

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: P830196

Luminaire Tested: **OHBL-30HE-MFL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830196
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-L935-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

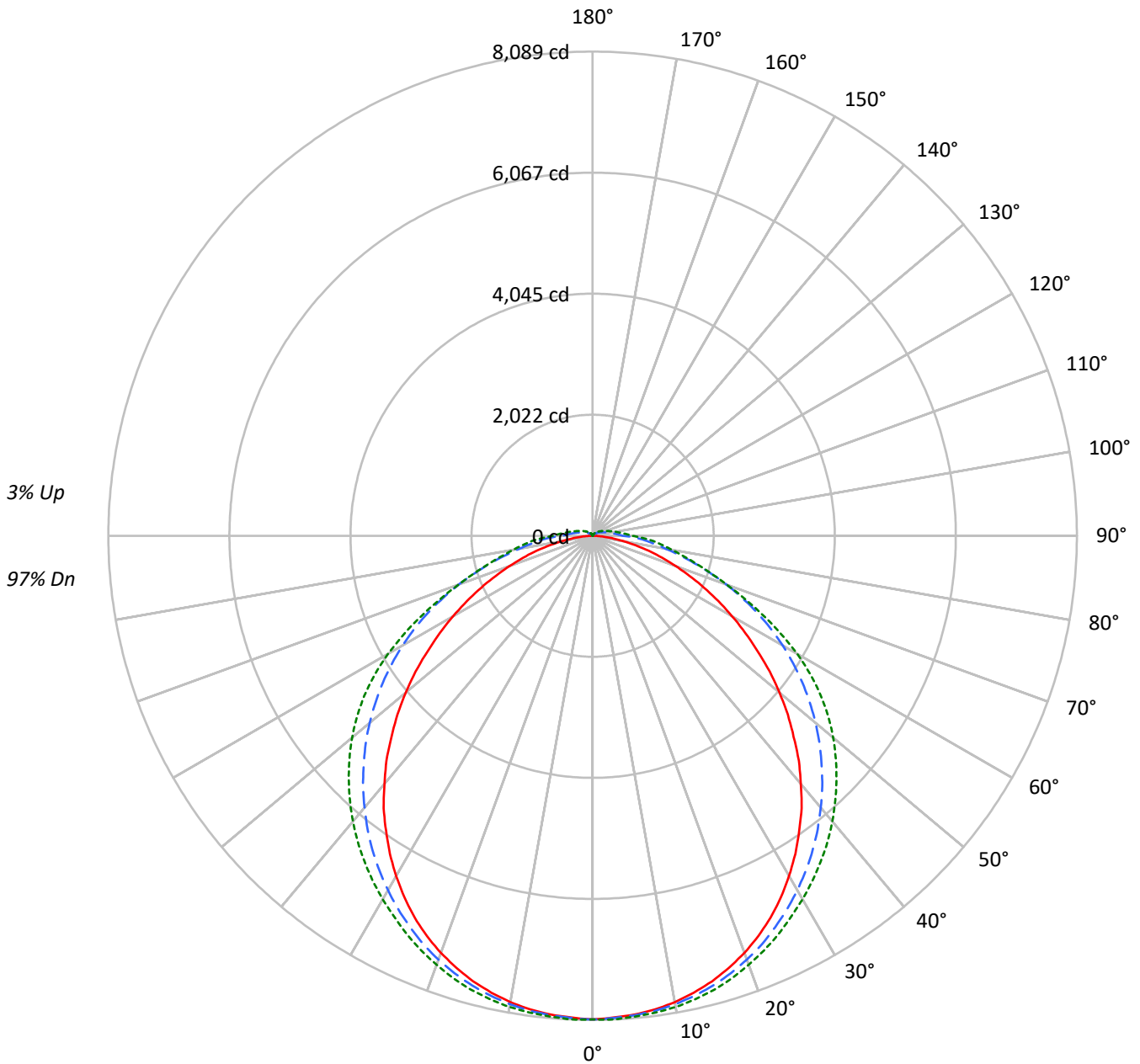
Lumens per Lamp: N/A
Luminaire Lumens: 24185.0 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 163.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	12780	12780	12780
5°	12698	12659	12698
10°	12609	12547	12631
15°	12468	12414	12544
20°	12281	12250	12416
25°	12031	12046	12287
30°	11686	11825	12157
35°	11267	11590	12044
40°	10765	11319	11934
45°	10172	11023	11793
50°	9523	10725	11622
55°	8726	10359	11332
60°	7910	9929	10755
65°	7019	9379	9805
70°	6052	8678	8777
75°	5074	7869	8083
80°	3848	7283	8019
85°	2434	7570	8960



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.7	3.2
10°-20°	2196.7	9.1
20°-30°	3322.2	13.7
30°-40°	3988.3	16.5
40°-50°	4119.3	17.0
50°-60°	3706.0	15.3
60°-70°	2791.7	11.5
70°-80°	1685.7	7.0
80°-90°	824.5	3.4
90°-100°	347.0	1.4
100°-110°	198.1	0.8
110°-120°	116.3	0.5
120°-130°	65.8	0.3
130°-140°	34.6	0.1
140°-150°	16.8	0.1
150°-160°	6.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6284.6	26.0
0°-40°	10272.9	42.5
0°-60°	18098.2	74.8
0°-90°	23400.1	96.8
90°-120°	661.4	2.7
90°-150°	778.6	3.2
90°-180°	785.0	3.2
0°-180°	24185.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8081	8081	8081	8081	8081	
5°	8030	8051	8041	8073	8063	763
15°	7705	7743	7778	7844	7852	2172
25°	7037	7114	7215	7328	7345	3237
35°	6016	6157	6410	6604	6643	3761
45°	4748	4988	5405	5700	5761	3666
55°	3364	3712	4276	4598	4654	3016
65°	2053	2472	3026	3176	3141	2040
75°	967	1388	1752	1798	1780	1032
85°	202	532	878	999	1016	233
90°	0	208	502	633	659	13
95°	10	140	376	479	496	8
105°	14	81	218	285	297	14
115°	16	46	134	180	188	16
125°	16	22	81	117	123	14
135°	14	18	42	71	79	11
145°	20	18	20	36	42	12
155°	20	22	20	18	20	6
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°	8081.0	8081.0	8081.0	<i>8081.0</i>	8081.0
2.5°	<i>8057.2</i>	<i>8077.0</i>	<i>8065.2</i>	<i>8090.9</i>	<i>8088.9</i>
5°	8029.6	8051.3	8041.4	<i>8073.1</i>	8063.2
7.5°	7982.1	8005.8	8003.8	<i>8039.4</i>	8035.5
10°	7912.9	7938.6	7946.5	<i>7994.0</i>	7994.0
12.5°	7817.9	7851.6	7871.3	<i>7928.7</i>	7930.7
15°	7705.2	7742.8	7778.4	<i>7843.7</i>	7851.6
17.5°	7568.7	7616.2	7665.7	<i>7740.8</i>	7750.7
20°	7414.5	7467.9	7535.1	<i>7614.2</i>	7626.1
22.5°	7236.5	7299.8	7386.8	<i>7479.8</i>	7493.6
25°	7036.7	7113.9	7214.7	<i>7327.5</i>	7345.3
27.5°	6809.3	6898.3	7034.8	<i>7161.3</i>	7177.2
30°	6562.1	6666.9	6837.0	<i>6987.3</i>	7013.0
32.5°	6301.0	6421.7	6631.3	<i>6799.4</i>	6835.0
35°	6016.2	6156.7	6409.8	<i>6603.6</i>	6643.2
37.5°	5735.4	5889.7	6176.4	<i>6397.9</i>	6445.4
40°	5407.1	5598.9	5927.2	<i>6172.5</i>	6229.8
42.5°	5098.6	5306.2	5678.0	<i>5945.0</i>	6000.4
45°	4748.5	4987.8	5405.1	<i>5699.8</i>	5761.1
47.5°	4420.2	4679.3	5142.1	<i>5446.7</i>	5509.9
50°	4074.1	4358.9	4861.2	<i>5179.7</i>	5244.9
52.5°	3728.0	4034.6	4570.5	<i>4900.8</i>	4962.1
55°	3364.1	3712.2	4275.8	<i>4598.2</i>	4653.6
57.5°	3025.9	3393.8	3973.2	<i>4279.8</i>	4313.4
60°	2691.7	3073.4	3664.7	<i>3933.7</i>	3945.6
62.5°	2365.4	2766.8	3348.3	<i>3561.9</i>	3546.1
65°	2052.9	2472.2	3025.9	<i>3176.2</i>	3140.6
67.5°	1752.3	2185.4	2695.6	<i>2792.5</i>	2745.1
70°	1467.5	1906.5	2375.2	<i>2424.7</i>	2381.2
72.5°	1216.3	1641.5	2050.9	<i>2092.4</i>	2060.8
75°	967.1	1388.4	1752.3	<i>1797.8</i>	1780.0
77.5°	733.7	1143.1	1477.4	<i>1536.7</i>	1540.6
80°	528.1	919.6	1238.1	<i>1331.0</i>	1342.9
82.5°	348.1	714.0	1038.3	<i>1157.0</i>	1174.8
85°	201.7	532.0	878.1	<i>998.8</i>	1016.5
87.5°	87.0	383.7	706.0	<i>814.8</i>	836.6
90°	0.0	207.7	502.3	<i>632.9</i>	658.6
92.5°	5.9	172.1	431.1	<i>549.8</i>	571.6
95°	9.9	140.4	375.8	<i>478.6</i>	496.4
97.5°	11.9	118.7	326.3	<i>417.3</i>	435.1
100°	11.9	102.8	282.8	<i>365.9</i>	381.7
102.5°	11.9	91.0	247.2	<i>320.4</i>	334.2
105°	13.8	81.1	217.5	<i>284.8</i>	296.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	15.8	53.4	150.3	201.7	209.6
115°	15.8	45.5	134.5	180.0	187.9
117.5°	17.8	39.6	118.7	162.2	168.1
120°	17.8	33.6	104.8	144.4	152.3
122.5°	17.8	27.7	93.0	130.5	136.5
125°	15.8	21.8	81.1	116.7	122.6
127.5°	13.8	17.8	69.2	104.8	110.8
130°	13.8	15.8	59.3	93.0	98.9
132.5°	13.8	17.8	49.4	81.1	89.0
135°	13.8	17.8	41.5	71.2	79.1
137.5°	13.8	17.8	33.6	61.3	69.2
140°	15.8	17.8	27.7	51.4	59.3
142.5°	17.8	17.8	21.8	43.5	49.4
145°	19.8	17.8	19.8	35.6	41.5
147.5°	19.8	19.8	19.8	27.7	33.6
150°	19.8	21.8	19.8	21.8	27.7
152.5°	19.8	21.8	19.8	17.8	21.8
155°	19.8	21.8	19.8	17.8	19.8
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°	13.8	71.2	191.8	253.1	263.0
110°	13.8	63.3	170.1	225.5	235.3



(END OF REPORT)