

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: P830947

Luminaire Tested: **OHBL-9HE-W-UNV-L830-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-9HE-W-UNV-L830-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

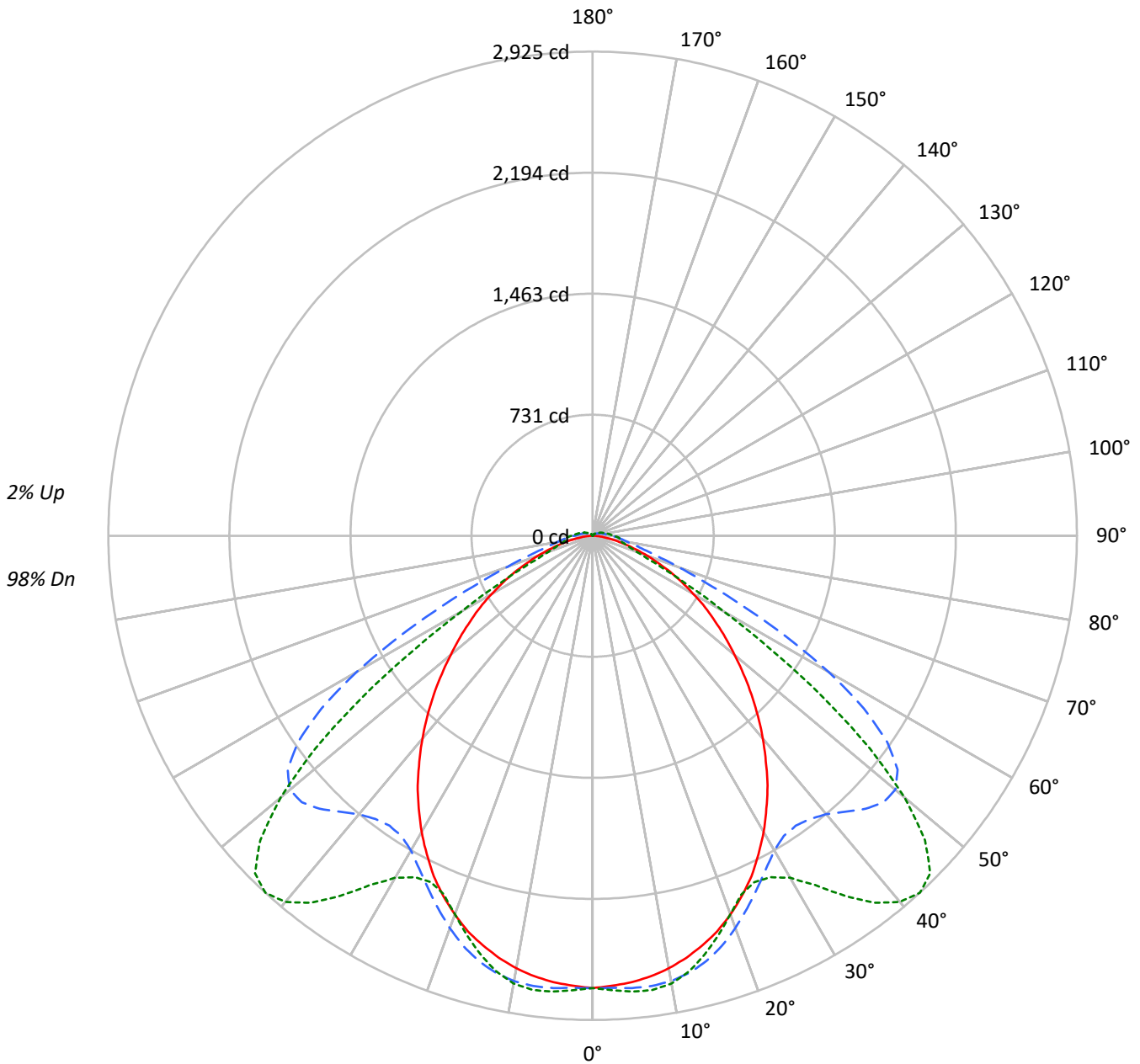
Lumens per Lamp: N/A
Luminaire Lumens: 8181.9 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4667	4667	4667
5°	4624	4661	4698
10°	4566	4654	4680
15°	4477	4577	4508
20°	4355	4419	4265
25°	4191	4229	4157
30°	3974	4087	4448
35°	3726	4163	5172
40°	3439	4509	5937
45°	3138	5114	6332
50°	2825	5655	5838
55°	2530	5648	4412
60°	2230	4778	2661
65°	1913	3299	1583
70°	1555	2132	1116
75°	1183	1528	997
80°	849	1341	1058
85°	576	1473	1472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.1	3.2
10°-20°	739.5	9.0
20°-30°	1082.1	13.2
30°-40°	1405.3	17.2
40°-50°	1716.0	21.0
50°-60°	1511.2	18.5
60°-70°	787.5	9.6
70°-80°	337.7	4.1
80°-90°	162.2	2.0
90°-100°	76.2	0.9
100°-110°	47.4	0.6
110°-120°	28.0	0.3
120°-130°	15.2	0.2
130°-140°	7.6	0.1
140°-150°	3.7	0.0
150°-160°	1.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2082.7	25.5
0°-40°	3487.9	42.6
0°-60°	6715.2	82.1
0°-90°	8002.6	97.8
90°-120°	151.5	1.9
90°-150°	178.0	2.2
90°-180°	179.0	2.2
0°-180°	8181.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2733	2733	2733	2733	2733	
5°	2707	2728	2743	2767	2764	257
15°	2562	2634	2659	2639	2618	721
25°	2270	2391	2351	2306	2309	1042
35°	1842	2037	2139	2494	2654	1148
45°	1357	1707	2333	2825	2884	1046
55°	903	1495	2173	1905	1693	811
65°	518	1036	995	553	476	513
75°	209	485	320	219	208	228
85°	44	173	163	159	161	49
90°	1	62	107	123	126	3
95°	1	37	86	100	103	1
105°	2	21	55	67	68	2
115°	4	12	34	42	43	4
125°	4	6	20	26	26	3
135°	4	4	9	16	16	3
145°	5	4	4	8	9	3
155°	5	5	4	4	4	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2732.6	2732.6	2732.6	2732.6	2732.6
2.5°	2720.8	2732.6	2733.2	2749.7	2748.0
5°	2707.3	2727.9	2742.7	2766.8	2763.9
7.5°	2684.9	2717.3	2743.3	2769.8	2767.4
10°	2653.0	2697.3	2731.5	2753.3	2746.2
12.5°	2611.8	2670.1	2703.7	2708.5	2694.9
15°	2561.7	2633.6	2658.9	2638.9	2617.7
17.5°	2505.1	2589.4	2598.2	2554.6	2528.1
20°	2434.3	2530.4	2521.6	2461.4	2432.0
22.5°	2355.9	2465.6	2437.3	2374.2	2345.9
25°	2269.8	2391.3	2350.6	2306.4	2308.7
27.5°	2169.0	2307.0	2267.5	2287.5	2325.2
30°	2066.4	2218.5	2194.4	2311.1	2385.4
32.5°	1953.8	2127.7	2149.6	2380.1	2501.5
35°	1842.4	2037.0	2138.9	2494.5	2654.2
37.5°	1719.2	1945.0	2156.0	2626.5	2794.0
40°	1599.5	1855.4	2195.0	2745.0	2886.5
42.5°	1477.5	1775.2	2260.4	2815.2	2925.4
45°	1356.6	1706.8	2332.9	2824.6	2883.6
47.5°	1235.7	1649.0	2383.0	2749.7	2722.6
50°	1119.0	1597.7	2386.6	2569.9	2459.1
52.5°	1009.9	1550.6	2321.7	2283.4	2111.2
55°	903.2	1495.1	2172.6	1904.9	1693.2
57.5°	805.9	1418.5	1942.6	1498.1	1267.0
60°	702.8	1314.7	1645.5	1096.0	913.8
62.5°	607.8	1185.6	1312.4	762.9	656.8
65°	518.2	1035.9	994.6	553.0	475.8
67.5°	423.3	880.8	734.0	403.3	353.7
70°	349.0	737.0	546.5	313.6	284.8
72.5°	273.0	600.2	408.6	254.7	238.8
75°	208.7	484.6	319.5	218.7	207.5
77.5°	153.9	383.2	257.1	193.4	182.8
80°	107.9	301.9	215.2	172.7	168.6
82.5°	72.5	233.5	183.4	164.5	165.1
85°	44.2	172.7	162.7	159.2	161.0
87.5°	21.2	122.6	139.7	145.0	146.8
90°	0.6	62.5	107.3	122.6	125.6
92.5°	0.0	47.8	94.3	109.7	112.6
95°	1.2	36.6	85.5	100.2	103.2
97.5°	1.2	30.1	76.6	92.0	93.7
100°	1.8	25.9	68.4	83.1	84.9
102.5°	1.8	23.0	61.3	74.3	75.5
105°	2.4	20.6	55.4	66.6	67.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	14.1	38.9	47.2	48.3
115°	3.5	11.8	34.2	41.9	43.0
117.5°	4.1	10.6	30.1	37.1	37.7
120°	4.1	8.8	25.9	33.0	33.6
122.5°	4.1	7.1	23.0	29.5	30.1
125°	4.1	5.9	20.0	25.9	26.5
127.5°	3.5	4.1	17.1	23.0	23.6
130°	3.5	3.5	14.1	20.0	21.2
132.5°	3.5	3.5	11.8	17.7	18.9
135°	3.5	3.5	9.4	15.9	16.5
137.5°	3.5	3.5	7.7	13.6	14.7
140°	3.5	3.5	5.9	11.8	12.4
142.5°	4.1	3.5	5.3	10.0	10.6
145°	4.7	3.5	4.1	7.7	8.8
147.5°	4.7	4.1	4.1	6.5	7.1
150°	4.7	4.7	3.5	4.7	5.9
152.5°	4.7	4.7	3.5	3.5	4.7
155°	4.7	4.7	3.5	3.5	3.5
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°	2.9	18.3	49.5	59.5	60.7
110°	2.9	15.9	43.6	53.1	54.2



(END OF REPORT)