

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: P829572

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829572
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: OHB-9HE-NL-UNV-L935-CD
Description: 9000 LUMEN OHB HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

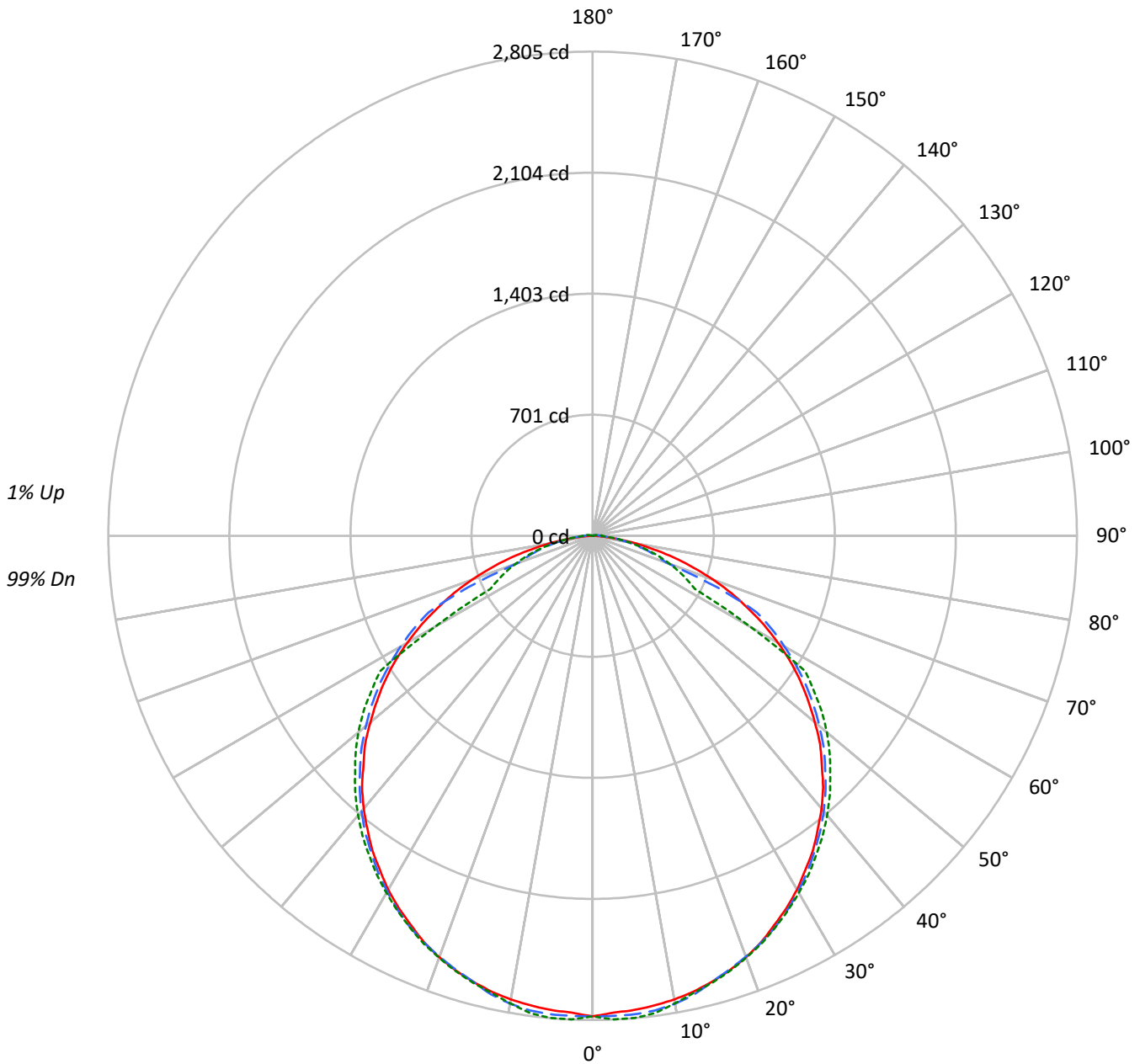
Lumens per Lamp: N/A
Luminaire Lumens: 7817.0 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 1.93' x H: 0')
CIE Type: Direct

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				20				20	
RC	80				70				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				99
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84				84
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71				71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60				60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9301	9301	9301
5°	9249	9333	9403
10°	9252	9340	9328
15°	9250	9249	9269
20°	9238	9224	9246
25°	9174	9221	9229
30°	9132	9179	9215
35°	9073	9123	9208
40°	8994	9080	9214
45°	8865	8999	9195
50°	8731	8909	9204
55°	8564	8786	9102
60°	8277	8571	7086
65°	7832	8287	4769
70°	7243	4399	4629
75°	6318	4181	4421
80°	4859	3834	4051
85°	2453	3875	3971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.5	3.4
10°-20°	757.4	9.7
20°-30°	1152.4	14.7
30°-40°	1401.1	17.9
40°-50°	1473.2	18.8
50°-60°	1345.3	17.2
60°-70°	862.4	11.0
70°-80°	407.4	5.2
80°-90°	113.0	1.4
90°-100°	29.9	0.4
100°-110°	8.2	0.1
110°-120°	2.3	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°	2174.3	27.8
0°-40°	3575.4	45.7
0°-60°	6393.9	81.8
0°-90°	7776.6	99.5
90°-120°	40.4	0.5
90°-150°	40.4	0.5
90°-180°	40.0	0.5
0°-180°	7817.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2784	2784	2784	2784	2784	
5°	2758	2769	2783	2798	2804	262
15°	2675	2695	2674	2678	2680	755
25°	2489	2493	2502	2506	2504	1149
35°	2225	2212	2237	2264	2258	1390
45°	1876	1873	1905	1950	1946	1450
55°	1470	1459	1509	1559	1563	1311
65°	991	991	1048	601	603	982
75°	490	499	324	341	342	516
85°	64	81	101	109	104	95
90°	0	27	45	53	52	3
95°	1	14	32	44	44	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°	2784.2	2784.2	2784.2	2784.2	2784.2
2.5°	2764.7	2774.0	2784.2	2797.4	2804.7
5°	2758.3	2769.1	2783.2	2798.4	2804.2
7.5°	2744.6	2759.7	2773.5	2784.2	2787.6
10°	2727.5	2745.6	2753.4	2752.5	2750.0
12.5°	2704.6	2723.6	2721.2	2709.9	2711.9
15°	2674.8	2694.8	2674.3	2678.2	2680.1
17.5°	2639.6	2659.1	2635.2	2643.0	2643.5
20°	2598.6	2613.2	2594.6	2601.0	2601.0
22.5°	2549.2	2559.5	2551.7	2556.1	2557.0
25°	2489.1	2493.0	2501.8	2505.7	2503.8
27.5°	2431.5	2426.6	2443.7	2453.0	2448.1
30°	2367.5	2359.7	2379.7	2394.8	2389.0
32.5°	2294.2	2289.3	2312.3	2330.3	2326.9
35°	2224.8	2211.6	2237.0	2264.4	2258.0
37.5°	2142.7	2134.9	2163.7	2192.6	2189.2
40°	2062.6	2049.4	2082.2	2116.4	2112.9
42.5°	1976.7	1961.0	1996.7	2037.7	2033.8
45°	1876.5	1873.1	1904.8	1949.8	1946.3
47.5°	1787.6	1770.5	1814.9	1858.4	1862.3
50°	1680.1	1673.8	1714.3	1767.1	1771.0
52.5°	1575.1	1570.7	1613.1	1666.4	1673.2
55°	1470.5	1459.3	1508.6	1558.9	1562.9
57.5°	1358.7	1346.9	1397.3	1452.0	1460.3
60°	1238.9	1227.7	1282.9	1333.7	1060.6
62.5°	1119.2	1111.4	1169.1	828.1	667.4
65°	990.8	990.8	1048.4	601.4	603.4
67.5°	870.6	862.8	781.7	540.3	540.3
70°	741.6	744.6	450.4	473.4	473.9
72.5°	612.1	622.9	388.9	407.4	408.4
75°	489.5	498.8	323.9	341.0	342.5
77.5°	359.6	276.5	260.4	273.6	274.1
80°	252.6	174.4	199.3	212.0	210.6
82.5°	147.5	122.1	146.1	155.4	154.9
85°	64.0	81.1	101.1	109.4	103.6
87.5°	20.5	50.3	63.0	67.9	67.4
90°	0.0	27.4	44.9	53.2	52.3
92.5°	0.0	21.5	39.1	48.9	49.3
95°	1.4	14.2	32.3	43.5	43.5
97.5°	1.0	10.2	23.0	34.2	35.2
100°	1.0	8.3	15.2	24.4	24.9
102.5°	2.4	6.8	9.3	15.6	16.1
105°	2.4	5.4	7.8	7.8	7.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	3.9	5.4	3.9	0.5
115°	2.4	3.4	4.9	3.4	0.5
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°	2.4	4.9	6.8	4.4	1.4
110°	2.9	4.4	5.8	3.9	0.5



(END OF REPORT)