

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: P830091

Luminaire Tested: **OHBL-24SE-A-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830091
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-24SE-A-UNV-L730-CD
Description: 24000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

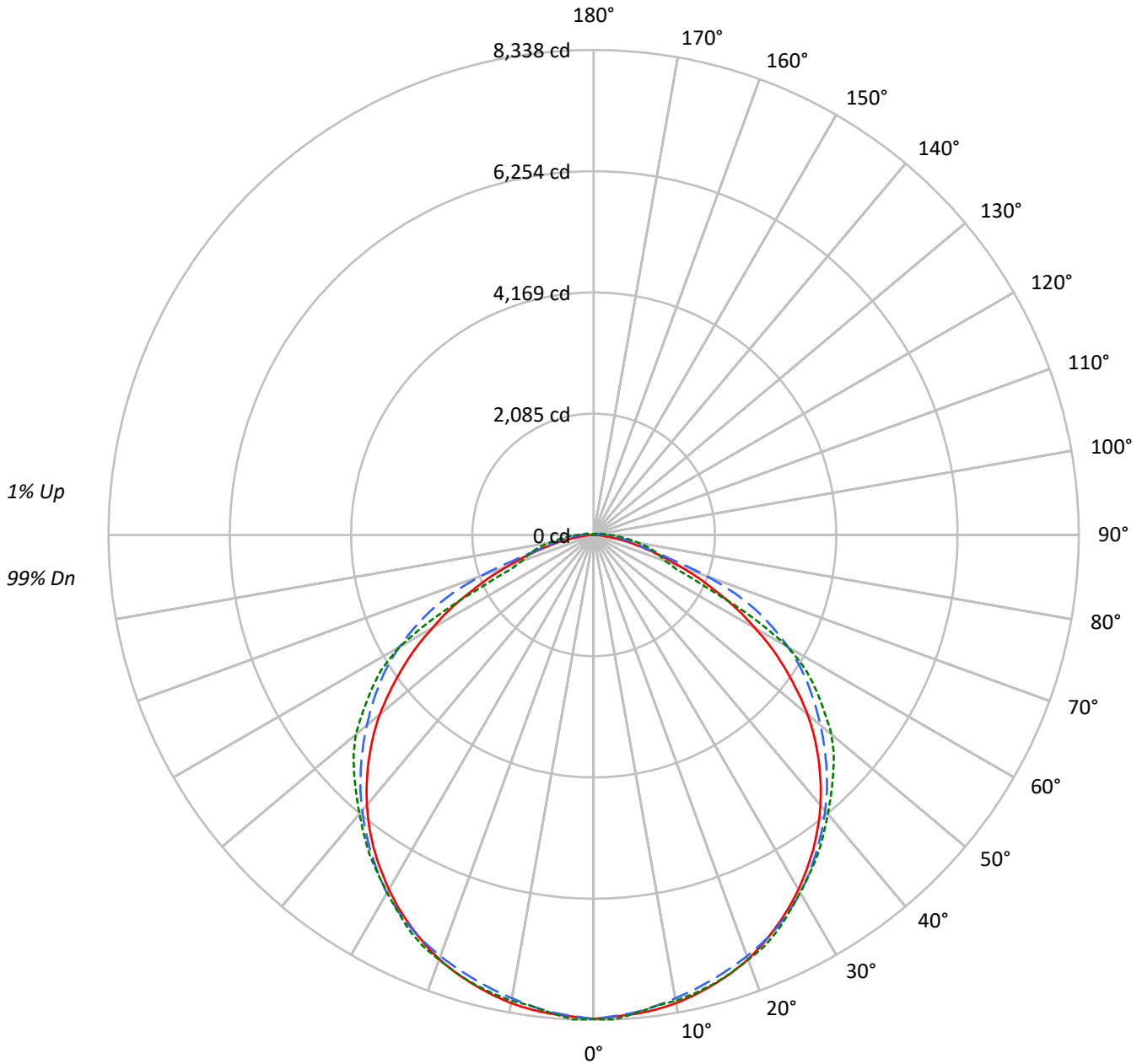
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23519.0 lumens
Efficiency: N/A
Efficacy: 170.4 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): 138
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°	14212	14212	14212
5°	14119	13999	14026
10°	14068	13781	13861
15°	13978	13616	13760
20°	13889	13510	13629
25°	13722	13403	13499
30°	13539	13238	13233
35°	13321	12979	13082
40°	13038	12712	12879
45°	12645	12404	12782
50°	12113	12053	12666
55°	11268	11707	12176
60°	10161	11203	11238
65°	8716	10279	7107
70°	7020	8008	5137
75°	5263	4740	5192
80°	3664	3923	4923
85°	2085	3561	4554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	784.6	3.3
10°-20°	2249.9	9.6
20°-30°	3436.2	14.6
30°-40°	4169.3	17.7
40°-50°	4369.9	18.6
50°-60°	3959.8	16.8
60°-70°	2654.9	11.3
70°-80°	1192.1	5.1
80°-90°	432.6	1.8
90°-100°	130.2	0.6
100°-110°	61.5	0.3
110°-120°	30.8	0.1
120°-130°	17.0	0.1
130°-140°	11.7	0.0
140°-150°	7.8	0.0
150°-160°	5.8	0.0
160°-170°	3.7	0.0
170°-180°	1.2	0.0
0°-30°	6470.7	27.5
0°-40°	10640.0	45.2
0°-60°	18969.6	80.7
0°-90°	23249.3	98.9
90°-120°	222.5	0.9
90°-150°	259.0	1.1
90°-180°	270.0	1.1
0°-180°	23519.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8321	8321	8321	8321	8321	
5°	8267	8296	8238	8263	8252	786
15°	7999	7967	7911	7980	7990	2258
25°	7431	7398	7450	7518	7497	3425
35°	6586	6602	6669	6740	6714	4116
45°	5466	5555	5658	5803	5821	4211
55°	4022	4216	4503	4684	4673	3590
65°	2361	2730	3099	2616	2136	2352
75°	929	1348	991	1014	1080	1015
85°	160	307	393	475	498	195
90°	1	102	203	255	267	10
95°	1	64	140	170	174	2
105°	5	28	69	83	87	6
115°	10	14	35	44	47	9
125°	8	10	22	25	26	8
135°	11	12	13	19	20	9
145°	11	12	12	13	14	7
155°	12	13	13	13	12	6
165°	13	13	13	13	13	4
175°	13	13	12	11	11	1
180°	12	12	12	12	12	



TEST NUMBER: P830091

CATALOG NUMBER: OHBL-24SE-A-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8321.0	8321.0	8321.0	8321.0	8321.0
2.5°	8287.4	8322.2	8278.9	8325.9	8337.9
5°	8266.9	8295.8	8238.0	8263.3	8252.5
7.5°	8229.6	8239.2	8170.6	8191.1	8169.4
10°	8174.3	8169.4	8088.8	8128.5	8133.3
12.5°	8092.4	8078.0	8005.8	8066.0	8067.2
15°	7998.6	7967.3	7910.8	7980.5	7990.2
17.5°	7890.3	7849.4	7812.1	7902.3	7887.9
20°	7764.0	7715.9	7708.6	7807.3	7771.2
22.5°	7607.6	7570.3	7587.1	7681.0	7658.1
25°	7430.7	7398.2	7450.0	7518.5	7496.9
27.5°	7244.2	7225.0	7283.9	7336.9	7294.7
30°	7039.7	7028.9	7107.1	7150.4	7097.4
32.5°	6817.1	6820.7	6895.3	6954.3	6904.9
35°	6586.1	6601.7	6669.1	6740.1	6713.6
37.5°	6332.2	6367.1	6434.5	6515.1	6487.4
40°	6063.9	6114.4	6189.0	6286.5	6261.2
42.5°	5774.0	5837.7	5934.0	6042.3	6039.9
45°	5465.9	5555.0	5658.5	5802.8	5820.9
47.5°	5145.9	5245.8	5376.9	5569.4	5597.1
50°	4798.2	4923.3	5087.0	5318.0	5334.8
52.5°	4410.8	4581.6	4798.2	5019.6	4999.1
55°	4022.2	4215.9	4503.4	4683.9	4673.1
57.5°	3634.7	3852.5	4201.4	4330.2	4329.0
60°	3201.6	3477.1	3858.5	3956.0	3859.7
62.5°	2801.0	3096.9	3492.8	3421.8	3092.1
65°	2360.6	2730.0	3099.3	2615.7	2135.6
67.5°	1969.6	2354.6	2632.5	1791.5	1534.0
70°	1576.1	2000.9	2052.6	1329.5	1311.4
72.5°	1227.2	1679.6	1416.1	1138.2	1195.9
75°	928.8	1347.5	991.4	1014.3	1080.4
77.5°	677.4	1034.7	771.2	889.1	943.3
80°	465.6	732.7	629.3	747.2	784.5
82.5°	292.4	483.7	504.1	601.6	640.1
85°	160.0	306.8	393.4	475.2	498.1
87.5°	66.2	185.3	300.8	367.0	386.2
90°	1.2	102.3	203.3	255.1	267.1
92.5°	1.2	78.2	166.0	205.7	214.2
95°	1.2	63.8	139.6	169.6	174.5
97.5°	2.4	50.5	116.7	140.8	145.6
100°	3.6	42.1	97.5	117.9	121.5
102.5°	4.8	33.7	81.8	98.7	102.3
105°	4.8	27.7	68.6	83.0	86.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	8.4	16.8	40.9	51.7	54.1
115°	9.6	14.4	34.9	44.5	46.9
117.5°	9.6	12.0	30.1	37.3	39.7
120°	9.6	10.8	26.5	32.5	33.7
122.5°	9.6	9.6	22.9	28.9	30.1
125°	8.4	9.6	21.7	25.3	26.5
127.5°	9.6	9.6	19.3	22.9	24.1
130°	9.6	10.8	16.8	21.7	21.7
132.5°	10.8	12.0	15.6	20.5	20.5
135°	10.8	12.0	13.2	19.3	20.5
137.5°	12.0	12.0	12.0	18.0	19.3
140°	12.0	12.0	10.8	15.6	16.8
142.5°	10.8	12.0	10.8	14.4	15.6
145°	10.8	12.0	12.0	13.2	14.4
147.5°	12.0	12.0	12.0	12.0	13.2
150°	12.0	12.0	12.0	12.0	12.0
152.5°	12.0	12.0	12.0	12.0	12.0
155°	12.0	13.2	13.2	13.2	12.0
157.5°	12.0	13.2	13.2	13.2	13.2
160°	12.0	13.2	13.2	13.2	13.2
162.5°	13.2	13.2	13.2	13.2	13.2
165°	13.2	13.2	13.2	13.2	13.2
167.5°	13.2	14.4	13.2	13.2	13.2
170°	13.2	13.2	13.2	12.0	12.0
172.5°	13.2	13.2	13.2	12.0	12.0
175°	13.2	13.2	12.0	10.8	10.8
177.5°	14.4	13.2	12.0	10.8	9.6
180°	12.0	12.0	12.0	12.0	12.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.0	22.9	59.0	71.0	73.4
110°	7.2	19.3	49.3	60.2	62.6



(END OF REPORT)