

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: P830759

Luminaire Tested: **OHBL-72SE-MCL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830759
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-72SE-MCL-UNV-L930-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

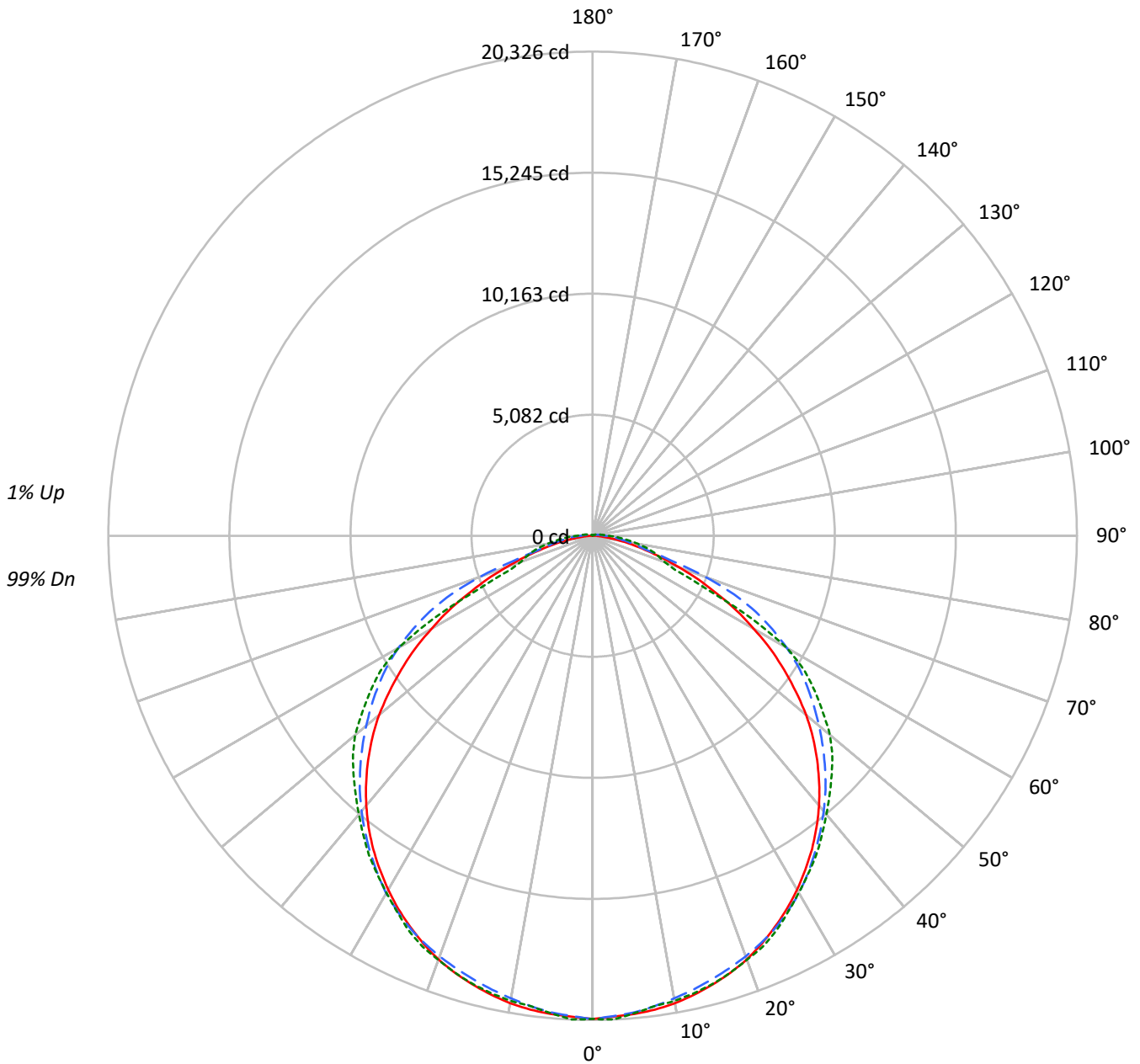
Lumens per Lamp: N/A
Luminaire Lumens: 57334.0 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 413.7
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°	32080	32080	32080
5°	31870	31614	31680
10°	31753	31135	31329
15°	31552	30777	31119
20°	31350	30551	30843
25°	30972	30324	30570
30°	30561	29966	29992
35°	30069	29398	29673
40°	29429	28811	29239
45°	28543	28132	29047
50°	27342	27359	28816
55°	25433	26598	27741
60°	22935	25485	25647
65°	19674	23419	16254
70°	15847	18282	11784
75°	11881	10853	11960
80°	8270	9024	11419
85°	4707	8268	10704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1912.7	3.3
10°-20°	5484.6	9.6
20°-30°	8376.8	14.6
30°-40°	10163.9	17.7
40°-50°	10652.7	18.6
50°-60°	9653.0	16.8
60°-70°	6471.9	11.3
70°-80°	2906.2	5.1
80°-90°	1054.6	1.8
90°-100°	317.4	0.6
100°-110°	149.8	0.3
110°-120°	75.1	0.1
120°-130°	41.4	0.1
130°-140°	28.5	0.0
140°-150°	19.1	0.0
150°-160°	14.2	0.0
160°-170°	9.2	0.0
170°-180°	2.9	0.0
0°-30°	15774.1	27.5
0°-40°	25938.0	45.2
0°-60°	46243.6	80.7
0°-90°	56676.4	98.9
90°-120°	542.3	0.9
90°-150°	631.3	1.1
90°-180°	658.0	1.1
0°-180°	57334.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20285	20285	20285	20285	20285	
5°	20153	20223	20082	20144	20118	###
15°	19499	19422	19285	19455	19478	5505
25°	18114	18035	18161	18328	18276	8350
35°	16055	16094	16258	16431	16366	10035
45°	13325	13542	13794	14146	14190	10265
55°	9805	10277	10978	11418	11392	8752
65°	5755	6655	7556	6376	5206	5734
75°	2264	3285	2417	2472	2634	2475
85°	390	748	959	1158	1214	476
90°	3	249	496	622	651	23
95°	3	156	340	414	425	4
105°	12	68	167	202	211	14
115°	24	35	85	108	114	22
125°	20	24	53	62	64	20
135°	26	29	32	47	50	21
145°	26	29	29	32	35	17
155°	29	32	32	32	29	14
165°	32	32	32	32	32	9
175°	32	32	29	26	26	3
180°	29	29	29	29	29	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20284.8	20284.8	20284.8	20284.8	20284.8
2.5°	20202.7	20287.8	20182.2	20296.5	20325.9
5°	20152.8	20223.2	20082.4	20144.0	20117.6
7.5°	20061.9	20085.4	19918.2	19968.1	19915.3
10°	19927.0	19915.3	19718.7	19815.5	19827.3
12.5°	19727.5	19692.3	19516.4	19663.0	19665.9
15°	19498.8	19422.5	19284.7	19454.8	19478.2
17.5°	19234.8	19135.1	19044.1	19264.1	19228.9
20°	18926.8	18809.5	18791.9	19032.4	18944.4
22.5°	18545.5	18454.6	18495.7	18724.4	18668.7
25°	18114.4	18035.2	18161.3	18328.5	18275.7
27.5°	17659.8	17612.8	17756.5	17885.6	17782.9
30°	17161.1	17134.7	17325.4	17431.0	17301.9
32.5°	16618.5	16627.3	16809.2	16952.9	16832.6
35°	16055.4	16093.5	16257.8	16430.8	16366.3
37.5°	15436.5	15521.6	15685.8	15882.3	15814.9
40°	14782.5	14905.6	15087.5	15325.1	15263.5
42.5°	14075.6	14231.0	14465.7	14729.7	14723.8
45°	13324.7	13541.8	13794.0	14146.0	14190.0
47.5°	12544.6	12788.0	13107.7	13577.0	13644.4
50°	11696.9	12001.9	12400.8	12964.0	13005.0
52.5°	10752.5	11169.0	11696.9	12236.6	12186.7
55°	9805.1	10277.3	10978.3	11418.3	11391.9
57.5°	8860.7	9391.6	10242.1	10556.0	10553.0
60°	7804.8	8476.4	9406.2	9643.8	9409.2
62.5°	6828.1	7549.6	8514.6	8341.5	7537.9
65°	5754.6	6655.0	7555.5	6376.4	5206.1
67.5°	4801.4	5739.9	6417.5	4367.3	3739.6
70°	3842.3	4877.6	5003.7	3241.0	3197.0
72.5°	2991.7	4094.5	3452.2	2774.6	2915.4
75°	2264.3	3285.0	2416.8	2472.5	2633.9
77.5°	1651.3	2522.4	1880.1	2167.5	2299.5
80°	1135.1	1786.2	1534.0	1821.4	1912.3
82.5°	712.7	1179.1	1228.9	1466.5	1560.4
85°	390.1	747.9	959.1	1158.5	1214.3
87.5°	161.3	451.7	733.3	894.6	941.5
90°	2.9	249.3	495.7	621.8	651.1
92.5°	2.9	190.6	404.8	501.5	522.1
95°	2.9	155.5	340.2	413.6	425.3
97.5°	5.9	123.2	284.5	343.2	354.9
100°	8.8	102.7	237.6	287.4	296.2
102.5°	11.7	82.1	199.4	240.5	249.3
105°	11.7	67.5	167.2	202.4	211.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.5	41.1	99.7	126.1	132.0
115°	23.5	35.2	85.1	108.5	114.4
117.5°	23.5	29.3	73.3	90.9	96.8
120°	23.5	26.4	64.5	79.2	82.1
122.5°	23.5	23.5	55.7	70.4	73.3
125°	20.5	23.5	52.8	61.6	64.5
127.5°	23.5	23.5	46.9	55.7	58.7
130°	23.5	26.4	41.1	52.8	52.8
132.5°	26.4	29.3	38.1	49.9	49.9
135°	26.4	29.3	32.3	46.9	49.9
137.5°	29.3	29.3	29.3	44.0	46.9
140°	29.3	29.3	26.4	38.1	41.1
142.5°	26.4	29.3	26.4	35.2	38.1
145°	26.4	29.3	29.3	32.3	35.2
147.5°	29.3	29.3	29.3	29.3	32.3
150°	29.3	29.3	29.3	29.3	29.3
152.5°	29.3	29.3	29.3	29.3	29.3
155°	29.3	32.3	32.3	32.3	29.3
157.5°	29.3	32.3	32.3	32.3	32.3
160°	29.3	32.3	32.3	32.3	32.3
162.5°	32.3	32.3	32.3	32.3	32.3
165°	32.3	32.3	32.3	32.3	32.3
167.5°	32.3	35.2	32.3	32.3	32.3
170°	32.3	32.3	32.3	29.3	29.3
172.5°	32.3	32.3	32.3	29.3	29.3
175°	32.3	32.3	29.3	26.4	26.4
177.5°	35.2	32.3	29.3	26.4	23.5
180°	29.3	29.3	29.3	29.3	29.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	14.7	55.7	143.7	173.0	178.9
110°	17.6	46.9	120.3	146.7	152.5



(END OF REPORT)