

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: P830768

Luminaire Tested: **OHBL-72SE-MFL-UNV-L835-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830768  
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-72SE-MFL-UNV-L835-CD  
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

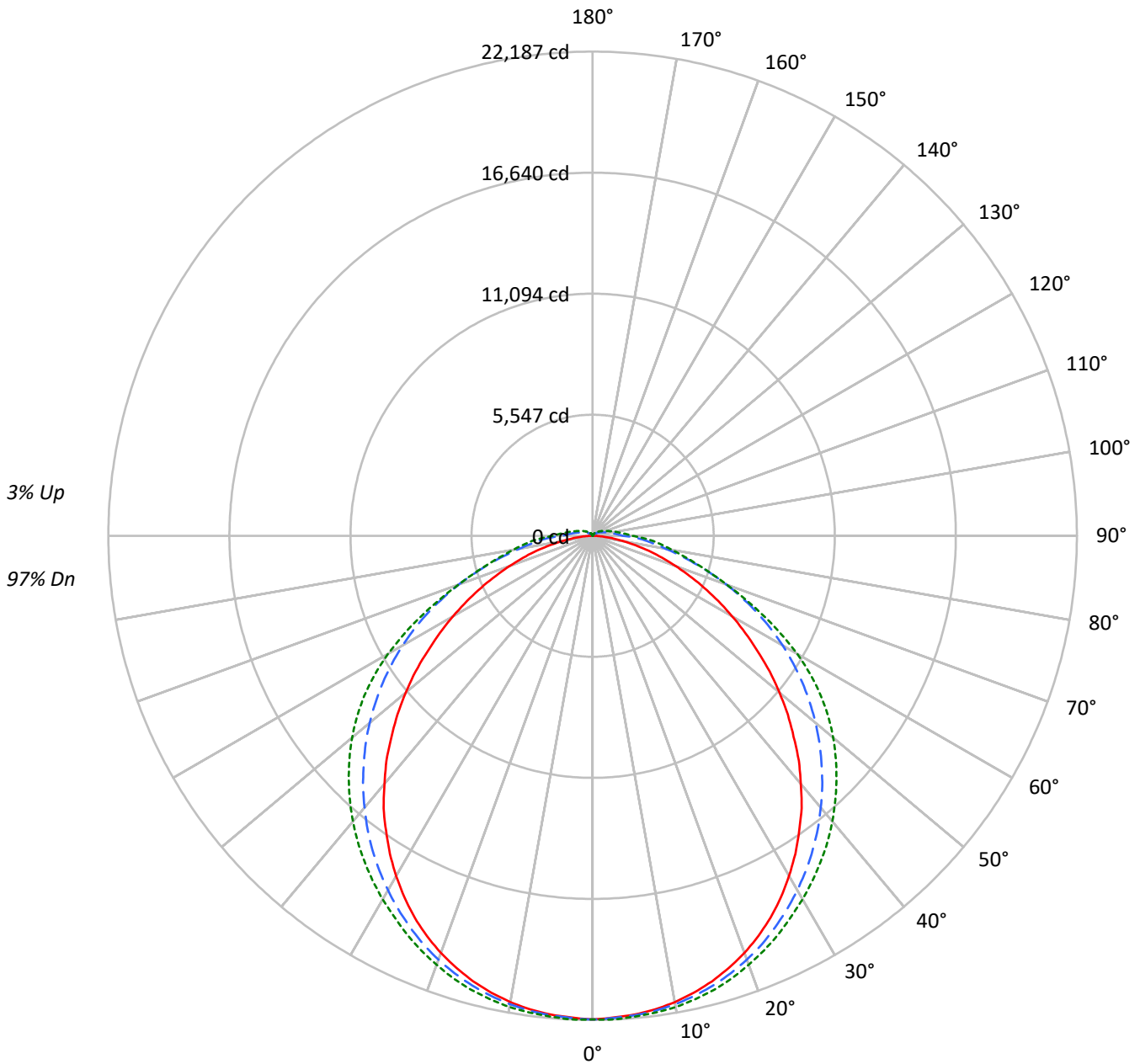
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 66338.0 lumens  
Efficiency: N/A  
Efficacy: 160.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 413.7  
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°	35054	35054	35054
5°	34830	34722	34829
10°	34586	34416	34646
15°	34199	34050	34407
20°	33687	33602	34056
25°	33002	33043	33701
30°	32053	32436	33345
35°	30906	31792	33037
40°	29527	31046	32734
45°	27901	30236	32347
50°	26122	29418	31877
55°	23935	28415	31083
60°	21696	27235	29499
65°	19251	25726	26895
70°	16601	23804	24075
75°	13919	21583	22170
80°	10553	19977	21994
85°	6676	20764	24578



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2100.3	3.2
10°-20°	6025.5	9.1
20°-30°	9112.5	13.7
30°-40°	10939.6	16.5
40°-50°	11298.9	17.0
50°-60°	10165.5	15.3
60°-70°	7657.5	11.5
70°-80°	4623.8	7.0
80°-90°	2261.4	3.4
90°-100°	951.9	1.4
100°-110°	543.4	0.8
110°-120°	319.0	0.5
120°-130°	180.4	0.3
130°-140°	95.0	0.1
140°-150°	46.2	0.1
150°-160°	17.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	17238.3	26.0
0°-40°	28177.9	42.5
0°-60°	49642.3	74.8
0°-90°	64185.0	96.8
90°-120°	1814.2	2.7
90°-150°	2135.8	3.2
90°-180°	2153.0	3.2
0°-180°	66338.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	22166	22166	22166	22166	22166	
5°	22025	22084	22057	22144	22117	###
15°	21135	21238	21336	21515	21536	5959
25°	19301	19513	19790	20099	20148	8878
35°	16502	16887	17582	18113	18222	10316
45°	13025	13681	14826	15634	15802	10056
55°	9228	10182	11728	12613	12764	8273
65°	5631	6781	8300	8712	8614	5594
75°	2653	3808	4806	4931	4882	2830
85°	553	1459	2409	2740	2788	639
90°	0	570	1378	1736	1806	35
95°	27	385	1031	1313	1362	23
105°	38	222	597	781	814	38
115°	43	125	369	494	515	44
125°	43	60	222	320	336	39
135°	38	49	114	195	217	30
145°	54	49	54	98	114	32
155°	54	60	54	49	54	17
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°	22165.6	22165.6	22165.6	22165.6	22165.6
2.5°	22100.5	22154.8	22122.2	22192.8	22187.3
5°	22024.6	22084.3	22057.1	22143.9	22116.8
7.5°	21894.4	21959.5	21954.1	22051.7	22040.9
10°	21704.5	21775.1	21796.8	21926.9	21926.9
12.5°	21444.1	21536.4	21590.6	21747.9	21753.4
15°	21134.9	21238.0	21335.6	21514.7	21536.4
17.5°	20760.6	20890.8	21026.4	21232.6	21259.7
20°	20337.5	20484.0	20668.4	20885.4	20917.9
22.5°	19849.3	20022.8	20261.5	20516.5	20554.5
25°	19301.4	19512.9	19789.6	20098.8	20147.6
27.5°	18677.5	18921.6	19295.9	19643.1	19686.5
30°	17999.4	18286.9	18753.5	19165.7	19236.3
32.5°	17283.3	17614.2	18189.3	18650.4	18748.0
35°	16502.2	16887.3	17581.7	18113.3	18221.8
37.5°	15731.9	16155.0	16941.6	17549.2	17679.3
40°	14831.3	15357.5	16258.1	16930.7	17088.0
42.5°	13985.1	14554.7	15574.5	16306.9	16458.8
45°	13024.9	13681.3	14825.9	15634.2	15802.4
47.5°	12124.4	12835.0	14104.4	14939.8	15113.4
50°	11175.0	11956.2	13334.1	14207.5	14386.5
52.5°	10225.7	11066.5	12536.7	13442.6	13610.8
55°	9227.5	10182.3	11728.4	12612.6	12764.5
57.5°	8299.9	9308.9	10898.4	11739.2	11831.4
60°	7383.1	8430.1	10052.1	10789.9	10822.4
62.5°	6488.0	7589.3	9184.1	9770.0	9726.6
65°	5630.9	6781.0	8299.9	8712.2	8614.5
67.5°	4806.4	5994.4	7394.0	7659.8	7529.6
70°	4025.2	5229.5	6515.2	6650.8	6531.4
72.5°	3336.2	4502.6	5625.5	5739.4	5652.6
75°	2652.7	3808.2	4806.4	4931.1	4882.3
77.5°	2012.6	3135.5	4052.3	4215.1	4225.9
80°	1448.4	2522.5	3395.9	3650.9	3683.4
82.5°	954.8	1958.3	2848.0	3173.5	3222.3
85°	553.3	1459.3	2408.6	2739.5	2788.3
87.5°	238.7	1052.4	1936.6	2235.0	2294.7
90°	0.0	569.6	1377.9	1735.9	1806.5
92.5°	16.3	472.0	1182.6	1508.1	1567.8
95°	27.1	385.2	1030.7	1312.8	1361.6
97.5°	32.5	325.5	895.1	1144.6	1193.5
100°	32.5	282.1	775.7	1003.6	1047.0
102.5°	32.5	249.5	678.1	878.8	916.8
105°	38.0	222.4	596.7	781.2	813.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	43.4	146.5	412.3	553.3	575.0
115°	43.4	124.8	368.9	493.7	515.4
117.5°	48.8	108.5	325.5	444.8	461.1
120°	48.8	92.2	287.5	396.0	417.7
122.5°	48.8	75.9	255.0	358.0	374.3
125°	43.4	59.7	222.4	320.1	336.3
127.5°	38.0	48.8	189.9	287.5	303.8
130°	38.0	43.4	162.7	255.0	271.2
132.5°	38.0	48.8	135.6	222.4	244.1
135°	38.0	48.8	113.9	195.3	217.0
137.5°	38.0	48.8	92.2	168.2	189.9
140°	43.4	48.8	75.9	141.0	162.7
142.5°	48.8	48.8	59.7	119.3	135.6
145°	54.2	48.8	54.2	97.6	113.9
147.5°	54.2	54.2	54.2	75.9	92.2
150°	54.2	59.7	54.2	59.7	75.9
152.5°	54.2	59.7	54.2	48.8	59.7
155°	54.2	59.7	54.2	48.8	54.2
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°	38.0	195.3	526.2	694.4	721.5
110°	38.0	173.6	466.5	618.4	645.5



(END OF REPORT)