

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: P829639

Luminaire Tested: **OHB-9SE-NL-UNV-L830-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829639
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: OHB-9SE-NL-UNV-L830-CD
Description: 9000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

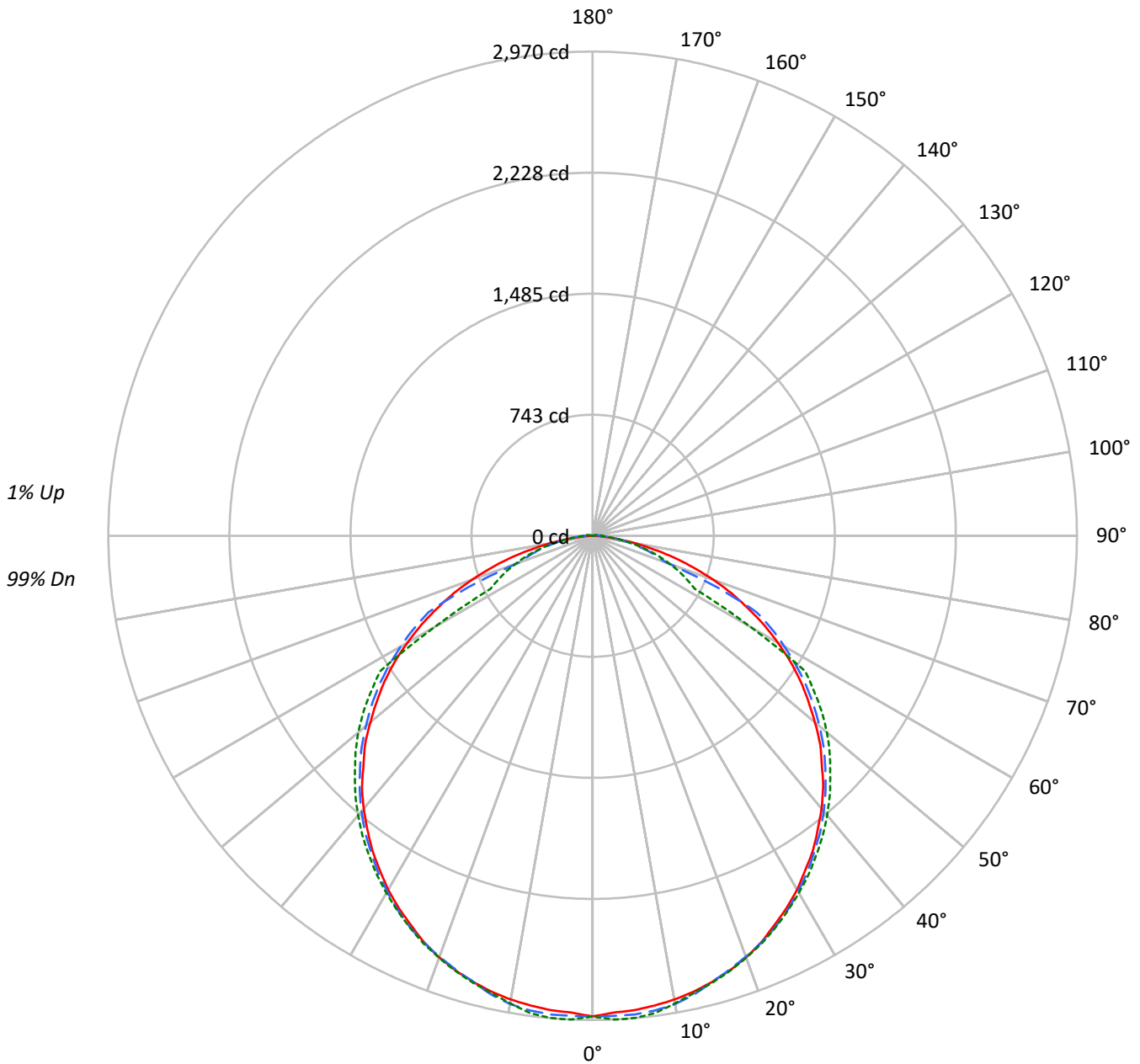
Lumens per Lamp: N/A
Luminaire Lumens: 8278.0 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 0.88' x L: 1.93' x H: 0')
CIE Type: Direct

Input Watts (W): 54
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	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°	18760	18760	18760
5°	18657	18826	18967
10°	18662	18839	18816
15°	18659	18655	18696
20°	18633	18605	18651
25°	18506	18600	18615
30°	18420	18515	18588
35°	18301	18402	18574
40°	18143	18315	18586
45°	17881	18151	18547
50°	17612	17971	18564
55°	17275	17723	18360
60°	16696	17289	14294
65°	15797	16715	9619
70°	14610	8874	9335
75°	12745	8432	8917
80°	9802	7735	8171
85°	4950	7819	8009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.1	3.4
10°-20°	802.0	9.7
20°-30°	1220.3	14.7
30°-40°	1483.8	17.9
40°-50°	1560.1	18.8
50°-60°	1424.6	17.2
60°-70°	913.2	11.0
70°-80°	431.4	5.2
80°-90°	119.6	1.4
90°-100°	31.7	0.4
100°-110°	8.7	0.1
110°-120°	2.4	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°	2302.5	27.8
0°-40°	3786.3	45.7
0°-60°	6771.0	81.8
0°-90°	8235.2	99.5
90°-120°	42.8	0.5
90°-150°	42.8	0.5
90°-180°	43.0	0.5
0°-180°	8278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2948	2948	2948	2948	2948	
5°	2921	2932	2947	2963	2970	278
15°	2832	2854	2832	2836	2838	800
25°	2636	2640	2649	2654	2651	1216
35°	2356	2342	2369	2398	2391	1472
45°	1987	1984	2017	2065	2061	1536
55°	1557	1545	1598	1651	1655	1389
65°	1049	1049	1110	637	639	1040
75°	518	528	343	361	363	546
85°	68	86	107	116	110	100
90°	0	29	48	56	55	3
95°	2	15	34	46	46	1
105°	3	6	8	8	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	



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CATALOG NUMBER: OHB-9SE-NL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2948.4	2948.4	2948.4	2948.4	2948.4
2.5°	2927.7	2937.6	2948.4	2962.4	2970.1
5°	2921.0	2932.4	2947.4	2963.4	2969.6
7.5°	2906.5	2922.5	2937.0	2948.4	2952.0
10°	2888.4	2907.5	2915.8	2914.8	2912.2
12.5°	2864.1	2884.3	2881.7	2869.8	2871.8
15°	2832.5	2853.7	2832.0	2836.1	2838.2
17.5°	2795.3	2816.0	2790.6	2798.9	2799.4
20°	2751.8	2767.3	2747.7	2754.4	2754.4
22.5°	2699.6	2710.4	2702.1	2706.8	2707.8
25°	2635.9	2640.0	2649.3	2653.5	2651.4
27.5°	2574.9	2569.7	2587.8	2597.6	2592.4
30°	2507.1	2498.8	2520.0	2536.1	2529.9
32.5°	2429.5	2424.3	2448.7	2467.8	2464.2
35°	2356.0	2342.1	2369.0	2397.9	2391.2
37.5°	2269.1	2260.8	2291.3	2321.9	2318.3
40°	2184.3	2170.3	2205.0	2241.2	2237.6
42.5°	2093.2	2076.6	2114.4	2157.9	2153.8
45°	1987.1	1983.5	2017.1	2064.7	2061.1
47.5°	1893.0	1874.9	1922.0	1968.0	1972.2
50°	1779.2	1772.5	1815.4	1871.3	1875.4
52.5°	1668.0	1663.3	1708.3	1764.7	1771.9
55°	1557.2	1545.3	1597.6	1650.9	1655.0
57.5°	1438.8	1426.4	1479.7	1537.6	1546.4
60°	1312.0	1300.1	1358.6	1412.4	1123.2
62.5°	1185.2	1177.0	1238.0	876.9	706.7
65°	1049.2	1049.2	1110.2	636.9	638.9
67.5°	921.9	913.7	827.8	572.2	572.2
70°	785.3	788.5	477.0	501.3	501.8
72.5°	648.2	659.6	411.8	431.5	432.5
75°	518.4	528.2	343.0	361.1	362.7
77.5°	380.8	292.8	275.7	289.8	290.2
80°	267.5	184.7	211.1	224.5	223.0
82.5°	156.2	129.3	154.7	164.5	164.0
85°	67.8	85.9	107.1	115.9	109.7
87.5°	21.7	53.3	66.7	71.9	71.4
90°	0.0	29.0	47.6	56.4	55.4
92.5°	0.0	22.7	41.4	51.8	52.3
95°	1.5	15.0	34.2	46.1	46.1
97.5°	1.0	10.8	24.3	36.2	37.2
100°	1.0	8.8	16.0	25.9	26.4
102.5°	2.6	7.2	9.8	16.5	17.1
105°	2.6	5.7	8.3	8.3	7.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	4.2	5.7	4.2	0.5
115°	2.6	3.6	5.1	3.6	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°	2.6	5.1	7.2	4.7	1.5
110°	3.1	4.7	6.2	4.2	0.5



(END OF REPORT)