

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: P830252

Luminaire Tested: **OHBL-30SE-MCL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830252
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-L835-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

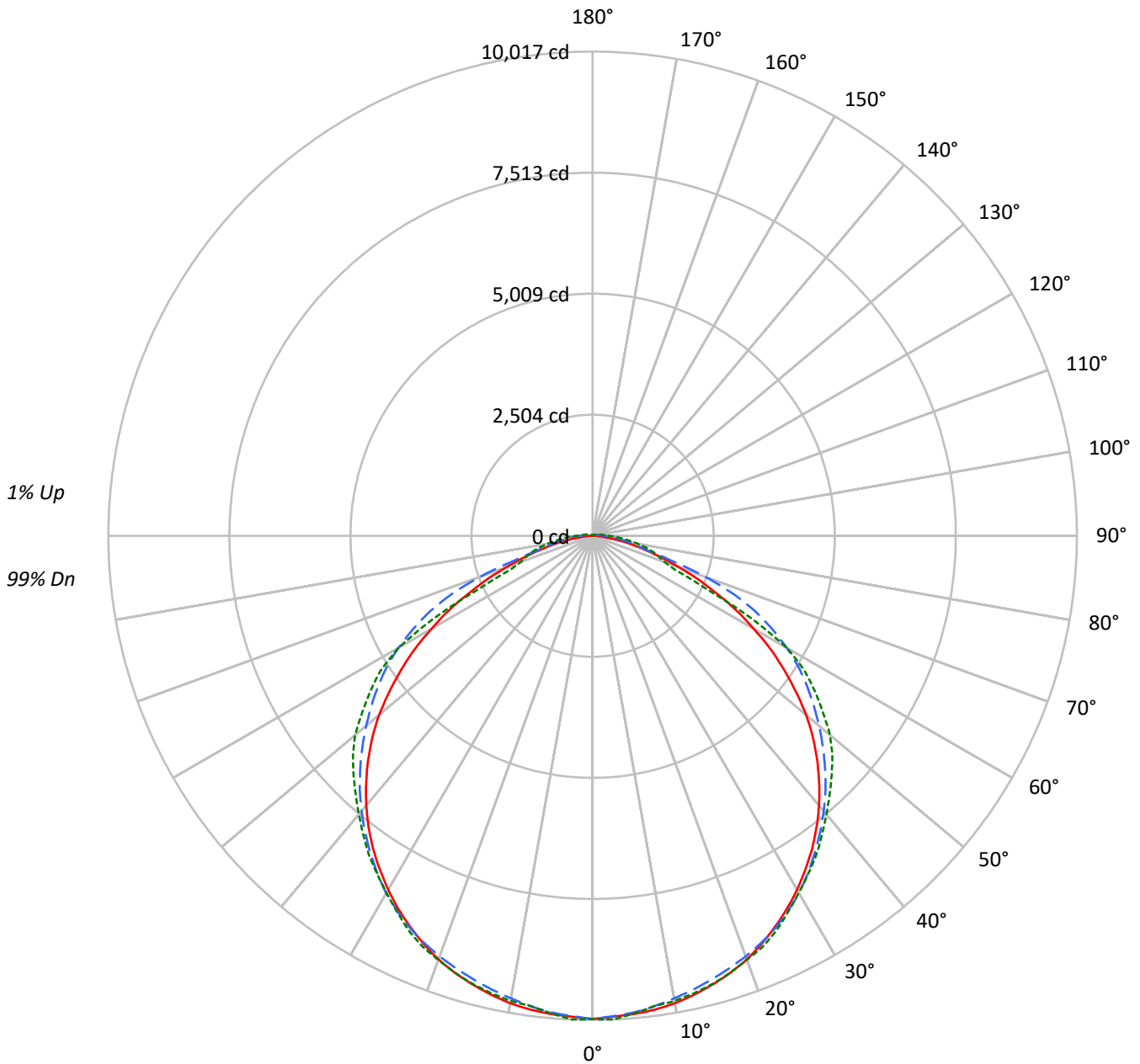
Lumens per Lamp: N/A
Luminaire Lumens: 28255.1 lumens
Efficiency: N/A
Efficacy: 162.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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°	17074	17074	17074
5°	16962	16818	16851
10°	16900	16556	16653
15°	16793	16358	16531
20°	16686	16231	16373
25°	16485	16102	16217
30°	16266	15904	15898
35°	16004	15593	15716
40°	15663	15272	15473
45°	15192	14902	15355
50°	14552	14480	15216
55°	13537	14064	14628
60°	12207	13459	13501
65°	10471	12349	8538
70°	8434	9621	6172
75°	6324	5694	6237
80°	4402	4713	5914
85°	2505	4279	5472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	942.6	3.3
10°-20°	2702.9	9.6
20°-30°	4128.2	14.6
30°-40°	5008.9	17.7
40°-50°	5249.8	18.6
50°-60°	4757.1	16.8
60°-70°	3189.5	11.3
70°-80°	1432.2	5.1
80°-90°	519.7	1.8
90°-100°	156.4	0.6
100°-110°	73.8	0.3
110°-120°	37.0	0.1
120°-130°	20.4	0.1
130°-140°	14.0	0.0
140°-150°	9.4	0.0
150°-160°	7.0	0.0
160°-170°	4.5	0.0
170°-180°	1.4	0.0
0°-30°	7773.7	27.5
0°-40°	12782.6	45.2
0°-60°	22789.5	80.7
0°-90°	27930.9	98.9
90°-120°	267.3	0.9
90°-150°	311.2	1.1
90°-180°	324.0	1.1
0°-180°	28255.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9997	9997	9997	9997	9997	
5°	9932	9966	9897	9927	9914	945
15°	9609	9572	9504	9588	9599	2713
25°	8927	8888	8950	9032	9006	4115
35°	7912	7931	8012	8097	8066	4945
45°	6567	6674	6798	6971	6993	5059
55°	4832	5065	5410	5627	5614	4313
65°	2836	3280	3723	3142	2566	2826
75°	1116	1619	1191	1218	1298	1219
85°	192	369	473	571	598	235
90°	1	123	244	306	321	11
95°	1	77	168	204	210	2
105°	6	33	82	100	104	7
115°	12	17	42	54	56	11
125°	10	12	26	30	32	10
135°	13	14	16	23	25	10
145°	13	14	14	16	17	9
155°	14	16	16	16	14	7
165°	16	16	16	16	16	4
175°	16	16	14	13	13	2
180°	14	14	14	14	14	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9996.6	9996.6	9996.6	9996.6	9996.6
2.5°	9956.2	9998.1	9946.1	10002.4	10016.9
5°	9931.6	9966.3	9896.9	9927.3	9914.3
7.5°	9886.8	9898.4	9816.0	9840.5	9814.5
10°	9820.3	9814.5	9717.7	9765.4	9771.2
12.5°	9722.0	9704.7	9617.9	9690.2	9691.7
15°	9609.3	9571.7	9503.7	9587.6	9599.1
17.5°	9479.2	9430.0	9385.2	9493.6	9476.3
20°	9327.4	9269.6	9260.9	9379.4	9336.1
22.5°	9139.5	9094.7	9114.9	9227.7	9200.2
25°	8927.0	8888.0	8950.1	9032.5	9006.5
27.5°	8703.0	8679.8	8750.7	8814.3	8763.7
30°	8457.3	8444.2	8538.2	8590.2	8526.6
32.5°	8189.8	8194.2	8283.8	8354.6	8295.4
35°	7912.3	7931.1	8012.1	8097.3	8065.5
37.5°	7607.3	7649.3	7730.2	7827.0	7793.8
40°	7285.0	7345.7	7435.3	7552.4	7522.1
42.5°	6936.7	7013.3	7128.9	7259.0	7256.1
45°	6566.6	6673.6	6797.9	6971.3	6993.0
47.5°	6182.1	6302.1	6459.7	6690.9	6724.2
50°	5764.4	5914.7	6111.3	6388.8	6409.1
52.5°	5299.0	5504.2	5764.4	6030.4	6005.8
55°	4832.1	5064.8	5410.3	5627.1	5614.1
57.5°	4366.7	4628.3	5047.5	5202.1	5200.7
60°	3846.3	4177.3	4635.5	4752.6	4637.0
62.5°	3365.0	3720.6	4196.1	4110.8	3714.8
65°	2835.9	3279.7	3723.4	3142.4	2565.7
67.5°	2366.2	2828.7	3162.6	2152.3	1842.9
70°	1893.5	2403.8	2465.9	1597.2	1575.5
72.5°	1474.3	2017.8	1701.3	1367.4	1436.8
75°	1115.9	1618.9	1191.0	1218.5	1298.0
77.5°	813.8	1243.1	926.5	1068.2	1133.2
80°	559.4	880.3	756.0	897.6	942.4
82.5°	351.2	581.1	605.6	722.7	769.0
85°	192.2	368.6	472.7	570.9	598.4
87.5°	79.5	222.6	361.4	440.9	464.0
90°	1.4	122.9	244.3	306.4	320.9
92.5°	1.4	94.0	199.5	247.2	257.3
95°	1.4	76.6	167.7	203.8	209.6
97.5°	2.9	60.7	140.2	169.1	174.9
100°	4.3	50.6	117.1	141.7	146.0
102.5°	5.8	40.5	98.3	118.5	122.9
105°	5.8	33.2	82.4	99.7	104.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.1	20.2	49.1	62.2	65.0
115°	11.6	17.3	41.9	53.5	56.4
117.5°	11.6	14.5	36.1	44.8	47.7
120°	11.6	13.0	31.8	39.0	40.5
122.5°	11.6	11.6	27.5	34.7	36.1
125°	10.1	11.6	26.0	30.4	31.8
127.5°	11.6	11.6	23.1	27.5	28.9
130°	11.6	13.0	20.2	26.0	26.0
132.5°	13.0	14.5	18.8	24.6	24.6
135°	13.0	14.5	15.9	23.1	24.6
137.5°	14.5	14.5	14.5	21.7	23.1
140°	14.5	14.5	13.0	18.8	20.2
142.5°	13.0	14.5	13.0	17.3	18.8
145°	13.0	14.5	14.5	15.9	17.3
147.5°	14.5	14.5	14.5	14.5	15.9
150°	14.5	14.5	14.5	14.5	14.5
152.5°	14.5	14.5	14.5	14.5	14.5
155°	14.5	15.9	15.9	15.9	14.5
157.5°	14.5	15.9	15.9	15.9	15.9
160°	14.5	15.9	15.9	15.9	15.9
162.5°	15.9	15.9	15.9	15.9	15.9
165°	15.9	15.9	15.9	15.9	15.9
167.5°	15.9	17.3	15.9	15.9	15.9
170°	15.9	15.9	15.9	14.5	14.5
172.5°	15.9	15.9	15.9	14.5	14.5
175°	15.9	15.9	14.5	13.0	13.0
177.5°	17.3	15.9	14.5	13.0	11.6
180°	14.5	14.5	14.5	14.5	14.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.2	27.5	70.8	85.3	88.2
110°	8.7	23.1	59.3	72.3	75.2



(END OF REPORT)