

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: P830896

Luminaire Tested: **OHBL-9HE-MCL-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830896
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-9HE-MCL-UNV-L735-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

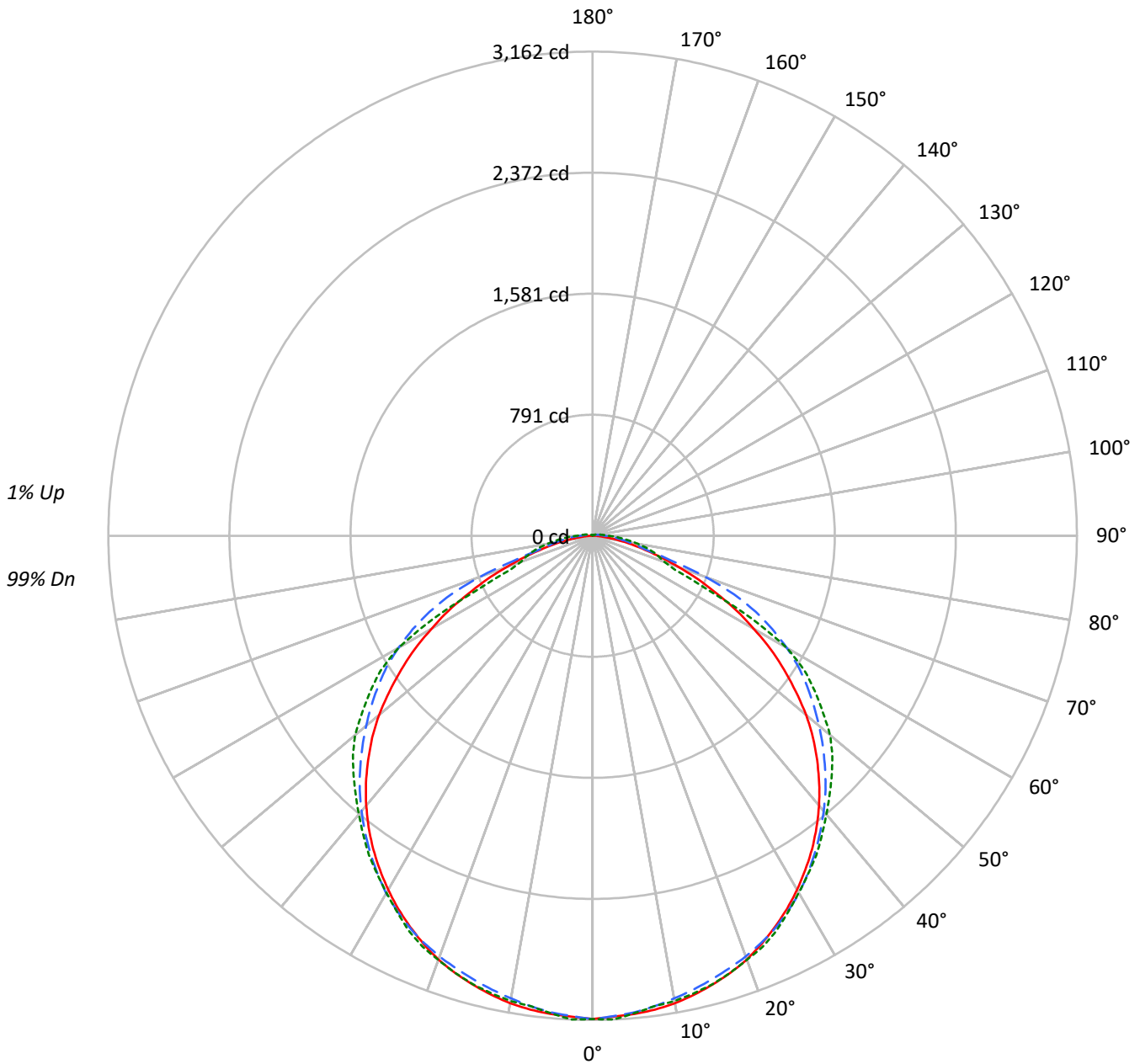
Lumens per Lamp: N/A
Luminaire Lumens: 8920.1 lumens
Efficiency: N/A
Efficacy: 171.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	5390	5390	5390
5°	5355	5309	5320
10°	5335	5227	5257
15°	5302	5164	5219
20°	5268	5124	5169
25°	5204	5083	5120
30°	5135	5021	5019
35°	5052	4923	4962
40°	4945	4821	4885
45°	4796	4704	4848
50°	4594	4571	4804
55°	4274	4440	4618
60°	3854	4249	4262
65°	3306	3899	2695
70°	2663	3037	1948
75°	1996	1798	1969
80°	1390	1488	1867
85°	791	1351	1727



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.6	3.3
10°-20°	853.3	9.6
20°-30°	1303.3	14.6
30°-40°	1581.3	17.7
40°-50°	1657.4	18.6
50°-60°	1501.8	16.8
60°-70°	1006.9	11.3
70°-80°	452.1	5.1
80°-90°	164.1	1.8
90°-100°	49.4	0.6
100°-110°	23.3	0.3
110°-120°	11.7	0.1
120°-130°	6.5	0.1
130°-140°	4.4	0.0
140°-150°	3.0	0.0
150°-160°	2.2	0.0
160°-170°	1.4	0.0
170°-180°	0.5	0.0
0°-30°	2454.1	27.5
0°-40°	4035.4	45.2
0°-60°	7194.6	80.7
0°-90°	8817.7	98.9
90°-120°	84.4	0.9
90°-150°	98.3	1.1
90°-180°	102.0	1.1
0°-180°	8920.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3156	3156	3156	3156	3156	
5°	3135	3146	3124	3134	3130	298
15°	3034	3022	3000	3027	3030	857
25°	2818	2806	2826	2852	2843	1299
35°	2498	2504	2529	2556	2546	1561
45°	2073	2107	2146	2201	2208	1597
55°	1526	1599	1708	1776	1772	1362
65°	895	1035	1176	992	810	892
75°	352	511	376	385	410	385
85°	61	116	149	180	189	74
90°	0	39	77	97	101	4
95°	0	24	53	64	66	1
105°	2	10	26	32	33	2
115°	4	6	13	17	18	3
125°	3	4	8	10	10	3
135°	4	5	5	7	8	3
145°	4	5	5	5	6	3
155°	5	5	5	5	5	2
165°	5	5	5	5	5	1
175°	5	5	5	4	4	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3155.9	3155.9	3155.9	3155.9	<i>3155.9</i>
2.5°	<i>3143.1</i>	<i>3156.4</i>	<i>3139.9</i>	<i>3157.7</i>	<i>3162.3</i>
5°	3135.4	3146.3	3124.4	3134.0	<i>3129.9</i>
7.5°	3121.2	3124.9	3098.9	3106.6	<i>3098.4</i>
10°	3100.2	3098.4	3067.8	3082.9	<i>3084.7</i>
12.5°	3069.2	3063.7	3036.3	3059.2	<i>3059.6</i>
15°	3033.6	3021.7	3000.3	3026.8	<i>3030.4</i>
17.5°	2992.5	2977.0	2962.9	2997.1	<i>2991.6</i>
20°	2944.6	2926.4	2923.6	2961.1	<i>2947.4</i>
22.5°	2885.3	2871.2	2877.5	2913.1	<i>2904.5</i>
25°	2818.2	2805.9	2825.5	2851.5	<i>2843.3</i>
27.5°	2747.5	2740.2	2762.6	2782.6	<i>2766.7</i>
30°	2669.9	2665.8	2695.5	2711.9	<i>2691.8</i>
32.5°	2585.5	2586.9	2615.2	2637.5	<i>2618.8</i>
35°	2497.9	2503.8	2529.4	2556.3	<i>2546.3</i>
37.5°	2401.6	2414.8	2440.4	2471.0	<i>2460.5</i>
40°	2299.8	2319.0	2347.3	2384.3	<i>2374.7</i>
42.5°	2189.9	2214.1	2250.6	2291.6	<i>2290.7</i>
45°	2073.1	2106.8	2146.1	2200.8	<i>2207.7</i>
47.5°	1951.7	1989.6	2039.3	2112.3	<i>2122.8</i>
50°	1819.8	1867.3	1929.3	2016.9	<i>2023.3</i>
52.5°	1672.9	1737.7	1819.8	1903.8	<i>1896.0</i>
55°	1525.5	1598.9	1708.0	1776.5	<i>1772.3</i>
57.5°	1378.5	1461.1	1593.5	1642.3	<i>1641.8</i>
60°	1214.3	1318.8	1463.4	1500.4	<i>1463.9</i>
62.5°	1062.3	1174.6	1324.7	1297.8	<i>1172.7</i>
65°	895.3	1035.4	1175.5	992.0	<i>810.0</i>
67.5°	747.0	893.0	998.4	679.5	<i>581.8</i>
70°	597.8	758.9	778.5	504.2	<i>497.4</i>
72.5°	465.4	637.0	537.1	431.7	<i>453.6</i>
75°	352.3	511.1	376.0	384.7	<i>409.8</i>
77.5°	256.9	392.4	292.5	337.2	<i>357.8</i>
80°	176.6	277.9	238.7	283.4	<i>297.5</i>
82.5°	110.9	183.4	191.2	228.2	<i>242.8</i>
85°	60.7	116.4	149.2	180.2	<i>188.9</i>
87.5°	25.1	70.3	114.1	139.2	<i>146.5</i>
90°	0.5	38.8	77.1	96.7	<i>101.3</i>
92.5°	0.5	29.7	63.0	78.0	<i>81.2</i>
95°	0.5	24.2	52.9	64.3	<i>66.2</i>
97.5°	0.9	19.2	44.3	53.4	<i>55.2</i>
100°	1.4	16.0	37.0	44.7	<i>46.1</i>
102.5°	1.8	12.8	31.0	37.4	<i>38.8</i>
105°	1.8	10.5	26.0	31.5	<i>32.9</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	6.4	15.5	19.6	20.5
115°	3.7	5.5	13.2	16.9	17.8
117.5°	3.7	4.6	11.4	14.1	15.1
120°	3.7	4.1	10.0	12.3	12.8
122.5°	3.7	3.7	8.7	11.0	11.4
125°	3.2	3.7	8.2	9.6	10.0
127.5°	3.7	3.7	7.3	8.7	9.1
130°	3.7	4.1	6.4	8.2	8.2
132.5°	4.1	4.6	5.9	7.8	7.8
135°	4.1	4.6	5.0	7.3	7.8
137.5°	4.6	4.6	4.6	6.8	7.3
140°	4.6	4.6	4.1	5.9	6.4
142.5°	4.1	4.6	4.1	5.5	5.9
145°	4.1	4.6	4.6	5.0	5.5
147.5°	4.6	4.6	4.6	4.6	5.0
150°	4.6	4.6	4.6	4.6	4.6
152.5°	4.6	4.6	4.6	4.6	4.6
155°	4.6	5.0	5.0	5.0	4.6
157.5°	4.6	5.0	5.0	5.0	5.0
160°	4.6	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	5.5	5.0	5.0	5.0
170°	5.0	5.0	5.0	4.6	4.6
172.5°	5.0	5.0	5.0	4.6	4.6
175°	5.0	5.0	4.6	4.1	4.1
177.5°	5.5	5.0	4.6	4.1	3.7
180°	4.6	4.6	4.6	4.6	4.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.3	8.7	22.4	26.9	27.8
110°	2.7	7.3	18.7	22.8	23.7



(END OF REPORT)