

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: P830748

Luminaire Tested: **OHBL-72SE-A-UNV-L935-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830748
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-L935-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

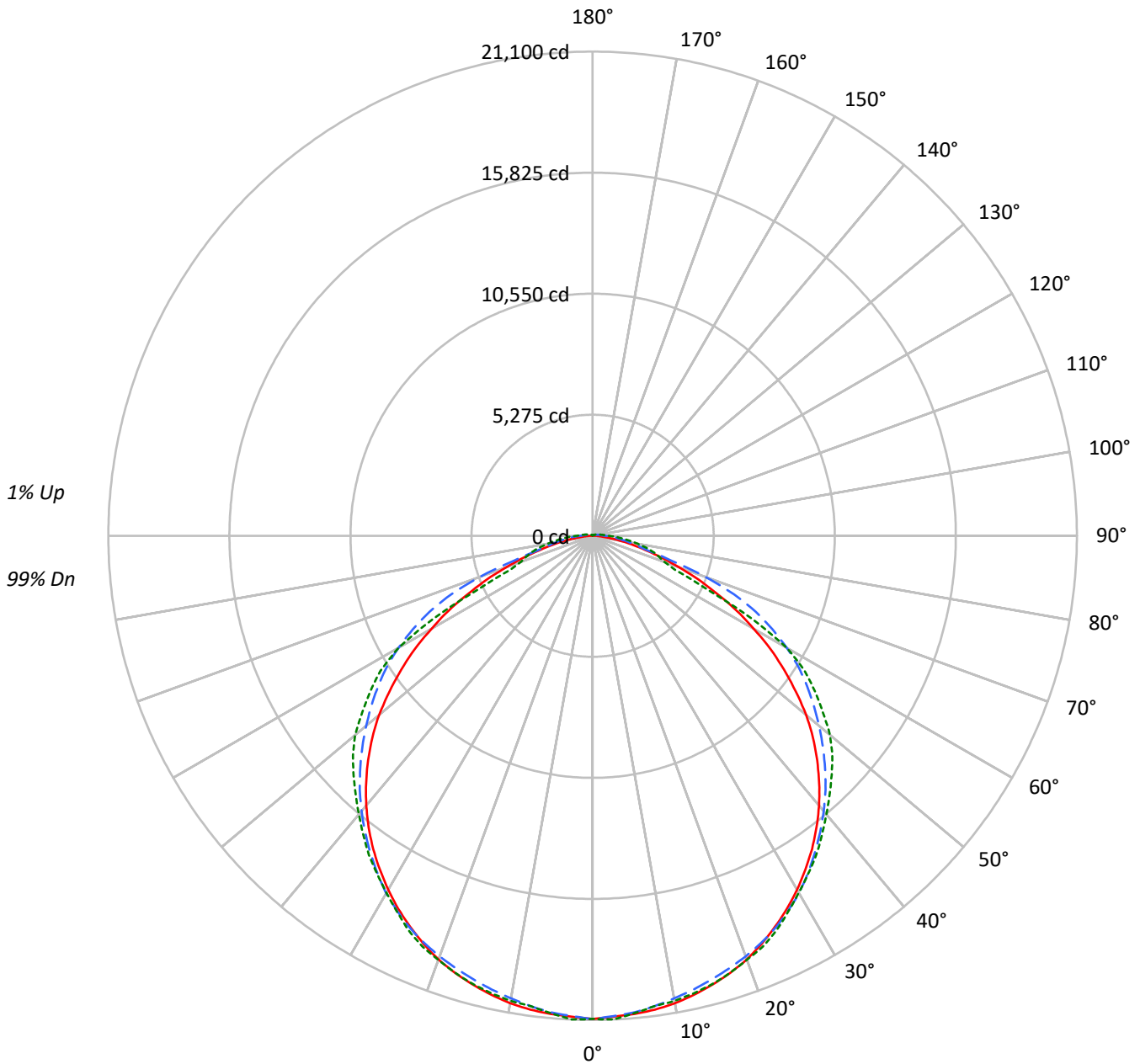
Lumens per Lamp: N/A
Luminaire Lumens: 59517.0 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	33301	33301	33301
5°	33084	32818	32887
10°	32962	32321	32521
15°	32753	31949	32304
20°	32544	31715	32018
25°	32152	31479	31734
30°	31724	31107	31134
35°	31214	30517	30803
40°	30550	29908	30352
45°	29630	29203	30153
50°	28383	28400	29914
55°	26402	27611	28797
60°	23808	26455	26623
65°	20423	24311	16872
70°	16450	18978	12233
75°	12333	11266	12415
80°	8585	9367	11853
85°	4885	8583	11111



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1985.5	3.3
10°-20°	5693.5	9.6
20°-30°	8695.7	14.6
30°-40°	10550.9	17.7
40°-50°	11058.3	18.6
50°-60°	10020.5	16.8
60°-70°	6718.4	11.3
70°-80°	3016.8	5.1
80°-90°	1094.8	1.8
90°-100°	329.5	0.6
100°-110°	155.5	0.3
110°-120°	77.9	0.1
120°-130°	43.0	0.1
130°-140°	29.5	0.0
140°-150°	19.9	0.0
150°-160°	14.8	0.0
160°-170°	9.5	0.0
170°-180°	3.0	0.0
0°-30°	16374.7	27.5
0°-40°	26925.6	45.2
0°-60°	48004.4	80.7
0°-90°	58834.4	98.9
90°-120°	562.9	0.9
90°-150°	655.3	1.1
90°-180°	683.0	1.1
0°-180°	59517.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21057	21057	21057	21057	21057	
5°	20920	20993	20847	20911	20884	###
15°	20241	20162	20019	20196	20220	5715
25°	18804	18722	18853	19026	18972	8668
35°	16667	16706	16877	17056	16989	10417
45°	13832	14057	14319	14685	14730	10655
55°	10178	10669	11396	11853	11826	9086
65°	5974	6908	7843	6619	5404	5952
75°	2350	3410	2509	2567	2734	2569
85°	405	776	996	1203	1260	494
90°	3	259	515	646	676	24
95°	3	161	353	429	442	4
105°	12	70	174	210	219	14
115°	24	36	88	113	119	23
125°	21	24	55	64	67	21
135°	27	30	34	49	52	22
145°	27	30	30	34	36	18
155°	30	34	34	34	30	14
165°	34	34	34	34	34	9
175°	34	34	30	27	27	3
180°	30	30	30	30	30	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21057.2	21057.2	21057.2	21057.2	<i>21057.2</i>
2.5°	<i>20971.9</i>	<i>21060.2</i>	<i>20950.6</i>	<i>21069.3</i>	<i>21099.8</i>
5°	20920.2	20993.2	20847.1	20911.0	<i>20883.6</i>
7.5°	20825.8	20850.1	20676.6	20728.3	<i>20673.5</i>
10°	20685.7	20673.5	20469.5	20570.0	<i>20582.2</i>
12.5°	20478.7	20442.1	20259.5	20411.7	<i>20414.7</i>
15°	20241.2	20162.0	20018.9	20195.5	<i>20219.9</i>
17.5°	19967.2	19863.6	19769.3	19997.6	<i>19961.1</i>
20°	19647.5	19525.7	19507.4	19757.1	<i>19665.7</i>
22.5°	19251.7	19157.3	19199.9	19437.4	<i>19379.5</i>
25°	18804.1	18721.9	18852.8	19026.3	<i>18971.5</i>
27.5°	18332.2	18283.4	18432.6	18566.6	<i>18460.0</i>
30°	17814.6	17787.2	17985.1	18094.7	<i>17960.7</i>
32.5°	17251.3	17260.4	17449.2	17598.4	<i>17473.5</i>
35°	16666.7	16706.3	16876.8	17056.4	<i>16989.4</i>
37.5°	16024.3	16112.6	16283.1	16487.1	<i>16417.0</i>
40°	15345.3	15473.2	15662.0	15908.6	<i>15844.6</i>
42.5°	14611.5	14772.9	15016.5	15290.5	<i>15284.4</i>
45°	13832.1	14057.4	14319.2	14684.6	<i>14730.3</i>
47.5°	13022.2	13274.9	13606.8	14093.9	<i>14164.0</i>
50°	12142.3	12458.9	12873.0	13457.6	<i>13500.2</i>
52.5°	11161.9	11594.2	12142.3	12702.5	<i>12650.7</i>
55°	10178.4	10668.6	11396.3	11853.0	<i>11825.6</i>
57.5°	9198.0	9749.1	10632.1	10957.9	<i>10954.8</i>
60°	8102.0	8799.2	9764.4	10011.0	<i>9767.4</i>
62.5°	7088.1	7837.1	8838.8	8659.1	<i>7824.9</i>
65°	5973.7	6908.4	7843.2	6619.2	<i>5404.3</i>
67.5°	4984.2	5958.5	6661.8	4533.6	<i>3882.0</i>
70°	3988.6	5063.3	5194.3	3364.4	<i>3318.7</i>
72.5°	3105.6	4250.4	3583.6	2880.3	<i>3026.4</i>
75°	2350.5	3410.1	2508.8	2566.7	<i>2734.1</i>
77.5°	1714.2	2618.4	1951.7	2250.0	<i>2387.0</i>
80°	1178.3	1854.2	1592.4	1890.8	<i>1985.1</i>
82.5°	739.9	1224.0	1275.7	1522.4	<i>1619.8</i>
85°	404.9	776.4	995.6	1202.7	<i>1260.5</i>
87.5°	167.5	468.9	761.2	928.6	<i>977.3</i>
90°	3.0	258.8	514.6	645.5	<i>675.9</i>
92.5°	3.0	197.9	420.2	520.6	<i>542.0</i>
95°	3.0	161.4	353.2	429.3	<i>441.5</i>
97.5°	6.1	127.9	295.3	356.2	<i>368.4</i>
100°	9.1	106.6	246.6	298.4	<i>307.5</i>
102.5°	12.2	85.3	207.0	249.7	<i>258.8</i>
105°	12.2	70.0	173.5	210.1	<i>219.2</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.3	42.6	103.5	130.9	137.0
115°	24.4	36.5	88.3	112.7	118.7
117.5°	24.4	30.4	76.1	94.4	100.5
120°	24.4	27.4	67.0	82.2	85.3
122.5°	24.4	24.4	57.8	73.1	76.1
125°	21.3	24.4	54.8	63.9	67.0
127.5°	24.4	24.4	48.7	57.8	60.9
130°	24.4	27.4	42.6	54.8	54.8
132.5°	27.4	30.4	39.6	51.8	51.8
135°	27.4	30.4	33.5	48.7	51.8
137.5°	30.4	30.4	30.4	45.7	48.7
140°	30.4	30.4	27.4	39.6	42.6
142.5°	27.4	30.4	27.4	36.5	39.6
145°	27.4	30.4	30.4	33.5	36.5
147.5°	30.4	30.4	30.4	30.4	33.5
150°	30.4	30.4	30.4	30.4	30.4
152.5°	30.4	30.4	30.4	30.4	30.4
155°	30.4	33.5	33.5	33.5	30.4
157.5°	30.4	33.5	33.5	33.5	33.5
160°	30.4	33.5	33.5	33.5	33.5
162.5°	33.5	33.5	33.5	33.5	33.5
165°	33.5	33.5	33.5	33.5	33.5
167.5°	33.5	36.5	33.5	33.5	33.5
170°	33.5	33.5	33.5	30.4	30.4
172.5°	33.5	33.5	33.5	30.4	30.4
175°	33.5	33.5	30.4	27.4	27.4
177.5°	36.5	33.5	30.4	27.4	24.4
180°	30.4	30.4	30.4	30.4	30.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	15.2	57.8	149.2	179.6	185.7
110°	18.3	48.7	124.8	152.2	158.3



(END OF REPORT)