

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: P830248

Luminaire Tested: **OHBL-30SE-MCL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830248
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-MCL-UNV-L735-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

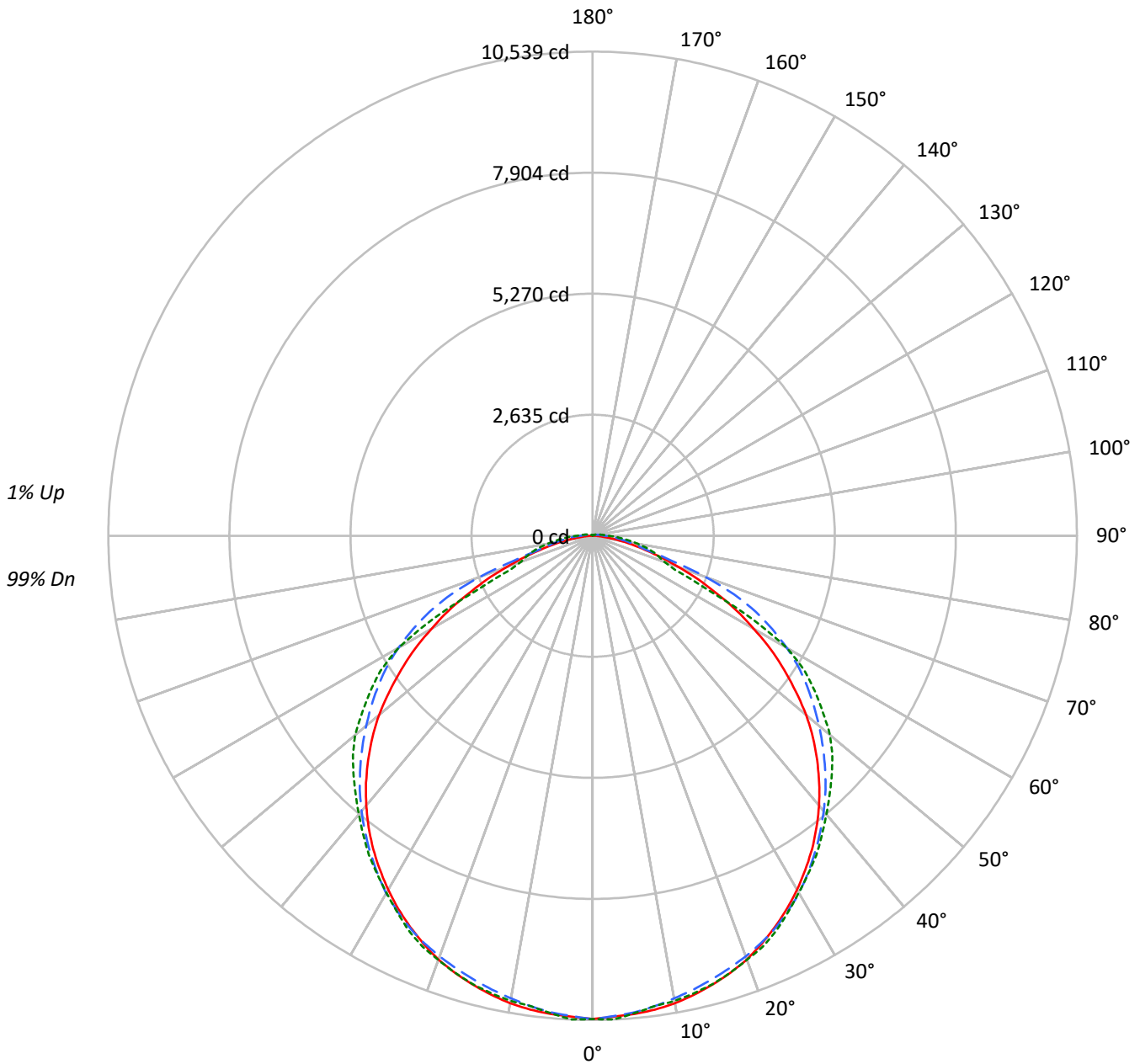
Lumens per Lamp: N/A
Luminaire Lumens: 29729.0 lumens
Efficiency: N/A
Efficacy: 170.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174
Input Voltage (V): NR
Input Current (A_{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°	17965	17965	17965
5°	17847	17696	17730
10°	17782	17420	17522
15°	17669	17212	17393
20°	17556	17077	17227
25°	17345	16942	17063
30°	17114	16733	16728
35°	16839	16407	16536
40°	16480	16069	16280
45°	15984	15679	16157
50°	15311	15236	16010
55°	14243	14798	15391
60°	12844	14161	14205
65°	11018	12994	8983
70°	8874	10123	6494
75°	6653	5992	6563
80°	4631	4958	6223
85°	2636	4502	5757



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	991.8	3.3
10°-20°	2843.9	9.6
20°-30°	4343.6	14.6
30°-40°	5270.2	17.7
40°-50°	5523.7	18.6
50°-60°	5005.3	16.8
60°-70°	3355.8	11.3
70°-80°	1506.9	5.1
80°-90°	546.8	1.8
90°-100°	164.6	0.6
100°-110°	77.7	0.3
110°-120°	38.9	0.1
120°-130°	21.5	0.1
130°-140°	14.8	0.0
140°-150°	9.9	0.0
150°-160°	7.4	0.0
160°-170°	4.7	0.0
170°-180°	1.5	0.0
0°-30°	8179.2	27.5
0°-40°	13449.4	45.2
0°-60°	23978.4	80.7
0°-90°	29388.0	98.9
90°-120°	281.2	0.9
90°-150°	327.4	1.1
90°-180°	341.0	1.1
0°-180°	29729.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10518	10518	10518	10518	10518	
5°	10450	10486	10413	10445	10432	994
15°	10111	10071	10000	10088	10100	2855
25°	9393	9352	9417	9504	9476	4330
35°	8325	8345	8430	8520	8486	5203
45°	6909	7022	7152	7335	7358	5322
55°	5084	5329	5692	5921	5907	4538
65°	2984	3451	3918	3306	2700	2973
75°	1174	1703	1253	1282	1366	1283
85°	202	388	497	601	630	247
90°	2	129	257	322	338	12
95°	2	81	176	214	220	2
105°	6	35	87	105	110	7
115°	12	18	44	56	59	11
125°	11	12	27	32	34	11
135°	14	15	17	24	26	11
145°	14	15	15	17	18	9
155°	15	17	17	17	15	7
165°	17	17	17	17	17	5
175°	17	17	15	14	14	2
180°	15	15	15	15	15	



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CATALOG NUMBER: OHBL-30SE-MCL-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10518.1	10518.1	10518.1	10518.1	10518.1
2.5°	10475.6	10519.7	10464.9	10524.2	10539.4
5°	10449.7	10486.2	10413.2	10445.1	10431.5
7.5°	10402.6	10414.7	10328.0	10353.9	10326.5
10°	10332.6	10326.5	10224.6	10274.8	10280.9
12.5°	10229.2	10210.9	10119.7	10195.7	10197.2
15°	10110.6	10071.0	9999.5	10087.7	10099.9
17.5°	9973.7	9922.0	9874.8	9988.9	9970.6
20°	9814.0	9753.2	9744.0	9868.7	9823.1
22.5°	9616.3	9569.1	9590.4	9709.1	9680.2
25°	9392.7	9351.7	9417.1	9503.7	9476.4
27.5°	9157.0	9132.7	9207.2	9274.1	9220.9
30°	8898.4	8884.8	8983.6	9038.4	8971.4
32.5°	8617.1	8621.7	8715.9	8790.5	8728.1
35°	8325.1	8344.9	8430.0	8519.8	8486.3
37.5°	8004.2	8048.3	8133.5	8235.4	8200.4
40°	7665.0	7728.9	7823.2	7946.4	7914.5
42.5°	7298.5	7379.1	7500.8	7637.7	7634.6
45°	6909.2	7021.7	7152.5	7335.0	7357.8
47.5°	6504.6	6630.9	6796.6	7040.0	7075.0
50°	6065.1	6223.3	6430.1	6722.1	6743.4
52.5°	5575.4	5791.4	6065.1	6345.0	6319.1
55°	5084.2	5329.0	5692.5	5920.6	5907.0
57.5°	4594.5	4869.7	5310.8	5473.5	5472.0
60°	4047.0	4395.2	4877.3	5000.5	4878.9
62.5°	3540.5	3914.6	4415.0	4325.3	3908.6
65°	2983.9	3450.8	3917.7	3306.3	2699.5
67.5°	2489.6	2976.3	3327.6	2264.5	1939.1
70°	1992.3	2529.2	2594.6	1680.5	1657.7
72.5°	1551.3	2123.1	1790.0	1438.7	1511.7
75°	1174.1	1703.3	1253.2	1282.1	1365.7
77.5°	856.2	1307.9	974.9	1123.9	1192.3
80°	588.6	926.2	795.4	944.4	991.6
82.5°	369.6	611.4	637.2	760.4	809.1
85°	202.3	387.8	497.3	600.7	629.6
87.5°	83.6	234.2	380.2	463.9	488.2
90°	1.5	129.3	257.0	322.4	337.6
92.5°	1.5	98.9	209.9	260.1	270.7
95°	1.5	80.6	176.4	214.4	220.5
97.5°	3.0	63.9	147.5	177.9	184.0
100°	4.6	53.2	123.2	149.0	153.6
102.5°	6.1	42.6	103.4	124.7	129.3
105°	6.1	35.0	86.7	104.9	109.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.6	21.3	51.7	65.4	68.4
115°	12.2	18.3	44.1	56.3	59.3
117.5°	12.2	15.2	38.0	47.1	50.2
120°	12.2	13.7	33.5	41.1	42.6
122.5°	12.2	12.2	28.9	36.5	38.0
125°	10.6	12.2	27.4	31.9	33.5
127.5°	12.2	12.2	24.3	28.9	30.4
130°	12.2	13.7	21.3	27.4	27.4
132.5°	13.7	15.2	19.8	25.9	25.9
135°	13.7	15.2	16.7	24.3	25.9
137.5°	15.2	15.2	15.2	22.8	24.3
140°	15.2	15.2	13.7	19.8	21.3
142.5°	13.7	15.2	13.7	18.3	19.8
145°	13.7	15.2	15.2	16.7	18.3
147.5°	15.2	15.2	15.2	15.2	16.7
150°	15.2	15.2	15.2	15.2	15.2
152.5°	15.2	15.2	15.2	15.2	15.2
155°	15.2	16.7	16.7	16.7	15.2
157.5°	15.2	16.7	16.7	16.7	16.7
160°	15.2	16.7	16.7	16.7	16.7
162.5°	16.7	16.7	16.7	16.7	16.7
165°	16.7	16.7	16.7	16.7	16.7
167.5°	16.7	18.3	16.7	16.7	16.7
170°	16.7	16.7	16.7	15.2	15.2
172.5°	16.7	16.7	16.7	15.2	15.2
175°	16.7	16.7	15.2	13.7	13.7
177.5°	18.3	16.7	15.2	13.7	12.2
180°	15.2	15.2	15.2	15.2	15.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.6	28.9	74.5	89.7	92.8
110°	9.1	24.3	62.4	76.0	79.1



(END OF REPORT)