

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: P830935

Luminaire Tested: **OHBL-9HE-NL-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830935
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-L830-CD
Description: 9000 LUMEN OHBL HE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

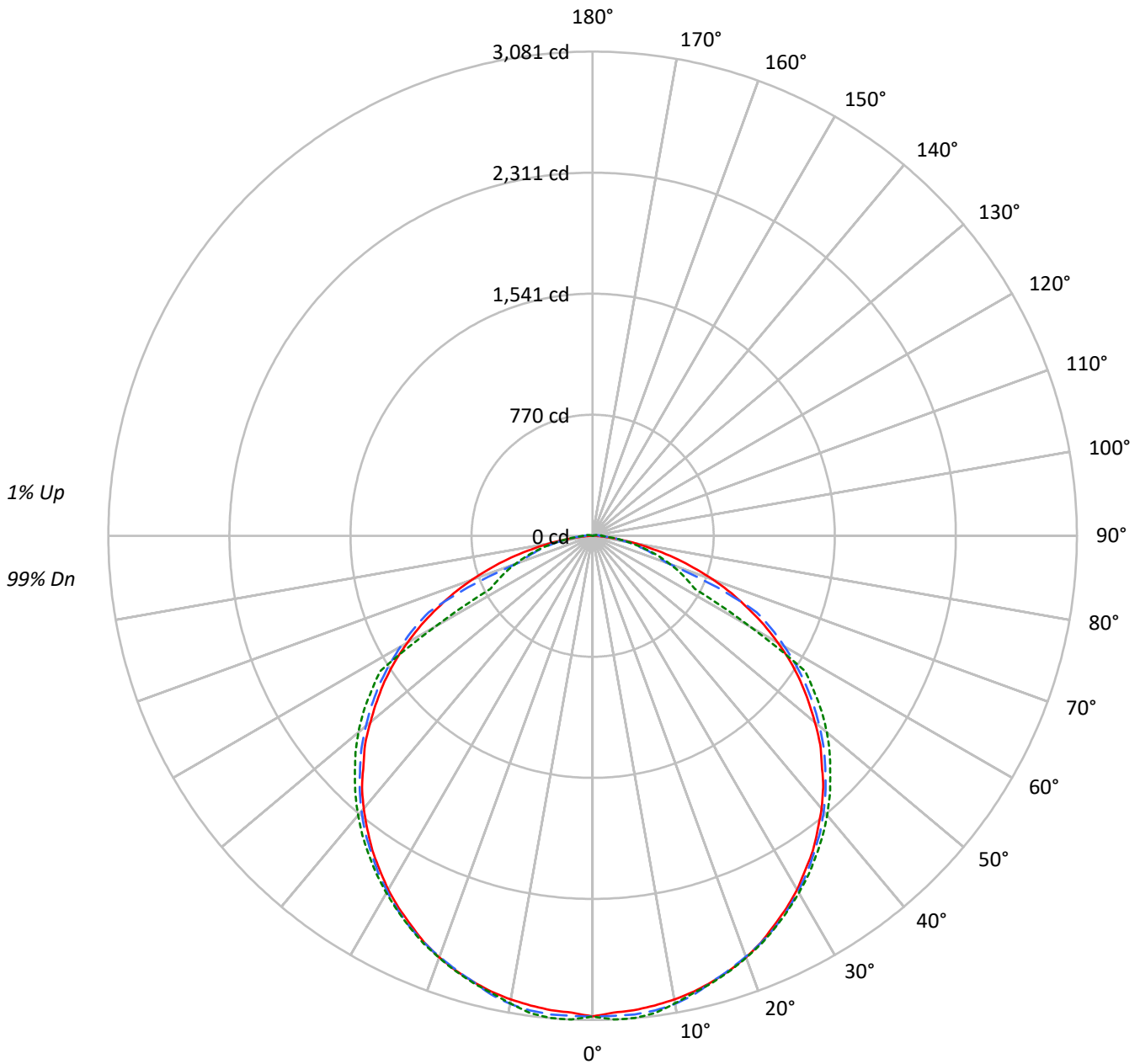
Lumens per Lamp: N/A
Luminaire Lumens: 8587.0 lumens
Efficiency: N/A
Efficacy: 165.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

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									
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°	5224	5224	5224
5°	5195	5242	5282
10°	5196	5246	5239
15°	5195	5195	5206
20°	5188	5181	5193
25°	5153	5179	5183
30°	5129	5156	5176
35°	5096	5124	5172
40°	5052	5100	5175
45°	4979	5054	5164
50°	4904	5004	5169
55°	4810	4935	5112
60°	4649	4814	3980
65°	4399	4654	2679
70°	4068	2471	2600
75°	3548	2348	2483
80°	2728	2154	2275
85°	1378	2177	2230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.6	3.4
10°-20°	832.0	9.7
20°-30°	1265.9	14.7
30°-40°	1539.2	17.9
40°-50°	1618.4	18.8
50°-60°	1477.8	17.2
60°-70°	947.3	11.0
70°-80°	447.5	5.2
80°-90°	124.1	1.4
90°-100°	32.9	0.4
100°-110°	9.0	0.1
110°-120°	2.5	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°	2388.4	27.8
0°-40°	3927.6	45.7
0°-60°	7023.7	81.8
0°-90°	8542.7	99.5
90°-120°	44.4	0.5
90°-150°	44.4	0.5
90°-180°	44.0	0.5
0°-180°	8587.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3058	3058	3058	3058	3058	
5°	3030	3042	3057	3074	3080	288
15°	2938	2960	2938	2942	2944	830
25°	2734	2739	2748	2753	2750	1262
35°	2444	2430	2457	2487	2480	1527
45°	2061	2058	2092	2142	2138	1593
55°	1615	1603	1657	1712	1717	1441
65°	1088	1088	1152	661	663	1079
75°	538	548	356	375	376	567
85°	70	89	111	120	114	104
90°	0	30	49	58	57	3
95°	2	16	36	48	48	1
105°	3	6	9	9	8	3
115°	3	4	5	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3058.5	3058.5	3058.5	3058.5	3058.5
2.5°	3037.0	3047.2	3058.5	3073.0	3081.0
5°	3030.0	3041.8	3057.4	3074.0	3080.5
7.5°	3015.0	3031.6	3046.7	3058.5	3062.2
10°	2996.2	3016.1	3024.7	3023.6	3020.9
12.5°	2971.0	2991.9	2989.3	2976.9	2979.0
15°	2938.2	2960.2	2937.7	2942.0	2944.2
17.5°	2899.6	2921.1	2894.8	2903.4	2903.9
20°	2854.5	2870.6	2850.2	2857.2	2857.2
22.5°	2800.3	2811.6	2803.0	2807.8	2808.9
25°	2734.3	2738.6	2748.2	2752.6	2750.4
27.5°	2671.0	2665.6	2684.4	2694.6	2689.2
30°	2600.7	2592.1	2614.1	2630.7	2624.3
32.5°	2520.2	2514.8	2540.1	2559.9	2556.1
35°	2444.0	2429.5	2457.4	2487.4	2480.5
37.5°	2353.8	2345.2	2376.9	2408.6	2404.8
40°	2265.8	2251.3	2287.3	2324.8	2321.1
42.5°	2171.4	2154.1	2193.4	2238.5	2234.1
45°	2061.3	2057.6	2092.4	2141.8	2138.1
47.5°	1963.7	1944.9	1993.7	2041.5	2045.8
50°	1845.6	1838.6	1883.2	1941.1	1945.4
52.5°	1730.2	1725.4	1772.0	1830.6	1838.1
55°	1615.3	1603.0	1657.2	1712.5	1716.8
57.5°	1492.5	1479.6	1534.9	1595.0	1604.1
60°	1361.0	1348.6	1409.3	1465.1	1165.1
62.5°	1229.5	1220.9	1284.3	909.7	733.1
65°	1088.4	1088.4	1151.6	660.6	662.8
67.5°	956.4	947.8	858.7	593.5	593.5
70°	814.7	817.9	494.8	520.1	520.6
72.5°	672.4	684.3	427.2	447.6	448.6
75°	537.7	548.0	355.8	374.6	376.2
77.5°	395.0	303.8	286.0	300.6	301.1
80°	277.4	191.6	219.0	232.9	231.3
82.5°	162.0	134.1	160.5	170.7	170.1
85°	70.3	89.1	111.1	120.2	113.8
87.5°	22.5	55.3	69.2	74.6	74.0
90°	0.0	30.1	49.4	58.5	57.4
92.5°	0.0	23.6	43.0	53.7	54.2
95°	1.6	15.6	35.5	47.8	47.8
97.5°	1.1	11.3	25.2	37.6	38.6
100°	1.1	9.1	16.6	26.8	27.4
102.5°	2.7	7.5	10.2	17.2	17.7
105°	2.7	5.9	8.6	8.6	8.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	4.3	5.9	4.3	0.5
115°	2.7	3.8	5.3	3.8	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°	2.7	5.3	7.5	4.8	1.6
110°	3.2	4.8	6.4	4.3	0.5



(END OF REPORT)