

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: P830257

Luminaire Tested: **OHBL-30SE-MCL-UNV-L940-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830257  
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-30SE-MCL-UNV-L940-CD  
Description: 30000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND MEDIUM CLEAR LENS  
Light Source: -  
Ballast/Driver: -

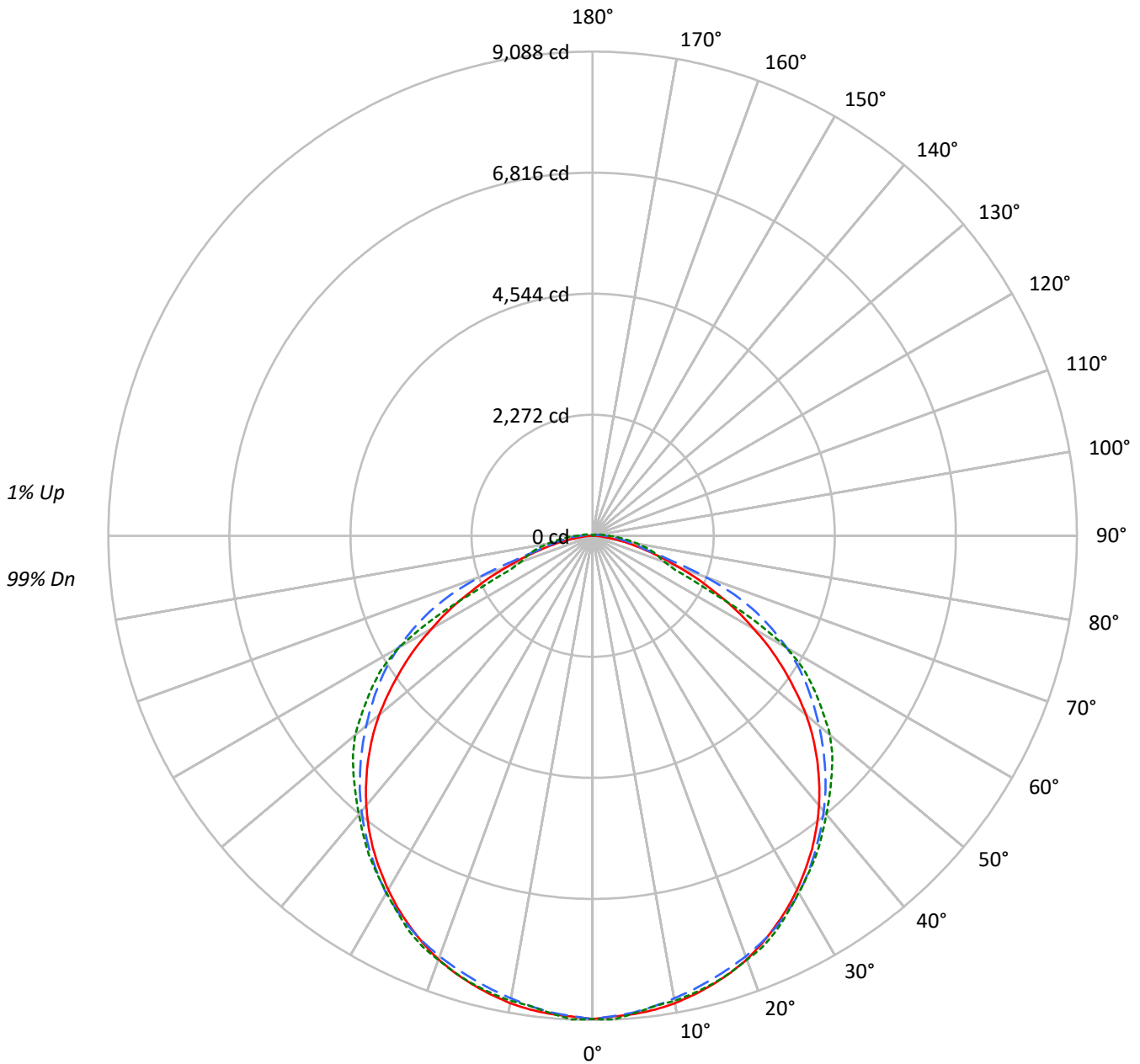
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25634.0 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 174  
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	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°	15490	15490	15490
5°	15389	15258	15288
10°	15333	15020	15108
15°	15235	14841	14997
20°	15138	14725	14854
25°	14955	14608	14713
30°	14757	14428	14424
35°	14519	14147	14259
40°	14210	13855	14037
45°	13783	13519	13931
50°	13202	13137	13805
55°	12281	12759	13271
60°	11074	12211	12248
65°	9500	11204	7746
70°	7652	8729	5599
75°	5737	5166	5659
80°	3993	4275	5366
85°	2273	3882	4964



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	855.2	3.3
10°-20°	2452.2	9.6
20°-30°	3745.2	14.6
30°-40°	4544.3	17.7
40°-50°	4762.8	18.6
50°-60°	4315.8	16.8
60°-70°	2893.6	11.3
70°-80°	1299.4	5.1
80°-90°	471.5	1.8
90°-100°	141.9	0.6
100°-110°	67.0	0.3
110°-120°	33.6	0.1
120°-130°	18.5	0.1
130°-140°	12.7	0.0
140°-150°	8.6	0.0
150°-160°	6.4	0.0
160°-170°	4.1	0.0
170°-180°	1.3	0.0
0°-30°	7052.6	27.5
0°-40°	11596.8	45.2
0°-60°	20675.5	80.7
0°-90°	25340.0	98.9
90°-120°	242.5	0.9
90°-150°	282.2	1.1
90°-180°	294.0	1.1
0°-180°	25634.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9069	9069	9069	9069	9069	
5°	9010	9042	8979	9006	8995	857
15°	8718	8684	8622	8698	8709	2461
25°	8099	8064	8120	8195	8171	3733
35°	7178	7195	7269	7346	7317	4487
45°	5958	6054	6167	6325	6344	4589
55°	4384	4595	4908	5105	5093	3913
65°	2573	2976	3378	2851	2328	2564
75°	1012	1469	1081	1106	1178	1106
85°	174	334	429	518	543	213
90°	1	112	222	278	291	10
95°	1	70	152	185	190	2
105°	5	30	75	90	94	6
115°	10	16	38	48	51	10
125°	9	10	24	28	29	9
135°	12	13	14	21	22	9
145°	12	13	13	14	16	8
155°	13	14	14	14	13	6
165°	14	14	14	14	14	4
175°	14	14	13	12	12	1
180°	13	13	13	13	13	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9069.3	9069.3	9069.3	9069.3	<i>9069.3</i>
2.5°	<i>9032.6</i>	<i>9070.6</i>	<i>9023.4</i>	<i>9074.6</i>	<i>9087.7</i>
5°	9010.3	9041.8	8978.8	9006.4	<i>8994.6</i>
7.5°	8969.7	8980.2	8905.4	8927.7	<i>8904.1</i>
10°	8909.3	8904.1	8816.2	8859.5	<i>8864.8</i>
12.5°	8820.2	8804.4	8725.8	8791.3	<i>8792.6</i>
15°	8717.9	8683.8	8622.2	8698.2	<i>8708.7</i>
17.5°	8599.9	8555.3	8514.6	8613.0	<i>8597.2</i>
20°	8462.2	8409.7	8401.9	8509.4	<i>8470.0</i>
22.5°	8291.7	8251.0	8269.4	8371.7	<i>8346.8</i>
25°	8098.9	8063.5	8119.9	8194.7	<i>8171.1</i>
27.5°	7895.7	7874.7	7938.9	7996.6	<i>7950.7</i>
30°	7672.7	7660.9	7746.2	7793.4	<i>7735.7</i>
32.5°	7430.1	7434.1	7515.4	7579.6	<i>7525.9</i>
35°	7178.4	7195.4	7268.8	7346.2	<i>7317.4</i>
37.5°	6901.7	6939.7	7013.1	7101.0	<i>7070.8</i>
40°	6609.2	6664.3	6745.6	6851.8	<i>6824.3</i>
42.5°	6293.2	6362.7	6467.6	6585.6	<i>6583.0</i>
45°	5957.5	6054.5	6167.3	6324.7	<i>6344.3</i>
47.5°	5608.7	5717.5	5860.4	6070.3	<i>6100.4</i>
50°	5229.7	5366.1	5544.4	5796.2	<i>5814.5</i>
52.5°	4807.4	4993.6	5229.7	5471.0	<i>5448.7</i>
55°	4383.9	4595.0	4908.4	5105.1	<i>5093.3</i>
57.5°	3961.6	4199.0	4579.3	4719.6	<i>4718.3</i>
60°	3489.5	3789.8	4205.5	4311.7	<i>4206.8</i>
62.5°	3052.8	3375.4	3806.9	3729.5	<i>3370.2</i>
65°	2572.9	2975.5	3378.1	2850.9	<i>2327.7</i>
67.5°	2146.7	2566.3	2869.2	1952.6	<i>1672.0</i>
70°	1717.9	2180.8	2237.2	1449.0	<i>1429.4</i>
72.5°	1337.6	1830.7	1543.5	1240.5	<i>1303.5</i>
75°	1012.4	1468.7	1080.6	1105.5	<i>1177.6</i>
77.5°	738.3	1127.8	840.6	969.1	<i>1028.1</i>
80°	507.5	798.6	685.8	814.4	<i>855.0</i>
82.5°	318.7	527.2	549.5	655.7	<i>697.6</i>
85°	174.4	334.4	428.8	518.0	<i>542.9</i>
87.5°	72.1	201.9	327.8	400.0	<i>420.9</i>
90°	1.3	111.5	221.6	278.0	<i>291.1</i>
92.5°	1.3	85.2	181.0	224.2	<i>233.4</i>
95°	1.3	69.5	152.1	184.9	<i>190.1</i>
97.5°	2.6	55.1	127.2	153.4	<i>158.7</i>
100°	3.9	45.9	106.2	128.5	<i>132.4</i>
102.5°	5.2	36.7	89.2	107.5	<i>111.5</i>
105°	5.2	30.2	74.7	90.5	<i>94.4</i>



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	9.2	18.4	44.6	56.4	59.0
115°	10.5	15.7	38.0	48.5	51.1
117.5°	10.5	13.1	32.8	40.7	43.3
120°	10.5	11.8	28.8	35.4	36.7
122.5°	10.5	10.5	24.9	31.5	32.8
125°	9.2	10.5	23.6	27.5	28.8
127.5°	10.5	10.5	21.0	24.9	26.2
130°	10.5	11.8	18.4	23.6	23.6
132.5°	11.8	13.1	17.0	22.3	22.3
135°	11.8	13.1	14.4	21.0	22.3
137.5°	13.1	13.1	13.1	19.7	21.0
140°	13.1	13.1	11.8	17.0	18.4
142.5°	11.8	13.1	11.8	15.7	17.0
145°	11.8	13.1	13.1	14.4	15.7
147.5°	13.1	13.1	13.1	13.1	14.4
150°	13.1	13.1	13.1	13.1	13.1
152.5°	13.1	13.1	13.1	13.1	13.1
155°	13.1	14.4	14.4	14.4	13.1
157.5°	13.1	14.4	14.4	14.4	14.4
160°	13.1	14.4	14.4	14.4	14.4
162.5°	14.4	14.4	14.4	14.4	14.4
165°	14.4	14.4	14.4	14.4	14.4
167.5°	14.4	15.7	14.4	14.4	14.4
170°	14.4	14.4	14.4	13.1	13.1
172.5°	14.4	14.4	14.4	13.1	13.1
175°	14.4	14.4	13.1	11.8	11.8
177.5°	15.7	14.4	13.1	11.8	10.5
180°	13.1	13.1	13.1	13.1	13.1



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	6.6	24.9	64.3	77.4	80.0
110°	7.9	21.0	53.8	65.6	68.2



(END OF REPORT)