

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: P830384

Luminaire Tested: **OHBL-36SE-A-UNV-L835-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830384  
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-36SE-A-UNV-L835-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS  
Light Source: -  
Ballast/Driver: -

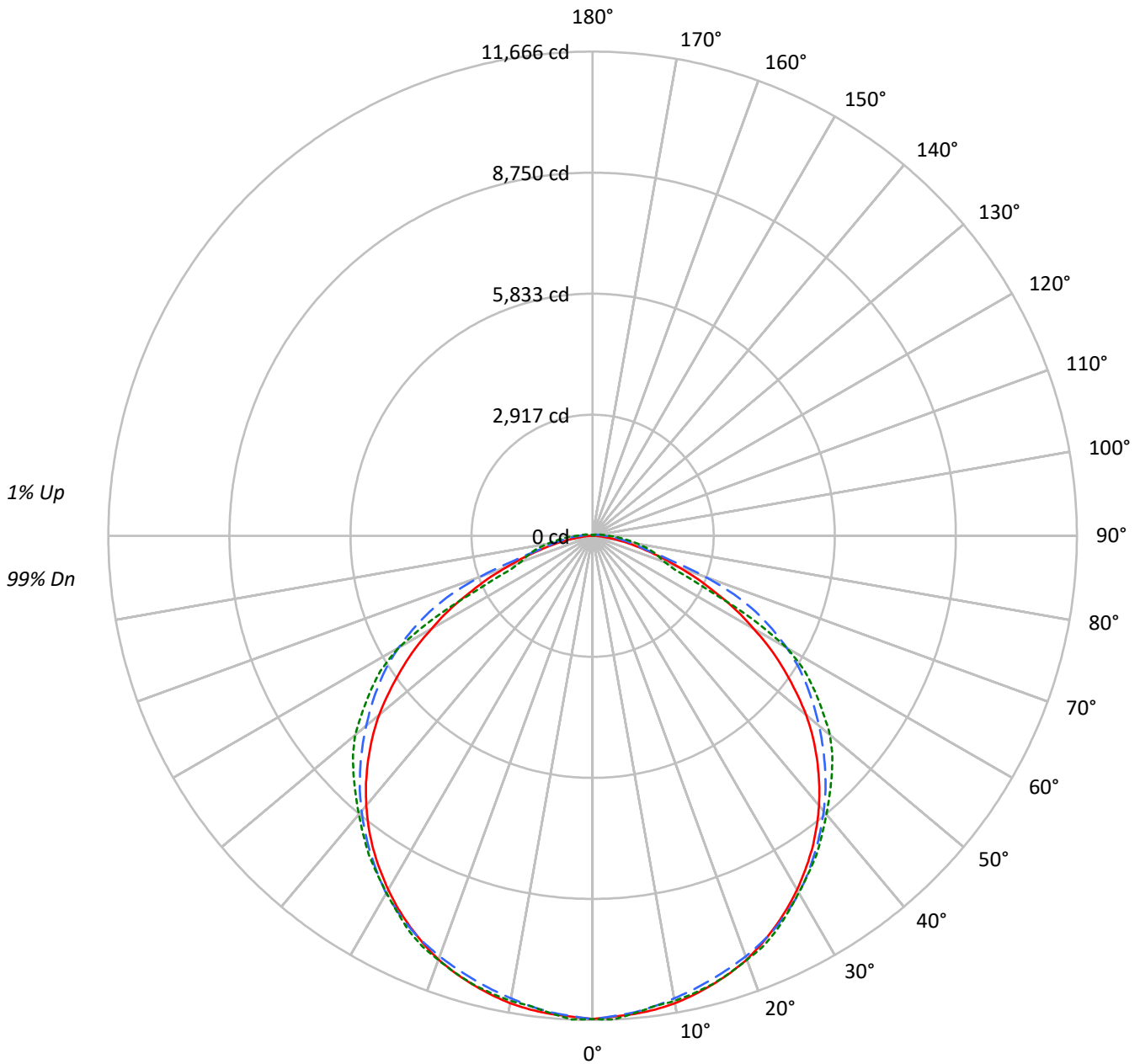
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32908.0 lumens  
Efficiency: N/A  
Efficacy: 156.0 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): 211  
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

TEST NUMBER: P830384

CATALOG NUMBER: OHBL-36SE-A-UNV-L835-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P830384

CATALOG NUMBER: OHBL-36SE-A-UNV-L835-CD

**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°	18413	18413	18413
5°	18292	18145	18184
10°	18225	17871	17982
15°	18110	17665	17861
20°	17994	17536	17703
25°	17777	17405	17546
30°	17541	17200	17214
35°	17259	16874	17031
40°	16892	16537	16782
45°	16383	16147	16672
50°	15693	15703	16540
55°	14598	15266	15922
60°	13164	14628	14721
65°	11292	13442	9329
70°	9095	10493	6764
75°	6819	6229	6865
80°	4747	5180	6554
85°	2701	4746	6144



TEST NUMBER: P830384

CATALOG NUMBER: OHBL-36SE-A-UNV-L835-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1097.8	3.3
10°-20°	3148.0	9.6
20°-30°	4808.0	14.6
30°-40°	5833.8	17.7
40°-50°	6114.3	18.6
50°-60°	5540.5	16.8
60°-70°	3714.7	11.3
70°-80°	1668.1	5.1
80°-90°	605.3	1.8
90°-100°	182.2	0.6
100°-110°	86.0	0.3
110°-120°	43.1	0.1
120°-130°	23.8	0.1
130°-140°	16.3	0.0
140°-150°	11.0	0.0
150°-160°	8.2	0.0
160°-170°	5.2	0.0
170°-180°	1.7	0.0
0°-30°	9053.8	27.5
0°-40°	14887.6	45.2
0°-60°	26542.5	80.7
0°-90°	32530.6	98.9
90°-120°	311.3	0.9
90°-150°	362.4	1.1
90°-180°	377.0	1.1
0°-180°	32908.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11643	11643	11643	11643	11643	
5°	11567	11608	11527	11562	11547	###
15°	11192	11148	11069	11166	11180	3160
25°	10397	10352	10424	10520	10490	4792
35°	9215	9237	9332	9431	9394	5760
45°	7648	7773	7917	8119	8145	5892
55°	5628	5899	6301	6554	6539	5024
65°	3303	3820	4337	3660	2988	3291
75°	1300	1886	1387	1419	1512	1420
85°	224	429	550	665	697	273
90°	2	143	284	357	374	13
95°	2	89	195	237	244	2
105°	7	39	96	116	121	8
115°	14	20	49	62	66	13
125°	12	14	30	35	37	12
135°	15	17	18	27	29	12
145°	15	17	17	18	20	10
155°	17	18	18	18	17	8
165°	18	18	18	18	18	5
175°	18	18	17	15	15	2
180°	17	17	17	17	17	



TEST NUMBER: P830384

CATALOG NUMBER: OHBL-36SE-A-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11642.9	11642.9	11642.9	11642.9	<i>11642.9</i>
2.5°	<i>11595.7</i>	<i>11644.6</i>	<i>11584.0</i>	<i>11649.6</i>	<i>11666.4</i>
5°	11567.1	11607.5	11526.7	11562.1	<i>11546.9</i>
7.5°	11514.9	11528.4	11432.4	11461.1	<i>11430.8</i>
10°	11437.5	11430.8	11318.0	11373.5	<i>11380.3</i>
12.5°	11323.0	11302.8	11201.8	11286.0	<i>11287.7</i>
15°	11191.7	11147.9	11068.8	11166.5	<i>11179.9</i>
17.5°	11040.2	10983.0	10930.8	11057.0	<i>11036.8</i>
20°	10863.4	10796.1	10786.0	10924.0	<i>10873.5</i>
22.5°	10644.6	10592.4	10616.0	10747.3	<i>10715.3</i>
25°	10397.1	10351.7	10424.0	10520.0	<i>10489.7</i>
27.5°	10136.2	10109.2	10191.7	10265.8	<i>10206.9</i>
30°	9850.0	9834.8	9944.3	10004.9	<i>9930.8</i>
32.5°	9538.5	9543.6	9648.0	9730.5	<i>9661.4</i>
35°	9215.3	9237.2	9331.5	9430.8	<i>9393.8</i>
37.5°	8860.1	8908.9	9003.2	9116.0	<i>9077.3</i>
40°	8484.7	8555.4	8659.8	8796.1	<i>8760.8</i>
42.5°	8079.0	8168.2	8302.9	8454.4	<i>8451.0</i>
45°	7648.0	7772.6	7917.4	8119.4	<i>8144.6</i>
47.5°	7200.2	7339.9	7523.4	7792.8	<i>7831.5</i>
50°	6713.7	6888.8	7117.7	7440.9	<i>7464.5</i>
52.5°	6171.6	6410.7	6713.7	7023.4	<i>6994.8</i>
55°	5627.8	5898.9	6301.2	6553.7	<i>6538.6</i>
57.5°	5085.8	5390.5	5878.7	6058.8	<i>6057.1</i>
60°	4479.7	4865.2	5398.9	5535.2	<i>5400.6</i>
62.5°	3919.1	4333.3	4887.1	4787.8	<i>4326.5</i>
65°	3303.0	3819.8	4336.6	3659.9	<i>2988.2</i>
67.5°	2755.8	3294.6	3683.4	2506.7	<i>2146.4</i>
70°	2205.3	2799.6	2872.0	1860.2	<i>1835.0</i>
72.5°	1717.1	2350.1	1981.4	1592.6	<i>1673.4</i>
75°	1299.6	1885.5	1387.2	1419.2	<i>1511.8</i>
77.5°	947.8	1447.8	1079.1	1244.1	<i>1319.8</i>
80°	651.5	1025.2	880.5	1045.4	<i>1097.6</i>
82.5°	409.1	676.8	705.4	841.7	<i>895.6</i>
85°	223.9	429.3	550.5	665.0	<i>697.0</i>
87.5°	92.6	259.3	420.9	513.5	<i>540.4</i>
90°	1.7	143.1	284.5	356.9	<i>373.7</i>
92.5°	1.7	109.4	232.3	287.9	<i>299.7</i>
95°	1.7	89.2	195.3	237.4	<i>244.1</i>
97.5°	3.4	70.7	163.3	197.0	<i>203.7</i>
100°	5.1	58.9	136.4	165.0	<i>170.0</i>
102.5°	6.7	47.1	114.5	138.0	<i>143.1</i>
105°	6.7	38.7	96.0	116.2	<i>121.2</i>



TEST NUMBER: P830384

CATALOG NUMBER: OHBL-36SE-A-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	11.8	23.6	57.2	72.4	75.8
115°	13.5	20.2	48.8	62.3	65.7
117.5°	13.5	16.8	42.1	52.2	55.6
120°	13.5	15.2	37.0	45.5	47.1
122.5°	13.5	13.5	32.0	40.4	42.1
125°	11.8	13.5	30.3	35.4	37.0
127.5°	13.5	13.5	26.9	32.0	33.7
130°	13.5	15.2	23.6	30.3	30.3
132.5°	15.2	16.8	21.9	28.6	28.6
135°	15.2	16.8	18.5	26.9	28.6
137.5°	16.8	16.8	16.8	25.3	26.9
140°	16.8	16.8	15.2	21.9	23.6
142.5°	15.2	16.8	15.2	20.2	21.9
145°	15.2	16.8	16.8	18.5	20.2
147.5°	16.8	16.8	16.8	16.8	18.5
150°	16.8	16.8	16.8	16.8	16.8
152.5°	16.8	16.8	16.8	16.8	16.8
155°	16.8	18.5	18.5	18.5	16.8
157.5°	16.8	18.5	18.5	18.5	18.5
160°	16.8	18.5	18.5	18.5	18.5
162.5°	18.5	18.5	18.5	18.5	18.5
165°	18.5	18.5	18.5	18.5	18.5
167.5°	18.5	20.2	18.5	18.5	18.5
170°	18.5	18.5	18.5	16.8	16.8
172.5°	18.5	18.5	18.5	16.8	16.8
175°	18.5	18.5	16.8	15.2	15.2
177.5°	20.2	18.5	16.8	15.2	13.5
180°	16.8	16.8	16.8	16.8	16.8



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	8.4	32.0	82.5	99.3	102.7
110°	10.1	26.9	69.0	84.2	87.5



(END OF REPORT)