

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: P830887

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830887
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-L830-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

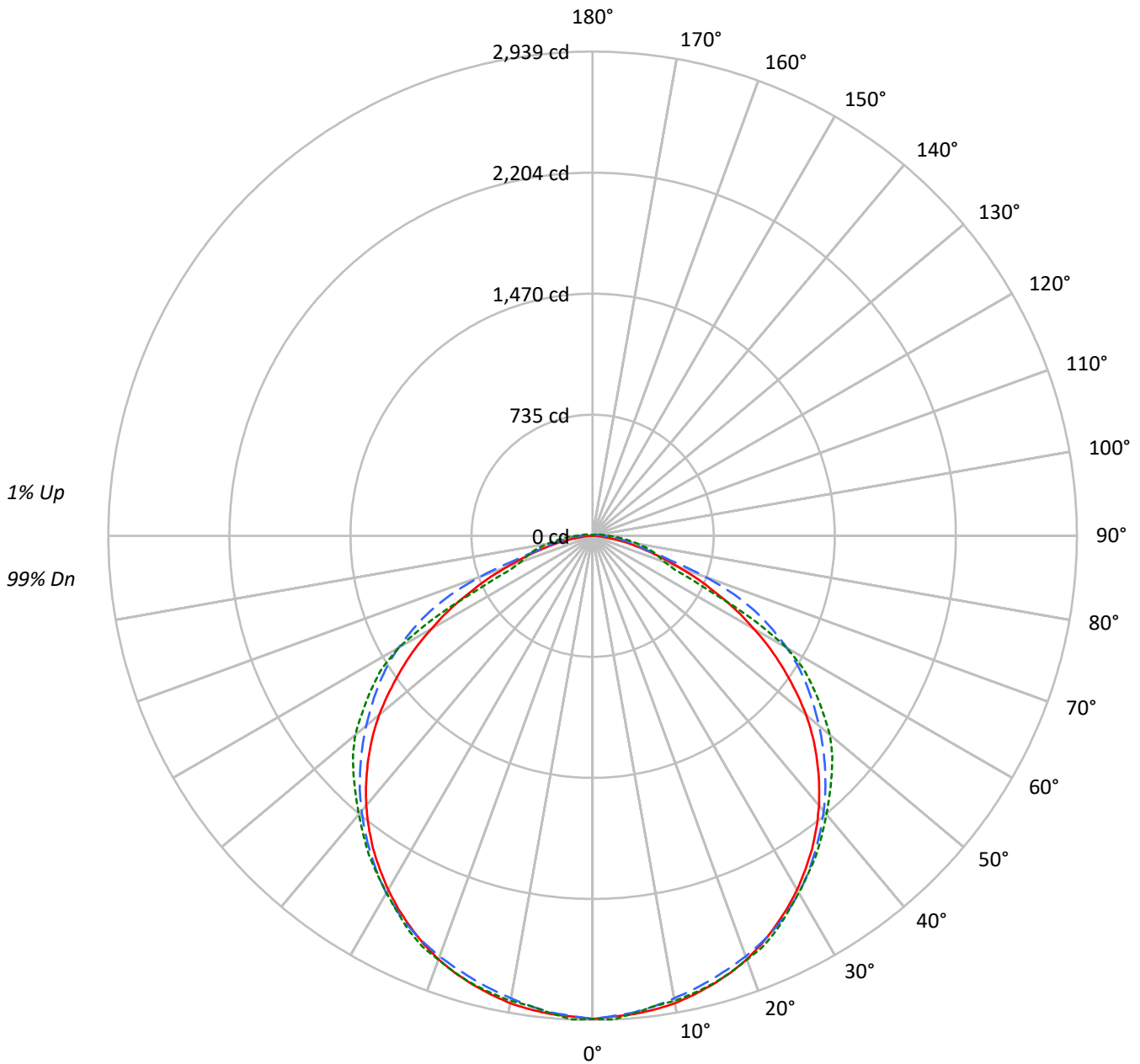
Lumens per Lamp: N/A
Luminaire Lumens: 8289.0 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	5009	5009	5009
5°	4976	4934	4943
10°	4958	4857	4885
15°	4926	4799	4849
20°	4895	4761	4803
25°	4836	4724	4757
30°	4772	4666	4664
35°	4695	4574	4611
40°	4595	4480	4539
45°	4457	4372	4505
50°	4269	4248	4464
55°	3971	4126	4291
60°	3581	3949	3961
65°	3072	3623	2505
70°	2474	2822	1811
75°	1855	1670	1830
80°	1291	1383	1735
85°	735	1256	1606



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.5	3.3
10°-20°	792.9	9.6
20°-30°	1211.1	14.6
30°-40°	1469.4	17.7
40°-50°	1540.1	18.6
50°-60°	1395.6	16.8
60°-70°	935.7	11.3
70°-80°	420.2	5.1
80°-90°	152.5	1.8
90°-100°	45.9	0.6
100°-110°	21.7	0.3
110°-120°	10.8	0.1
120°-130°	6.0	0.1
130°-140°	4.1	0.0
140°-150°	2.8	0.0
150°-160°	2.1	0.0
160°-170°	1.3	0.0
170°-180°	0.4	0.0
0°-30°	2280.5	27.5
0°-40°	3750.0	45.2
0°-60°	6685.6	80.7
0°-90°	8193.9	98.9
90°-120°	78.4	0.9
90°-150°	91.2	1.1
90°-180°	95.0	1.1
0°-180°	8289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2933	2933	2933	2933	2933	
5°	2914	2924	2903	2912	2908	277
15°	2819	2808	2788	2813	2816	796
25°	2619	2607	2626	2650	2642	1207
35°	2321	2327	2350	2376	2366	1451
45°	1926	1958	1994	2045	2052	1484
55°	1418	1486	1587	1651	1647	1265
65°	832	962	1092	922	753	829
75°	327	475	349	358	381	358
85°	56	108	139	168	176	69
90°	0	36	72	90	94	3
95°	0	22	49	60	62	1
105°	2	10	24	29	30	2
115°	3	5	12	16	16	3
125°	3	3	8	9	9	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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CATALOG NUMBER: OHBL-9HE-A-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2932.7	2932.7	2932.7	2932.7	2932.7
2.5°	2920.8	2933.1	2917.8	2934.4	2938.6
5°	2913.6	2923.8	2903.4	2912.3	2908.5
7.5°	2900.4	2903.8	2879.7	2886.9	2879.2
10°	2880.9	2879.2	2850.8	2864.8	2866.5
12.5°	2852.1	2847.0	2821.6	2842.8	2843.2
15°	2819.0	2808.0	2788.1	2812.7	2816.0
17.5°	2780.8	2766.4	2753.3	2785.1	2780.0
20°	2736.3	2719.4	2716.8	2751.6	2738.9
22.5°	2681.2	2668.1	2674.0	2707.1	2699.0
25°	2618.9	2607.4	2625.7	2649.8	2642.2
27.5°	2553.1	2546.4	2567.1	2585.8	2570.9
30°	2481.1	2477.2	2504.8	2520.1	2501.4
32.5°	2402.6	2403.9	2430.2	2450.9	2433.6
35°	2321.2	2326.7	2350.4	2375.5	2366.1
37.5°	2231.7	2244.0	2267.8	2296.2	2286.4
40°	2137.2	2155.0	2181.3	2215.6	2206.7
42.5°	2035.0	2057.4	2091.4	2129.5	2128.7
45°	1926.4	1957.8	1994.3	2045.1	2051.5
47.5°	1813.6	1848.8	1895.0	1962.9	1972.6
50°	1691.1	1735.2	1792.8	1874.3	1880.2
52.5°	1554.5	1614.7	1691.1	1769.1	1761.9
55°	1417.6	1485.8	1587.2	1650.8	1647.0
57.5°	1281.0	1357.8	1480.7	1526.1	1525.7
60°	1128.4	1225.5	1359.9	1394.2	1360.3
62.5°	987.2	1091.5	1231.0	1206.0	1089.8
65°	832.0	962.1	1092.3	921.9	752.7
67.5°	694.2	829.8	927.8	631.4	540.6
70°	555.5	705.2	723.4	468.6	462.2
72.5°	432.5	592.0	499.1	401.1	421.5
75°	327.4	474.9	349.4	357.5	380.8
77.5°	238.7	364.7	271.8	313.4	332.4
80°	164.1	258.2	221.8	263.3	276.5
82.5°	103.0	170.5	177.7	212.0	225.6
85°	56.4	108.1	138.7	167.5	175.6
87.5°	23.3	65.3	106.0	129.3	136.1
90°	0.4	36.0	71.7	89.9	94.1
92.5°	0.4	27.6	58.5	72.5	75.5
95°	0.4	22.5	49.2	59.8	61.5
97.5°	0.8	17.8	41.1	49.6	51.3
100°	1.3	14.8	34.3	41.6	42.8
102.5°	1.7	11.9	28.8	34.8	36.0
105°	1.7	9.8	24.2	29.3	30.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	5.9	14.4	18.2	19.1
115°	3.4	5.1	12.3	15.7	16.5
117.5°	3.4	4.2	10.6	13.1	14.0
120°	3.4	3.8	9.3	11.4	11.9
122.5°	3.4	3.4	8.1	10.2	10.6
125°	3.0	3.4	7.6	8.9	9.3
127.5°	3.4	3.4	6.8	8.1	8.5
130°	3.4	3.8	5.9	7.6	7.6
132.5°	3.8	4.2	5.5	7.2	7.2
135°	3.8	4.2	4.7	6.8	7.2
137.5°	4.2	4.2	4.2	6.4	6.8
140°	4.2	4.2	3.8	5.5	5.9
142.5°	3.8	4.2	3.8	5.1	5.5
145°	3.8	4.2	4.2	4.7	5.1
147.5°	4.2	4.2	4.2	4.2	4.7
150°	4.2	4.2	4.2	4.2	4.2
152.5°	4.2	4.2	4.2	4.2	4.2
155°	4.2	4.7	4.7	4.7	4.2
157.5°	4.2	4.7	4.7	4.7	4.7
160°	4.2	4.7	4.7	4.7	4.7
162.5°	4.7	4.7	4.7	4.7	4.7
165°	4.7	4.7	4.7	4.7	4.7
167.5°	4.7	5.1	4.7	4.7	4.7
170°	4.7	4.7	4.7	4.2	4.2
172.5°	4.7	4.7	4.7	4.2	4.2
175°	4.7	4.7	4.2	3.8	3.8
177.5°	5.1	4.7	4.2	3.8	3.4
180°	4.2	4.2	4.2	4.2	4.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.1	8.1	20.8	25.0	25.9
110°	2.5	6.8	17.4	21.2	22.1



(END OF REPORT)