

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: P830780

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

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830780  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-72SE-N-UNV-L835-CD  
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS  
Light Source: -  
Ballast/Driver: -

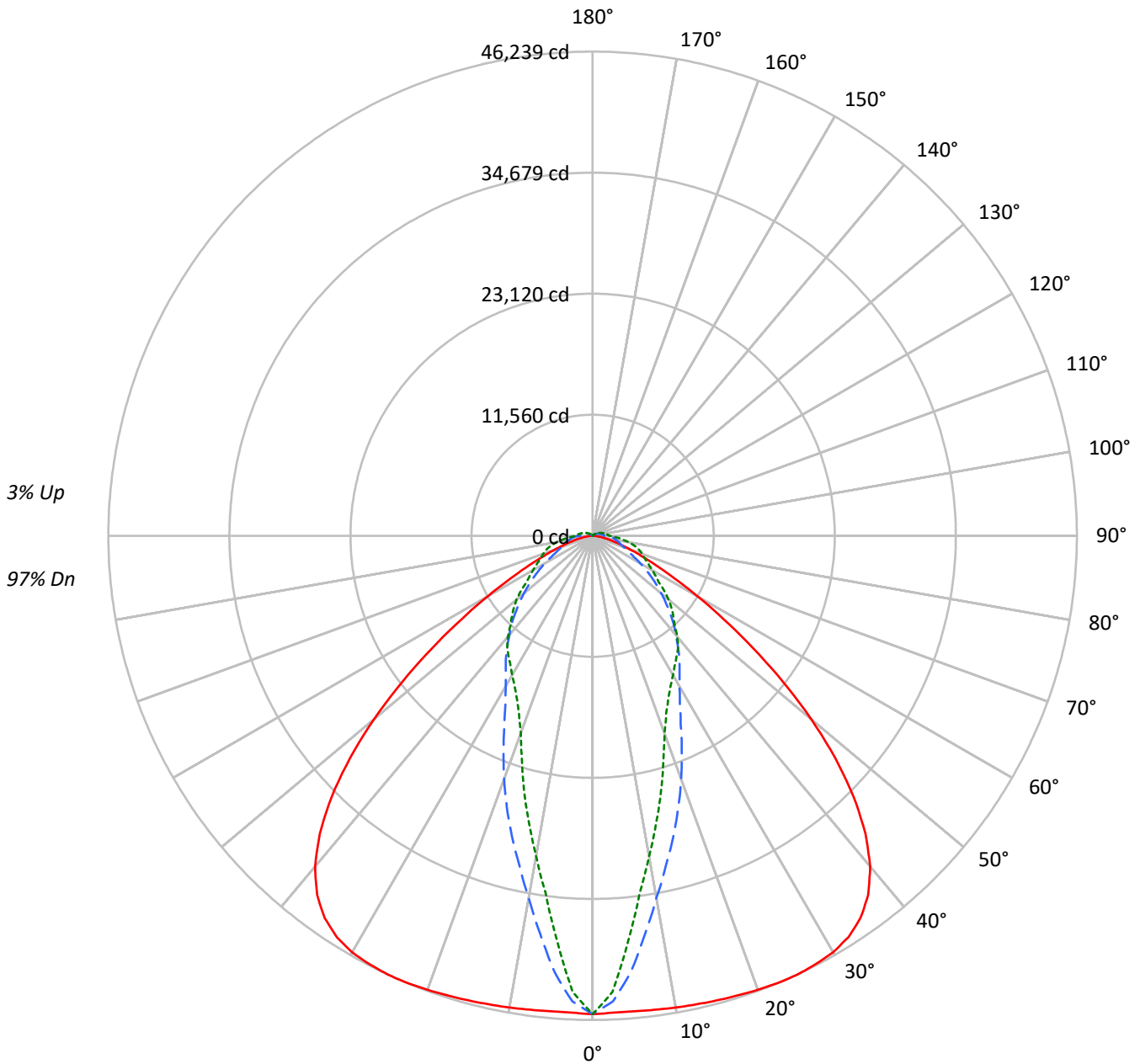
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 67417.0 lumens  
Efficiency: N/A  
Efficacy: 163.0 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
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 (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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

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

	0°	45°	90°
0°	72240	72240	72240
5°	72093	65817	61205
10°	72906	55465	49108
15°	74330	47457	40333
20°	76418	40146	32644
25°	79061	33246	28623
30°	81794	28656	26610
35°	83496	26131	25373
40°	82067	23619	24093
45°	75498	21359	22328
50°	63697	18885	20981
55°	48400	16558	18696
60°	33918	14217	17929
65°	22815	12263	17590
70°	15581	11532	18509
75°	10813	11928	19860
80°	7443	13273	20586
85°	4353	16753	21881



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3845.2	5.7
10°-20°	9045.6	13.4
20°-30°	11338.5	16.8
30°-40°	12031.4	17.8
40°-50°	10878.3	16.1
50°-60°	7887.5	11.7
60°-70°	4949.8	7.3
70°-80°	3275.6	4.9
80°-90°	1887.1	2.8
90°-100°	914.2	1.4
100°-110°	631.0	0.9
110°-120°	389.4	0.6
120°-130°	188.6	0.3
130°-140°	86.7	0.1
140°-150°	47.4	0.1
150°-160°	20.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	24229.2	35.9
0°-40°	36260.7	53.8
0°-60°	55026.5	81.6
0°-90°	65139.0	96.6
90°-120°	1934.6	2.9
90°-150°	2257.4	3.3
90°-180°	2278.0	3.4
0°-180°	67417.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	45679	45679	45679	45679	45679	
5°	45587	44418	41809	39870	38866	###
15°	45935	37440	29736	26446	25246	13027
25°	46239	28950	19911	17672	17112	21362
35°	44583	19246	14451	13999	13994	27715
45°	35245	12190	10473	10725	10908	26849
55°	18659	7556	6834	7412	7678	16859
65°	6673	4382	3956	5069	5634	6944
75°	2061	2361	2656	4126	4374	2297
85°	361	978	1943	2704	2482	433
90°	0	409	1126	1587	1600	23
95°	17	287	991	1348	1409	15
105°	35	191	722	956	982	35
115°	48	135	487	609	622	47
125°	52	70	248	313	309	45
135°	44	52	109	170	170	34
145°	52	56	65	100	96	31
155°	52	65	70	74	65	16
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°	45678.6	45678.6	45678.6	45678.6	45678.6
2.5°	45583.0	45322.1	44509.1	44013.5	43596.2
5°	45587.3	44417.9	41809.4	39870.4	38866.2
7.5°	45652.5	43052.8	38353.2	35523.0	34418.7
10°	45752.5	41361.6	35127.4	32110.2	31079.9
12.5°	45826.4	39457.4	32288.5	29188.8	28058.4
15°	45935.1	37440.2	29736.5	26445.5	25245.6
17.5°	46035.1	35540.4	27215.0	23776.2	22441.5
20°	46135.1	33492.7	24693.5	21150.3	20050.4
22.5°	46230.7	31332.0	22232.8	19111.4	18359.3
25°	46239.4	28949.6	19911.3	17672.4	17111.5
27.5°	46126.4	26480.3	18028.9	16468.1	16120.3
30°	45930.8	24084.8	16568.1	15598.6	15350.8
32.5°	45443.9	21641.6	15437.8	14759.6	14616.1
35°	44583.1	19246.1	14450.9	13998.8	13994.4
37.5°	43226.7	17120.2	13381.4	13303.2	13398.8
40°	41222.5	15259.5	12368.5	12577.2	12577.2
42.5°	38548.8	13642.3	11451.2	11664.2	11607.7
45°	35244.7	12190.2	10473.0	10725.1	10907.7
47.5°	31414.6	10912.1	9473.1	9960.0	10212.2
50°	27249.8	9694.8	8560.1	9181.8	9468.7
52.5°	22885.0	8568.8	7668.9	8381.9	8612.3
55°	18659.2	7555.9	6834.2	7412.4	7677.6
57.5°	14833.5	6590.7	6016.9	6564.6	7112.4
60°	11542.5	5760.4	5247.4	6029.9	6577.7
62.5°	8816.6	5021.3	4525.7	5530.0	6077.7
65°	6673.3	4382.2	3956.2	5069.1	5634.3
67.5°	5030.0	3830.1	3512.7	4734.4	5286.5
70°	3777.9	3295.4	3156.2	4525.7	5021.3
72.5°	2791.1	2804.1	2873.7	4343.1	4721.3
75°	2060.7	2360.7	2656.3	4125.7	4373.5
77.5°	1473.8	1956.4	2460.7	3864.9	3951.8
80°	1021.6	1595.5	2256.3	3521.4	3447.5
82.5°	639.1	1278.1	2073.7	3143.2	2938.9
85°	360.8	978.2	1943.3	2704.1	2482.4
87.5°	160.9	730.4	1699.9	2108.5	1969.4
90°	0.0	408.7	1126.0	1586.8	1599.9
92.5°	8.7	339.1	1039.0	1452.0	1495.5
95°	17.4	286.9	991.2	1347.7	1408.6
97.5°	21.7	252.2	930.4	1252.1	1304.2
100°	26.1	226.1	856.4	1152.1	1195.5
102.5°	30.4	208.7	786.9	1047.7	1082.5
105°	34.8	191.3	721.7	956.4	982.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	43.5	147.8	543.4	686.9	708.6
115°	47.8	134.8	486.9	608.6	621.7
117.5°	52.2	117.4	426.0	534.7	539.1
120°	52.2	104.3	365.2	456.5	456.5
122.5°	52.2	86.9	304.3	378.2	373.9
125°	52.2	69.6	247.8	313.0	308.7
127.5°	47.8	56.5	200.0	260.8	256.5
130°	47.8	56.5	160.9	221.7	221.7
132.5°	43.5	52.2	130.4	191.3	191.3
135°	43.5	52.2	108.7	169.6	169.6
137.5°	43.5	56.5	91.3	147.8	147.8
140°	43.5	52.2	78.3	130.4	130.4
142.5°	47.8	52.2	69.6	113.0	113.0
145°	52.2	56.5	65.2	100.0	95.6
147.5°	52.2	60.9	65.2	86.9	82.6
150°	52.2	65.2	65.2	78.3	73.9
152.5°	52.2	65.2	65.2	73.9	69.6
155°	52.2	65.2	69.6	73.9	65.2
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°	34.8	178.2	660.8	856.4	886.9
110°	39.1	160.9	604.3	765.2	795.6



(END OF REPORT)