

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: P830249

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830249
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-L740-CD
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

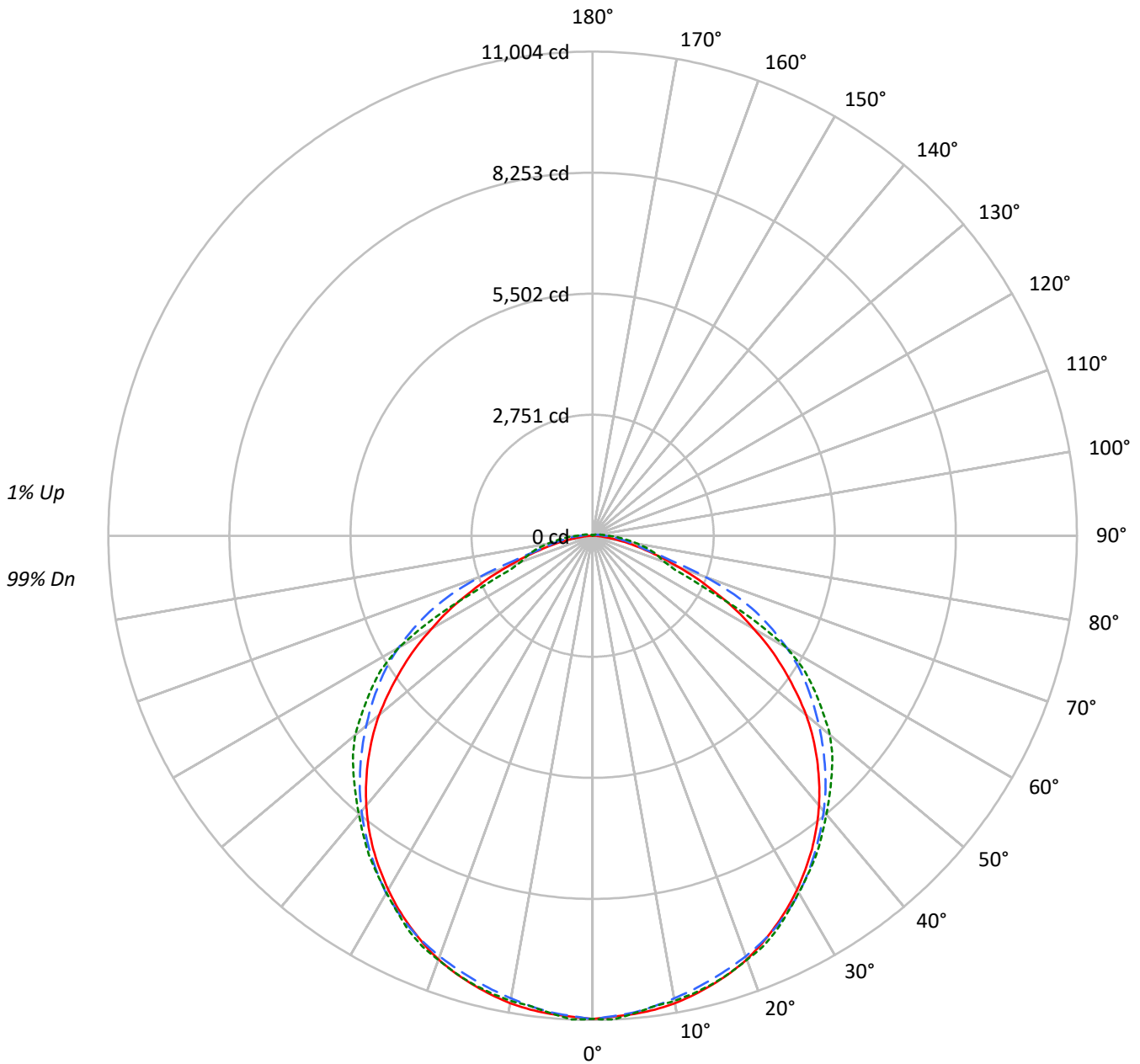
Lumens per Lamp: N/A
Luminaire Lumens: 31039.0 lumens
Efficiency: N/A
Efficacy: 178.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	18756	18756	18756
5°	18634	18476	18511
10°	18566	18188	18294
15°	18448	17970	18159
20°	18330	17830	17987
25°	18109	17688	17815
30°	17868	17471	17465
35°	17581	17130	17265
40°	17207	16777	16997
45°	16688	16370	16869
50°	15986	15907	16716
55°	14870	15450	16069
60°	13410	14786	14831
65°	11503	13566	9379
70°	9265	10569	6780
75°	6946	6255	6852
80°	4835	5176	6497
85°	2752	4700	6011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1035.5	3.3
10°-20°	2969.2	9.6
20°-30°	4534.9	14.6
30°-40°	5502.4	17.7
40°-50°	5767.1	18.6
50°-60°	5225.8	16.8
60°-70°	3503.7	11.3
70°-80°	1573.3	5.1
80°-90°	570.9	1.8
90°-100°	171.9	0.6
100°-110°	81.1	0.3
110°-120°	40.6	0.1
120°-130°	22.4	0.1
130°-140°	15.4	0.0
140°-150°	10.4	0.0
150°-160°	7.7	0.0
160°-170°	5.0	0.0
170°-180°	1.6	0.0
0°-30°	8539.6	27.5
0°-40°	14042.1	45.2
0°-60°	25035.0	80.7
0°-90°	30683.0	98.9
90°-120°	293.6	0.9
90°-150°	341.8	1.1
90°-180°	356.0	1.1
0°-180°	31039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10982	10982	10982	10982	10982	
5°	10910	10948	10872	10905	10891	###
15°	10556	10515	10440	10532	10545	2980
25°	9807	9764	9832	9922	9894	4520
35°	8692	8713	8802	8895	8860	5433
45°	7214	7331	7468	7658	7682	5557
55°	5308	5564	5943	6182	6167	4738
65°	3115	3603	4090	3452	2818	3104
75°	1226	1778	1308	1339	1426	1340
85°	211	405	519	627	657	258
90°	2	135	268	337	352	13
95°	2	84	184	224	230	2
105°	6	36	90	110	114	7
115°	13	19	46	59	62	12
125°	11	13	29	33	35	11
135°	14	16	18	25	27	11
145°	14	16	16	18	19	9
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°	10981.6	10981.6	10981.6	10981.6	10981.6
2.5°	10937.2	10983.2	10926.0	10988.0	11003.9
5°	10910.2	10948.3	10872.1	10905.4	10891.1
7.5°	10860.9	10873.7	10783.1	10810.1	10781.6
10°	10787.9	10781.6	10675.2	10727.6	10733.9
12.5°	10679.9	10660.9	10565.6	10645.0	10646.6
15°	10556.1	10514.8	10440.2	10532.3	10545.0
17.5°	10413.2	10359.2	10310.0	10429.0	10410.0
20°	10246.4	10182.9	10173.4	10303.6	10256.0
22.5°	10040.0	9990.8	10013.0	10136.9	10106.7
25°	9806.6	9763.7	9832.0	9922.5	9893.9
27.5°	9560.5	9535.1	9612.9	9682.8	9627.2
30°	9290.6	9276.3	9379.5	9436.6	9366.8
32.5°	8996.8	9001.6	9100.0	9177.8	9112.7
35°	8691.9	8712.6	8801.5	8895.2	8860.2
37.5°	8356.9	8402.9	8491.9	8598.2	8561.7
40°	8002.8	8069.5	8167.9	8296.6	8263.2
42.5°	7620.1	7704.3	7831.3	7974.2	7971.0
45°	7213.6	7331.1	7467.7	7658.2	7682.1
47.5°	6791.3	6923.1	7096.1	7350.2	7386.7
50°	6332.4	6497.5	6713.5	7018.3	7040.6
52.5°	5821.1	6046.6	6332.4	6624.5	6597.5
55°	5308.2	5563.9	5943.4	6181.5	6167.2
57.5°	4796.9	5084.3	5544.8	5714.7	5713.1
60°	4225.3	4588.9	5092.3	5220.9	5093.8
62.5°	3696.5	4087.1	4609.6	4515.9	4080.8
65°	3115.4	3602.8	4090.3	3452.0	2818.4
67.5°	2599.3	3107.4	3474.2	2364.3	2024.5
70°	2080.1	2640.6	2708.9	1754.6	1730.8
72.5°	1619.6	2216.6	1868.9	1502.1	1578.3
75°	1225.8	1778.4	1308.4	1338.6	1425.9
77.5°	894.0	1365.6	1017.8	1173.4	1244.9
80°	614.5	967.0	830.4	986.1	1035.3
82.5°	385.8	638.3	665.3	793.9	844.7
85°	211.2	404.9	519.2	627.2	657.4
87.5°	87.3	244.5	397.0	484.3	509.7
90°	1.6	135.0	268.3	336.6	352.5
92.5°	1.6	103.2	219.1	271.5	282.6
95°	1.6	84.2	184.2	223.9	230.2
97.5°	3.2	66.7	154.0	185.8	192.1
100°	4.8	55.6	128.6	155.6	160.4
102.5°	6.4	44.5	108.0	130.2	135.0
105°	6.4	36.5	90.5	109.6	114.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.1	22.2	54.0	68.3	71.5
115°	12.7	19.1	46.0	58.8	61.9
117.5°	12.7	15.9	39.7	49.2	52.4
120°	12.7	14.3	34.9	42.9	44.5
122.5°	12.7	12.7	30.2	38.1	39.7
125°	11.1	12.7	28.6	33.3	34.9
127.5°	12.7	12.7	25.4	30.2	31.8
130°	12.7	14.3	22.2	28.6	28.6
132.5°	14.3	15.9	20.6	27.0	27.0
135°	14.3	15.9	17.5	25.4	27.0
137.5°	15.9	15.9	15.9	23.8	25.4
140°	15.9	15.9	14.3	20.6	22.2
142.5°	14.3	15.9	14.3	19.1	20.6
145°	14.3	15.9	15.9	17.5	19.1
147.5°	15.9	15.9	15.9	15.9	17.5
150°	15.9	15.9	15.9	15.9	15.9
152.5°	15.9	15.9	15.9	15.9	15.9
155°	15.9	17.5	17.5	17.5	15.9
157.5°	15.9	17.5	17.5	17.5	17.5
160°	15.9	17.5	17.5	17.5	17.5
162.5°	17.5	17.5	17.5	17.5	17.5
165°	17.5	17.5	17.5	17.5	17.5
167.5°	17.5	19.1	17.5	17.5	17.5
170°	17.5	17.5	17.5	15.9	15.9
172.5°	17.5	17.5	17.5	15.9	15.9
175°	17.5	17.5	15.9	14.3	14.3
177.5°	19.1	17.5	15.9	14.3	12.7
180°	15.9	15.9	15.9	15.9	15.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	7.9	30.2	77.8	93.7	96.9
110°	9.5	25.4	65.1	79.4	82.6



(END OF REPORT)