

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: P830403

Luminaire Tested: **OHBL-36SE-MFL-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830403  
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-L730-CD  
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

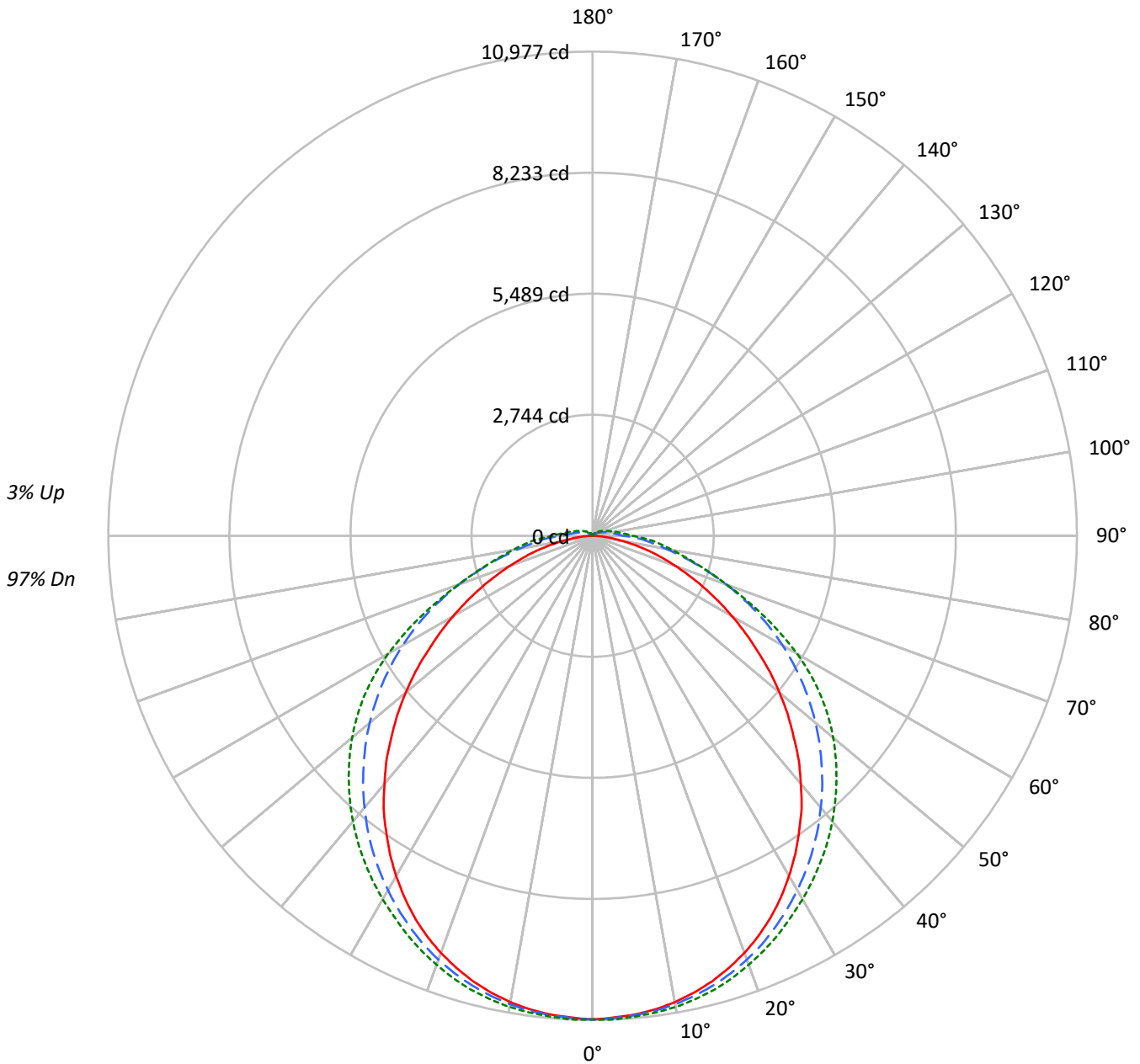
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32820.0 lumens  
Efficiency: N/A  
Efficacy: 155.5 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									
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	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	80																	
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	66																	
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	56																	
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	47																	
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	41																	
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	36																	
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	32																	
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	28																	
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	25																	
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	23																	

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

	0°	45°	90°
0°	17343	17343	17343
5°	17232	17178	17231
10°	17111	17027	17141
15°	16920	16846	17022
20°	16666	16624	16849
25°	16327	16348	16673
30°	15858	16047	16497
35°	15290	15729	16345
40°	14608	15360	16195
45°	13804	14959	16003
50°	12923	14554	15771
55°	11842	14058	15378
60°	10734	13474	14594
65°	9524	12728	13306
70°	8213	11777	11911
75°	6886	10678	10969
80°	5221	9883	10881
85°	3304	10273	12160



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1039.1	3.2
10°-20°	2981.0	9.1
20°-30°	4508.3	13.7
30°-40°	5412.3	16.5
40°-50°	5590.0	17.0
50°-60°	5029.3	15.3
60°-70°	3788.5	11.5
70°-80°	2287.6	7.0
80°-90°	1118.8	3.4
90°-100°	470.9	1.4
100°-110°	268.8	0.8
110°-120°	157.8	0.5
120°-130°	89.2	0.3
130°-140°	47.0	0.1
140°-150°	22.8	0.1
150°-160°	8.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	8528.5	26.0
0°-40°	13940.7	42.5
0°-60°	24560.0	74.8
0°-90°	31754.9	96.8
90°-120°	897.6	2.7
90°-150°	1056.7	3.2
90°-180°	1065.0	3.2
0°-180°	32820.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10966	10966	10966	10966	10966	
5°	10896	10926	10912	10956	10942	###
15°	10456	10507	10556	10644	10655	2948
25°	9549	9654	9791	9944	9968	4392
35°	8164	8355	8698	8961	9015	5104
45°	6444	6769	7335	7735	7818	4975
55°	4565	5038	5802	6240	6315	4093
65°	2786	3355	4106	4310	4262	2768
75°	1312	1884	2378	2440	2416	1400
85°	274	722	1192	1355	1380	316
90°	0	282	682	859	894	17
95°	13	191	510	650	674	11
105°	19	110	295	386	403	19
115°	22	62	182	244	255	22
125°	22	30	110	158	166	19
135°	19	24	56	97	107	15
145°	27	24	27	48	56	16
155°	27	30	27	24	27	8
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°	10966.2	10966.2	10966.2	<i>10966.2</i>	10966.2
2.5°	<i>10934.0</i>	<i>10960.8</i>	<i>10944.7</i>	<i>10979.6</i>	<i>10976.9</i>
5°	10896.4	10925.9	10912.5	<i>10955.5</i>	10942.1
7.5°	10832.0	10864.2	10861.5	<i>10909.8</i>	10904.5
10°	10738.1	10773.0	10783.7	<i>10848.1</i>	10848.1
12.5°	10609.3	10654.9	10681.7	<i>10759.5</i>	10762.2
15°	10456.3	10507.3	10555.6	<i>10644.1</i>	10654.9
17.5°	10271.1	10335.5	10402.6	<i>10504.6</i>	10518.0
20°	10061.7	10134.2	10225.5	<i>10332.8</i>	10348.9
22.5°	9820.2	9906.1	10024.2	<i>10150.3</i>	10169.1
25°	9549.1	9653.8	9790.7	<i>9943.7</i>	9967.8
27.5°	9240.5	9361.3	9546.5	<i>9718.2</i>	9739.7
30°	8905.0	9047.3	9278.1	<i>9482.0</i>	9516.9
32.5°	8550.7	8714.5	8998.9	<i>9227.1</i>	9275.4
35°	8164.3	8354.8	8698.4	<i>8961.4</i>	9015.0
37.5°	7783.2	7992.5	8381.7	<i>8682.3</i>	8746.7
40°	7337.6	7598.0	8043.5	<i>8376.3</i>	8454.1
42.5°	6919.0	7200.8	7705.3	<i>8067.6</i>	8142.8
45°	6443.9	6768.7	7335.0	<i>7734.9</i>	7818.1
47.5°	5998.4	6350.0	6978.0	<i>7391.3</i>	7477.2
50°	5528.7	5915.2	6596.9	<i>7029.0</i>	7117.6
52.5°	5059.1	5475.1	6202.4	<i>6650.6</i>	6733.8
55°	4565.2	5037.6	5802.5	<i>6239.9</i>	6315.1
57.5°	4106.3	4605.5	5391.9	<i>5807.8</i>	5853.5
60°	3652.7	4170.7	4973.2	<i>5338.2</i>	5354.3
62.5°	3209.9	3754.7	4543.8	<i>4833.6</i>	4812.1
65°	2785.8	3354.8	4106.3	<i>4310.3</i>	4262.0
67.5°	2377.9	2965.7	3658.1	<i>3789.6</i>	3725.2
70°	1991.4	2587.2	3223.3	<i>3290.4</i>	3231.4
72.5°	1650.6	2227.6	2783.2	<i>2839.5</i>	2796.6
75°	1312.4	1884.1	2377.9	<i>2439.6</i>	2415.5
77.5°	995.7	1551.3	2004.8	<i>2085.4</i>	2090.7
80°	716.6	1248.0	1680.1	<i>1806.2</i>	1822.3
82.5°	472.4	968.9	1409.0	<i>1570.1</i>	1594.2
85°	273.8	722.0	1191.6	<i>1355.3</i>	1379.5
87.5°	118.1	520.7	958.1	<i>1105.7</i>	1135.3
90°	0.0	281.8	681.7	<i>858.8</i>	893.7
92.5°	8.1	233.5	585.1	<i>746.1</i>	775.6
95°	13.4	190.6	509.9	<i>649.5</i>	673.6
97.5°	16.1	161.0	442.8	<i>566.3</i>	590.4
100°	16.1	139.6	383.8	<i>496.5</i>	518.0
102.5°	16.1	123.5	335.5	<i>434.8</i>	453.6
105°	18.8	110.0	295.2	<i>386.5</i>	402.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	21.5	72.5	204.0	273.8	284.5
115°	21.5	61.7	182.5	244.2	255.0
117.5°	24.2	53.7	161.0	220.1	228.1
120°	24.2	45.6	142.2	195.9	206.7
122.5°	24.2	37.6	126.1	177.1	185.2
125°	21.5	29.5	110.0	158.3	166.4
127.5°	18.8	24.2	93.9	142.2	150.3
130°	18.8	21.5	80.5	126.1	134.2
132.5°	18.8	24.2	67.1	110.0	120.8
135°	18.8	24.2	56.4	96.6	107.4
137.5°	18.8	24.2	45.6	83.2	93.9
140°	21.5	24.2	37.6	69.8	80.5
142.5°	24.2	24.2	29.5	59.0	67.1
145°	26.8	24.2	26.8	48.3	56.4
147.5°	26.8	26.8	26.8	37.6	45.6
150°	26.8	29.5	26.8	29.5	37.6
152.5°	26.8	29.5	26.8	24.2	29.5
155°	26.8	29.5	26.8	24.2	26.8
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°	18.8	96.6	260.3	343.5	357.0
110°	18.8	85.9	230.8	306.0	319.4



(END OF REPORT)