

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: P830198

Luminaire Tested: **OHBL-30HE-MFL-UNV-L950-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830198  
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-30HE-MFL-UNV-L950-CD  
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 5000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

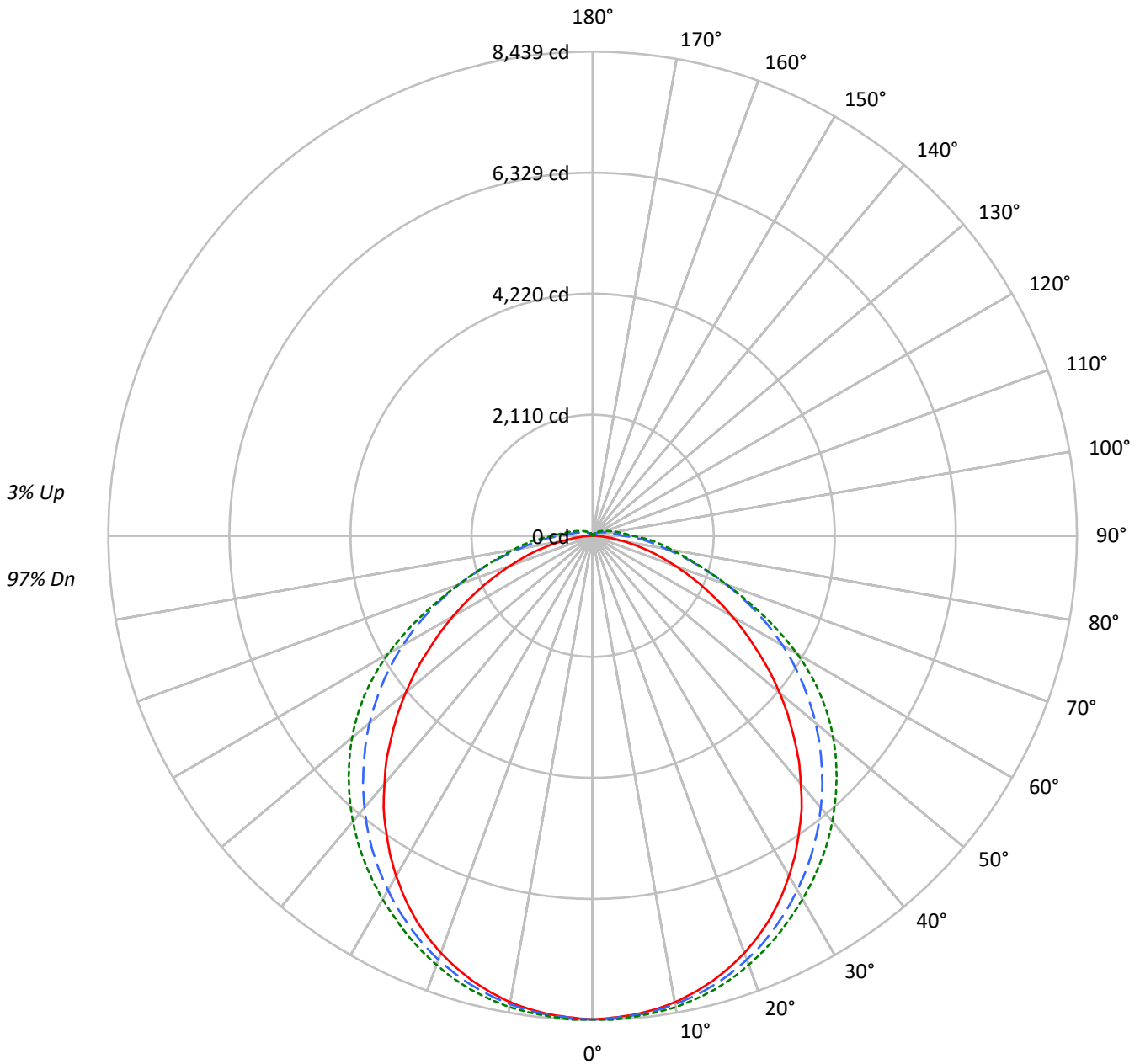
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25233.0 lumens  
Efficiency: N/A  
Efficacy: 154.0 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): 163.8  
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: P830198

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L950-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P830198

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L950-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	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°	13334	13334	13334
5°	13248	13207	13248
10°	13155	13091	13178
15°	13008	12952	13087
20°	12814	12781	12954
25°	12553	12569	12819
30°	12192	12338	12683
35°	11755	12093	12566
40°	11231	11809	12451
45°	10613	11501	12304
50°	9936	11190	12125
55°	9104	10808	11823
60°	8252	10359	11220
65°	7323	9785	10230
70°	6315	9054	9158
75°	5294	8209	8433
80°	4014	7599	8366
85°	2540	7898	9349



TEST NUMBER: P830198

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L950-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	798.9	3.2
10°-20°	2291.9	9.1
20°-30°	3466.1	13.7
30°-40°	4161.1	16.5
40°-50°	4297.8	17.0
50°-60°	3866.6	15.3
60°-70°	2912.7	11.5
70°-80°	1758.8	7.0
80°-90°	860.2	3.4
90°-100°	362.1	1.4
100°-110°	206.7	0.8
110°-120°	121.3	0.5
120°-130°	68.6	0.3
130°-140°	36.1	0.1
140°-150°	17.6	0.1
150°-160°	6.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6556.9	26.0
0°-40°	10718.1	42.5
0°-60°	18882.5	74.8
0°-90°	24414.1	96.8
90°-120°	690.1	2.7
90°-150°	812.4	3.2
90°-180°	819.0	3.2
0°-180°	25233.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8431	8431	8431	8431	8431	
5°	8378	8400	8390	8423	8413	796
15°	8039	8078	8115	8184	8192	2266
25°	7342	7422	7527	7645	7664	3377
35°	6277	6423	6688	6890	6931	3924
45°	4954	5204	5639	5947	6011	3825
55°	3510	3873	4461	4798	4855	3147
65°	2142	2579	3157	3314	3277	2128
75°	1009	1448	1828	1876	1857	1076
85°	210	555	916	1042	1061	243
90°	0	217	524	660	687	13
95°	10	146	392	499	518	9
105°	14	85	227	297	310	14
115°	16	48	140	188	196	17
125°	16	23	85	122	128	15
135°	14	19	43	74	82	11
145°	21	19	21	37	43	12
155°	21	23	21	19	21	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830198

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L950-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8431.1	8431.1	8431.1	<i>8431.1</i>	8431.1
2.5°	<i>8406.4</i>	<i>8427.0</i>	<i>8414.6</i>	<i>8441.5</i>	<i>8439.4</i>
5°	8377.5	8400.2	8389.9	<i>8422.9</i>	8412.6
7.5°	8328.0	8352.7	8350.7	<i>8387.8</i>	8383.7
10°	8255.8	8282.6	8290.8	<i>8340.4</i>	8340.4
12.5°	8156.7	8191.8	8212.4	<i>8272.3</i>	8274.3
15°	8039.1	8078.3	8115.4	<i>8183.5</i>	8191.8
17.5°	7896.7	7946.2	7997.8	<i>8076.2</i>	8086.6
20°	7735.8	7791.5	7861.6	<i>7944.2</i>	7956.6
22.5°	7550.1	7616.1	7706.9	<i>7803.9</i>	7818.3
25°	7341.7	7422.1	7527.4	<i>7645.0</i>	7663.6
27.5°	7104.4	7197.2	7339.6	<i>7471.7</i>	7488.2
30°	6846.4	6955.8	7133.3	<i>7290.1</i>	7316.9
32.5°	6574.1	6699.9	6918.7	<i>7094.0</i>	7131.2
35°	6276.9	6423.4	6687.6	<i>6889.8</i>	6931.0
37.5°	5983.9	6144.9	6444.1	<i>6675.2</i>	6724.7
40°	5641.4	5841.6	6184.1	<i>6439.9</i>	6499.8
42.5°	5319.5	5536.2	5924.1	<i>6202.7</i>	6260.4
45°	4954.3	5204.0	5639.3	<i>5946.8</i>	6010.8
47.5°	4611.8	4882.1	5364.9	<i>5682.7</i>	5748.7
50°	4250.7	4547.8	5071.9	<i>5404.1</i>	5472.2
52.5°	3889.6	4209.4	4768.6	<i>5113.2</i>	5177.1
55°	3509.9	3873.0	4461.1	<i>4797.5</i>	4855.2
57.5°	3157.0	3540.8	4145.4	<i>4465.2</i>	4500.3
60°	2808.3	3206.6	3823.5	<i>4104.1</i>	4116.5
62.5°	2467.9	2886.7	3493.4	<i>3716.2</i>	3699.7
65°	2141.8	2579.3	3157.0	<i>3313.9</i>	3276.7
67.5°	1828.2	2280.1	2812.4	<i>2913.6</i>	2864.0
70°	1531.1	1989.1	2478.2	<i>2529.8</i>	2484.4
72.5°	1269.0	1712.6	2139.8	<i>2183.1</i>	2150.1
75°	1009.0	1448.5	1828.2	<i>1875.7</i>	1857.1
77.5°	765.5	1192.7	1541.4	<i>1603.3</i>	1607.4
80°	550.9	959.5	1291.7	<i>1388.7</i>	1401.1
82.5°	363.2	744.9	1083.3	<i>1207.1</i>	1225.7
85°	210.5	555.1	916.2	<i>1042.0</i>	1060.6
87.5°	90.8	400.3	736.6	<i>850.1</i>	872.8
90°	0.0	216.7	524.1	<i>660.3</i>	687.1
92.5°	6.2	179.5	449.8	<i>573.6</i>	596.3
95°	10.3	146.5	392.1	<i>499.3</i>	517.9
97.5°	12.4	123.8	340.5	<i>435.4</i>	454.0
100°	12.4	107.3	295.1	<i>381.7</i>	398.2
102.5°	12.4	94.9	257.9	<i>334.3</i>	348.7
105°	14.4	84.6	227.0	<i>297.1</i>	309.5



TEST NUMBER: P830198

CATALOG NUMBER: OHBL-30HE-MFL-UNV-L950-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	16.5	55.7	156.8	210.5	218.7
115°	16.5	47.5	140.3	187.8	196.0
117.5°	18.6	41.3	123.8	169.2	175.4
120°	18.6	35.1	109.4	150.6	158.9
122.5°	18.6	28.9	97.0	136.2	142.4
125°	16.5	22.7	84.6	121.7	127.9
127.5°	14.4	18.6	72.2	109.4	115.6
130°	14.4	16.5	61.9	97.0	103.2
132.5°	14.4	18.6	51.6	84.6	92.9
135°	14.4	18.6	43.3	74.3	82.5
137.5°	14.4	18.6	35.1	64.0	72.2
140°	16.5	18.6	28.9	53.6	61.9
142.5°	18.6	18.6	22.7	45.4	51.6
145°	20.6	18.6	20.6	37.1	43.3
147.5°	20.6	20.6	20.6	28.9	35.1
150°	20.6	22.7	20.6	22.7	28.9
152.5°	20.6	22.7	20.6	18.6	22.7
155°	20.6	22.7	20.6	18.6	20.6
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°	14.4	74.3	200.2	264.1	274.4
110°	14.4	66.0	177.5	235.2	245.5



(END OF REPORT)