

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: P829537

Luminaire Tested: **OHB-9HE-MCL-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829537
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-MCL-UNV-L940-CD
Description: 9000 LUMEN OHB HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

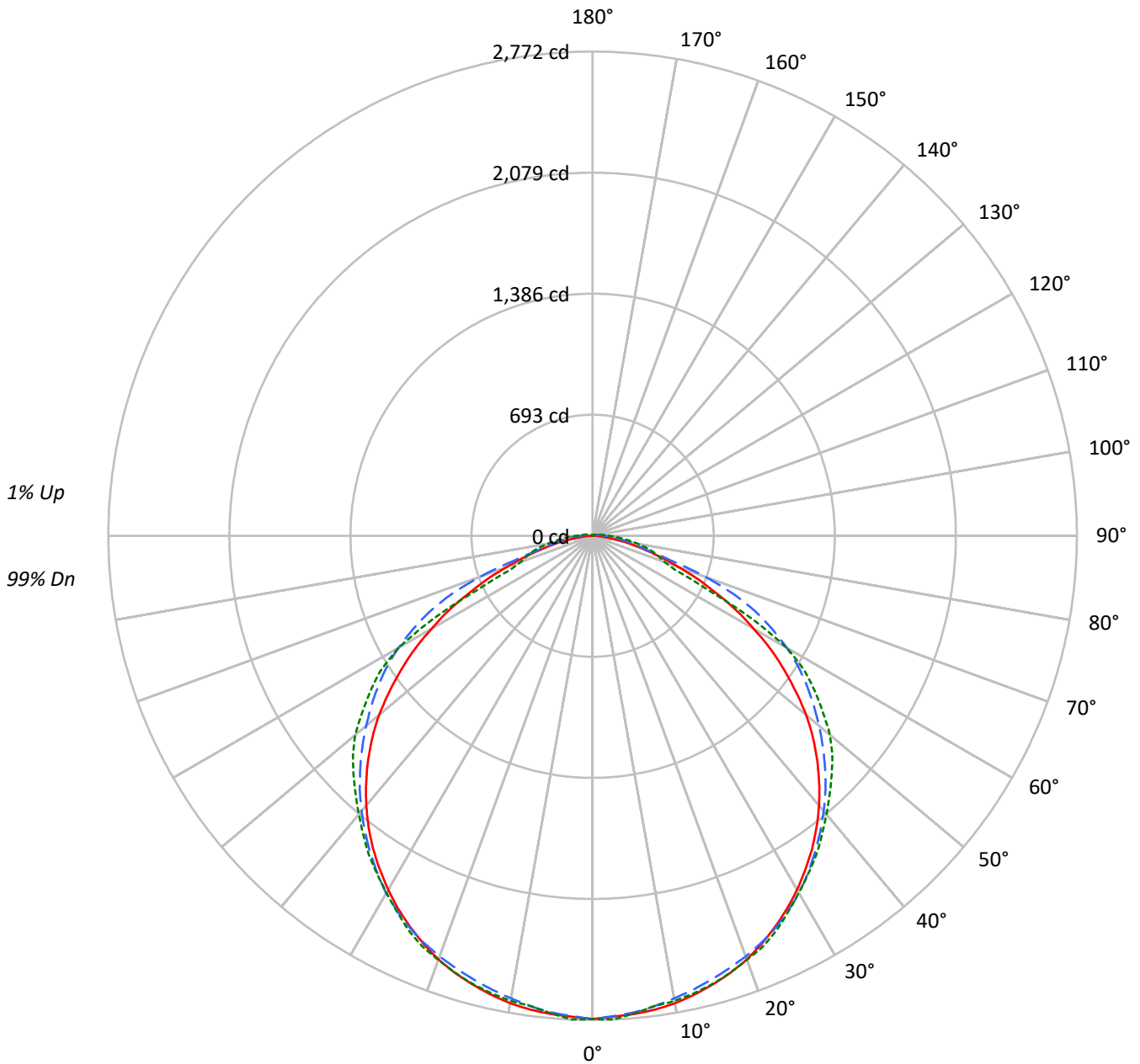
Lumens per Lamp: N/A
Luminaire Lumens: 7819.1 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (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°	9241	9241	9241
5°	9147	9079	9120
10°	9080	8915	9013
15°	8989	8785	8947
20°	8897	8694	8862
25°	8754	8601	8777
30°	8600	8470	8605
35°	8421	8278	8506
40°	8198	8080	8374
45°	7903	7853	8311
50°	7518	7597	8236
55°	6934	7339	7917
60°	6187	6979	7307
65°	5235	6351	4621
70°	4138	4894	3340
75°	3015	2852	3376
80°	2000	2304	3201
85°	1027	2001	2961



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.8	3.3
10°-20°	748.0	9.6
20°-30°	1142.4	14.6
30°-40°	1386.1	17.7
40°-50°	1452.8	18.6
50°-60°	1316.5	16.8
60°-70°	882.6	11.3
70°-80°	396.3	5.1
80°-90°	143.8	1.8
90°-100°	43.3	0.6
100°-110°	20.4	0.3
110°-120°	10.2	0.1
120°-130°	5.6	0.1
130°-140°	3.9	0.0
140°-150°	2.6	0.0
150°-160°	1.9	0.0
160°-170°	1.2	0.0
170°-180°	0.4	0.0
0°-30°	2151.2	27.5
0°-40°	3537.4	45.2
0°-60°	6306.6	80.7
0°-90°	7729.4	98.9
90°-120°	74.0	0.9
90°-150°	86.1	1.1
90°-180°	90.0	1.2
0°-180°	7819.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2766	2766	2766	2766	2766	
5°	2748	2758	2739	2747	2744	261
15°	2659	2649	2630	2653	2656	751
25°	2470	2460	2477	2500	2492	1139
35°	2190	2195	2217	2241	2232	1369
45°	1817	1847	1881	1929	1935	1400
55°	1337	1402	1497	1557	1554	1194
65°	785	908	1030	870	710	782
75°	309	448	330	337	359	337
85°	53	102	131	158	166	65
90°	0	34	68	85	89	3
95°	0	21	46	56	58	1
105°	2	9	23	28	29	2
115°	3	5	12	15	16	3
125°	3	3	7	8	9	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°	2766.4	2766.4	2766.4	2766.4	2766.4
2.5°	2755.2	2766.8	2752.4	2768.0	2772.0
5°	2748.4	2758.0	2738.8	2747.2	2743.6
7.5°	2736.0	2739.2	2716.4	2723.2	2716.0
10°	2717.6	2716.0	2689.2	2702.4	2704.0
12.5°	2690.4	2685.6	2661.6	2681.6	2682.0
15°	2659.2	2648.8	2630.0	2653.2	2656.4
17.5°	2623.2	2609.6	2597.2	2627.2	2622.4
20°	2581.2	2565.2	2562.8	2595.6	2583.6
22.5°	2529.2	2516.8	2522.4	2553.6	2546.0
25°	2470.4	2459.6	2476.8	2499.6	2492.4
27.5°	2408.4	2402.0	2421.6	2439.2	2425.2
30°	2340.4	2336.8	2362.8	2377.2	2359.6
32.5°	2266.4	2267.6	2292.4	2312.0	2295.6
35°	2189.6	2194.8	2217.2	2240.8	2232.0
37.5°	2105.2	2116.8	2139.2	2166.0	2156.8
40°	2016.0	2032.8	2057.6	2090.0	2081.6
42.5°	1919.6	1940.8	1972.8	2008.8	2008.0
45°	1817.2	1846.8	1881.2	1929.2	1935.2
47.5°	1710.8	1744.0	1787.6	1851.6	1860.8
50°	1595.2	1636.8	1691.2	1768.0	1773.6
52.5°	1466.4	1523.2	1595.2	1668.8	1662.0
55°	1337.2	1401.6	1497.2	1557.2	1553.6
57.5°	1208.4	1280.8	1396.8	1439.6	1439.2
60°	1064.4	1156.0	1282.8	1315.2	1283.2
62.5°	931.2	1029.6	1161.2	1137.6	1028.0
65°	784.8	907.6	1030.4	869.6	710.0
67.5°	654.8	782.8	875.2	595.6	510.0
70°	524.0	665.2	682.4	442.0	436.0
72.5°	408.0	558.4	470.8	378.4	397.6
75°	308.8	448.0	329.6	337.2	359.2
77.5°	225.2	344.0	256.4	295.6	313.6
80°	154.8	243.6	209.2	248.4	260.8
82.5°	97.2	160.8	167.6	200.0	212.8
85°	53.2	102.0	130.8	158.0	165.6
87.5°	22.0	61.6	100.0	122.0	128.4
90°	0.4	34.0	67.6	84.8	88.8
92.5°	0.4	26.0	55.2	68.4	71.2
95°	0.4	21.2	46.4	56.4	58.0
97.5°	0.8	16.8	38.8	46.8	48.4
100°	1.2	14.0	32.4	39.2	40.4
102.5°	1.6	11.2	27.2	32.8	34.0
105°	1.6	9.2	22.8	27.6	28.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	5.6	13.6	17.2	18.0
115°	3.2	4.8	11.6	14.8	15.6
117.5°	3.2	4.0	10.0	12.4	13.2
120°	3.2	3.6	8.8	10.8	11.2
122.5°	3.2	3.2	7.6	9.6	10.0
125°	2.8	3.2	7.2	8.4	8.8
127.5°	3.2	3.2	6.4	7.6	8.0
130°	3.2	3.6	5.6	7.2	7.2
132.5°	3.6	4.0	5.2	6.8	6.8
135°	3.6	4.0	4.4	6.4	6.8
137.5°	4.0	4.0	4.0	6.0	6.4
140°	4.0	4.0	3.6	5.2	5.6
142.5°	3.6	4.0	3.6	4.8	5.2
145°	3.6	4.0	4.0	4.4	4.8
147.5°	4.0	4.0	4.0	4.0	4.4
150°	4.0	4.0	4.0	4.0	4.0
152.5°	4.0	4.0	4.0	4.0	4.0
155°	4.0	4.4	4.4	4.4	4.0
157.5°	4.0	4.4	4.4	4.4	4.4
160°	4.0	4.4	4.4	4.4	4.4
162.5°	4.4	4.4	4.4	4.4	4.4
165°	4.4	4.4	4.4	4.4	4.4
167.5°	4.4	4.8	4.4	4.4	4.4
170°	4.4	4.4	4.4	4.0	4.0
172.5°	4.4	4.4	4.4	4.0	4.0
175°	4.4	4.4	4.0	3.6	3.6
177.5°	4.8	4.4	4.0	3.6	3.2
180°	4.0	4.0	4.0	4.0	4.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.0	7.6	19.6	23.6	24.4
110°	2.4	6.4	16.4	20.0	20.8



(END OF REPORT)