120°-130°	22.6	0.1
130°-140°	15.5	0.0
140°-150°	10.4	0.0
150°-160°	7.8	0.0
160°-170°	5.0	0.0
170°-180°	1.6	0.0
0°-30°	8598.8	27.5
0°-40°	14139.3	45.2
0°-60°	25208.4	80.7
0°-90°	30895.5	98.9
90°-120°	295.6	0.9
90°-150°	344.2	1.1
90°-180°	359.0	1.1
0°-180°	31254.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11058	11058	11058	11058	11058	
5°	10986	11024	10947	10981	10967	###
15°	10629	10588	10512	10605	10618	3001
25°	9874	9831	9900	9991	9962	4552
35°	8752	8773	8862	8957	8922	5470
45°	7264	7382	7519	7711	7735	5595
55°	5345	5602	5984	6224	6210	4771
65°	3137	3628	4119	3476	2838	3126
75°	1234	1791	1318	1348	1436	1349
85°	213	408	523	632	662	259
90°	2	136	270	339	355	13
95°	2	85	186	225	232	2
105°	6	37	91	110	115	7
115°	13	19	46	59	62	12
125°	11	13	29	34	35	11
135°	14	16	18	26	27	11
145°	14	16	16	18	19	10
155°	16	18	18	18	16	7
165°	18	18	18	18	18	5
175°	18	18	16	14	14	2
180°	16	16	16	16	16	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11057.7	11057.7	11057.7	11057.7	<i>11057.7</i>
2.5°	<i>11012.9</i>	<i>11059.3</i>	<i>11001.7</i>	<i>11064.1</i>	<i>11080.1</i>
5°	10985.7	11024.1	10947.4	10980.9	<i>10966.6</i>
7.5°	10936.2	10949.0	10857.8	10885.0	<i>10856.2</i>
10°	10862.6	10856.2	10749.1	10801.9	<i>10808.3</i>
12.5°	10753.9	10734.7	10638.8	10718.7	<i>10720.3</i>
15°	10629.2	10587.6	10512.5	10605.2	<i>10618.0</i>
17.5°	10485.3	10430.9	10381.4	10501.3	<i>10482.1</i>
20°	10317.4	10253.5	10243.9	10375.0	<i>10327.0</i>
22.5°	10109.6	10060.0	10082.4	10207.1	<i>10176.7</i>
25°	9874.5	9831.4	9900.1	9991.3	<i>9962.5</i>
27.5°	9626.7	9601.1	9679.5	9749.8	<i>9693.9</i>
30°	9354.9	9340.5	9444.4	9502.0	<i>9431.7</i>
32.5°	9059.1	9063.9	9163.0	9241.4	<i>9175.8</i>
35°	8752.1	8772.9	8862.5	8956.8	<i>8921.6</i>
37.5°	8414.8	8461.1	8550.7	8657.8	<i>8621.0</i>
40°	8058.2	8125.4	8224.5	8354.0	<i>8320.4</i>
42.5°	7672.9	7757.7	7885.6	8029.5	<i>8026.3</i>
45°	7263.6	7381.9	7519.4	7711.3	<i>7735.3</i>
47.5°	6838.3	6971.0	7145.3	7401.1	<i>7437.9</i>
50°	6376.2	6542.5	6760.0	7066.9	<i>7089.3</i>
52.5°	5861.4	6088.4	6376.2	6670.4	<i>6643.2</i>
55°	5345.0	5602.4	5984.5	6224.3	<i>6210.0</i>
57.5°	4830.1	5119.5	5583.2	5754.3	<i>5752.7</i>
60°	4254.6	4620.7	5127.5	5257.0	<i>5129.1</i>
62.5°	3722.1	4115.5	4641.5	4547.1	<i>4109.1</i>
65°	3137.0	3627.8	4118.7	3475.9	<i>2838.0</i>
67.5°	2617.3	3129.0	3498.3	2380.7	<i>2038.5</i>
70°	2094.5	2658.9	2727.6	1766.7	<i>1742.8</i>
72.5°	1630.8	2232.0	1881.9	1512.5	<i>1589.3</i>
75°	1234.3	1790.7	1317.5	1347.8	<i>1435.8</i>
77.5°	900.2	1375.0	1024.9	1181.6	<i>1253.5</i>
80°	618.8	973.7	836.2	992.9	<i>1042.5</i>
82.5°	388.5	642.7	669.9	799.4	<i>850.6</i>
85°	212.6	407.7	522.8	631.5	<i>661.9</i>
87.5°	87.9	246.2	399.7	487.7	<i>513.2</i>
90°	1.6	135.9	270.2	339.0	<i>354.9</i>
92.5°	1.6	103.9	220.6	273.4	<i>284.6</i>
95°	1.6	84.7	185.5	225.4	<i>231.8</i>
97.5°	3.2	67.2	155.1	187.1	<i>193.5</i>
100°	4.8	56.0	129.5	156.7	<i>161.5</i>
102.5°	6.4	44.8	108.7	131.1	<i>135.9</i>
105°	6.4	36.8	91.1	110.3	<i>115.1</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.2	22.4	54.4	68.8	71.9
115°	12.8	19.2	46.4	59.2	62.4
117.5°	12.8	16.0	40.0	49.6	52.8
120°	12.8	14.4	35.2	43.2	44.8
122.5°	12.8	12.8	30.4	38.4	40.0
125°	11.2	12.8	28.8	33.6	35.2
127.5°	12.8	12.8	25.6	30.4	32.0
130°	12.8	14.4	22.4	28.8	28.8
132.5°	14.4	16.0	20.8	27.2	27.2
135°	14.4	16.0	17.6	25.6	27.2
137.5°	16.0	16.0	16.0	24.0	25.6
140°	16.0	16.0	14.4	20.8	22.4
142.5°	14.4	16.0	14.4	19.2	20.8
145°	14.4	16.0	16.0	17.6	19.2
147.5°	16.0	16.0	16.0	16.0	17.6
150°	16.0	16.0	16.0	16.0	16.0
152.5°	16.0	16.0	16.0	16.0	16.0
155°	16.0	17.6	17.6	17.6	16.0
157.5°	16.0	17.6	17.6	17.6	17.6
160°	16.0	17.6	17.6	17.6	17.6
162.5°	17.6	17.6	17.6	17.6	17.6
165°	17.6	17.6	17.6	17.6	17.6
167.5°	17.6	19.2	17.6	17.6	17.6
170°	17.6	17.6	17.6	16.0	16.0
172.5°	17.6	17.6	17.6	16.0	16.0
175°	17.6	17.6	16.0	14.4	14.4
177.5°	19.2	17.6	16.0	14.4	12.8
180°	16.0	16.0	16.0	16.0	16.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	8.0	30.4	78.3	94.3	97.5
110°	9.6	25.6	65.6	79.9	83.1



(END OF REPORT)