

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: P830939

Luminaire Tested: **OHBL-9HE-NL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-9HE-NL-UNV-L930-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

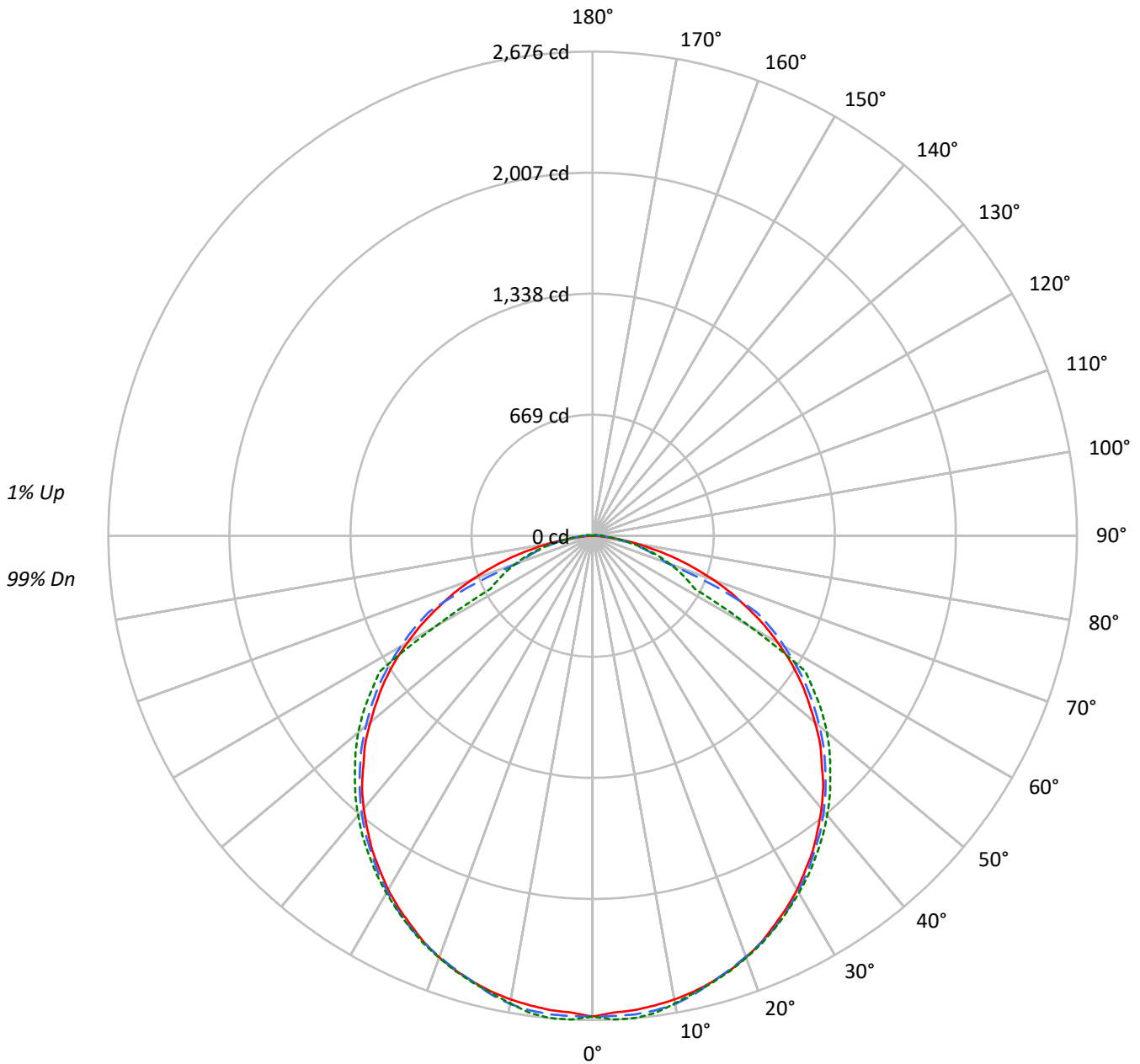
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7459.0 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): 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	111	111	111	106	106	106	102	102	102				99																
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86				84																
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73				71																
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62				60																
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53				51																
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46				44																
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41				39																
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36				34																
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32				30																
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29				27																
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26				25																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4538	4538	4538
5°	4513	4553	4588
10°	4514	4557	4551
15°	4513	4512	4522
20°	4507	4500	4511
25°	4476	4499	4502
30°	4455	4478	4496
35°	4426	4451	4492
40°	4388	4430	4495
45°	4325	4390	4486
50°	4260	4347	4490
55°	4178	4287	4441
60°	4038	4182	3457
65°	3821	4043	2327
70°	3534	2146	2258
75°	3082	2040	2157
80°	2370	1871	1976
85°	1197	1891	1936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.4	3.4
10°-20°	722.7	9.7
20°-30°	1099.6	14.7
30°-40°	1337.0	17.9
40°-50°	1405.8	18.8
50°-60°	1283.6	17.2
60°-70°	822.9	11.0
70°-80°	388.7	5.2
80°-90°	107.8	1.4
90°-100°	28.5	0.4
100°-110°	7.8	0.1
110°-120°	2.2	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2074.7	27.8
0°-40°	3411.7	45.7
0°-60°	6101.1	81.8
0°-90°	7420.5	99.5
90°-120°	38.5	0.5
90°-150°	38.5	0.5
90°-180°	39.0	0.5
0°-180°	7459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2657	2657	2657	2657	2657	
5°	2632	2642	2656	2670	2676	250
15°	2552	2571	2552	2556	2557	721
25°	2375	2379	2387	2391	2389	1096
35°	2123	2110	2135	2161	2155	1327
45°	1790	1787	1818	1860	1857	1384
55°	1403	1392	1440	1488	1491	1251
65°	945	945	1000	574	576	937
75°	467	476	309	325	327	492
85°	61	77	96	104	99	90
90°	0	26	43	51	50	3
95°	1	14	31	42	42	1
105°	2	5	8	8	7	2
115°	2	3	5	3	0	2
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2656.7	2656.7	2656.7	2656.7	2656.7
2.5°	2638.0	2646.9	2656.7	2669.3	2676.2
5°	2632.0	2642.2	2655.8	2670.2	2675.8
7.5°	2618.9	2633.4	2646.4	2656.7	2660.0
10°	2602.6	2619.9	2627.3	2626.4	2624.1
12.5°	2580.7	2598.9	2596.6	2585.8	2587.7
15°	2552.3	2571.4	2551.8	2555.5	2557.4
17.5°	2518.7	2537.4	2514.5	2522.0	2522.5
20°	2479.6	2493.5	2475.8	2481.9	2481.9
22.5°	2432.5	2442.3	2434.8	2439.0	2439.9
25°	2375.1	2378.8	2387.2	2391.0	2389.1
27.5°	2320.2	2315.5	2331.8	2340.6	2335.9
30°	2259.1	2251.6	2270.7	2285.2	2279.6
32.5°	2189.1	2184.5	2206.4	2223.6	2220.4
35°	2122.9	2110.3	2134.6	2160.7	2154.6
37.5°	2044.6	2037.2	2064.6	2092.2	2088.9
40°	1968.2	1955.6	1986.8	2019.4	2016.2
42.5°	1886.1	1871.2	1905.2	1944.4	1940.7
45°	1790.5	1787.3	1817.6	1860.5	1857.2
47.5°	1705.7	1689.4	1731.8	1773.3	1777.1
50°	1603.1	1597.1	1635.8	1686.1	1689.8
52.5°	1502.9	1498.7	1539.3	1590.1	1596.6
55°	1403.1	1392.4	1439.5	1487.5	1491.3
57.5°	1296.4	1285.2	1333.3	1385.5	1393.4
60°	1182.2	1171.5	1224.1	1272.7	1012.1
62.5°	1068.0	1060.5	1115.6	790.2	636.8
65°	945.4	945.4	1000.4	573.8	575.7
67.5°	830.7	823.3	745.9	515.6	515.6
70°	707.6	710.5	429.8	451.7	452.2
72.5°	584.1	594.4	371.1	388.8	389.7
75°	467.1	476.0	309.1	325.4	326.8
77.5°	343.1	263.8	248.5	261.1	261.5
80°	241.0	166.4	190.2	202.3	200.9
82.5°	140.8	116.5	139.4	148.3	147.8
85°	61.1	77.4	96.5	104.4	98.8
87.5°	19.5	48.0	60.1	64.8	64.3
90°	0.0	26.1	42.9	50.8	49.9
92.5°	0.0	20.5	37.3	46.6	47.1
95°	1.4	13.5	30.8	41.5	41.5
97.5°	0.9	9.8	21.9	32.6	33.6
100°	0.9	7.9	14.5	23.3	23.8
102.5°	2.3	6.5	8.8	14.9	15.4
105°	2.3	5.1	7.5	7.5	7.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	3.8	5.1	3.8	0.4
115°	2.3	3.3	4.6	3.3	0.4
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.3	4.6	6.5	4.2	1.4
110°	2.8	4.2	5.6	3.8	0.4



(END OF REPORT)