

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: P830884

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830884
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-L735-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

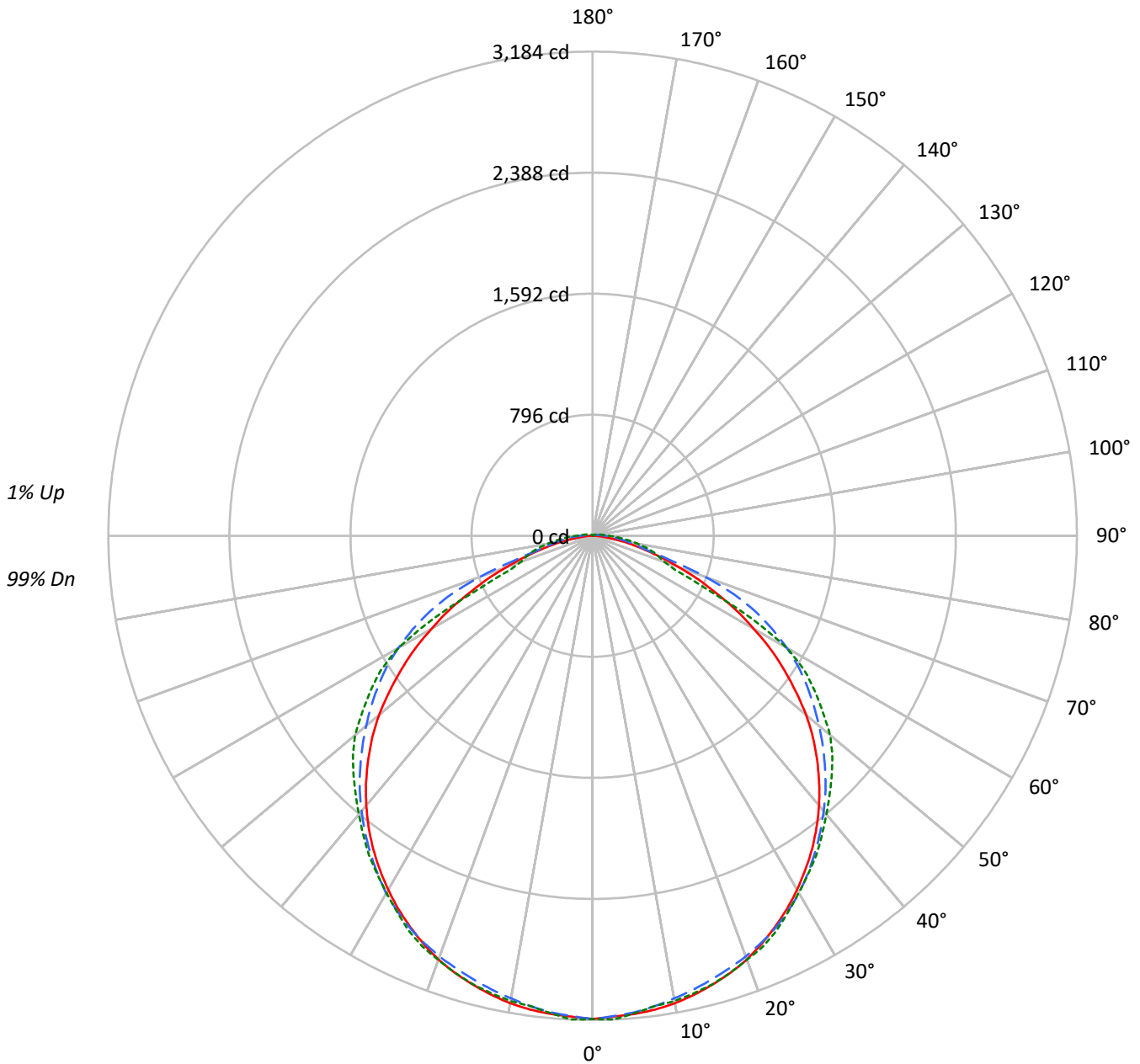
Lumens per Lamp: N/A
Luminaire Lumens: 8982.0 lumens
Efficiency: N/A
Efficacy: 172.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P830884

CATALOG NUMBER: OHBL-9HE-A-UNV-L735-CD

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°	5428	5428	5428
5°	5392	5346	5357
10°	5372	5263	5294
15°	5338	5200	5255
20°	5304	5160	5205
25°	5240	5119	5155
30°	5171	5056	5054
35°	5088	4957	4996
40°	4979	4855	4919
45°	4829	4737	4881
50°	4626	4603	4837
55°	4303	4471	4650
60°	3880	4279	4292
65°	3329	3926	2714
70°	2681	3058	1962
75°	2010	1810	1983
80°	1399	1498	1880
85°	796	1361	1739



TEST NUMBER: P830884

CATALOG NUMBER: OHBL-9HE-A-UNV-L735-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.6	3.3
10°-20°	859.2	9.6
20°-30°	1312.3	14.6
30°-40°	1592.3	17.7
40°-50°	1668.9	18.6
50°-60°	1512.2	16.8
60°-70°	1013.9	11.3
70°-80°	455.3	5.1
80°-90°	165.2	1.8
90°-100°	49.7	0.6
100°-110°	23.5	0.3
110°-120°	11.8	0.1
120°-130°	6.5	0.1
130°-140°	4.5	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°	2471.2	27.5
0°-40°	4063.5	45.2
0°-60°	7244.6	80.7
0°-90°	8879.0	98.9
90°-120°	85.0	0.9
90°-150°	98.9	1.1
90°-180°	103.0	1.1
0°-180°	8982.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3178	3178	3178	3178	3178	
5°	3157	3168	3146	3156	3152	300
15°	3055	3043	3021	3048	3052	862
25°	2838	2825	2845	2871	2863	1308
35°	2515	2521	2547	2574	2564	1572
45°	2088	2122	2161	2216	2223	1608
55°	1536	1610	1720	1789	1785	1371
65°	902	1043	1184	999	816	898
75°	355	515	379	387	413	388
85°	61	117	150	182	190	75
90°	0	39	78	97	102	4
95°	0	24	53	65	67	1
105°	2	11	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	



TEST NUMBER: P830884

CATALOG NUMBER: OHBL-9HE-A-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3177.8	3177.8	3177.8	3177.8	<i>3177.8</i>
2.5°	<i>3165.0</i>	<i>3178.3</i>	<i>3161.8</i>	<i>3179.7</i>	<i>3184.3</i>
5°	3157.2	3168.2	3146.1	3155.8	<i>3151.6</i>
7.5°	3142.9	3146.6	3120.4	3128.2	<i>3119.9</i>
10°	3121.8	3119.9	3089.2	3104.3	<i>3106.2</i>
12.5°	3090.5	3085.0	3057.5	3080.4	<i>3080.9</i>
15°	3054.7	3042.7	3021.2	3047.8	<i>3051.5</i>
17.5°	3013.3	2997.7	2983.5	3017.9	<i>3012.4</i>
20°	2965.1	2946.7	2944.0	2981.6	<i>2967.9</i>
22.5°	2905.4	2891.1	2897.5	2933.4	<i>2924.7</i>
25°	2837.8	2825.4	2845.2	2871.4	<i>2863.1</i>
27.5°	2766.6	2759.2	2781.8	2802.0	<i>2785.9</i>
30°	2688.5	2684.3	2714.2	2730.8	<i>2710.5</i>
32.5°	2603.5	2604.9	2633.3	2655.9	<i>2637.0</i>
35°	2515.3	2521.2	2547.0	2574.1	<i>2564.0</i>
37.5°	2418.3	2431.6	2457.4	2488.1	<i>2477.6</i>
40°	2315.8	2335.1	2363.6	2400.8	<i>2391.2</i>
42.5°	2205.1	2229.4	2266.2	2307.6	<i>2306.6</i>
45°	2087.5	2121.5	2161.0	2216.1	<i>2223.0</i>
47.5°	1965.2	2003.4	2053.5	2127.0	<i>2137.6</i>
50°	1832.4	1880.2	1942.7	2030.9	<i>2037.4</i>
52.5°	1684.5	1749.7	1832.4	1917.0	<i>1909.2</i>
55°	1536.1	1610.1	1719.9	1788.8	<i>1784.7</i>
57.5°	1388.1	1471.3	1604.5	1653.7	<i>1653.2</i>
60°	1222.7	1327.9	1473.6	1510.8	<i>1474.0</i>
62.5°	1069.7	1182.7	1333.9	1306.8	<i>1180.9</i>
65°	901.5	1042.6	1183.6	998.9	<i>815.6</i>
67.5°	752.2	899.2	1005.4	684.2	<i>585.9</i>
70°	601.9	764.1	783.9	507.7	<i>500.8</i>
72.5°	468.7	641.4	540.8	434.7	<i>456.7</i>
75°	354.7	514.6	378.6	387.4	<i>412.6</i>
77.5°	258.7	395.2	294.5	339.6	<i>360.2</i>
80°	177.8	279.8	240.3	285.3	<i>299.6</i>
82.5°	111.7	184.7	192.5	229.7	<i>244.4</i>
85°	61.1	117.2	150.3	181.5	<i>190.2</i>
87.5°	25.3	70.8	114.9	140.1	<i>147.5</i>
90°	0.5	39.1	77.7	97.4	<i>102.0</i>
92.5°	0.5	29.9	63.4	78.6	<i>81.8</i>
95°	0.5	24.4	53.3	64.8	<i>66.6</i>
97.5°	0.9	19.3	44.6	53.8	<i>55.6</i>
100°	1.4	16.1	37.2	45.0	<i>46.4</i>
102.5°	1.8	12.9	31.2	37.7	<i>39.1</i>
105°	1.8	10.6	26.2	31.7	<i>33.1</i>



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CATALOG NUMBER: OHBL-9HE-A-UNV-L735-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	6.4	15.6	19.8	20.7
115°	3.7	5.5	13.3	17.0	17.9
117.5°	3.7	4.6	11.5	14.2	15.2
120°	3.7	4.1	10.1	12.4	12.9
122.5°	3.7	3.7	8.7	11.0	11.5
125°	3.2	3.7	8.3	9.6	10.1
127.5°	3.7	3.7	7.4	8.7	9.2
130°	3.7	4.1	6.4	8.3	8.3
132.5°	4.1	4.6	6.0	7.8	7.8
135°	4.1	4.6	5.1	7.4	7.8
137.5°	4.6	4.6	4.6	6.9	7.4
140°	4.6	4.6	4.1	6.0	6.4
142.5°	4.1	4.6	4.1	5.5	6.0
145°	4.1	4.6	4.6	5.1	5.5
147.5°	4.6	4.6	4.6	4.6	5.1
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	5.1	5.1	5.1	4.6
157.5°	4.6	5.1	5.1	5.1	5.1
160°	4.6	5.1	5.1	5.1	5.1
162.5°	5.1	5.1	5.1	5.1	5.1
165°	5.1	5.1	5.1	5.1	5.1
167.5°	5.1	5.5	5.1	5.1	5.1
170°	5.1	5.1	5.1	4.6	4.6
172.5°	5.1	5.1	5.1	4.6	4.6
175°	5.1	5.1	4.6	4.1	4.1
177.5°	5.5	5.1	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	22.5	27.1	28.0
110°	2.8	7.4	18.8	23.0	23.9



(END OF REPORT)