

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: P830888

Luminaire Tested: **OHBL-9HE-A-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830888
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: OHBL-9HE-A-UNV-L835-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

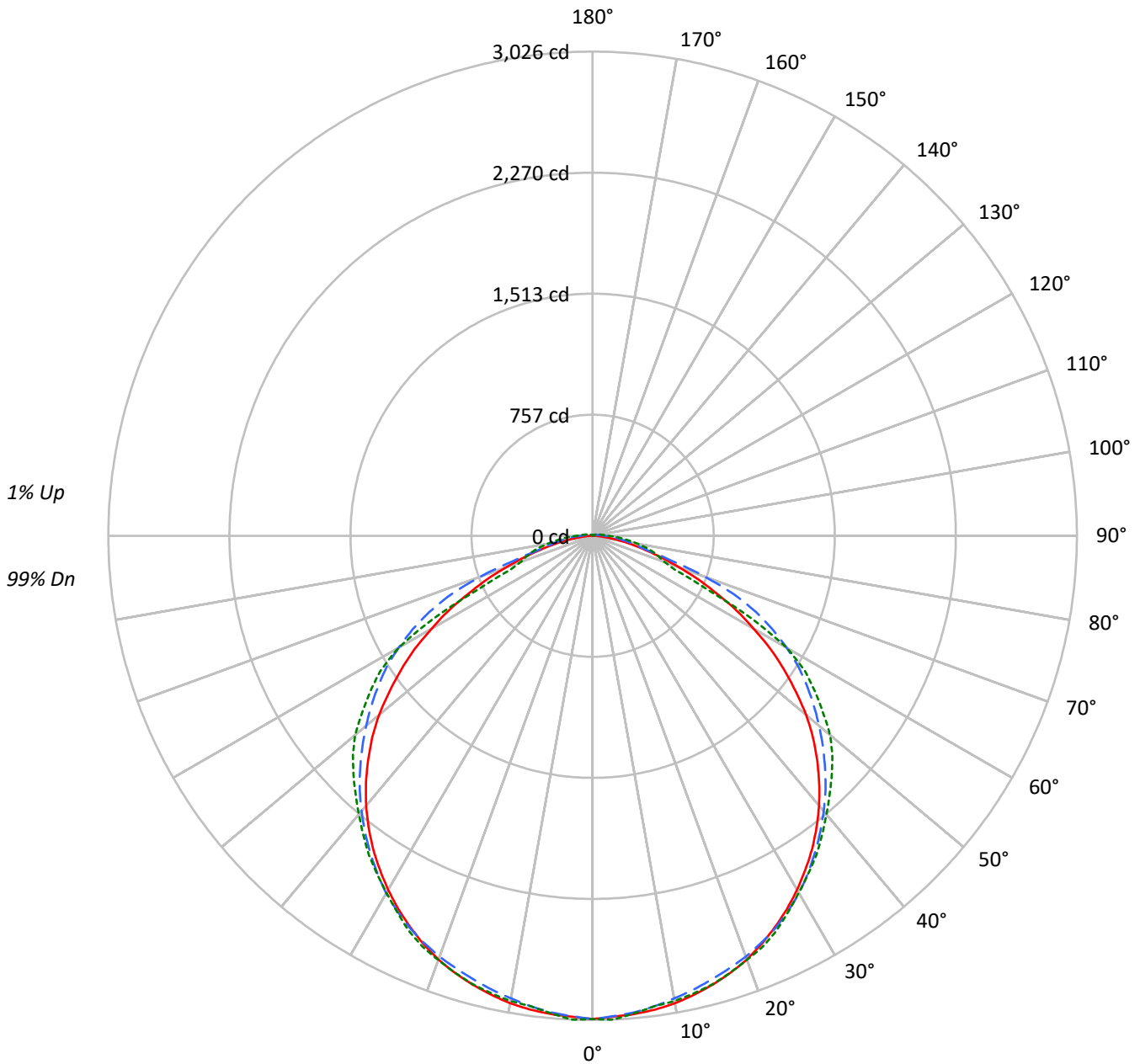
Lumens per Lamp: N/A
Luminaire Lumens: 8537.0 lumens
Efficiency: N/A
Efficacy: 164.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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	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°	5159	5159	5159
5°	5125	5082	5091
10°	5106	5002	5032
15°	5074	4943	4995
20°	5041	4904	4947
25°	4981	4865	4900
30°	4915	4805	4803
35°	4835	4711	4749
40°	4733	4614	4675
45°	4590	4502	4640
50°	4397	4375	4597
55°	4090	4249	4420
60°	3688	4067	4079
65°	3164	3731	2580
70°	2548	2907	1865
75°	1911	1721	1885
80°	1330	1424	1787
85°	757	1293	1653



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.8	3.3
10°-20°	816.7	9.6
20°-30°	1247.3	14.6
30°-40°	1513.4	17.7
40°-50°	1586.2	18.6
50°-60°	1437.3	16.8
60°-70°	963.7	11.3
70°-80°	432.7	5.1
80°-90°	157.0	1.8
90°-100°	47.3	0.6
100°-110°	22.3	0.3
110°-120°	11.2	0.1
120°-130°	6.2	0.1
130°-140°	4.2	0.0
140°-150°	2.9	0.0
150°-160°	2.1	0.0
160°-170°	1.4	0.0
170°-180°	0.4	0.0
0°-30°	2348.7	27.5
0°-40°	3862.1	45.2
0°-60°	6885.6	80.7
0°-90°	8439.1	98.9
90°-120°	80.7	0.9
90°-150°	94.0	1.1
90°-180°	98.0	1.1
0°-180°	8537.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3020	3020	3020	3020	3020	
5°	3001	3011	2990	2999	2996	285
15°	2903	2892	2872	2897	2900	820
25°	2697	2685	2704	2729	2721	1243
35°	2391	2396	2421	2446	2437	1494
45°	1984	2016	2054	2106	2113	1528
55°	1460	1530	1635	1700	1696	1303
65°	857	991	1125	949	775	854
75°	337	489	360	368	392	368
85°	58	111	143	172	181	71
90°	0	37	74	93	97	3
95°	0	23	51	62	63	1
105°	2	10	25	30	31	2
115°	4	5	13	16	17	3
125°	3	4	8	9	10	3
135°	4	4	5	7	7	3
145°	4	4	4	5	5	3
155°	4	5	5	5	4	2
165°	5	5	5	5	5	1
175°	5	5	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°	3020.4	3020.4	3020.4	3020.4	3020.4
2.5°	3008.2	3020.8	3005.1	3022.1	3026.5
5°	3000.7	3011.2	2990.3	2999.4	2995.5
7.5°	2987.2	2990.7	2965.8	2973.2	2965.4
10°	2967.1	2965.4	2936.1	2950.5	2952.3
12.5°	2937.4	2932.2	2906.0	2927.8	2928.2
15°	2903.4	2892.0	2871.5	2896.8	2900.3
17.5°	2864.0	2849.2	2835.7	2868.4	2863.2
20°	2818.2	2800.7	2798.1	2833.9	2820.8
22.5°	2761.4	2747.9	2754.0	2788.1	2779.8
25°	2697.2	2685.4	2704.2	2729.1	2721.2
27.5°	2629.5	2622.5	2643.9	2663.2	2647.9
30°	2555.3	2551.4	2579.7	2595.5	2576.2
32.5°	2474.5	2475.8	2502.9	2524.3	2506.4
35°	2390.6	2396.3	2420.8	2446.5	2436.9
37.5°	2298.5	2311.2	2335.6	2364.9	2354.8
40°	2201.1	2219.4	2246.5	2281.9	2272.7
42.5°	2095.8	2119.0	2153.9	2193.2	2192.4
45°	1984.0	2016.4	2053.9	2106.3	2112.9
47.5°	1867.9	1904.1	1951.7	2021.6	2031.6
50°	1741.7	1787.1	1846.5	1930.3	1936.4
52.5°	1601.0	1663.1	1741.7	1822.0	1814.6
55°	1460.0	1530.3	1634.7	1700.2	1696.2
57.5°	1319.3	1398.4	1525.0	1571.8	1571.3
60°	1162.1	1262.1	1400.6	1436.0	1401.0
62.5°	1016.7	1124.1	1267.8	1242.0	1122.4
65°	856.9	990.9	1125.0	949.4	775.2
67.5°	714.9	854.7	955.6	650.3	556.8
70°	572.1	726.3	745.1	482.6	476.0
72.5°	445.5	609.7	514.0	413.1	434.1
75°	337.2	489.1	359.9	368.2	392.2
77.5°	245.9	375.6	279.9	322.7	342.4
80°	169.0	266.0	228.4	271.2	284.7
82.5°	106.1	175.6	183.0	218.4	232.3
85°	58.1	111.4	142.8	172.5	180.8
87.5°	24.0	67.3	109.2	133.2	140.2
90°	0.4	37.1	73.8	92.6	97.0
92.5°	0.4	28.4	60.3	74.7	77.7
95°	0.4	23.1	50.7	61.6	63.3
97.5°	0.9	18.3	42.4	51.1	52.8
100°	1.3	15.3	35.4	42.8	44.1
102.5°	1.7	12.2	29.7	35.8	37.1
105°	1.7	10.0	24.9	30.1	31.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	6.1	14.8	18.8	19.7
115°	3.5	5.2	12.7	16.2	17.0
117.5°	3.5	4.4	10.9	13.5	14.4
120°	3.5	3.9	9.6	11.8	12.2
122.5°	3.5	3.5	8.3	10.5	10.9
125°	3.1	3.5	7.9	9.2	9.6
127.5°	3.5	3.5	7.0	8.3	8.7
130°	3.5	3.9	6.1	7.9	7.9
132.5°	3.9	4.4	5.7	7.4	7.4
135°	3.9	4.4	4.8	7.0	7.4
137.5°	4.4	4.4	4.4	6.6	7.0
140°	4.4	4.4	3.9	5.7	6.1
142.5°	3.9	4.4	3.9	5.2	5.7
145°	3.9	4.4	4.4	4.8	5.2
147.5°	4.4	4.4	4.4	4.4	4.8
150°	4.4	4.4	4.4	4.4	4.4
152.5°	4.4	4.4	4.4	4.4	4.4
155°	4.4	4.8	4.8	4.8	4.4
157.5°	4.4	4.8	4.8	4.8	4.8
160°	4.4	4.8	4.8	4.8	4.8
162.5°	4.8	4.8	4.8	4.8	4.8
165°	4.8	4.8	4.8	4.8	4.8
167.5°	4.8	5.2	4.8	4.8	4.8
170°	4.8	4.8	4.8	4.4	4.4
172.5°	4.8	4.8	4.8	4.4	4.4
175°	4.8	4.8	4.4	3.9	3.9
177.5°	5.2	4.8	4.4	3.9	3.5
180°	4.4	4.4	4.4	4.4	4.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.2	8.3	21.4	25.8	26.6
110°	2.6	7.0	17.9	21.8	22.7



(END OF REPORT)