

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: P829524

Luminaire Tested: **OHB-9HE-A-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829524
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: OHB-9HE-A-UNV-L935-CD
Description: 9000 LUMEN OHB HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

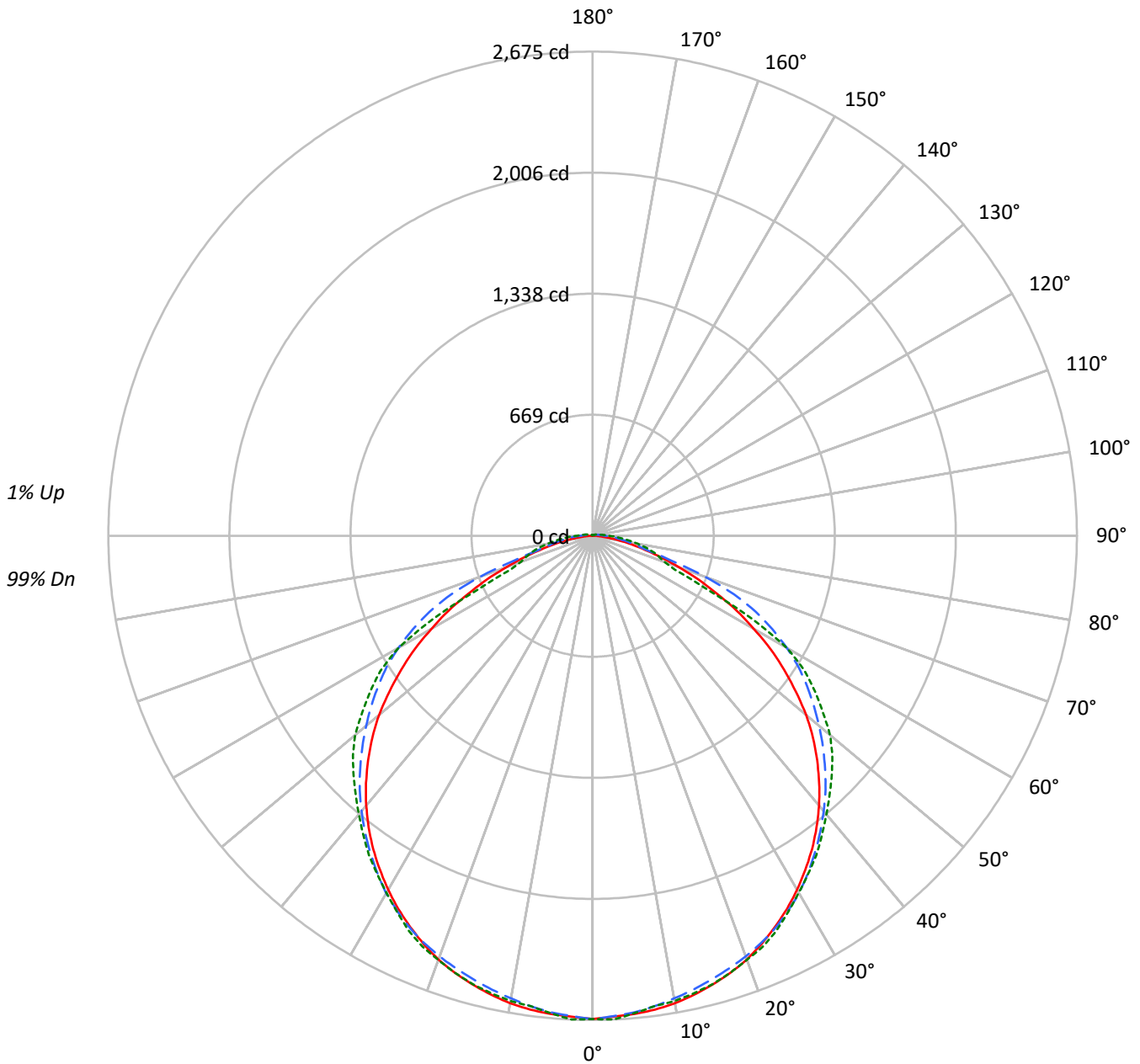
Lumens per Lamp: N/A
Luminaire Lumens: 7546.0 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

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	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°	8919	8919	8919
5°	8828	8762	8802
10°	8763	8604	8698
15°	8675	8478	8634
20°	8586	8390	8552
25°	8448	8301	8471
30°	8299	8174	8304
35°	8127	7989	8209
40°	7912	7797	8082
45°	7627	7579	8021
50°	7255	7331	7948
55°	6692	7083	7641
60°	5971	6735	7052
65°	5052	6129	4460
70°	3993	4723	3224
75°	2910	2753	3258
80°	1930	2223	3090
85°	990	1931	2858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	3.3
10°-20°	721.9	9.6
20°-30°	1102.5	14.6
30°-40°	1337.7	17.7
40°-50°	1402.1	18.6
50°-60°	1270.5	16.8
60°-70°	851.8	11.3
70°-80°	382.5	5.1
80°-90°	138.8	1.8
90°-100°	41.8	0.6
100°-110°	19.7	0.3
110°-120°	9.9	0.1
120°-130°	5.4	0.1
130°-140°	3.8	0.0
140°-150°	2.5	0.0
150°-160°	1.9	0.0
160°-170°	1.2	0.0
170°-180°	0.4	0.0
0°-30°	2076.1	27.5
0°-40°	3413.8	45.2
0°-60°	6086.3	80.7
0°-90°	7459.4	98.9
90°-120°	71.4	0.9
90°-150°	83.1	1.1
90°-180°	87.0	1.2
0°-180°	7546.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2670	2670	2670	2670	2670	
5°	2652	2662	2643	2651	2648	252
15°	2566	2556	2538	2560	2564	725
25°	2384	2374	2390	2412	2405	1099
35°	2113	2118	2140	2162	2154	1321
45°	1754	1782	1816	1862	1868	1351
55°	1290	1353	1445	1503	1499	1152
65°	757	876	994	839	685	755
75°	298	432	318	325	347	326
85°	51	98	126	152	160	63
90°	0	33	65	82	86	3
95°	0	20	45	54	56	1
105°	2	9	22	27	28	2
115°	3	5	11	14	15	3
125°	3	3	7	8	8	3
135°	4	4	4	6	7	3
145°	4	4	4	4	5	2
155°	4	4	4	4	4	2
165°	4	4	4	4	4	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2669.8	2669.8	2669.8	2669.8	2669.8
2.5°	2659.0	2670.2	2656.3	2671.3	2675.2
5°	2652.4	2661.7	2643.1	2651.3	2647.8
7.5°	2640.4	2643.5	2621.5	2628.1	2621.1
10°	2622.7	2621.1	2595.3	2608.0	2609.6
12.5°	2596.4	2591.8	2568.6	2587.9	2588.3
15°	2566.3	2556.3	2538.1	2560.5	2563.6
17.5°	2531.6	2518.5	2506.5	2535.4	2530.8
20°	2491.0	2475.6	2473.3	2504.9	2493.4
22.5°	2440.9	2428.9	2434.3	2464.4	2457.1
25°	2384.1	2373.7	2390.3	2412.3	2405.4
27.5°	2324.3	2318.1	2337.0	2354.0	2340.5
30°	2258.7	2255.2	2280.3	2294.2	2277.2
32.5°	2187.2	2188.4	2212.3	2231.3	2215.4
35°	2113.1	2118.1	2139.8	2162.5	2154.0
37.5°	2031.7	2042.9	2064.5	2090.4	2081.5
40°	1945.6	1961.8	1985.7	2017.0	2008.9
42.5°	1852.6	1873.0	1903.9	1938.6	1937.9
45°	1753.7	1782.3	1815.5	1861.8	1867.6
47.5°	1651.0	1683.1	1725.2	1786.9	1795.8
50°	1539.5	1579.6	1632.1	1706.3	1711.7
52.5°	1415.2	1470.0	1539.5	1610.5	1604.0
55°	1290.5	1352.6	1444.9	1502.8	1499.3
57.5°	1166.2	1236.1	1348.0	1389.3	1388.9
60°	1027.2	1115.6	1238.0	1269.3	1238.4
62.5°	898.7	993.6	1120.6	1097.9	992.1
65°	757.4	875.9	994.4	839.2	685.2
67.5°	631.9	755.5	844.6	574.8	492.2
70°	505.7	642.0	658.6	426.6	420.8
72.5°	393.8	538.9	454.4	365.2	383.7
75°	298.0	432.4	318.1	325.4	346.7
77.5°	217.3	332.0	247.4	285.3	302.6
80°	149.4	235.1	201.9	239.7	251.7
82.5°	93.8	155.2	161.7	193.0	205.4
85°	51.3	98.4	126.2	152.5	159.8
87.5°	21.2	59.4	96.5	117.7	123.9
90°	0.4	32.8	65.2	81.8	85.7
92.5°	0.4	25.1	53.3	66.0	68.7
95°	0.4	20.5	44.8	54.4	56.0
97.5°	0.8	16.2	37.4	45.2	46.7
100°	1.2	13.5	31.3	37.8	39.0
102.5°	1.5	10.8	26.3	31.7	32.8
105°	1.5	8.9	22.0	26.6	27.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	5.4	13.1	16.6	17.4
115°	3.1	4.6	11.2	14.3	15.1
117.5°	3.1	3.9	9.7	12.0	12.7
120°	3.1	3.5	8.5	10.4	10.8
122.5°	3.1	3.1	7.3	9.3	9.7
125°	2.7	3.1	6.9	8.1	8.5
127.5°	3.1	3.1	6.2	7.3	7.7
130°	3.1	3.5	5.4	6.9	6.9
132.5°	3.5	3.9	5.0	6.6	6.6
135°	3.5	3.9	4.2	6.2	6.6
137.5°	3.9	3.9	3.9	5.8	6.2
140°	3.9	3.9	3.5	5.0	5.4
142.5°	3.5	3.9	3.5	4.6	5.0
145°	3.5	3.9	3.9	4.2	4.6
147.5°	3.9	3.9	3.9	3.9	4.2
150°	3.9	3.9	3.9	3.9	3.9
152.5°	3.9	3.9	3.9	3.9	3.9
155°	3.9	4.2	4.2	4.2	3.9
157.5°	3.9	4.2	4.2	4.2	4.2
160°	3.9	4.2	4.2	4.2	4.2
162.5°	4.2	4.2	4.2	4.2	4.2
165°	4.2	4.2	4.2	4.2	4.2
167.5°	4.2	4.6	4.2	4.2	4.2
170°	4.2	4.2	4.2	3.9	3.9
172.5°	4.2	4.2	4.2	3.9	3.9
175°	4.2	4.2	3.9	3.5	3.5
177.5°	4.6	4.2	3.9	3.5	3.1
180°	3.9	3.9	3.9	3.9	3.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1.9	7.3	18.9	22.8	23.5
110°	2.3	6.2	15.8	19.3	20.1



(END OF REPORT)