

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: P830411

Luminaire Tested: **OHBL-36SE-MFL-UNV-L930-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830411  
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-36SE-MFL-UNV-L930-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

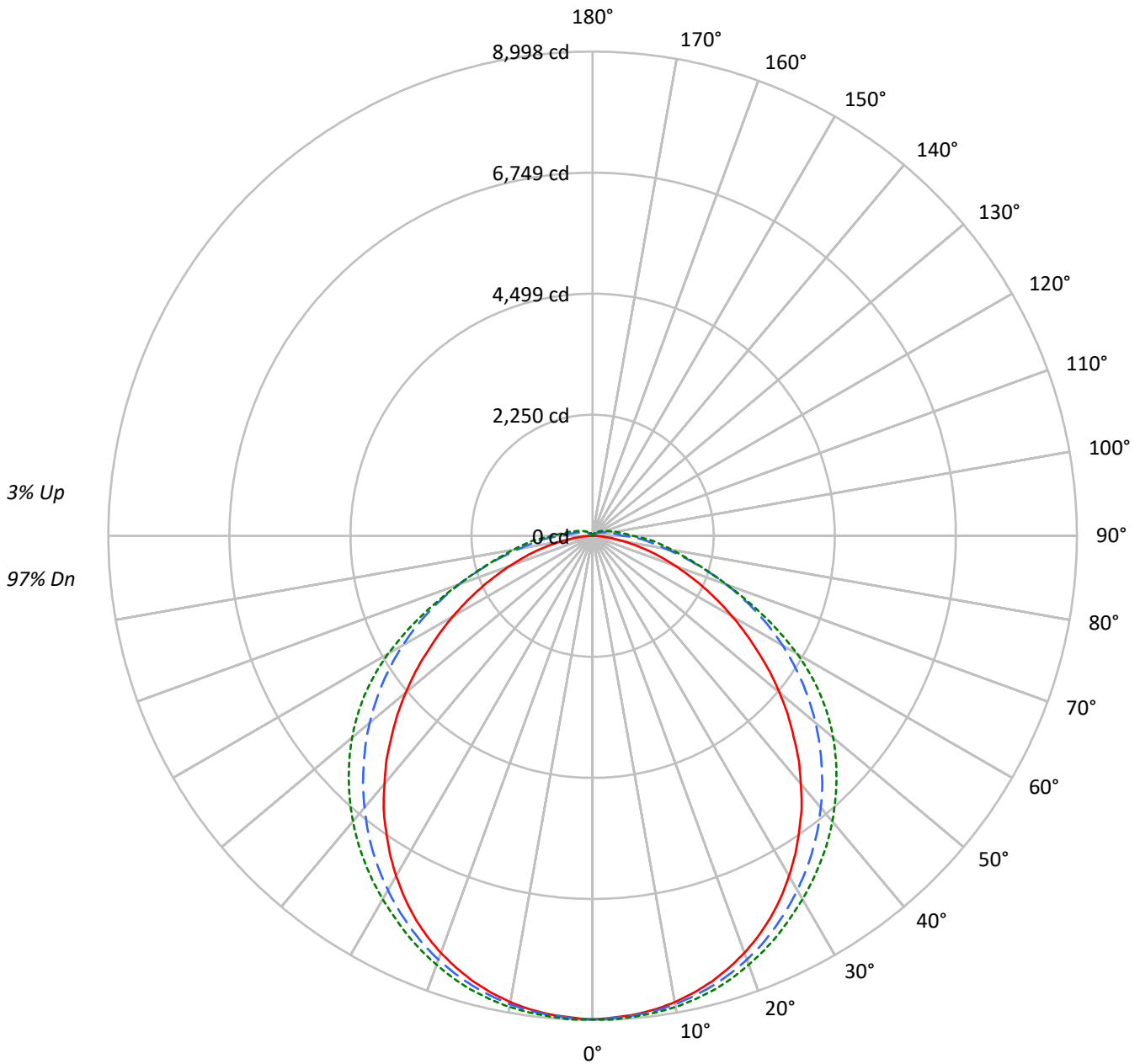
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26903.1 lumens  
Efficiency: N/A  
Efficacy: 127.5 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): 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

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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°	14216	14216	14216
5°	14125	14081	14124
10°	14026	13957	14050
15°	13869	13809	13953
20°	13662	13627	13811
25°	13384	13400	13668
30°	12999	13154	13523
35°	12534	12893	13398
40°	11974	12591	13275
45°	11315	12262	13118
50°	10594	11930	12928
55°	9707	11524	12606
60°	8799	11045	11963
65°	7807	10433	10907
70°	6733	9654	9764
75°	5645	8753	8991
80°	4280	8102	8920
85°	2708	8421	9968



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	851.8	3.2
10°-20°	2443.6	9.1
20°-30°	3695.5	13.7
30°-40°	4436.5	16.5
40°-50°	4582.2	17.0
50°-60°	4122.6	15.3
60°-70°	3105.5	11.5
70°-80°	1875.2	7.0
80°-90°	917.1	3.4
90°-100°	386.0	1.4
100°-110°	220.4	0.8
110°-120°	129.4	0.5
120°-130°	73.2	0.3
130°-140°	38.5	0.1
140°-150°	18.7	0.1
150°-160°	7.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6990.9	26.0
0°-40°	11427.5	42.5
0°-60°	20132.2	74.8
0°-90°	26030.0	96.8
90°-120°	735.7	2.7
90°-150°	866.2	3.2
90°-180°	873.0	3.2
0°-180°	26903.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8989	8989	8989	8989	8989	
5°	8932	8956	8945	8980	8969	849
15°	8571	8613	8653	8725	8734	2417
25°	7828	7913	8026	8151	8171	3600
35°	6692	6849	7130	7346	7390	4184
45°	5282	5548	6013	6340	6409	4078
55°	3742	4129	4756	5115	5177	3355
65°	2284	2750	3366	3533	3494	2269
75°	1076	1544	1949	2000	1980	1148
85°	224	592	977	1111	1131	259
90°	0	231	559	704	733	14
95°	11	156	418	532	552	9
105°	15	90	242	317	330	15
115°	18	51	150	200	209	18
125°	18	24	90	130	136	16
135°	15	20	46	79	88	12
145°	22	20	22	40	46	13
155°	22	24	22	20	22	7
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°	8989.1	8989.1	8989.1	<i>8989.1</i>	8989.1
2.5°	<i>8962.7</i>	<i>8984.7</i>	<i>8971.5</i>	<i>9000.1</i>	<i>8997.9</i>
5°	8931.9	8956.1	8945.1	<i>8980.3</i>	8969.3
7.5°	8879.1	8905.5	8903.3	<i>8942.9</i>	8938.5
10°	8802.1	8830.7	8839.5	<i>8892.3</i>	8892.3
12.5°	8696.6	8733.9	8755.9	<i>8819.7</i>	8821.9
15°	8571.2	8613.0	8652.6	<i>8725.1</i>	8733.9
17.5°	8419.4	8472.2	8527.2	<i>8610.8</i>	8621.8
20°	8247.8	8307.2	8382.0	<i>8470.0</i>	8483.2
22.5°	8049.8	8120.2	8217.0	<i>8320.4</i>	8335.8
25°	7827.6	7913.4	8025.6	<i>8151.0</i>	8170.8
27.5°	7574.6	7673.6	7825.4	<i>7966.2</i>	7983.8
30°	7299.6	7416.2	7605.4	<i>7772.6</i>	7801.2
32.5°	7009.2	7143.4	7376.6	<i>7563.6</i>	7603.2
35°	6692.4	6848.6	7130.2	<i>7345.8</i>	7389.8
37.5°	6380.0	6551.6	6870.6	<i>7117.0</i>	7169.8
40°	6014.8	6228.2	6593.4	<i>6866.2</i>	6930.0
42.5°	5671.6	5902.6	6316.2	<i>6613.2</i>	6674.8
45°	5282.2	5548.4	6012.6	<i>6340.4</i>	6408.6
47.5°	4917.0	5205.2	5720.0	<i>6058.8</i>	6129.2
50°	4532.0	4848.8	5407.6	<i>5761.8</i>	5834.4
52.5°	4147.0	4488.0	5084.2	<i>5451.6</i>	5519.8
55°	3742.2	4129.4	4756.4	<i>5115.0</i>	5176.6
57.5°	3366.0	3775.2	4419.8	<i>4760.8</i>	4798.2
60°	2994.2	3418.8	4076.6	<i>4375.8</i>	4389.0
62.5°	2631.2	3077.8	3724.6	<i>3962.2</i>	3944.6
65°	2283.6	2750.0	3366.0	<i>3533.2</i>	3493.6
67.5°	1949.2	2431.0	2998.6	<i>3106.4</i>	3053.6
70°	1632.4	2120.8	2642.2	<i>2697.2</i>	2648.8
72.5°	1353.0	1826.0	2281.4	<i>2327.6</i>	2292.4
75°	1075.8	1544.4	1949.2	<i>1999.8</i>	1980.0
77.5°	816.2	1271.6	1643.4	<i>1709.4</i>	1713.8
80°	587.4	1023.0	1377.2	<i>1480.6</i>	1493.8
82.5°	387.2	794.2	1155.0	<i>1287.0</i>	1306.8
85°	224.4	591.8	976.8	<i>1111.0</i>	1130.8
87.5°	96.8	426.8	785.4	<i>906.4</i>	930.6
90°	0.0	231.0	558.8	<i>704.0</i>	732.6
92.5°	6.6	191.4	479.6	<i>611.6</i>	635.8
95°	11.0	156.2	418.0	<i>532.4</i>	552.2
97.5°	13.2	132.0	363.0	<i>464.2</i>	484.0
100°	13.2	114.4	314.6	<i>407.0</i>	424.6
102.5°	13.2	101.2	275.0	<i>356.4</i>	371.8
105°	15.4	90.2	242.0	<i>316.8</i>	330.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	17.6	59.4	167.2	224.4	233.2
115°	17.6	50.6	149.6	200.2	209.0
117.5°	19.8	44.0	132.0	180.4	187.0
120°	19.8	37.4	116.6	160.6	169.4
122.5°	19.8	30.8	103.4	145.2	151.8
125°	17.6	24.2	90.2	129.8	136.4
127.5°	15.4	19.8	77.0	116.6	123.2
130°	15.4	17.6	66.0	103.4	110.0
132.5°	15.4	19.8	55.0	90.2	99.0
135°	15.4	19.8	46.2	79.2	88.0
137.5°	15.4	19.8	37.4	68.2	77.0
140°	17.6	19.8	30.8	57.2	66.0
142.5°	19.8	19.8	24.2	48.4	55.0
145°	22.0	19.8	22.0	39.6	46.2
147.5°	22.0	22.0	22.0	30.8	37.4
150°	22.0	24.2	22.0	24.2	30.8
152.5°	22.0	24.2	22.0	19.8	24.2
155°	22.0	24.2	22.0	19.8	22.0
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°	15.4	79.2	213.4	281.6	292.6
110°	15.4	70.4	189.2	250.8	261.8



(END OF REPORT)