

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: P830744

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830744
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-72SE-A-UNV-L835-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

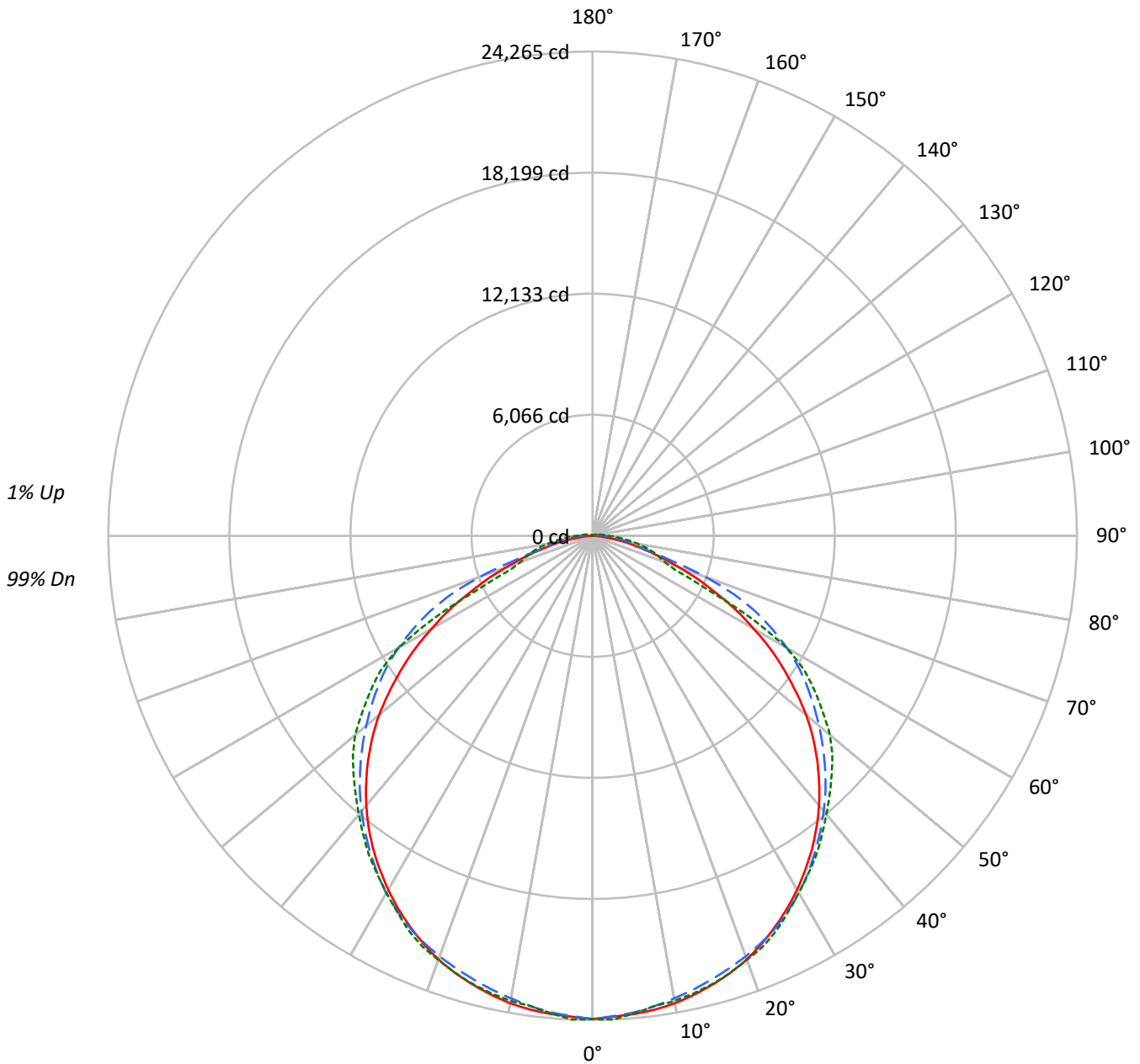
Lumens per Lamp: N/A
Luminaire Lumens: 68444.9 lumens
Efficiency: N/A
Efficacy: 165.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 413.7
Input Voltage (V): NR
Input Current (A_{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°	38297	38297	38297
5°	38046	37740	37820
10°	37907	37169	37400
15°	37666	36741	37149
20°	37426	36472	36820
25°	36974	36201	36495
30°	36483	35773	35804
35°	35896	35095	35423
40°	35132	34394	34905
45°	34074	33583	34675
50°	32641	32661	34401
55°	30362	31753	33117
60°	27379	30424	30617
65°	23487	27957	19403
70°	18918	21825	14068
75°	14183	12956	14278
80°	9873	10772	13632
85°	5619	9871	12778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2283.3	3.3
10°-20°	6547.5	9.6
20°-30°	10000.1	14.6
30°-40°	12133.6	17.7
40°-50°	12717.2	18.6
50°-60°	11523.7	16.8
60°-70°	7726.2	11.3
70°-80°	3469.4	5.1
80°-90°	1259.0	1.8
90°-100°	379.0	0.6
100°-110°	178.8	0.3
110°-120°	89.6	0.1
120°-130°	49.4	0.1
130°-140°	34.0	0.0
140°-150°	22.8	0.0
150°-160°	17.0	0.0
160°-170°	10.9	0.0
170°-180°	3.5	0.0
0°-30°	18831.0	27.5
0°-40°	30964.6	45.2
0°-60°	55205.4	80.7
0°-90°	67660.0	98.9
90°-120°	647.4	0.9
90°-150°	753.6	1.1
90°-180°	785.0	1.1
0°-180°	68444.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24216	24216	24216	24216	24216	
5°	24058	24142	23974	24048	24016	###
15°	23278	23186	23022	23225	23253	6572
25°	21625	21530	21681	21880	21817	9968
35°	19167	19212	19408	19615	19538	11980
45°	15907	16166	16467	16887	16940	12254
55°	11705	12269	13106	13631	13600	10448
65°	6870	7945	9020	7612	6215	6845
75°	2703	3922	2885	2952	3144	2954
85°	466	893	1145	1383	1450	568
90°	4	298	592	742	777	28
95°	4	186	406	494	508	5
105°	14	80	200	242	252	16
115°	28	42	102	130	137	26
125°	24	28	63	74	77	24
135°	32	35	38	56	60	25
145°	32	35	35	38	42	21
155°	35	38	38	38	35	16
165°	38	38	38	38	38	11
175°	38	38	35	32	32	4
180°	35	35	35	35	35	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24215.9	24215.9	24215.9	24215.9	24215.9
2.5°	24117.9	24219.4	24093.3	24229.9	24264.9
5°	24058.3	24142.4	23974.3	24047.8	24016.3
7.5°	23949.8	23977.8	23778.2	23837.7	23774.7
10°	23788.7	23774.7	23540.1	23655.7	23669.7
12.5°	23550.6	23508.6	23298.5	23473.6	23477.1
15°	23277.5	23186.5	23021.9	23225.0	23253.0
17.5°	22962.4	22843.3	22734.8	22997.4	22955.4
20°	22594.7	22454.7	22433.7	22720.8	22615.7
22.5°	22139.6	22031.0	22080.0	22353.1	22286.6
25°	21624.8	21530.3	21680.9	21880.4	21817.4
27.5°	21082.1	21026.1	21197.7	21351.7	21229.2
30°	20486.9	20455.4	20683.0	20809.0	20654.9
32.5°	19839.1	19849.6	20066.7	20238.3	20094.7
35°	19166.8	19212.4	19408.4	19615.0	19538.0
37.5°	18428.0	18529.6	18725.7	18960.3	18879.7
40°	17647.2	17794.3	18011.4	18295.0	18221.4
42.5°	16803.4	16988.9	17269.1	17584.2	17577.2
45°	15907.0	16166.1	16467.2	16887.4	16939.9
47.5°	14975.6	15266.2	15647.9	16208.1	16288.7
50°	13963.7	14327.9	14804.1	15476.3	15525.3
52.5°	12836.2	13333.5	13963.7	14608.0	14548.4
55°	11705.3	12269.0	13105.9	13631.1	13599.6
57.5°	10577.8	11211.6	12227.0	12601.7	12598.1
60°	9317.3	10119.1	11229.1	11512.7	11232.6
62.5°	8151.3	9012.7	10164.7	9958.1	8998.7
65°	6869.8	7944.7	9019.7	7612.1	6215.0
67.5°	5731.8	6852.3	7661.1	5213.6	4464.3
70°	4586.9	5822.9	5973.4	3869.1	3816.6
72.5°	3571.5	4888.0	4121.2	3312.4	3480.4
75°	2703.1	3921.6	2885.2	2951.7	3144.3
77.5°	1971.3	3011.2	2244.4	2587.6	2745.1
80°	1355.1	2132.4	1831.2	2174.4	2282.9
82.5°	850.8	1407.6	1467.1	1750.7	1862.8
85°	465.7	892.9	1145.0	1383.1	1449.6
87.5°	192.6	539.2	875.4	1067.9	1124.0
90°	3.5	297.6	591.7	742.3	777.3
92.5°	3.5	227.6	483.2	598.7	623.3
95°	3.5	185.6	406.2	493.7	507.7
97.5°	7.0	147.1	339.6	409.7	423.7
100°	10.5	122.6	283.6	343.1	353.6
102.5°	14.0	98.0	238.1	287.1	297.6
105°	14.0	80.5	199.6	241.6	252.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.5	49.0	119.0	150.6	157.6
115°	28.0	42.0	101.5	129.6	136.6
117.5°	28.0	35.0	87.5	108.5	115.5
120°	28.0	31.5	77.0	94.5	98.0
122.5°	28.0	28.0	66.5	84.0	87.5
125°	24.5	28.0	63.0	73.5	77.0
127.5°	28.0	28.0	56.0	66.5	70.0
130°	28.0	31.5	49.0	63.0	63.0
132.5°	31.5	35.0	45.5	59.5	59.5
135°	31.5	35.0	38.5	56.0	59.5
137.5°	35.0	35.0	35.0	52.5	56.0
140°	35.0	35.0	31.5	45.5	49.0
142.5°	31.5	35.0	31.5	42.0	45.5
145°	31.5	35.0	35.0	38.5	42.0
147.5°	35.0	35.0	35.0	35.0	38.5
150°	35.0	35.0	35.0	35.0	35.0
152.5°	35.0	35.0	35.0	35.0	35.0
155°	35.0	38.5	38.5	38.5	35.0
157.5°	35.0	38.5	38.5	38.5	38.5
160°	35.0	38.5	38.5	38.5	38.5
162.5°	38.5	38.5	38.5	38.5	38.5
165°	38.5	38.5	38.5	38.5	38.5
167.5°	38.5	42.0	38.5	38.5	38.5
170°	38.5	38.5	38.5	35.0	35.0
172.5°	38.5	38.5	38.5	35.0	35.0
175°	38.5	38.5	35.0	31.5	31.5
177.5°	42.0	38.5	35.0	31.5	28.0
180°	35.0	35.0	35.0	35.0	35.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	17.5	66.5	171.6	206.6	213.6
110°	21.0	56.0	143.6	175.1	182.1



(END OF REPORT)