

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: P830932

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830932
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-9HE-NL-UNV-L735-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

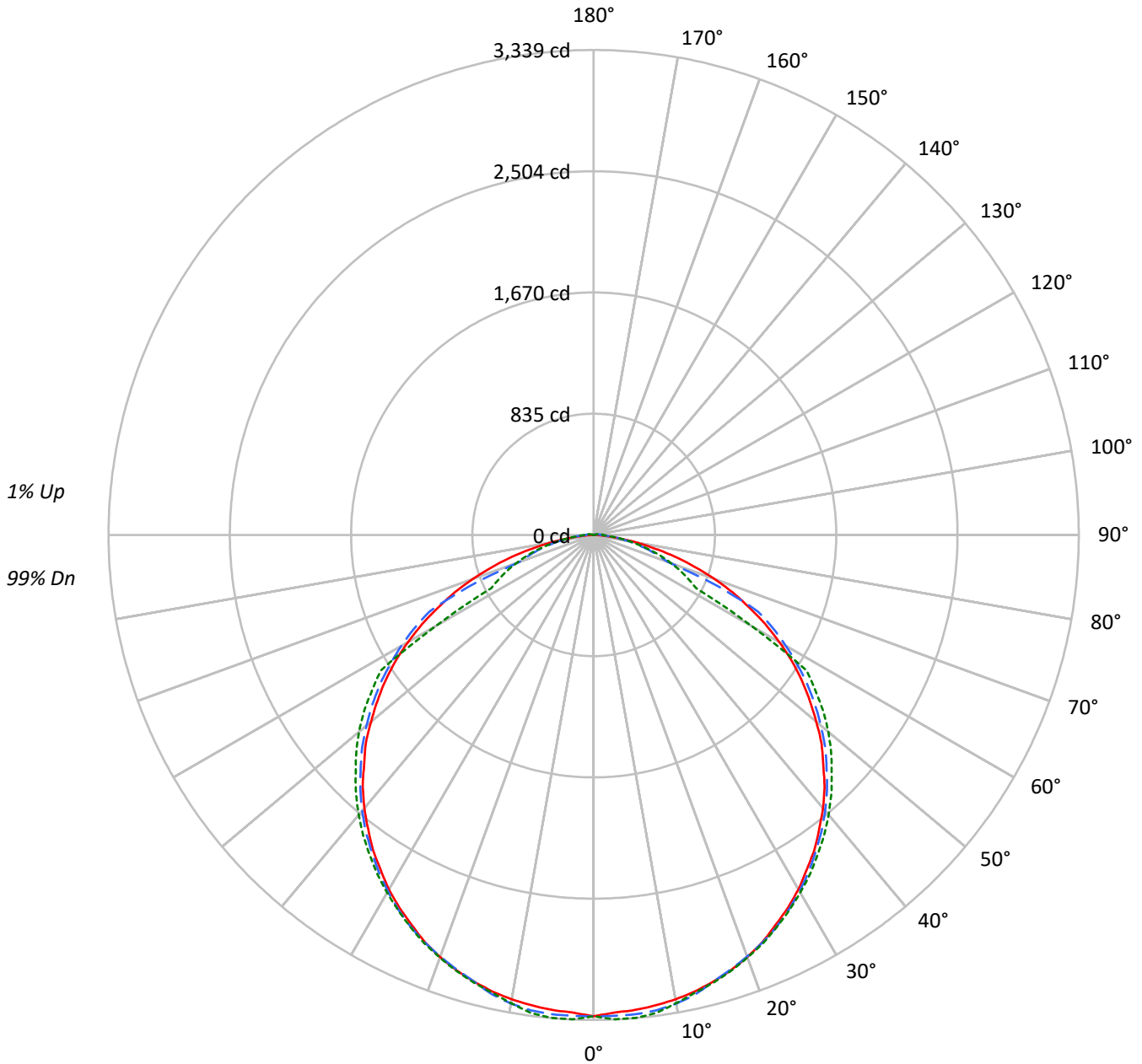
Lumens per Lamp: N/A
Luminaire Lumens: 9305.0 lumens
Efficiency: N/A
Efficacy: 178.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

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: P830932

CATALOG NUMBER: OHBL-9HE-NL-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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5661	5661	5661
5°	5629	5680	5723
10°	5631	5684	5677
15°	5630	5629	5641
20°	5622	5614	5627
25°	5584	5612	5617
30°	5558	5587	5609
35°	5522	5552	5604
40°	5474	5526	5608
45°	5395	5477	5596
50°	5314	5422	5602
55°	5212	5348	5540
60°	5038	5217	4313
65°	4766	5043	2903
70°	4409	2677	2817
75°	3845	2544	2690
80°	2957	2334	2465
85°	1493	2359	2416



TEST NUMBER: P830932

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.9	3.4
10°-20°	901.5	9.7
20°-30°	1371.8	14.7
30°-40°	1667.9	17.9
40°-50°	1753.7	18.8
50°-60°	1601.3	17.2
60°-70°	1026.5	11.0
70°-80°	484.9	5.2
80°-90°	134.5	1.4
90°-100°	35.6	0.4
100°-110°	9.7	0.1
110°-120°	2.7	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2588.2	27.8
0°-40°	4256.0	45.7
0°-60°	7611.0	81.8
0°-90°	9256.9	99.5
90°-120°	48.1	0.5
90°-150°	48.1	0.5
90°-180°	48.0	0.5
0°-180°	9305.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3314	3314	3314	3314	3314	
5°	3283	3296	3313	3331	3338	312
15°	3184	3208	3183	3188	3190	899
25°	2963	2968	2978	2983	2980	1367
35°	2648	2633	2663	2695	2688	1655
45°	2234	2230	2267	2321	2317	1727
55°	1750	1737	1796	1856	1860	1561
65°	1179	1179	1248	716	718	1169
75°	583	594	386	406	408	614
85°	76	96	120	130	123	113
90°	0	33	54	63	62	3
95°	2	17	38	52	52	1
105°	3	6	9	9	9	3
115°	3	4	6	4	1	2
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P830932

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3314.2	3314.2	3314.2	3314.2	3314.2
2.5°	3290.9	3302.0	3314.2	3329.9	3338.6
5°	3283.4	3296.2	3313.0	3331.1	3338.0
7.5°	3267.1	3285.1	3301.4	3314.2	3318.3
10°	3246.7	3268.3	3277.6	3276.4	3273.5
12.5°	3219.4	3242.1	3239.2	3225.8	3228.1
15°	3183.9	3207.7	3183.4	3188.0	3190.3
17.5°	3142.1	3165.3	3136.8	3146.1	3146.7
20°	3093.2	3110.7	3088.6	3096.1	3096.1
22.5°	3034.5	3046.7	3037.4	3042.6	3043.8
25°	2962.9	2967.6	2978.0	2982.7	2980.4
27.5°	2894.4	2888.5	2908.9	2919.9	2914.1
30°	2818.1	2808.8	2832.7	2850.7	2843.8
32.5°	2730.9	2725.1	2752.4	2773.9	2769.9
35°	2648.3	2632.6	2662.9	2695.4	2687.9
37.5°	2550.6	2541.3	2575.6	2610.0	2605.9
40°	2455.3	2439.6	2478.5	2519.2	2515.2
42.5°	2352.9	2334.3	2376.8	2425.6	2421.0
45°	2233.7	2229.6	2267.4	2320.9	2316.8
47.5°	2127.9	2107.5	2160.4	2212.2	2216.9
50°	1999.9	1992.4	2040.6	2103.4	2108.1
52.5°	1874.9	1869.7	1920.2	1983.6	1991.8
55°	1750.4	1737.0	1795.8	1855.7	1860.4
57.5°	1617.3	1603.3	1663.2	1728.4	1738.2
60°	1474.8	1461.4	1527.1	1587.6	1262.5
62.5°	1332.3	1323.0	1391.6	985.7	794.4
65°	1179.4	1179.4	1247.9	715.9	718.2
67.5°	1036.3	1027.0	930.5	643.2	643.2
70°	882.8	886.3	536.1	563.5	564.1
72.5°	728.7	741.5	462.9	485.0	486.1
75°	582.7	593.8	385.5	405.9	407.6
77.5°	428.0	329.1	309.9	325.7	326.3
80°	300.6	207.6	237.3	252.4	250.6
82.5°	175.6	145.4	173.9	185.0	184.3
85°	76.2	96.5	120.4	130.3	123.3
87.5°	24.4	59.9	75.0	80.8	80.2
90°	0.0	32.6	53.5	63.4	62.2
92.5°	0.0	25.6	46.5	58.2	58.7
95°	1.7	16.9	38.4	51.8	51.8
97.5°	1.2	12.2	27.3	40.7	41.9
100°	1.2	9.9	18.0	29.1	29.7
102.5°	2.9	8.1	11.0	18.6	19.2
105°	2.9	6.4	9.3	9.3	8.7



TEST NUMBER: P830932

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	4.7	6.4	4.7	0.6
115°	2.9	4.1	5.8	4.1	0.6
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.9	5.8	8.1	5.2	1.7
110°	3.5	5.2	7.0	4.7	0.6



(END OF REPORT)