

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: P830944

Luminaire Tested: **OHBL-9HE-W-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830944
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-L735-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

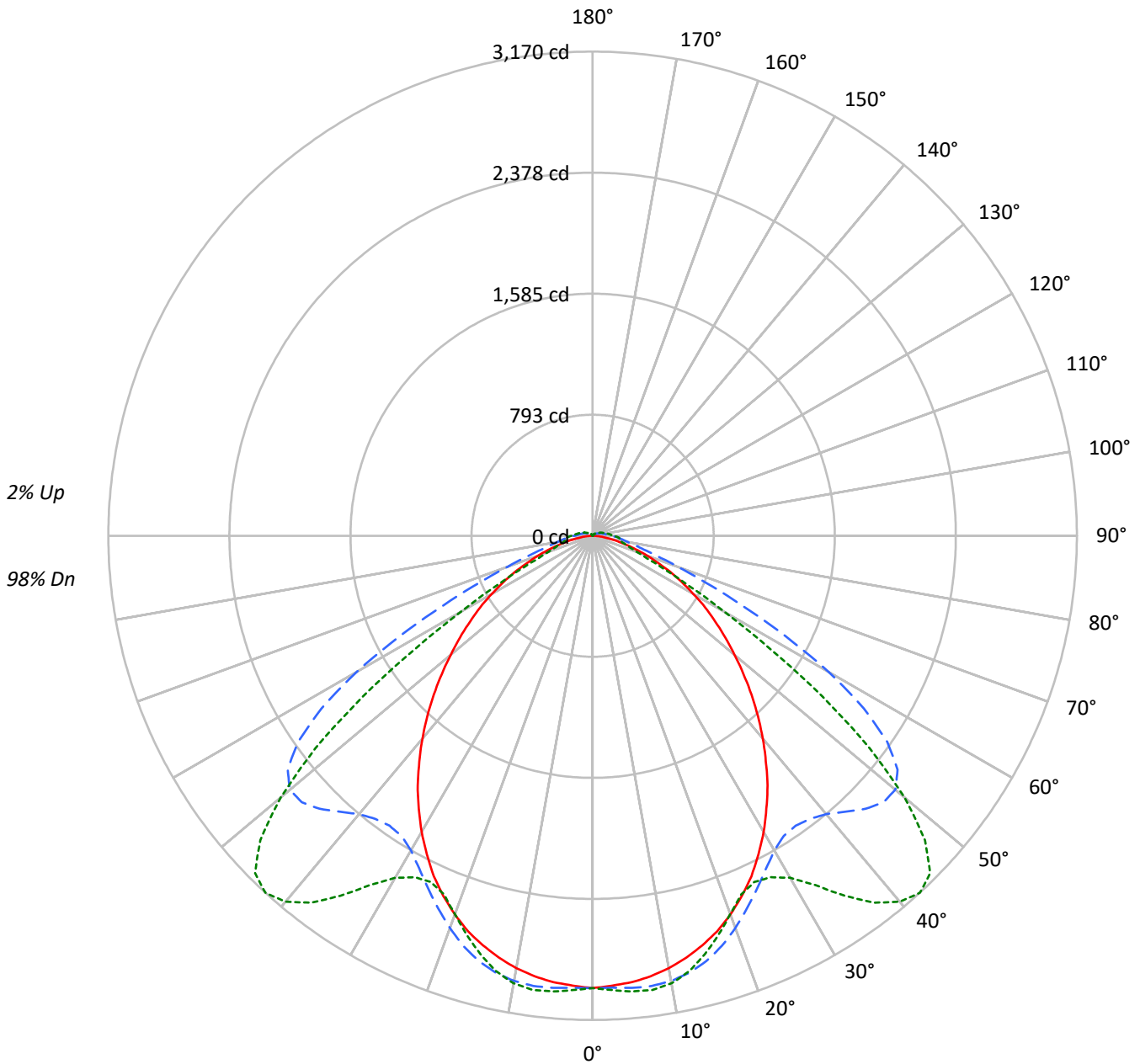
Lumens per Lamp: N/A
Luminaire Lumens: 8866.0 lumens
Efficiency: N/A
Efficacy: 170.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (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	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°	5058	5058	5058
5°	5010	5050	5090
10°	4947	5043	5072
15°	4851	4959	4885
20°	4719	4789	4622
25°	4542	4582	4505
30°	4307	4429	4819
35°	4038	4511	5604
40°	3727	4885	6434
45°	3401	5541	6861
50°	3061	6128	6326
55°	2742	6120	4781
60°	2417	5177	2883
65°	2074	3574	1716
70°	1685	2310	1209
75°	1282	1656	1081
80°	920	1454	1147
85°	624	1596	1595



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.0	3.2
10°-20°	801.3	9.0
20°-30°	1172.5	13.2
30°-40°	1522.8	17.2
40°-50°	1859.5	21.0
50°-60°	1637.6	18.5
60°-70°	853.3	9.6
70°-80°	365.9	4.1
80°-90°	175.7	2.0
90°-100°	82.6	0.9
100°-110°	51.3	0.6
110°-120°	30.3	0.3
120°-130°	16.5	0.2
130°-140°	8.3	0.1
140°-150°	4.0	0.0
150°-160°	1.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2256.8	25.5
0°-40°	3779.5	42.6
0°-60°	7276.6	82.1
0°-90°	8671.6	97.8
90°-120°	164.2	1.9
90°-150°	193.0	2.2
90°-180°	194.0	2.2
0°-180°	8866.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2961	2961	2961	2961	2961	
5°	2934	2956	2972	2998	2995	278
15°	2776	2854	2881	2860	2836	782
25°	2460	2591	2547	2499	2502	1129
35°	1996	2207	2318	2703	2876	1244
45°	1470	1850	2528	3061	3125	1133
55°	979	1620	2354	2064	1835	878
65°	562	1122	1078	599	516	556
75°	226	525	346	237	225	247
85°	48	187	176	172	174	53
90°	1	68	116	133	136	3
95°	1	40	93	109	112	1
105°	3	22	60	72	74	3
115°	4	13	37	45	47	4
125°	4	6	22	28	29	4
135°	4	4	10	17	18	3
145°	5	4	4	8	10	3
155°	5	5	4	4	4	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-9HE-W-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2961.1	2961.1	2961.1	2961.1	2961.1
2.5°	2948.3	2961.1	2961.7	2979.6	2977.7
5°	2933.6	2956.0	2971.9	2998.1	2994.9
7.5°	2909.3	2944.5	2972.6	3001.3	2998.8
10°	2874.8	2922.8	2959.8	2983.4	2975.8
12.5°	2830.1	2893.4	2929.8	2934.9	2920.2
15°	2775.8	2853.8	2881.2	2859.5	2836.5
17.5°	2714.5	2805.8	2815.4	2768.1	2739.4
20°	2637.8	2742.0	2732.4	2667.2	2635.3
22.5°	2552.9	2671.7	2641.0	2572.7	2542.0
25°	2459.6	2591.2	2547.1	2499.2	2501.7
27.5°	2350.3	2499.8	2457.0	2478.7	2519.6
30°	2239.2	2404.0	2377.8	2504.3	2584.8
32.5°	2117.2	2305.6	2329.3	2579.0	2710.7
35°	1996.4	2207.2	2317.8	2703.0	2876.1
37.5°	1862.9	2107.6	2336.3	2846.1	3027.5
40°	1733.2	2010.5	2378.4	2974.5	3127.8
42.5°	1601.0	1923.6	2449.4	3050.5	3170.0
45°	1470.0	1849.5	2527.9	3060.7	3124.6
47.5°	1339.0	1786.9	2582.2	2979.6	2950.2
50°	1212.5	1731.3	2586.1	2784.8	2664.7
52.5°	1094.4	1680.2	2515.8	2474.3	2287.7
55°	978.7	1620.1	2354.2	2064.1	1834.8
57.5°	873.3	1537.1	2105.0	1623.3	1372.9
60°	761.5	1424.6	1783.0	1187.6	990.2
62.5°	658.7	1284.7	1422.1	826.7	711.7
65°	561.6	1122.5	1077.7	599.2	515.6
67.5°	458.7	954.4	795.4	437.0	383.3
70°	378.2	798.6	592.2	339.9	308.6
72.5°	295.8	650.4	442.7	276.0	258.7
75°	226.2	525.1	346.3	237.0	224.9
77.5°	166.7	415.3	278.5	209.5	198.0
80°	116.9	327.1	233.2	187.2	182.7
82.5°	78.6	253.0	198.7	178.2	178.9
85°	47.9	187.2	176.3	172.5	174.4
87.5°	23.0	132.9	151.4	157.2	159.1
90°	0.6	67.7	116.3	132.9	136.1
92.5°	0.0	51.7	102.2	118.8	122.0
95°	1.3	39.6	92.6	108.6	111.8
97.5°	1.3	32.6	83.1	99.7	101.6
100°	1.9	28.1	74.1	90.1	92.0
102.5°	1.9	24.9	66.4	80.5	81.8
105°	2.6	22.4	60.1	72.2	73.5



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CATALOG NUMBER: OHBL-9HE-W-UNV-L735-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	15.3	42.2	51.1	52.4
115°	3.8	12.8	37.1	45.4	46.6
117.5°	4.5	11.5	32.6	40.2	40.9
120°	4.5	9.6	28.1	35.8	36.4
122.5°	4.5	7.7	24.9	31.9	32.6
125°	4.5	6.4	21.7	28.1	28.7
127.5°	3.8	4.5	18.5	24.9	25.6
130°	3.8	3.8	15.3	21.7	23.0
132.5°	3.8	3.8	12.8	19.2	20.4
135°	3.8	3.8	10.2	17.2	17.9
137.5°	3.8	3.8	8.3	14.7	16.0
140°	3.8	3.8	6.4	12.8	13.4
142.5°	4.5	3.8	5.7	10.9	11.5
145°	5.1	3.8	4.5	8.3	9.6
147.5°	5.1	4.5	4.5	7.0	7.7
150°	5.1	5.1	3.8	5.1	6.4
152.5°	5.1	5.1	3.8	3.8	5.1
155°	5.1	5.1	3.8	3.8	3.8
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°	3.2	19.8	53.7	64.5	65.8
110°	3.2	17.2	47.3	57.5	58.8



(END OF REPORT)