

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: P830185

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830185
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-30HE-MCL-UNV-L940-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

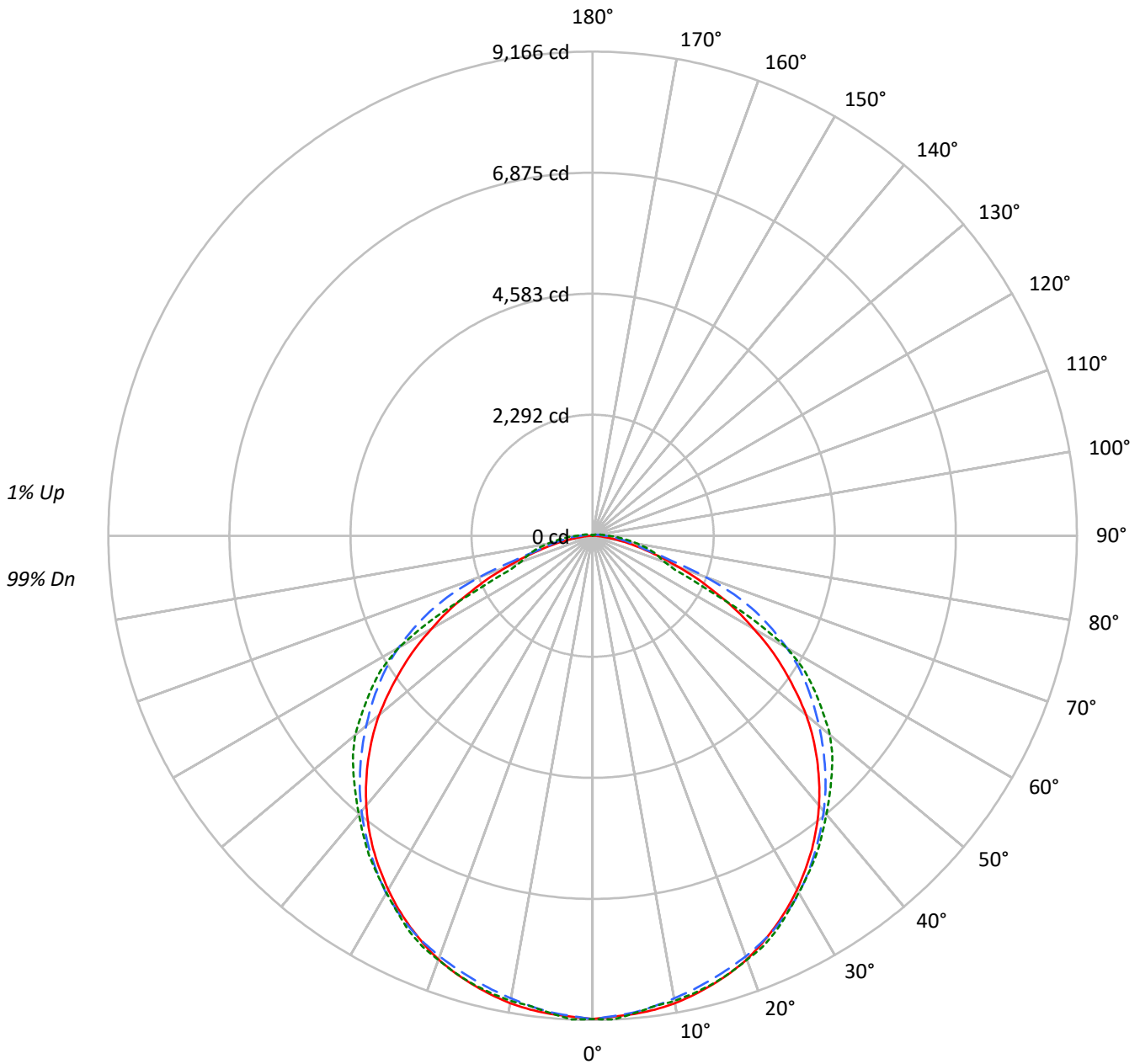
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25855.0 lumens
Efficiency: N/A
Efficacy: 157.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
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	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°	14467	14467	14467
5°	14372	14256	14286
10°	14319	14040	14128
15°	14228	13879	14033
20°	14137	13777	13909
25°	13967	13675	13786
30°	13781	13513	13525
35°	13560	13257	13381
40°	13271	12992	13185
45°	12871	12686	13099
50°	12330	12337	12995
55°	11469	11994	12510
60°	10343	11493	11566
65°	8872	10561	7330
70°	7146	8244	5314
75°	5358	4894	5393
80°	3730	4070	5150
85°	2122	3729	4827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	862.5	3.3
10°-20°	2473.3	9.6
20°-30°	3777.5	14.6
30°-40°	4583.4	17.7
40°-50°	4803.9	18.6
50°-60°	4353.1	16.8
60°-70°	2918.5	11.3
70°-80°	1310.6	5.1
80°-90°	475.6	1.8
90°-100°	143.2	0.6
100°-110°	67.5	0.3
110°-120°	33.9	0.1
120°-130°	18.7	0.1
130°-140°	12.8	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°	7113.4	27.5
0°-40°	11696.8	45.2
0°-60°	20853.8	80.7
0°-90°	25558.5	98.9
90°-120°	244.5	0.9
90°-150°	284.7	1.1
90°-180°	296.0	1.1
0°-180°	25855.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9148	9148	9148	9148	9148	
5°	9088	9120	9056	9084	9072	864
15°	8793	8759	8696	8773	8784	2483
25°	8169	8133	8190	8265	8242	3765
35°	7240	7257	7332	7410	7380	4525
45°	6009	6107	6220	6379	6399	4629
55°	4422	4635	4951	5149	5137	3947
65°	2595	3001	3407	2876	2348	2586
75°	1021	1481	1090	1115	1188	1116
85°	176	337	432	522	548	215
90°	1	112	224	280	294	10
95°	1	70	153	186	192	2
105°	5	30	75	91	95	6
115°	11	16	38	49	52	10
125°	9	11	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°	9147.5	9147.5	9147.5	9147.5	<i>9147.5</i>
2.5°	<i>9110.5</i>	<i>9148.8</i>	<i>9101.2</i>	<i>9152.8</i>	<i>9166.0</i>
5°	9088.0	9119.7	9056.3	9084.0	<i>9072.1</i>
7.5°	9047.0	9057.6	8982.2	9004.7	<i>8980.9</i>
10°	8986.2	8980.9	8892.2	8935.9	<i>8941.2</i>
12.5°	8896.2	8880.3	8801.0	8867.1	<i>8868.4</i>
15°	8793.0	8758.7	8696.5	8773.2	<i>8783.8</i>
17.5°	8674.0	8629.0	8588.0	8687.2	<i>8671.4</i>
20°	8535.1	8482.2	8474.3	8582.7	<i>8543.1</i>
22.5°	8363.2	8322.2	8340.7	8443.9	<i>8418.7</i>
25°	8168.8	8133.0	8189.9	8265.3	<i>8241.5</i>
27.5°	7963.7	7942.6	8007.4	8065.6	<i>8019.3</i>
30°	7738.9	7727.0	7813.0	7860.6	<i>7802.4</i>
32.5°	7494.2	7498.2	7580.2	7645.0	<i>7590.7</i>
35°	7240.2	7257.4	7331.5	7409.5	<i>7380.4</i>
37.5°	6961.2	6999.5	7073.6	7162.2	<i>7131.8</i>
40°	6666.2	6721.8	6803.8	6910.9	<i>6883.1</i>
42.5°	6347.4	6417.5	6523.4	6642.4	<i>6639.8</i>
45°	6008.8	6106.7	6220.5	6379.2	<i>6399.0</i>
47.5°	5657.0	5766.8	5911.0	6122.6	<i>6153.0</i>
50°	5274.8	5412.3	5592.2	5846.2	<i>5864.7</i>
52.5°	4848.9	5036.7	5274.8	5518.1	<i>5495.7</i>
55°	4421.7	4634.6	4950.7	5149.1	<i>5137.2</i>
57.5°	3995.8	4235.2	4618.7	4760.3	<i>4758.9</i>
60°	3519.6	3822.5	4241.8	4348.9	<i>4243.1</i>
62.5°	3079.2	3404.5	3839.7	3761.6	<i>3399.2</i>
65°	2595.1	3001.1	3407.2	2875.5	<i>2347.7</i>
67.5°	2165.2	2588.4	2894.0	1969.4	<i>1686.4</i>
70°	1732.7	2199.6	2256.5	1461.5	<i>1441.7</i>
72.5°	1349.1	1846.4	1556.8	1251.2	<i>1314.7</i>
75°	1021.1	1481.4	1089.9	1115.0	<i>1187.7</i>
77.5°	744.7	1137.5	847.8	977.4	<i>1037.0</i>
80°	511.9	805.5	691.8	821.4	<i>862.4</i>
82.5°	321.4	531.7	554.2	661.3	<i>703.7</i>
85°	175.9	337.3	432.5	522.5	<i>547.6</i>
87.5°	72.7	203.7	330.7	403.4	<i>424.6</i>
90°	1.3	112.4	223.5	280.4	<i>293.6</i>
92.5°	1.3	86.0	182.5	226.2	<i>235.4</i>
95°	1.3	70.1	153.4	186.5	<i>191.8</i>
97.5°	2.6	55.6	128.3	154.8	<i>160.0</i>
100°	4.0	46.3	107.1	129.6	<i>133.6</i>
102.5°	5.3	37.0	89.9	108.5	<i>112.4</i>
105°	5.3	30.4	75.4	91.3	<i>95.2</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.3	18.5	45.0	56.9	59.5
115°	10.6	15.9	38.4	48.9	51.6
117.5°	10.6	13.2	33.1	41.0	43.6
120°	10.6	11.9	29.1	35.7	37.0
122.5°	10.6	10.6	25.1	31.7	33.1
125°	9.3	10.6	23.8	27.8	29.1
127.5°	10.6	10.6	21.2	25.1	26.5
130°	10.6	11.9	18.5	23.8	23.8
132.5°	11.9	13.2	17.2	22.5	22.5
135°	11.9	13.2	14.5	21.2	22.5
137.5°	13.2	13.2	13.2	19.8	21.2
140°	13.2	13.2	11.9	17.2	18.5
142.5°	11.9	13.2	11.9	15.9	17.2
145°	11.9	13.2	13.2	14.5	15.9
147.5°	13.2	13.2	13.2	13.2	14.5
150°	13.2	13.2	13.2	13.2	13.2
152.5°	13.2	13.2	13.2	13.2	13.2
155°	13.2	14.5	14.5	14.5	13.2
157.5°	13.2	14.5	14.5	14.5	14.5
160°	13.2	14.5	14.5	14.5	14.5
162.5°	14.5	14.5	14.5	14.5	14.5
165°	14.5	14.5	14.5	14.5	14.5
167.5°	14.5	15.9	14.5	14.5	14.5
170°	14.5	14.5	14.5	13.2	13.2
172.5°	14.5	14.5	14.5	13.2	13.2
175°	14.5	14.5	13.2	11.9	11.9
177.5°	15.9	14.5	13.2	11.9	10.6
180°	13.2	13.2	13.2	13.2	13.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.6	25.1	64.8	78.0	80.7
110°	7.9	21.2	54.2	66.1	68.8



(END OF REPORT)