

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: P830243

Luminaire Tested: **OHBL-30SE-A-UNV-L930-CD**

Issue Date: 5/3/2024

**Test Information**

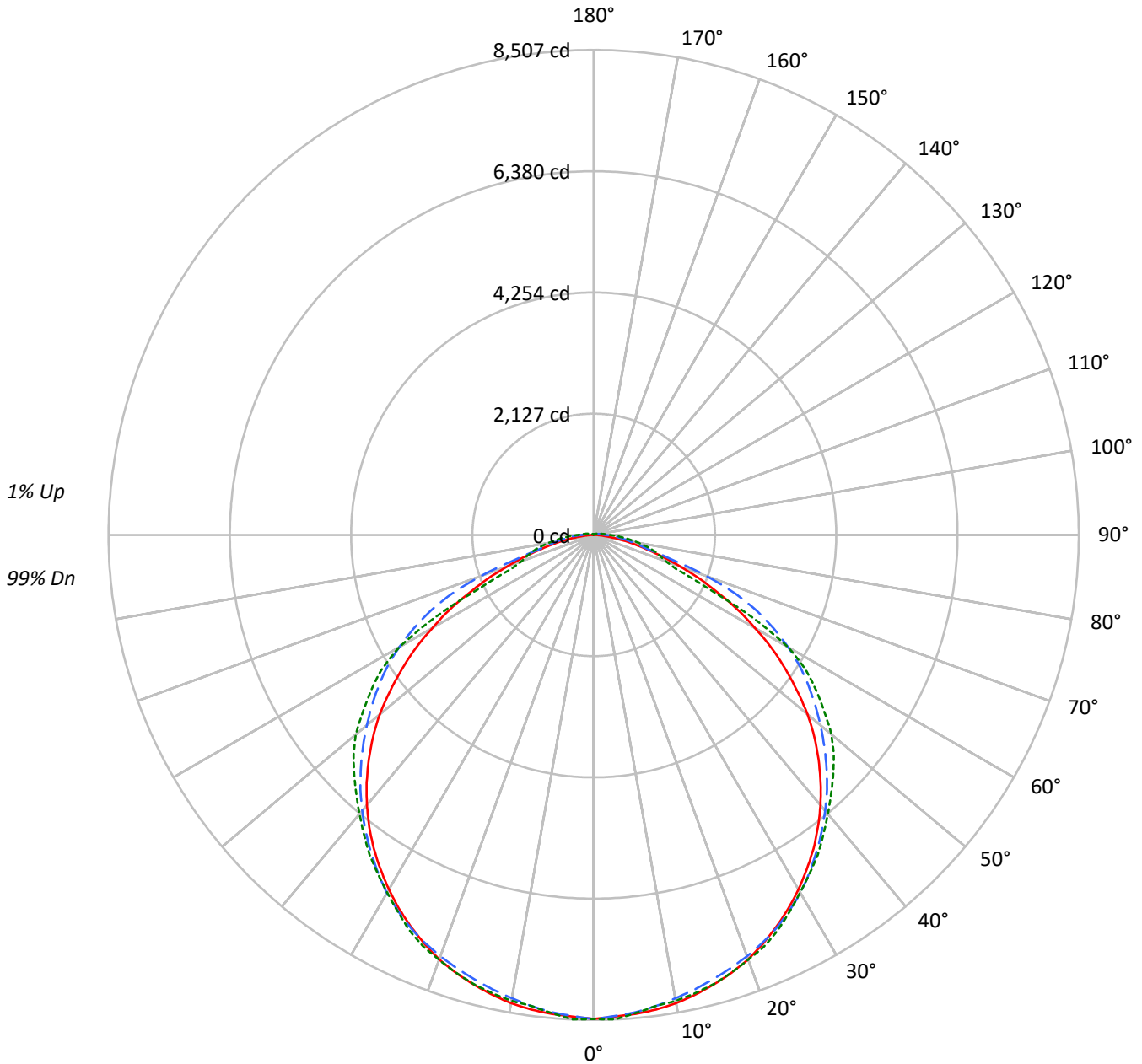
Test Method: LM-79-08  
Report Number: P830243  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30SE-A-UNV-L930-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23997.0 lumens  
Efficiency: N/A  
Efficacy: 137.9 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<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

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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°	14501	14501	14501
5°	14406	14284	14311
10°	14353	14061	14143
15°	14262	13893	14040
20°	14171	13785	13906
25°	14000	13675	13773
30°	13814	13507	13502
35°	13592	13243	13348
40°	13303	12971	13141
45°	12902	12656	13042
50°	12359	12298	12923
55°	11497	11944	12423
60°	10367	11431	11466
65°	8893	10488	7251
70°	7163	8171	5242
75°	5370	4836	5297
80°	3738	4002	5023
85°	2128	3634	4647



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	800.5	3.3
10°-20°	2295.6	9.6
20°-30°	3506.1	14.6
30°-40°	4254.1	17.7
40°-50°	4458.7	18.6
50°-60°	4040.2	16.8
60°-70°	2708.8	11.3
70°-80°	1216.4	5.1
80°-90°	441.4	1.8
90°-100°	132.9	0.6
100°-110°	62.7	0.3
110°-120°	31.4	0.1
120°-130°	17.3	0.1
130°-140°	11.9	0.0
140°-150°	8.0	0.0
150°-160°	6.0	0.0
160°-170°	3.8	0.0
170°-180°	1.2	0.0
0°-30°	6602.2	27.5
0°-40°	10856.3	45.2
0°-60°	19355.2	80.7
0°-90°	23721.7	98.9
90°-120°	227.0	0.9
90°-150°	264.2	1.1
90°-180°	275.0	1.1
0°-180°	23997.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8490	8490	8490	8490	8490	
5°	8435	8464	8406	8431	8420	802
15°	8161	8129	8072	8143	8153	2304
25°	7582	7549	7601	7671	7649	3495
35°	6720	6736	6805	6877	6850	4200
45°	5577	5668	5774	5921	5939	4296
55°	4104	4302	4595	4779	4768	3663
65°	2409	2785	3162	2669	2179	2400
75°	948	1375	1012	1035	1102	1036
85°	163	313	401	485	508	199
90°	1	104	208	260	272	10
95°	1	65	142	173	178	2
105°	5	28	70	85	88	6
115°	10	15	36	45	48	9
125°	9	10	22	26	27	9
135°	11	12	14	20	21	9
145°	11	12	12	14	15	7
155°	12	14	14	14	12	6
165°	14	14	14	14	14	4
175°	14	14	12	11	11	1
180°	12	12	12	12	12	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8490.2	8490.2	8490.2	8490.2	<i>8490.2</i>
2.5°	<i>8455.8</i>	<i>8491.4</i>	<i>8447.2</i>	<i>8495.1</i>	<i>8507.3</i>
5°	8434.9	8464.4	8405.5	8431.2	<i>8420.2</i>
7.5°	8396.9	8406.7	8336.7	8357.6	<i>8335.5</i>
10°	8340.4	8335.5	8253.2	8293.7	<i>8298.7</i>
12.5°	8256.9	8242.2	8168.5	8229.9	<i>8231.1</i>
15°	8161.2	8129.2	8071.5	8142.7	<i>8152.6</i>
17.5°	8050.7	8008.9	7970.9	8063.0	<i>8048.2</i>
20°	7921.8	7872.7	7865.3	7966.0	<i>7929.1</i>
22.5°	7762.2	7724.1	7741.3	7837.1	<i>7813.7</i>
25°	7581.7	7548.6	7601.4	7671.3	<i>7649.2</i>
27.5°	7391.4	7371.8	7432.0	7486.0	<i>7443.0</i>
30°	7182.8	7171.7	7251.5	7295.7	<i>7241.7</i>
32.5°	6955.6	6959.3	7035.4	7095.6	<i>7045.3</i>
35°	6719.9	6735.9	6804.6	6877.1	<i>6850.1</i>
37.5°	6460.9	6496.5	6565.3	6647.5	<i>6619.3</i>
40°	6187.2	6238.7	6314.8	6414.3	<i>6388.5</i>
42.5°	5891.3	5956.4	6054.6	6165.1	<i>6162.6</i>
45°	5577.0	5667.9	5773.5	5920.8	<i>5939.2</i>
47.5°	5250.5	5352.4	5486.2	5682.6	<i>5710.8</i>
50°	4895.7	5023.4	5190.3	5426.0	<i>5443.2</i>
52.5°	4500.4	4674.7	4895.7	5121.6	<i>5100.7</i>
55°	4103.9	4301.5	4594.9	4779.1	<i>4768.0</i>
57.5°	3708.6	3930.8	4286.8	4418.2	<i>4416.9</i>
60°	3266.7	3547.8	3936.9	4036.4	<i>3938.2</i>
62.5°	2857.9	3159.9	3563.8	3491.3	<i>3155.0</i>
65°	2408.6	2785.4	3162.3	2668.8	<i>2179.0</i>
67.5°	2009.6	2402.4	2686.0	1827.9	<i>1565.2</i>
70°	1608.2	2041.5	2094.3	1356.5	<i>1338.1</i>
72.5°	1252.2	1713.7	1444.9	1161.3	<i>1220.2</i>
75°	947.7	1374.9	1011.6	1034.9	<i>1102.4</i>
77.5°	691.1	1055.7	786.9	907.2	<i>962.4</i>
80°	475.1	747.6	642.0	762.3	<i>800.4</i>
82.5°	298.3	493.5	514.4	613.8	<i>653.1</i>
85°	163.3	313.0	401.4	484.9	<i>508.2</i>
87.5°	67.5	189.1	306.9	374.4	<i>394.1</i>
90°	1.2	104.3	207.5	260.3	<i>272.5</i>
92.5°	1.2	79.8	169.4	209.9	<i>218.5</i>
95°	1.2	65.1	142.4	173.1	<i>178.0</i>
97.5°	2.5	51.6	119.1	143.6	<i>148.5</i>
100°	3.7	43.0	99.4	120.3	<i>124.0</i>
102.5°	4.9	34.4	83.5	100.7	<i>104.3</i>
105°	4.9	28.2	70.0	84.7	<i>88.4</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	8.6	17.2	41.7	52.8	55.2
115°	9.8	14.7	35.6	45.4	47.9
117.5°	9.8	12.3	30.7	38.1	40.5
120°	9.8	11.0	27.0	33.1	34.4
122.5°	9.8	9.8	23.3	29.5	30.7
125°	8.6	9.8	22.1	25.8	27.0
127.5°	9.8	9.8	19.6	23.3	24.6
130°	9.8	11.0	17.2	22.1	22.1
132.5°	11.0	12.3	16.0	20.9	20.9
135°	11.0	12.3	13.5	19.6	20.9
137.5°	12.3	12.3	12.3	18.4	19.6
140°	12.3	12.3	11.0	16.0	17.2
142.5°	11.0	12.3	11.0	14.7	16.0
145°	11.0	12.3	12.3	13.5	14.7
147.5°	12.3	12.3	12.3	12.3	13.5
150°	12.3	12.3	12.3	12.3	12.3
152.5°	12.3	12.3	12.3	12.3	12.3
155°	12.3	13.5	13.5	13.5	12.3
157.5°	12.3	13.5	13.5	13.5	13.5
160°	12.3	13.5	13.5	13.5	13.5
162.5°	13.5	13.5	13.5	13.5	13.5
165°	13.5	13.5	13.5	13.5	13.5
167.5°	13.5	14.7	13.5	13.5	13.5
170°	13.5	13.5	13.5	12.3	12.3
172.5°	13.5	13.5	13.5	12.3	12.3
175°	13.5	13.5	12.3	11.0	11.0
177.5°	14.7	13.5	12.3	11.0	9.8
180°	12.3	12.3	12.3	12.3	12.3



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	6.1	23.3	60.2	72.4	74.9
110°	7.4	19.6	50.3	61.4	63.8



(END OF REPORT)