

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: P829527

Luminaire Tested: **OHB-9HE-MCL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829527
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-9HE-MCL-UNV-L730-CD
Description: 9000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

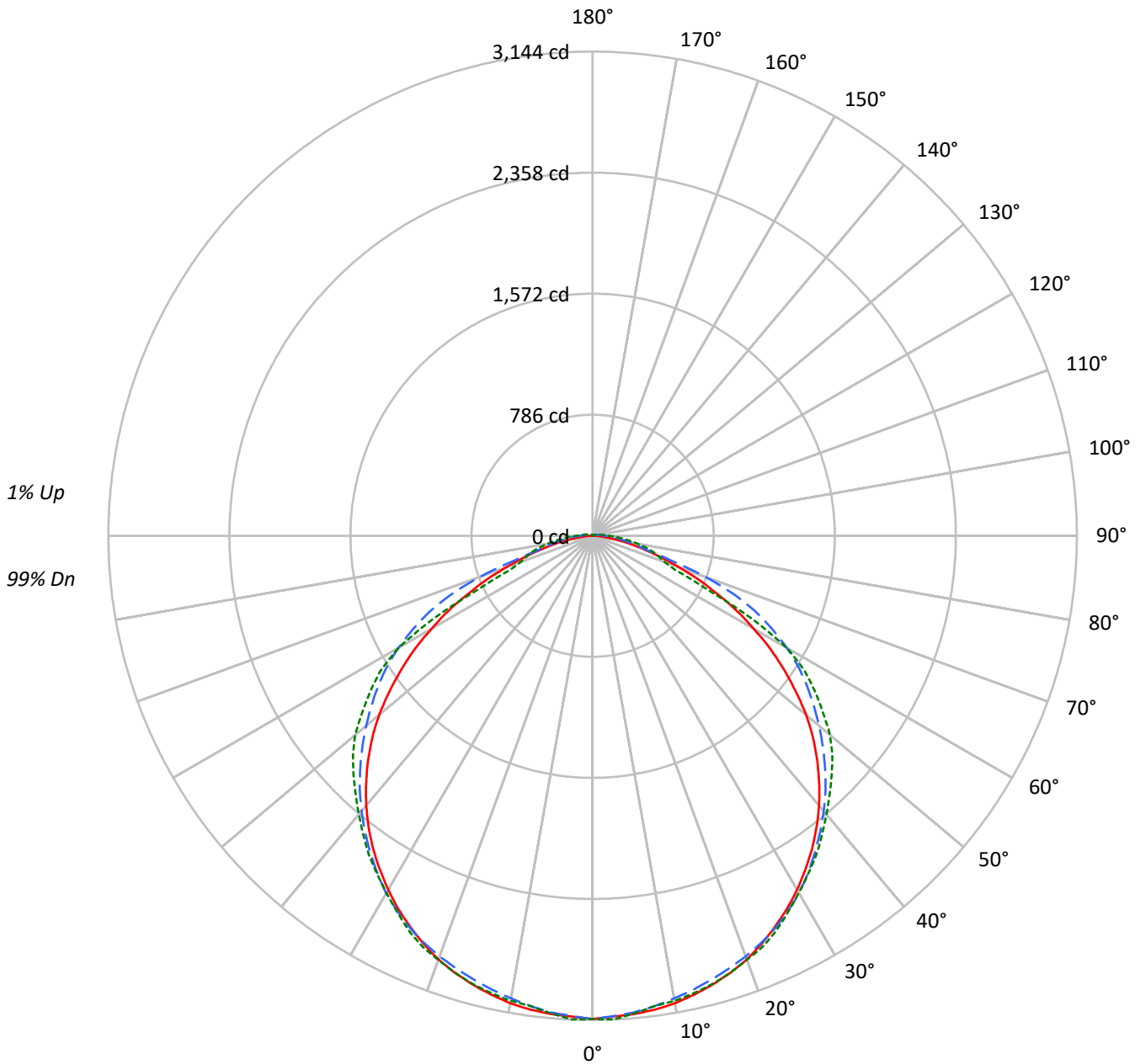
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8868.0 lumens
Efficiency: N/A
Efficacy: 170.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52
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°	10481	10481	10481
5°	10374	10297	10344
10°	10298	10111	10222
15°	10195	9964	10147
20°	10090	9860	10051
25°	9928	9755	9955
30°	9753	9606	9759
35°	9550	9389	9647
40°	9298	9164	9498
45°	8964	8907	9426
50°	8526	8616	9340
55°	7864	8324	8979
60°	7017	7915	8287
65°	5938	7203	5241
70°	4693	5550	3789
75°	3420	3235	3829
80°	2269	2613	3631
85°	1164	2269	3358



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.8	3.3
10°-20°	848.3	9.6
20°-30°	1295.7	14.6
30°-40°	1572.1	17.7
40°-50°	1647.7	18.6
50°-60°	1493.1	16.8
60°-70°	1001.0	11.3
70°-80°	449.5	5.1
80°-90°	163.1	1.8
90°-100°	49.1	0.6
100°-110°	23.2	0.3
110°-120°	11.6	0.1
120°-130°	6.4	0.1
130°-140°	4.4	0.0
140°-150°	2.9	0.0
150°-160°	2.2	0.0
160°-170°	1.4	0.0
170°-180°	0.4	0.0
0°-30°	2439.8	27.5
0°-40°	4011.9	45.2
0°-60°	7152.6	80.7
0°-90°	8766.3	98.9
90°-120°	83.9	0.9
90°-150°	97.6	1.1
90°-180°	102.0	1.2
0°-180°	8868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3138	3138	3138	3138	3138	
5°	3117	3128	3106	3116	3112	296
15°	3016	3004	2983	3009	3013	852
25°	2802	2790	2809	2835	2827	1291
35°	2483	2489	2515	2541	2531	1552
45°	2061	2094	2134	2188	2195	1588
55°	1517	1590	1698	1766	1762	1354
65°	890	1029	1169	986	805	887
75°	350	508	374	382	407	383
85°	60	116	148	179	188	74
90°	0	39	77	96	101	4
95°	0	24	53	64	66	1
105°	2	10	26	31	33	2
115°	4	5	13	17	18	3
125°	3	4	8	10	10	3
135°	4	4	5	7	8	3
145°	4	4	4	5	5	3
155°	4	5	5	5	4	2
165°	5	5	5	5	5	1
175°	5	5	4	4	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3137.5	3137.5	3137.5	3137.5	<i>3137.5</i>
2.5°	<i>3124.8</i>	<i>3138.0</i>	<i>3121.6</i>	<i>3139.3</i>	<i>3143.9</i>
5°	3117.1	3128.0	3106.2	3115.7	<i>3111.6</i>
7.5°	3103.0	3106.7	3080.8	3088.5	<i>3080.3</i>
10°	3082.2	3080.3	3049.9	3064.9	<i>3066.7</i>
12.5°	3051.3	3045.9	3018.6	3041.3	<i>3041.8</i>
15°	3015.9	3004.1	2982.8	3009.1	<i>3012.7</i>
17.5°	2975.1	2959.7	2945.6	2979.6	<i>2974.2</i>
20°	2927.5	2909.3	2906.6	2943.8	<i>2930.2</i>
22.5°	2868.5	2854.4	2860.8	2896.2	<i>2887.5</i>
25°	2801.8	2789.5	2809.1	2834.9	<i>2826.7</i>
27.5°	2731.5	2724.2	2746.5	2766.4	<i>2750.5</i>
30°	2654.4	2650.3	2679.8	2696.1	<i>2676.1</i>
32.5°	2570.4	2571.8	2599.9	2622.1	<i>2603.5</i>
35°	2483.3	2489.2	2514.6	2541.4	<i>2531.4</i>
37.5°	2387.6	2400.8	2426.2	2456.6	<i>2446.1</i>
40°	2286.4	2305.5	2333.6	2370.4	<i>2360.8</i>
42.5°	2177.1	2201.2	2237.4	2278.3	<i>2277.4</i>
45°	2061.0	2094.5	2133.6	2188.0	<i>2194.8</i>
47.5°	1940.3	1978.0	2027.4	2100.0	<i>2110.4</i>
50°	1809.2	1856.4	1918.1	2005.2	<i>2011.5</i>
52.5°	1663.1	1727.5	1809.2	1892.7	<i>1885.0</i>
55°	1516.6	1589.6	1698.0	1766.1	<i>1762.0</i>
57.5°	1370.5	1452.6	1584.2	1632.7	<i>1632.3</i>
60°	1207.2	1311.1	1454.9	1491.6	<i>1455.3</i>
62.5°	1056.1	1167.7	1317.0	1290.2	<i>1165.9</i>
65°	890.1	1029.4	1168.6	986.3	<i>805.2</i>
67.5°	742.6	887.8	992.6	675.5	<i>578.4</i>
70°	594.3	754.4	773.9	501.3	<i>494.5</i>
72.5°	462.7	633.3	534.0	429.2	<i>450.9</i>
75°	350.2	508.1	373.8	382.4	<i>407.4</i>
77.5°	255.4	390.1	290.8	335.3	<i>355.7</i>
80°	175.6	276.3	237.3	281.7	<i>295.8</i>
82.5°	110.2	182.4	190.1	226.8	<i>241.3</i>
85°	60.3	115.7	148.3	179.2	<i>187.8</i>
87.5°	25.0	69.9	113.4	138.4	<i>145.6</i>
90°	0.5	38.6	76.7	96.2	<i>100.7</i>
92.5°	0.5	29.5	62.6	77.6	<i>80.8</i>
95°	0.5	24.0	52.6	64.0	<i>65.8</i>
97.5°	0.9	19.1	44.0	53.1	<i>54.9</i>
100°	1.4	15.9	36.7	44.5	<i>45.8</i>
102.5°	1.8	12.7	30.8	37.2	<i>38.6</i>
105°	1.8	10.4	25.9	31.3	<i>32.7</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	6.4	15.4	19.5	20.4
115°	3.6	5.4	13.2	16.8	17.7
117.5°	3.6	4.5	11.3	14.1	15.0
120°	3.6	4.1	10.0	12.2	12.7
122.5°	3.6	3.6	8.6	10.9	11.3
125°	3.2	3.6	8.2	9.5	10.0
127.5°	3.6	3.6	7.3	8.6	9.1
130°	3.6	4.1	6.4	8.2	8.2
132.5°	4.1	4.5	5.9	7.7	7.7
135°	4.1	4.5	5.0	7.3	7.7
137.5°	4.5	4.5	4.5	6.8	7.3
140°	4.5	4.5	4.1	5.9	6.4
142.5°	4.1	4.5	4.1	5.4	5.9
145°	4.1	4.5	4.5	5.0	5.4
147.5°	4.5	4.5	4.5	4.5	5.0
150°	4.5	4.5	4.5	4.5	4.5
152.5°	4.5	4.5	4.5	4.5	4.5
155°	4.5	5.0	5.0	5.0	4.5
157.5°	4.5	5.0	5.0	5.0	5.0
160°	4.5	5.0	5.0	5.0	5.0
162.5°	5.0	5.0	5.0	5.0	5.0
165°	5.0	5.0	5.0	5.0	5.0
167.5°	5.0	5.4	5.0	5.0	5.0
170°	5.0	5.0	5.0	4.5	4.5
172.5°	5.0	5.0	5.0	4.5	4.5
175°	5.0	5.0	4.5	4.1	4.1
177.5°	5.4	5.0	4.5	4.1	3.6
180°	4.5	4.5	4.5	4.5	4.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.3	8.6	22.2	26.8	27.7
110°	2.7	7.3	18.6	22.7	23.6



(END OF REPORT)