

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: P830912

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830912  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-9HE-MFL-UNV-L835-CD  
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

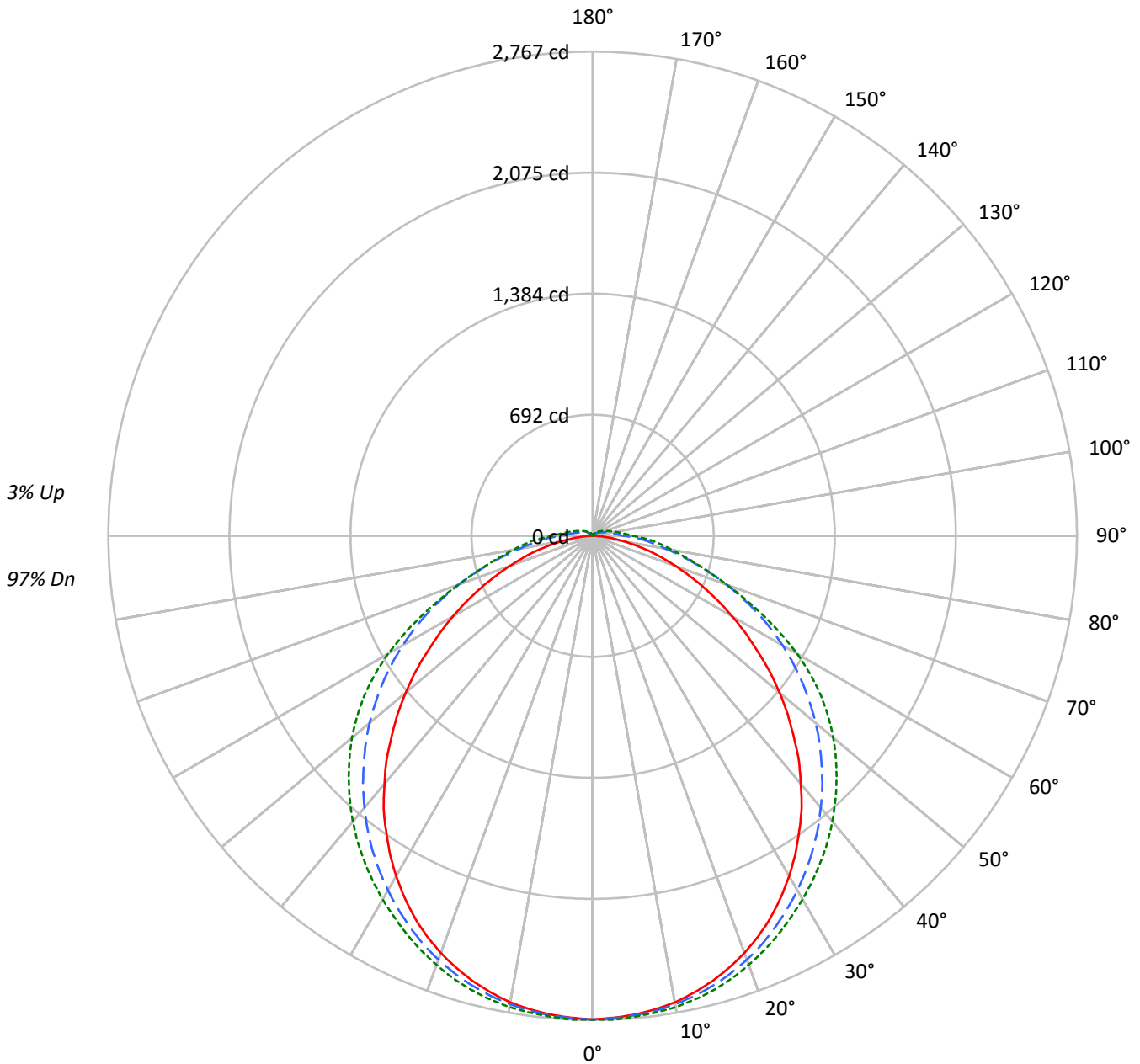
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8274.0 lumens  
Efficiency: N/A  
Efficacy: 159.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
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<sub>in</sub>): 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				20				
RC	80				70				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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4722	4722	4722
5°	4692	4675	4688
10°	4659	4632	4661
15°	4607	4580	4626
20°	4538	4518	4576
25°	4445	4441	4525
30°	4318	4357	4473
35°	4163	4268	4429
40°	3977	4165	4384
45°	3758	4054	4328
50°	3519	3941	4260
55°	3224	3803	4148
60°	2923	3640	3930
65°	2593	3433	3575
70°	2236	3170	3191
75°	1875	2866	2926
80°	1422	2641	2883
85°	899	2720	3180



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.0	3.2
10°-20°	751.5	9.1
20°-30°	1136.6	13.7
30°-40°	1364.4	16.5
40°-50°	1409.3	17.0
50°-60°	1267.9	15.3
60°-70°	955.1	11.5
70°-80°	576.7	7.0
80°-90°	282.1	3.4
90°-100°	118.7	1.4
100°-110°	67.8	0.8
110°-120°	39.8	0.5
120°-130°	22.5	0.3
130°-140°	11.8	0.1
140°-150°	5.8	0.1
150°-160°	2.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2150.0	26.0
0°-40°	3514.5	42.5
0°-60°	6191.6	74.8
0°-90°	8005.5	96.8
90°-120°	226.3	2.7
90°-150°	266.4	3.2
90°-180°	269.0	3.3
0°-180°	8274.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2765	2765	2765	2765	2765	
5°	2747	2754	2751	2762	2758	261
15°	2636	2649	2661	2683	2686	743
25°	2407	2434	2468	2507	2513	1107
35°	2058	2106	2193	2259	2273	1287
45°	1624	1706	1849	1950	1971	1254
55°	1151	1270	1463	1573	1592	1032
65°	702	846	1035	1087	1074	698
75°	331	475	600	615	609	353
85°	69	182	300	342	348	80
90°	0	71	172	216	225	4
95°	3	48	129	164	170	3
105°	5	28	74	97	102	5
115°	5	16	46	62	64	6
125°	5	7	28	40	42	5
135°	5	6	14	24	27	4
145°	7	6	7	12	14	4
155°	7	7	7	6	7	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2764.6	2764.6	2764.6	2764.6	2764.6
2.5°	2756.5	2763.3	2759.2	2768.0	2767.3
5°	2747.0	2754.5	2751.1	2761.9	2758.5
7.5°	2730.8	2738.9	2738.2	2750.4	2749.0
10°	2707.1	2715.9	2718.6	2734.8	2734.8
12.5°	2674.6	2686.1	2692.9	2712.5	2713.2
15°	2636.1	2648.9	2661.1	2683.4	2686.1
17.5°	2589.4	2605.6	2622.5	2648.2	2651.6
20°	2536.6	2554.9	2577.9	2604.9	2609.0
22.5°	2475.7	2497.3	2527.1	2558.9	2563.7
25°	2407.4	2433.7	2468.3	2506.8	2512.9
27.5°	2329.5	2360.0	2406.7	2450.0	2455.4
30°	2245.0	2280.8	2339.0	2390.4	2399.2
32.5°	2155.7	2196.9	2268.7	2326.2	2338.3
35°	2058.2	2106.3	2192.9	2259.2	2272.7
37.5°	1962.2	2014.9	2113.0	2188.8	2205.1
40°	1849.8	1915.5	2027.8	2111.7	2131.3
42.5°	1744.3	1815.3	1942.5	2033.9	2052.8
45°	1624.5	1706.4	1849.2	1950.0	1970.9
47.5°	1512.2	1600.8	1759.2	1863.4	1885.0
50°	1393.8	1491.2	1663.1	1772.0	1794.4
52.5°	1275.4	1380.3	1563.6	1676.6	1697.6
55°	1150.9	1270.0	1462.8	1573.1	1592.1
57.5°	1035.2	1161.1	1359.3	1464.2	1475.7
60°	920.9	1051.4	1253.7	1345.8	1349.8
62.5°	809.2	946.6	1145.5	1218.6	1213.2
65°	702.3	845.8	1035.2	1086.6	1074.4
67.5°	599.5	747.6	922.2	955.4	939.1
70°	502.0	652.2	812.6	829.5	814.6
72.5°	416.1	561.6	701.6	715.8	705.0
75°	330.9	475.0	599.5	615.0	608.9
77.5°	251.0	391.1	505.4	525.7	527.1
80°	180.7	314.6	423.6	455.4	459.4
82.5°	119.1	244.3	355.2	395.8	401.9
85°	69.0	182.0	300.4	341.7	347.8
87.5°	29.8	131.3	241.5	278.8	286.2
90°	0.0	71.0	171.9	216.5	225.3
92.5°	2.0	58.9	147.5	188.1	195.5
95°	3.4	48.0	128.6	163.7	169.8
97.5°	4.1	40.6	111.6	142.8	148.9
100°	4.1	35.2	96.8	125.2	130.6
102.5°	4.1	31.1	84.6	109.6	114.3
105°	4.7	27.7	74.4	97.4	101.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.4	18.3	51.4	69.0	71.7
115°	5.4	15.6	46.0	61.6	64.3
117.5°	6.1	13.5	40.6	55.5	57.5
120°	6.1	11.5	35.9	49.4	52.1
122.5°	6.1	9.5	31.8	44.7	46.7
125°	5.4	7.4	27.7	39.9	41.9
127.5°	4.7	6.1	23.7	35.9	37.9
130°	4.7	5.4	20.3	31.8	33.8
132.5°	4.7	6.1	16.9	27.7	30.4
135°	4.7	6.1	14.2	24.4	27.1
137.5°	4.7	6.1	11.5	21.0	23.7
140°	5.4	6.1	9.5	17.6	20.3
142.5°	6.1	6.1	7.4	14.9	16.9
145°	6.8	6.1	6.8	12.2	14.2
147.5°	6.8	6.8	6.8	9.5	11.5
150°	6.8	7.4	6.8	7.4	9.5
152.5°	6.8	7.4	6.8	6.1	7.4
155°	6.8	7.4	6.8	6.1	6.8
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°	4.7	24.4	65.6	86.6	90.0
110°	4.7	21.7	58.2	77.1	80.5



(END OF REPORT)