

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: P829517

Luminaire Tested: **OHB-9HE-A-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829517
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-L740-CD
Description: 9000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

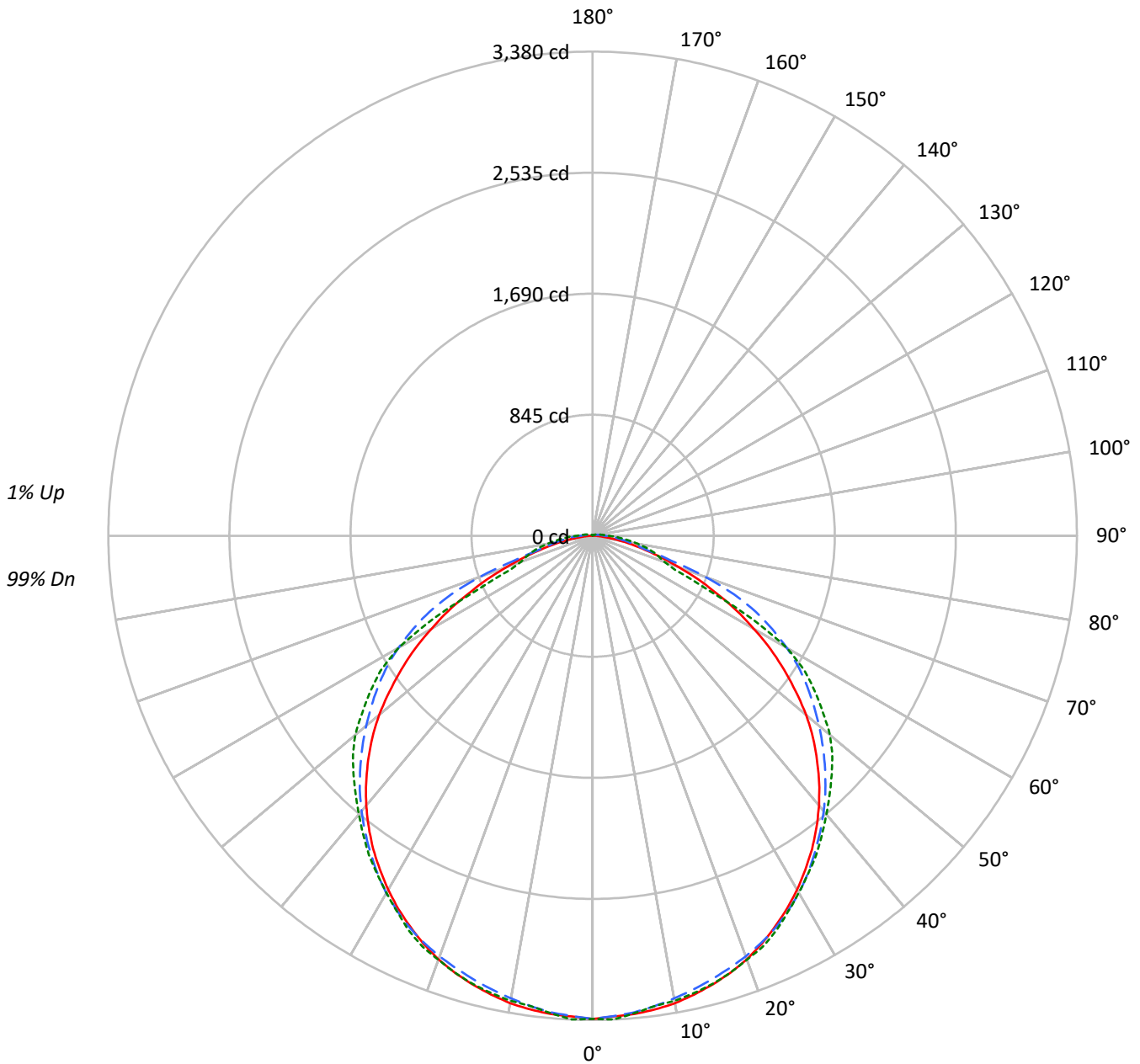
Lumens per Lamp: N/A
Luminaire Lumens: 9533.1 lumens
Efficiency: N/A
Efficacy: 183.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P829517

CATALOG NUMBER: OHB-9HE-A-UNV-L740-CD

Luminous Intensity Polar Plot





TEST NUMBER: P829517

CATALOG NUMBER: OHB-9HE-A-UNV-L740-CD

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°	11267	11267	11267
5°	11152	11069	11119
10°	11071	10869	10989
15°	10959	10711	10908
20°	10847	10600	10804
25°	10672	10486	10701
30°	10484	10327	10491
35°	10267	10093	10371
40°	9995	9851	10210
45°	9636	9575	10133
50°	9166	9262	10041
55°	8454	8948	9652
60°	7543	8508	8909
65°	6383	7743	5634
70°	5045	5967	4073
75°	3676	3477	4116
80°	2438	2809	3903
85°	1253	2440	3611



TEST NUMBER: P829517

CATALOG NUMBER: OHB-9HE-A-UNV-L740-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.0	3.3
10°-20°	911.9	9.6
20°-30°	1392.8	14.6
30°-40°	1690.0	17.7
40°-50°	1771.2	18.6
50°-60°	1605.0	16.8
60°-70°	1076.1	11.3
70°-80°	483.2	5.1
80°-90°	175.3	1.8
90°-100°	52.8	0.6
100°-110°	24.9	0.3
110°-120°	12.5	0.1
120°-130°	6.9	0.1
130°-140°	4.7	0.0
140°-150°	3.2	0.0
150°-160°	2.4	0.0
160°-170°	1.5	0.0
170°-180°	0.5	0.0
0°-30°	2622.8	27.5
0°-40°	4312.7	45.2
0°-60°	7689.0	80.7
0°-90°	9423.7	98.9
90°-120°	90.2	0.9
90°-150°	105.0	1.1
90°-180°	109.0	1.1
0°-180°	9533.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3373	3373	3373	3373	3373	
5°	3351	3362	3339	3349	3345	319
15°	3242	3229	3206	3235	3239	915
25°	3012	2999	3020	3048	3039	1388
35°	2670	2676	2703	2732	2721	1669
45°	2216	2252	2294	2352	2359	1707
55°	1630	1709	1825	1898	1894	1455
65°	957	1106	1256	1060	866	953
75°	376	546	402	411	438	411
85°	65	124	160	193	202	79
90°	0	42	82	103	108	4
95°	0	26	57	69	71	1
105°	2	11	28	34	35	2
115°	4	6	14	18	19	4
125°	3	4	9	10	11	3
135°	4	5	5	8	8	3
145°	4	5	5	5	6	3
155°	5	5	5	5	5	2
165°	5	5	5	5	5	2
175°	5	5	5	4	4	1
180°	5	5	5	5	5	



TEST NUMBER: P829517

CATALOG NUMBER: OHB-9HE-A-UNV-L740-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3372.8	3372.8	3372.8	3372.8	3372.8
2.5°	3359.1	3373.3	3355.7	3374.7	3379.6
5°	3350.8	3362.5	3339.1	3349.4	3345.0
7.5°	3335.7	3339.6	3311.8	3320.1	3311.3
10°	3313.3	3311.3	3278.7	3294.8	3296.7
12.5°	3280.1	3274.3	3245.0	3269.4	3269.9
15°	3242.1	3229.4	3206.5	3234.8	3238.7
17.5°	3198.2	3181.6	3166.5	3203.1	3197.2
20°	3147.0	3127.5	3124.6	3164.5	3149.9
22.5°	3083.6	3068.5	3075.3	3113.3	3104.1
25°	3011.9	2998.7	3019.7	3047.5	3038.7
27.5°	2936.3	2928.5	2952.4	2973.9	2956.8
30°	2853.4	2849.0	2880.7	2898.3	2876.8
32.5°	2763.2	2764.6	2794.9	2818.8	2798.8
35°	2669.6	2675.9	2703.2	2732.0	2721.2
37.5°	2566.7	2580.8	2608.1	2640.8	2629.6
40°	2457.9	2478.4	2508.6	2548.1	2537.9
42.5°	2340.4	2366.2	2405.2	2449.1	2448.1
45°	2215.5	2251.6	2293.6	2352.1	2359.4
47.5°	2085.8	2126.3	2179.4	2257.5	2268.7
50°	1944.9	1995.6	2061.9	2155.5	2162.4
52.5°	1787.8	1857.1	1944.9	2034.6	2026.3
55°	1630.3	1708.8	1825.4	1898.5	1894.1
57.5°	1473.3	1561.5	1703.0	1755.2	1754.7
60°	1297.7	1409.4	1564.0	1603.5	1564.5
62.5°	1135.3	1255.3	1415.7	1387.0	1253.3
65°	956.8	1106.5	1256.3	1060.2	865.6
67.5°	798.3	954.4	1067.0	726.2	621.8
70°	638.9	811.0	832.0	538.9	531.6
72.5°	497.4	680.8	574.0	461.3	484.8
75°	376.5	546.2	401.8	411.1	437.9
77.5°	274.6	419.4	312.6	360.4	382.3
80°	188.7	297.0	255.1	302.8	318.0
82.5°	118.5	196.0	204.3	243.8	259.4
85°	64.9	124.4	159.5	192.6	201.9
87.5°	26.8	75.1	121.9	148.7	156.5
90°	0.5	41.5	82.4	103.4	108.3
92.5°	0.5	31.7	67.3	83.4	86.8
95°	0.5	25.8	56.6	68.8	70.7
97.5°	1.0	20.5	47.3	57.1	59.0
100°	1.5	17.1	39.5	47.8	49.3
102.5°	2.0	13.7	33.2	40.0	41.5
105°	2.0	11.2	27.8	33.6	35.1



TEST NUMBER: P829517

CATALOG NUMBER: OHB-9HE-A-UNV-L740-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	6.8	16.6	21.0	21.9
115°	3.9	5.9	14.1	18.0	19.0
117.5°	3.9	4.9	12.2	15.1	16.1
120°	3.9	4.4	10.7	13.2	13.7
122.5°	3.9	3.9	9.3	11.7	12.2
125°	3.4	3.9	8.8	10.2	10.7
127.5°	3.9	3.9	7.8	9.3	9.8
130°	3.9	4.4	6.8	8.8	8.8
132.5°	4.4	4.9	6.3	8.3	8.3
135°	4.4	4.9	5.4	7.8	8.3
137.5°	4.9	4.9	4.9	7.3	7.8
140°	4.9	4.9	4.4	6.3	6.8
142.5°	4.4	4.9	4.4	5.9	6.3
145°	4.4	4.9	4.9	5.4	5.9
147.5°	4.9	4.9	4.9	4.9	5.4
150°	4.9	4.9	4.9	4.9	4.9
152.5°	4.9	4.9	4.9	4.9	4.9
155°	4.9	5.4	5.4	5.4	4.9
157.5°	4.9	5.4	5.4	5.4	5.4
160°	4.9	5.4	5.4	5.4	5.4
162.5°	5.4	5.4	5.4	5.4	5.4
165°	5.4	5.4	5.4	5.4	5.4
167.5°	5.4	5.9	5.4	5.4	5.4
170°	5.4	5.4	5.4	4.9	4.9
172.5°	5.4	5.4	5.4	4.9	4.9
175°	5.4	5.4	4.9	4.4	4.4
177.5°	5.9	5.4	4.9	4.4	3.9
180°	4.9	4.9	4.9	4.9	4.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.4	9.3	23.9	28.8	29.7
110°	2.9	7.8	20.0	24.4	25.4



(END OF REPORT)