

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: P830891

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830891
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-9HE-A-UNV-L930-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

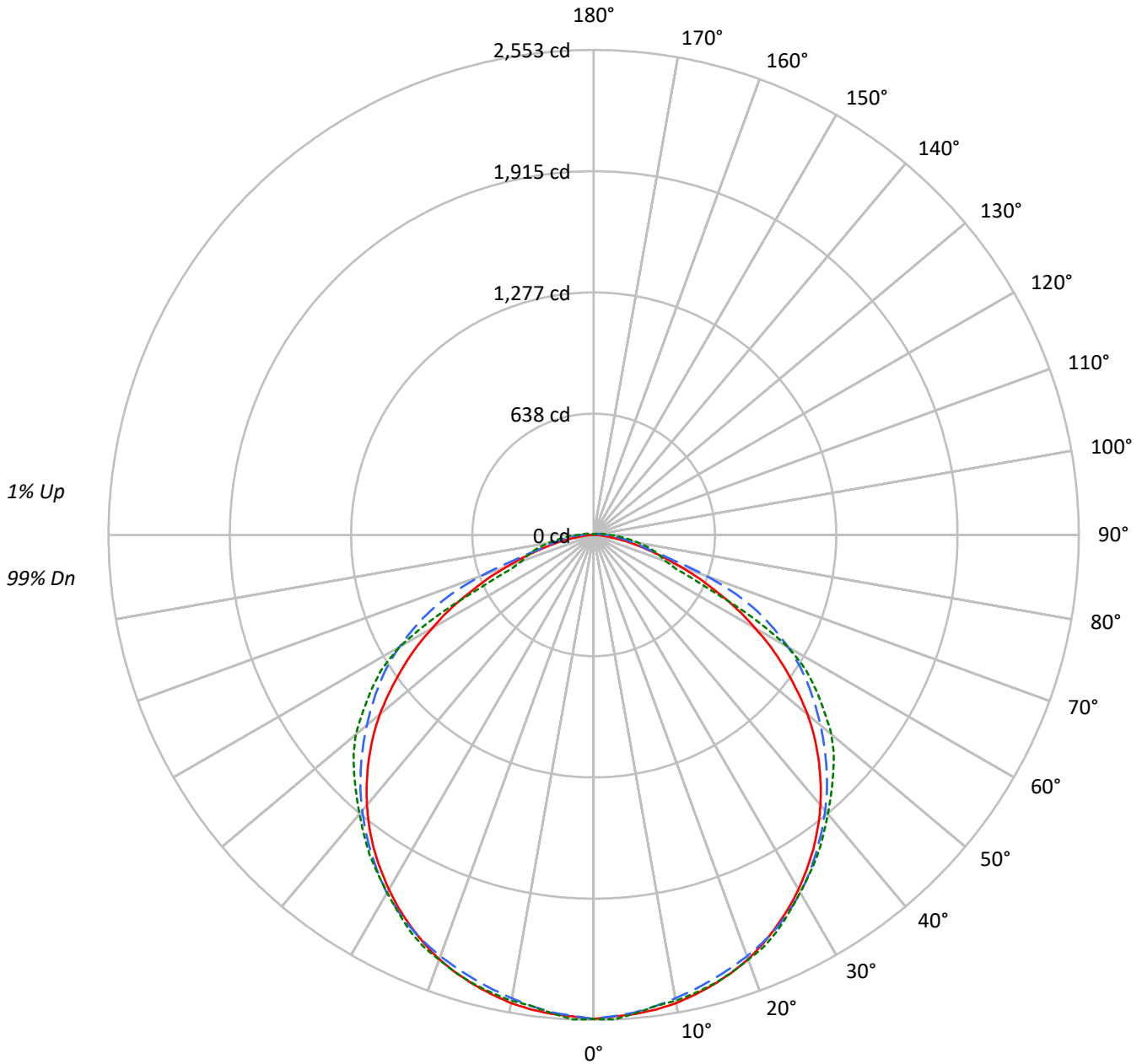
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7201.0 lumens
Efficiency: N/A
Efficacy: 138.5 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): 52
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°	4351	4351	4351
5°	4323	4286	4294
10°	4307	4219	4244
15°	4280	4169	4213
20°	4253	4136	4173
25°	4201	4104	4133
30°	4145	4053	4052
35°	4079	3974	4006
40°	3992	3892	3943
45°	3872	3798	3913
50°	3709	3690	3878
55°	3450	3584	3728
60°	3111	3430	3441
65°	2669	3147	2176
70°	2150	2452	1573
75°	1612	1451	1590
80°	1122	1201	1507
85°	639	1091	1394



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.2	3.3
10°-20°	688.9	9.6
20°-30°	1052.1	14.6
30°-40°	1276.6	17.7
40°-50°	1338.0	18.6
50°-60°	1212.4	16.8
60°-70°	812.9	11.3
70°-80°	365.0	5.1
80°-90°	132.5	1.8
90°-100°	39.9	0.6
100°-110°	18.8	0.3
110°-120°	9.4	0.1
120°-130°	5.2	0.1
130°-140°	3.6	0.0
140°-150°	2.4	0.0
150°-160°	1.8	0.0
160°-170°	1.2	0.0
170°-180°	0.4	0.0
0°-30°	1981.2	27.5
0°-40°	3257.7	45.2
0°-60°	5808.1	80.7
0°-90°	7118.4	98.9
90°-120°	68.1	0.9
90°-150°	79.3	1.1
90°-180°	83.0	1.2
0°-180°	7201.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2548	2548	2548	2548	2548	
5°	2531	2540	2522	2530	2527	241
15°	2449	2439	2422	2444	2446	691
25°	2275	2265	2281	2302	2295	1049
35°	2016	2021	2042	2064	2056	1260
45°	1674	1701	1732	1777	1782	1289
55°	1232	1291	1379	1434	1431	1099
65°	723	836	949	801	654	720
75°	284	413	304	310	331	311
85°	49	94	120	146	152	60
90°	0	31	62	78	82	3
95°	0	20	43	52	53	1
105°	2	8	21	25	26	2
115°	3	4	11	14	14	3
125°	3	3	7	8	8	3
135°	3	4	4	6	6	3
145°	3	4	4	4	4	2
155°	4	4	4	4	4	2
165°	4	4	4	4	4	1
175°	4	4	4	3	3	0
180°	4	4	4	4	4	



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CATALOG NUMBER: OHBL-9HE-A-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2547.7	2547.7	2547.7	2547.7	2547.7
2.5°	2537.4	2548.1	2534.8	2549.2	2552.9
5°	2531.1	2540.0	2522.3	2530.0	2526.7
7.5°	2519.7	2522.7	2501.7	2507.9	2501.3
10°	2502.8	2501.3	2476.6	2488.8	2490.3
12.5°	2477.7	2473.3	2451.2	2469.6	2470.0
15°	2449.0	2439.4	2422.1	2443.5	2446.4
17.5°	2415.8	2403.3	2391.9	2419.5	2415.1
20°	2377.2	2362.4	2360.2	2390.4	2379.4
22.5°	2329.3	2317.9	2323.0	2351.7	2344.7
25°	2275.1	2265.2	2281.0	2302.0	2295.4
27.5°	2218.0	2212.1	2230.2	2246.4	2233.5
30°	2155.4	2152.1	2176.0	2189.3	2173.1
32.5°	2087.2	2088.3	2111.2	2129.2	2114.1
35°	2016.5	2021.3	2041.9	2063.7	2055.6
37.5°	1938.8	1949.5	1970.1	1994.8	1986.3
40°	1856.6	1872.1	1894.9	1924.8	1917.1
42.5°	1767.9	1787.4	1816.9	1850.0	1849.3
45°	1673.6	1700.8	1732.5	1776.7	1782.2
47.5°	1575.6	1606.1	1646.3	1705.2	1713.7
50°	1469.1	1507.4	1557.5	1628.2	1633.4
52.5°	1350.5	1402.8	1469.1	1536.9	1530.6
55°	1231.5	1290.8	1378.8	1434.1	1430.8
57.5°	1112.9	1179.6	1286.4	1325.8	1325.4
60°	980.3	1064.6	1181.4	1211.2	1181.8
62.5°	857.6	948.2	1069.4	1047.7	946.7
65°	722.8	835.9	948.9	800.9	653.9
67.5°	603.0	720.9	806.0	548.5	469.7
70°	482.6	612.6	628.5	407.1	401.5
72.5°	375.7	514.3	433.6	348.5	366.2
75°	284.4	412.6	303.5	310.5	330.8
77.5°	207.4	316.8	236.1	272.2	288.8
80°	142.6	224.3	192.7	228.8	240.2
82.5°	89.5	148.1	154.4	184.2	196.0
85°	49.0	93.9	120.5	145.5	152.5
87.5°	20.3	56.7	92.1	112.4	118.3
90°	0.4	31.3	62.3	78.1	81.8
92.5°	0.4	23.9	50.8	63.0	65.6
95°	0.4	19.5	42.7	51.9	53.4
97.5°	0.7	15.5	35.7	43.1	44.6
100°	1.1	12.9	29.8	36.1	37.2
102.5°	1.5	10.3	25.0	30.2	31.3
105°	1.5	8.5	21.0	25.4	26.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	5.2	12.5	15.8	16.6
115°	2.9	4.4	10.7	13.6	14.4
117.5°	2.9	3.7	9.2	11.4	12.2
120°	2.9	3.3	8.1	9.9	10.3
122.5°	2.9	2.9	7.0	8.8	9.2
125°	2.6	2.9	6.6	7.7	8.1
127.5°	2.9	2.9	5.9	7.0	7.4
130°	2.9	3.3	5.2	6.6	6.6
132.5°	3.3	3.7	4.8	6.3	6.3
135°	3.3	3.7	4.1	5.9	6.3
137.5°	3.7	3.7	3.7	5.5	5.9
140°	3.7	3.7	3.3	4.8	5.2
142.5°	3.3	3.7	3.3	4.4	4.8
145°	3.3	3.7	3.7	4.1	4.4
147.5°	3.7	3.7	3.7	3.7	4.1
150°	3.7	3.7	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	3.7	3.7
155°	3.7	4.1	4.1	4.1	3.7
157.5°	3.7	4.1	4.1	4.1	4.1
160°	3.7	4.1	4.1	4.1	4.1
162.5°	4.1	4.1	4.1	4.1	4.1
165°	4.1	4.1	4.1	4.1	4.1
167.5°	4.1	4.4	4.1	4.1	4.1
170°	4.1	4.1	4.1	3.7	3.7
172.5°	4.1	4.1	4.1	3.7	3.7
175°	4.1	4.1	3.7	3.3	3.3
177.5°	4.4	4.1	3.7	3.3	2.9
180°	3.7	3.7	3.7	3.7	3.7



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1.8	7.0	18.1	21.7	22.5
110°	2.2	5.9	15.1	18.4	19.2



(END OF REPORT)