

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: P829322

Luminaire Tested: **OHB-30HE-MCL-UNV-L950-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P829322
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: OHB-30HE-MCL-UNV-L950-CD
Description: 30000 LUMEN OHB HE LED LUMINAIRE WITH 90CRI, 5000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

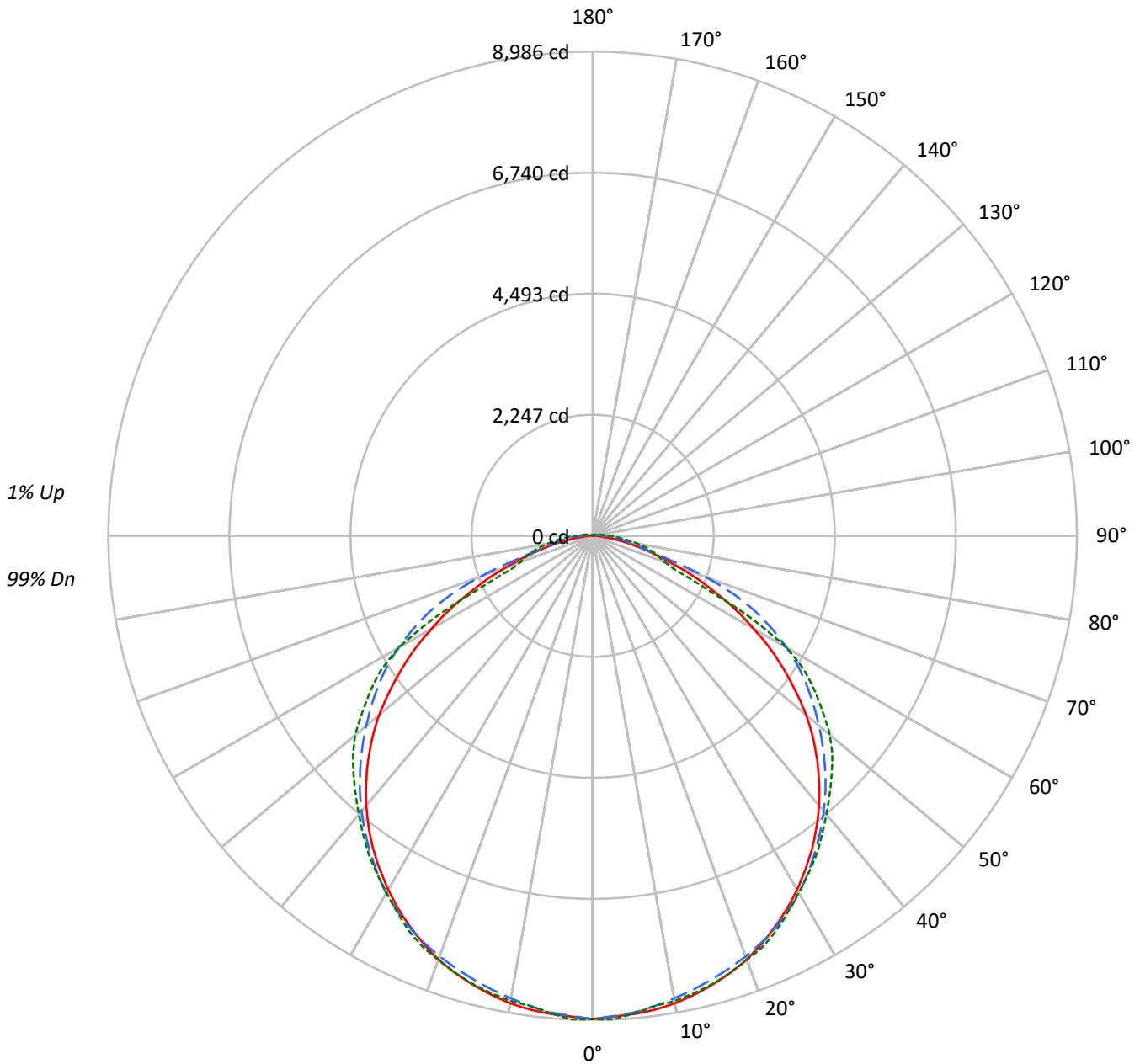
Lumens per Lamp: N/A
Luminaire Lumens: 25347.1 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 169
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°	27738	27738	27738
5°	27456	27265	27393
10°	27255	26783	27088
15°	26980	26406	26907
20°	26704	26143	26669
25°	26275	25876	26433
30°	25812	25495	25933
35°	25276	24932	25657
40°	24607	24348	25282
45°	23723	23681	25115
50°	22565	22926	24916
55°	20813	22169	23986
60°	18571	21102	22175
65°	15714	19231	14054
70°	12419	14847	10189
75°	9050	8675	10341
80°	6003	7035	9873
85°	3083	6153	9254



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	845.6	3.3
10°-20°	2424.7	9.6
20°-30°	3703.3	14.6
30°-40°	4493.4	17.7
40°-50°	4709.5	18.6
50°-60°	4267.5	16.8
60°-70°	2861.2	11.3
70°-80°	1284.8	5.1
80°-90°	466.2	1.8
90°-100°	140.3	0.6
100°-110°	66.2	0.3
110°-120°	33.2	0.1
120°-130°	18.3	0.1
130°-140°	12.6	0.0
140°-150°	8.5	0.0
150°-160°	6.3	0.0
160°-170°	4.1	0.0
170°-180°	1.3	0.0
0°-30°	6973.6	27.5
0°-40°	11467.0	45.2
0°-60°	20444.0	80.7
0°-90°	25056.3	98.9
90°-120°	239.8	0.9
90°-150°	279.1	1.1
90°-180°	291.0	1.1
0°-180°	25347.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8968	8968	8968	8968	8968	
5°	8909	8941	8878	8906	8894	847
15°	8620	8587	8526	8601	8611	2434
25°	8008	7973	8029	8103	8080	3691
35°	7098	7115	7188	7264	7235	4436
45°	5891	5987	6098	6254	6273	4538
55°	4335	4544	4853	5048	5036	3869
65°	2544	2942	3340	2819	2302	2535
75°	1001	1452	1068	1093	1164	1094
85°	172	331	424	512	537	210
90°	1	110	219	275	288	10
95°	1	69	150	183	188	2
105°	5	30	74	90	93	6
115°	10	16	38	48	51	10
125°	9	10	23	27	28	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°	8967.8	8967.8	8967.8	8967.8	<i>8967.8</i>
2.5°	<i>8931.5</i>	<i>8969.1</i>	<i>8922.4</i>	<i>8973.0</i>	<i>8985.9</i>
5°	8909.4	8940.6	8878.3	8905.5	<i>8893.9</i>
7.5°	8869.2	8879.6	8805.7	8827.7	<i>8804.4</i>
10°	8809.6	8804.4	8717.5	8760.3	<i>8765.5</i>
12.5°	8721.4	8705.9	8628.1	8692.9	<i>8694.2</i>
15°	8620.3	8586.6	8525.6	8600.8	<i>8611.2</i>
17.5°	8503.6	8459.5	8419.3	8516.5	<i>8501.0</i>
20°	8367.4	8315.6	8307.8	8414.1	<i>8375.2</i>
22.5°	8198.9	8158.7	8176.8	8278.0	<i>8253.3</i>
25°	8008.3	7973.2	8029.0	8102.9	<i>8079.6</i>
27.5°	7807.3	7786.5	7850.1	7907.1	<i>7861.7</i>
30°	7586.8	7575.2	7659.4	7706.1	<i>7649.1</i>
32.5°	7346.9	7350.8	7431.2	7494.8	<i>7441.6</i>
35°	7098.0	7114.8	7187.5	7264.0	<i>7235.4</i>
37.5°	6824.4	6862.0	6934.6	7021.5	<i>6991.7</i>
40°	6535.2	6589.7	6670.1	6775.1	<i>6747.9</i>
42.5°	6222.7	6291.5	6395.2	6511.9	<i>6509.3</i>
45°	5890.8	5986.7	6098.3	6253.9	<i>6273.3</i>
47.5°	5545.9	5653.5	5794.8	6002.3	<i>6032.1</i>
50°	5171.1	5306.0	5482.3	5731.3	<i>5749.4</i>
52.5°	4753.6	4937.7	5171.1	5409.7	<i>5387.7</i>
55°	4334.8	4543.5	4853.4	5047.9	<i>5036.3</i>
57.5°	3917.2	4151.9	4528.0	4666.7	<i>4665.4</i>
60°	3450.4	3747.4	4158.4	4263.5	<i>4159.7</i>
62.5°	3018.7	3337.6	3764.2	3687.7	<i>3332.4</i>
65°	2544.1	2942.2	3340.2	2819.0	<i>2301.6</i>
67.5°	2122.7	2537.6	2837.1	1930.7	<i>1653.3</i>
70°	1698.6	2156.4	2212.1	1432.8	<i>1413.4</i>
72.5°	1322.6	1810.2	1526.2	1226.7	<i>1288.9</i>
75°	1001.0	1452.3	1068.5	1093.1	<i>1164.4</i>
77.5°	730.0	1115.1	831.2	958.2	<i>1016.6</i>
80°	501.8	789.7	678.2	805.2	<i>845.4</i>
82.5°	315.1	521.3	543.3	648.3	<i>689.8</i>
85°	172.5	330.7	424.0	512.2	<i>536.8</i>
87.5°	71.3	199.7	324.2	395.5	<i>416.2</i>
90°	1.3	110.2	219.1	274.9	<i>287.9</i>
92.5°	1.3	84.3	178.9	221.7	<i>230.8</i>
95°	1.3	68.7	150.4	182.8	<i>188.0</i>
97.5°	2.6	54.5	125.8	151.7	<i>156.9</i>
100°	3.9	45.4	105.0	127.1	<i>131.0</i>
102.5°	5.2	36.3	88.2	106.3	<i>110.2</i>
105°	5.2	29.8	73.9	89.5	<i>93.4</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.1	18.2	44.1	55.8	58.4
115°	10.4	15.6	37.6	48.0	50.6
117.5°	10.4	13.0	32.4	40.2	42.8
120°	10.4	11.7	28.5	35.0	36.3
122.5°	10.4	10.4	24.6	31.1	32.4
125°	9.1	10.4	23.3	27.2	28.5
127.5°	10.4	10.4	20.7	24.6	25.9
130°	10.4	11.7	18.2	23.3	23.3
132.5°	11.7	13.0	16.9	22.0	22.0
135°	11.7	13.0	14.3	20.7	22.0
137.5°	13.0	13.0	13.0	19.5	20.7
140°	13.0	13.0	11.7	16.9	18.2
142.5°	11.7	13.0	11.7	15.6	16.9
145°	11.7	13.0	13.0	14.3	15.6
147.5°	13.0	13.0	13.0	13.0	14.3
150°	13.0	13.0	13.0	13.0	13.0
152.5°	13.0	13.0	13.0	13.0	13.0
155°	13.0	14.3	14.3	14.3	13.0
157.5°	13.0	14.3	14.3	14.3	14.3
160°	13.0	14.3	14.3	14.3	14.3
162.5°	14.3	14.3	14.3	14.3	14.3
165°	14.3	14.3	14.3	14.3	14.3
167.5°	14.3	15.6	14.3	14.3	14.3
170°	14.3	14.3	14.3	13.0	13.0
172.5°	14.3	14.3	14.3	13.0	13.0
175°	14.3	14.3	13.0	11.7	11.7
177.5°	15.6	14.3	13.0	11.7	10.4
180°	13.0	13.0	13.0	13.0	13.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.5	24.6	63.5	76.5	79.1
110°	7.8	20.7	53.2	64.8	67.4



(END OF REPORT)