

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: P830936

Luminaire Tested: **OHBL-9HE-NL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830936
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-L835-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

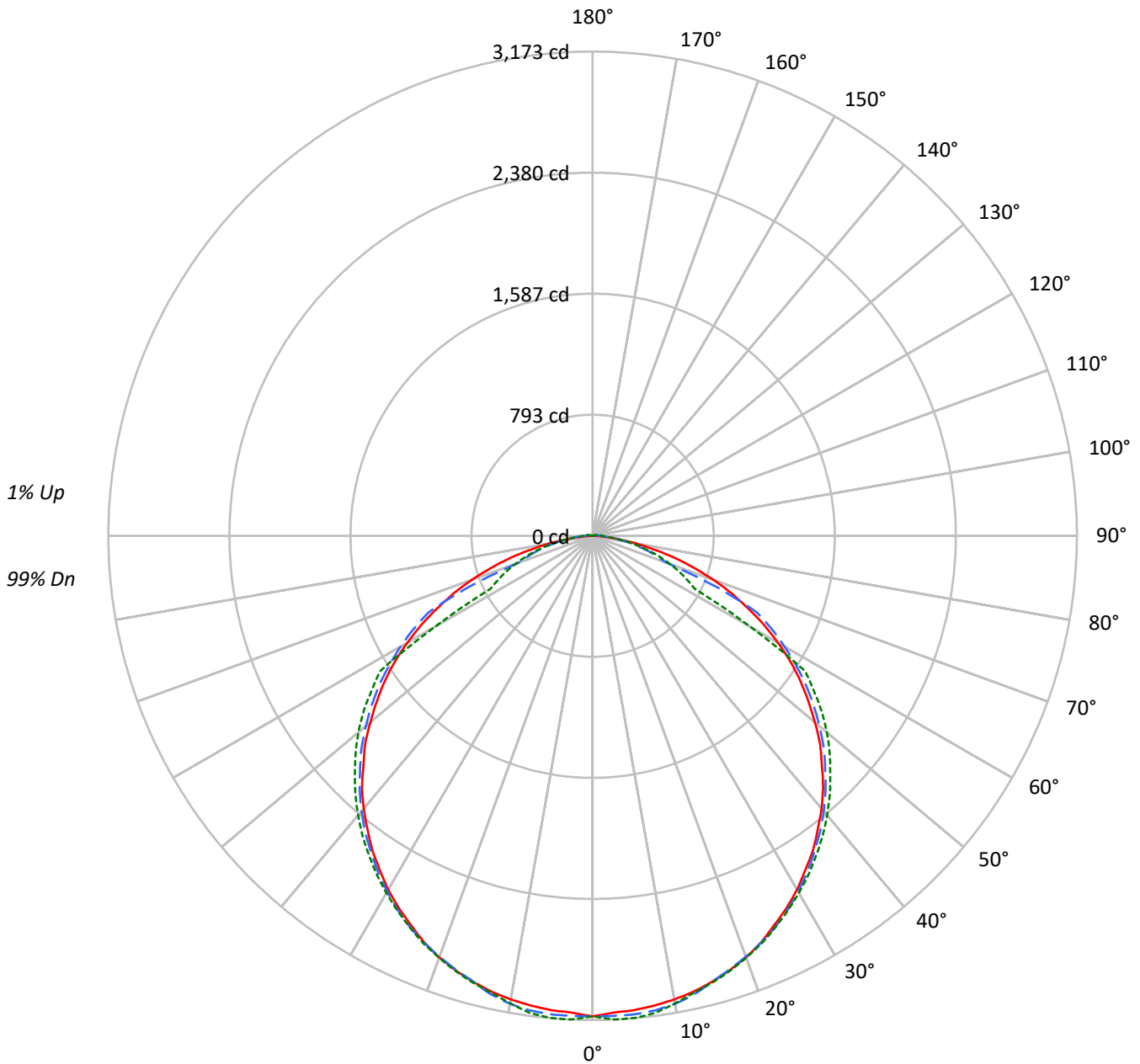
Lumens per Lamp: N/A
Luminaire Lumens: 8843.0 lumens
Efficiency: N/A
Efficacy: 170.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): 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				20				20	
RC	80				70				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				99
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84				84
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73	71				71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60				60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51				51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44				44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39				39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30				30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5379	5379	5379
5°	5350	5398	5439
10°	5351	5402	5396
15°	5350	5349	5361
20°	5343	5335	5348
25°	5307	5334	5338
30°	5282	5309	5330
35°	5248	5276	5326
40°	5202	5252	5329
45°	5128	5205	5318
50°	5050	5153	5323
55°	4954	5082	5265
60°	4787	4958	4098
65°	4530	4793	2758
70°	4189	2544	2677
75°	3655	2418	2557
80°	2810	2218	2343
85°	1419	2242	2295



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.2	3.4
10°-20°	856.8	9.7
20°-30°	1303.7	14.7
30°-40°	1585.0	17.9
40°-50°	1666.6	18.8
50°-60°	1521.8	17.2
60°-70°	975.6	11.0
70°-80°	460.9	5.2
80°-90°	127.8	1.4
90°-100°	33.8	0.4
100°-110°	9.3	0.1
110°-120°	2.6	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°	2459.7	27.8
0°-40°	4044.7	45.7
0°-60°	7233.1	81.8
0°-90°	8797.3	99.5
90°-120°	45.7	0.5
90°-150°	45.7	0.5
90°-180°	46.0	0.5
0°-180°	8843.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3150	3150	3150	3150	3150	
5°	3120	3132	3148	3166	3172	297
15°	3026	3048	3025	3030	3032	854
25°	2816	2820	2830	2835	2832	1299
35°	2517	2502	2531	2562	2554	1573
45°	2123	2119	2155	2206	2202	1641
55°	1664	1651	1707	1764	1768	1484
65°	1121	1121	1186	680	682	1111
75°	554	564	366	386	387	584
85°	72	92	114	124	117	107
90°	0	31	51	60	59	3
95°	2	16	36	49	49	1
105°	3	6	9	9	8	3
115°	3	4	6	4	0	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3149.6	3149.6	3149.6	3149.6	3149.6
2.5°	3127.5	3138.1	3149.6	3164.6	3172.8
5°	3120.3	3132.5	3148.5	3165.7	3172.3
7.5°	3104.9	3122.0	3137.5	3149.6	3153.5
10°	3085.5	3106.0	3114.8	3113.7	3111.0
12.5°	3059.5	3081.1	3078.4	3065.6	3067.8
15°	3025.8	3048.5	3025.3	3029.7	3031.9
17.5°	2986.0	3008.2	2981.1	2989.9	2990.5
20°	2939.6	2956.2	2935.2	2942.4	2942.4
22.5°	2883.8	2895.4	2886.6	2891.6	2892.7
25°	2815.8	2820.2	2830.2	2834.6	2832.4
27.5°	2750.7	2745.1	2764.5	2774.9	2769.4
30°	2678.2	2669.4	2692.0	2709.2	2702.6
32.5°	2595.3	2589.8	2615.8	2636.2	2632.3
35°	2516.8	2501.9	2530.6	2561.6	2554.4
37.5°	2424.0	2415.1	2447.7	2480.4	2476.5
40°	2333.3	2318.4	2355.5	2394.1	2390.3
42.5°	2236.1	2218.4	2258.7	2305.2	2300.8
45°	2122.8	2118.9	2154.8	2205.7	2201.8
47.5°	2022.2	2002.9	2053.1	2102.3	2106.8
50°	1900.6	1893.5	1939.3	1999.0	2003.4
52.5°	1781.8	1776.8	1824.9	1885.1	1892.9
55°	1663.5	1650.8	1706.6	1763.6	1768.0
57.5°	1537.0	1523.7	1580.6	1642.6	1651.9
60°	1401.5	1388.8	1451.3	1508.8	1199.8
62.5°	1266.1	1257.3	1322.5	936.8	755.0
65°	1120.8	1120.8	1186.0	680.3	682.5
67.5°	984.9	976.0	884.3	611.2	611.2
70°	838.9	842.3	509.5	535.6	536.1
72.5°	692.5	704.7	440.0	460.9	462.0
75°	553.8	564.3	366.4	385.8	387.4
77.5°	406.8	312.8	294.6	309.5	310.1
80°	285.7	197.3	225.5	239.8	238.2
82.5°	166.9	138.1	165.2	175.8	175.2
85°	72.4	91.7	114.4	123.8	117.1
87.5°	23.2	56.9	71.3	76.8	76.2
90°	0.0	31.0	50.8	60.2	59.2
92.5°	0.0	24.3	44.2	55.3	55.8
95°	1.6	16.0	36.5	49.2	49.2
97.5°	1.1	11.6	26.0	38.7	39.8
100°	1.1	9.4	17.1	27.6	28.2
102.5°	2.8	7.7	10.5	17.7	18.3
105°	2.8	6.1	8.8	8.8	8.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.3	4.4	6.1	4.4	0.5
115°	2.8	3.9	5.5	3.9	0.5
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°	2.8	5.5	7.7	5.0	1.6
110°	3.3	5.0	6.6	4.4	0.5



(END OF REPORT)