

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: P830883

Luminaire Tested: **OHBL-9HE-A-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830883
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-A-UNV-L730-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

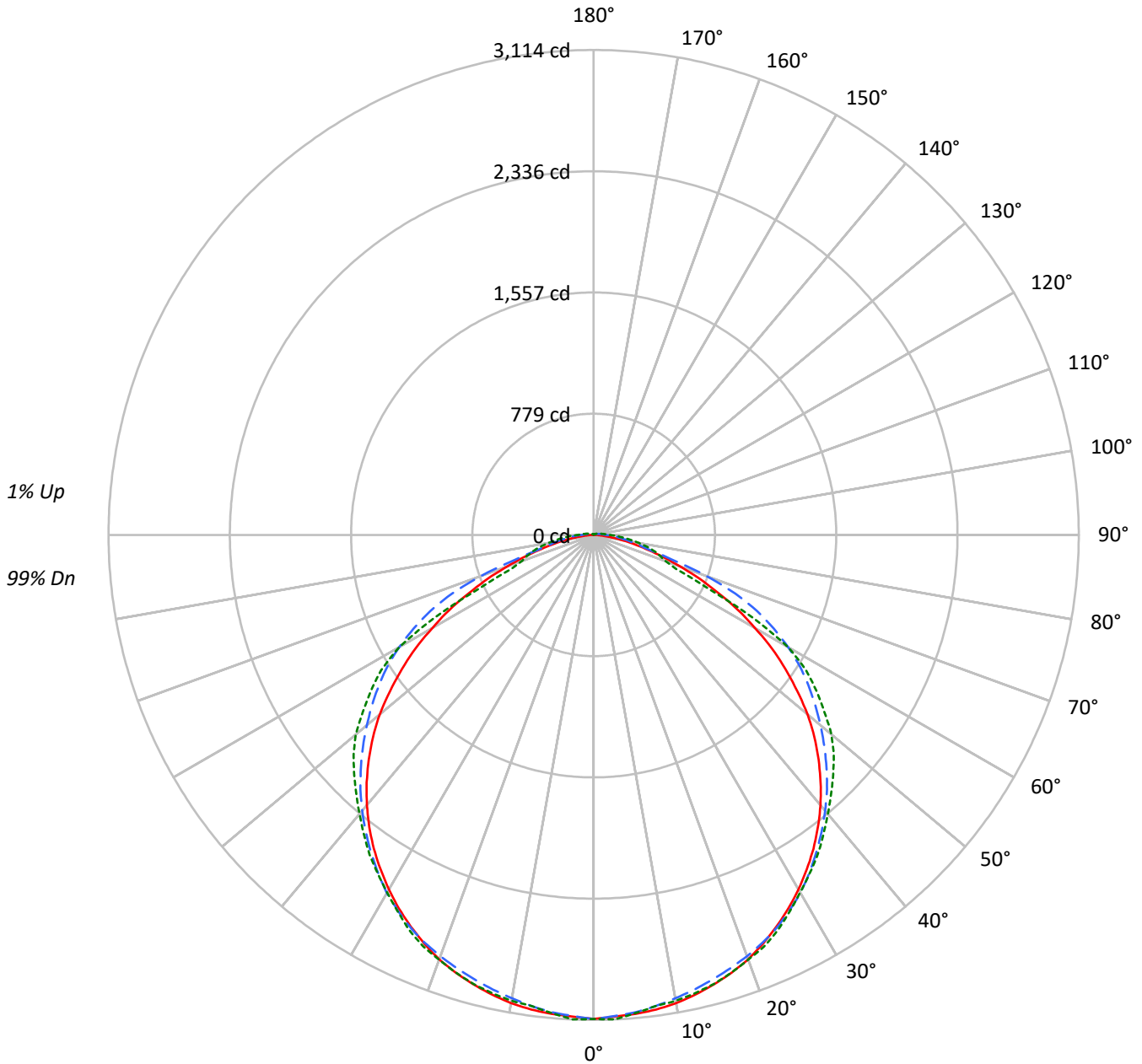
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8784.0 lumens
Efficiency: N/A
Efficacy: 168.9 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°	5308	5308	5308
5°	5273	5229	5239
10°	5254	5147	5177
15°	5221	5086	5139
20°	5187	5046	5090
25°	5125	5006	5042
30°	5057	4944	4943
35°	4975	4848	4886
40°	4870	4748	4810
45°	4723	4633	4774
50°	4524	4502	4731
55°	4208	4372	4548
60°	3795	4184	4197
65°	3255	3839	2654
70°	2622	2991	1919
75°	1966	1770	1939
80°	1368	1465	1839
85°	779	1330	1701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.0	3.3
10°-20°	840.3	9.6
20°-30°	1283.4	14.6
30°-40°	1557.2	17.7
40°-50°	1632.1	18.6
50°-60°	1478.9	16.8
60°-70°	991.6	11.3
70°-80°	445.3	5.1
80°-90°	161.6	1.8
90°-100°	48.6	0.6
100°-110°	22.9	0.3
110°-120°	11.5	0.1
120°-130°	6.3	0.1
130°-140°	4.3	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°	2416.7	27.5
0°-40°	3973.9	45.2
0°-60°	7084.9	80.7
0°-90°	8683.3	98.9
90°-120°	83.1	0.9
90°-150°	96.7	1.1
90°-180°	101.0	1.1
0°-180°	8784.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3108	3108	3108	3108	3108	
5°	3088	3098	3077	3086	3082	294
15°	2987	2976	2955	2981	2984	843
25°	2775	2763	2782	2808	2800	1279
35°	2460	2466	2491	2517	2507	1537
45°	2042	2075	2113	2167	2174	1573
55°	1502	1575	1682	1749	1745	1341
65°	882	1020	1158	977	798	878
75°	347	503	370	379	404	379
85°	60	115	147	178	186	73
90°	0	38	76	95	100	4
95°	0	24	52	63	65	1
105°	2	10	26	31	32	2
115°	4	5	13	17	18	3
125°	3	4	8	9	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°	3107.8	3107.8	3107.8	3107.8	<i>3107.8</i>
2.5°	<i>3095.2</i>	<i>3108.2</i>	<i>3092.1</i>	<i>3109.6</i>	<i>3114.1</i>
5°	3087.6	3098.4	3076.8	3086.2	<i>3082.2</i>
7.5°	3073.6	3077.2	3051.6	3059.3	<i>3051.2</i>
10°	3053.0	3051.2	3021.1	3035.9	<i>3037.7</i>
12.5°	3022.4	3017.0	2990.1	3012.5	<i>3013.0</i>
15°	2987.4	2975.7	2954.6	2980.6	<i>2984.2</i>
17.5°	2946.9	2931.6	2917.7	2951.4	<i>2946.0</i>
20°	2899.7	2881.8	2879.1	2915.9	<i>2902.4</i>
22.5°	2841.3	2827.4	2833.7	2868.7	<i>2860.2</i>
25°	2775.3	2763.1	2782.4	2808.1	<i>2800.0</i>
27.5°	2705.6	2698.4	2720.4	2740.2	<i>2724.5</i>
30°	2629.2	2625.2	2654.4	2670.6	<i>2650.8</i>
32.5°	2546.1	2547.4	2575.3	2597.3	<i>2578.9</i>
35°	2459.8	2465.6	2490.8	2517.3	<i>2507.4</i>
37.5°	2365.0	2378.0	2403.2	2433.3	<i>2423.0</i>
40°	2264.8	2283.7	2311.5	2347.9	<i>2338.5</i>
42.5°	2156.5	2180.3	2216.3	2256.7	<i>2255.8</i>
45°	2041.5	2074.7	2113.3	2167.3	<i>2174.0</i>
47.5°	1921.9	1959.2	2008.2	2080.1	<i>2090.4</i>
50°	1792.1	1838.8	1899.9	1986.2	<i>1992.5</i>
52.5°	1647.4	1711.2	1792.1	1874.7	<i>1867.1</i>
55°	1502.2	1574.6	1682.0	1749.4	<i>1745.3</i>
57.5°	1357.5	1438.9	1569.2	1617.3	<i>1616.8</i>
60°	1195.8	1298.7	1441.1	1477.5	<i>1441.6</i>
62.5°	1046.1	1156.7	1304.5	1278.0	<i>1154.9</i>
65°	881.6	1019.6	1157.6	976.9	<i>797.6</i>
67.5°	735.6	879.4	983.2	669.1	<i>572.9</i>
70°	588.7	747.3	766.6	496.5	<i>489.8</i>
72.5°	458.3	627.3	528.9	425.1	<i>446.7</i>
75°	346.9	503.3	370.3	378.8	<i>403.5</i>
77.5°	253.0	386.5	288.0	332.1	<i>352.3</i>
80°	173.9	273.7	235.0	279.1	<i>293.0</i>
82.5°	109.2	180.6	188.3	224.7	<i>239.1</i>
85°	59.8	114.6	146.9	177.5	<i>186.0</i>
87.5°	24.7	69.2	112.3	137.1	<i>144.2</i>
90°	0.4	38.2	75.9	95.3	<i>99.8</i>
92.5°	0.4	29.2	62.0	76.8	<i>80.0</i>
95°	0.4	23.8	52.1	63.4	<i>65.2</i>
97.5°	0.9	18.9	43.6	52.6	<i>54.4</i>
100°	1.3	15.7	36.4	44.0	<i>45.4</i>
102.5°	1.8	12.6	30.6	36.8	<i>38.2</i>
105°	1.8	10.3	25.6	31.0	<i>32.4</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	6.3	15.3	19.3	20.2
115°	3.6	5.4	13.0	16.6	17.5
117.5°	3.6	4.5	11.2	13.9	14.8
120°	3.6	4.0	9.9	12.1	12.6
122.5°	3.6	3.6	8.5	10.8	11.2
125°	3.1	3.6	8.1	9.4	9.9
127.5°	3.6	3.6	7.2	8.5	9.0
130°	3.6	4.0	6.3	8.1	8.1
132.5°	4.0	4.5	5.8	7.6	7.6
135°	4.0	4.5	4.9	7.2	7.6
137.5°	4.5	4.5	4.5	6.7	7.2
140°	4.5	4.5	4.0	5.8	6.3
142.5°	4.0	4.5	4.0	5.4	5.8
145°	4.0	4.5	4.5	4.9	5.4
147.5°	4.5	4.5	4.5	4.5	4.9
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	4.9	4.9	4.9	4.5
157.5°	4.5	4.9	4.9	4.9	4.9
160°	4.5	4.9	4.9	4.9	4.9
162.5°	4.9	4.9	4.9	4.9	4.9
165°	4.9	4.9	4.9	4.9	4.9
167.5°	4.9	5.4	4.9	4.9	4.9
170°	4.9	4.9	4.9	4.5	4.5
172.5°	4.9	4.9	4.9	4.5	4.5
175°	4.9	4.9	4.5	4.0	4.0
177.5°	5.4	4.9	4.5	4.0	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°	2.2	8.5	22.0	26.5	27.4
110°	2.7	7.2	18.4	22.5	23.4



(END OF REPORT)