

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: P829741

Luminaire Tested: **OHBL-12SE-A-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829741
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-12SE-A-UNV-L940-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

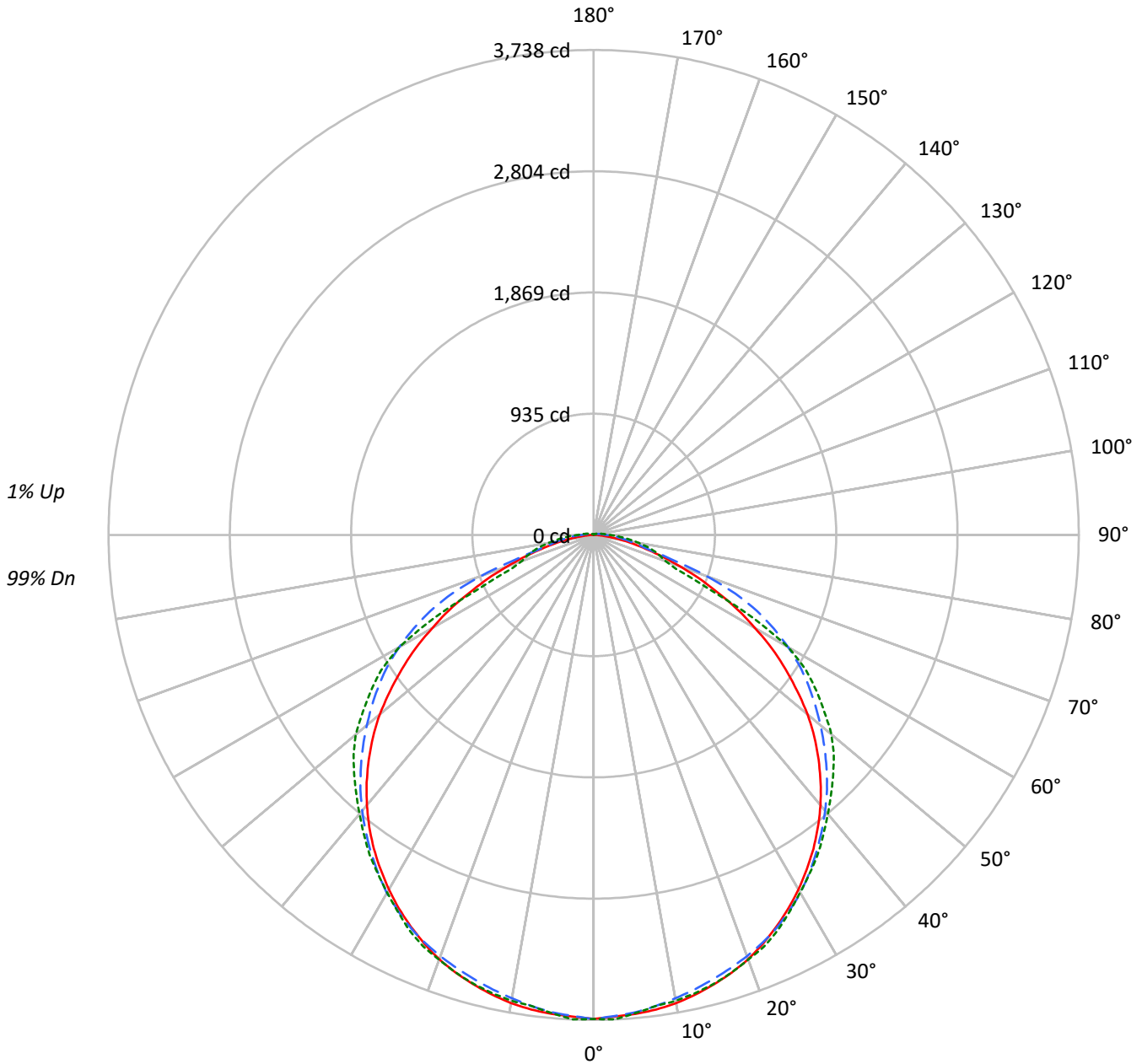
Lumens per Lamp: N/A
Luminaire Lumens: 10544.0 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70
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	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°	12137	12137	12137
5°	12057	11889	11884
10°	12013	11639	11654
15°	11937	11437	11479
20°	11860	11283	11280
25°	11717	11129	11080
30°	11562	10923	10769
35°	11376	10639	10547
40°	11134	10344	10278
45°	10798	10011	10085
50°	10344	9637	9865
55°	9622	9258	9341
60°	8676	8743	8466
65°	7443	7890	5232
70°	5995	6013	3671
75°	4495	3451	3559
80°	3128	2723	3167
85°	1780	2274	2623



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.8	3.3
10°-20°	1008.7	9.6
20°-30°	1540.5	14.6
30°-40°	1869.2	17.7
40°-50°	1959.1	18.6
50°-60°	1775.2	16.8
60°-70°	1190.2	11.3
70°-80°	534.5	5.1
80°-90°	193.9	1.8
90°-100°	58.4	0.6
100°-110°	27.5	0.3
110°-120°	13.8	0.1
120°-130°	7.6	0.1
130°-140°	5.2	0.0
140°-150°	3.5	0.0
150°-160°	2.6	0.0
160°-170°	1.7	0.0
170°-180°	0.5	0.0
0°-30°	2900.9	27.5
0°-40°	4770.1	45.2
0°-60°	8504.4	80.7
0°-90°	10423.1	98.9
90°-120°	99.7	0.9
90°-150°	116.1	1.1
90°-180°	121.0	1.1
0°-180°	10544.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3730	3730	3730	3730	3730	
5°	3706	3719	3693	3705	3700	352
15°	3586	3572	3546	3578	3582	1012
25°	3331	3317	3340	3371	3361	1536
35°	2953	2960	2990	3022	3010	1846
45°	2450	2490	2537	2602	2610	1888
55°	1803	1890	2019	2100	2095	1610
65°	1058	1224	1390	1173	957	1054
75°	416	604	444	455	484	455
85°	72	138	176	213	223	88
90°	0	46	91	114	120	4
95°	0	29	63	76	78	1
105°	2	12	31	37	39	3
115°	4	6	16	20	21	4
125°	4	4	10	11	12	4
135°	5	5	6	9	9	4
145°	5	5	5	6	6	3
155°	5	6	6	6	5	2
165°	6	6	6	6	6	2
175°	6	6	5	5	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3730.5	3730.5	3730.5	3730.5	3730.5
2.5°	3715.4	3731.0	3711.6	3732.6	3738.0
5°	3706.2	3719.1	3693.3	3704.6	3699.7
7.5°	3689.5	3693.8	3663.1	3672.2	3662.5
10°	3664.7	3662.5	3626.4	3644.2	3646.3
12.5°	3628.0	3621.5	3589.2	3616.1	3616.7
15°	3585.9	3571.9	3546.5	3577.8	3582.1
17.5°	3537.4	3519.0	3502.3	3542.8	3536.3
20°	3480.7	3459.2	3455.9	3500.2	3484.0
22.5°	3410.6	3393.9	3401.4	3443.5	3433.3
25°	3331.3	3316.8	3340.0	3370.7	3361.0
27.5°	3247.7	3239.1	3265.5	3289.2	3270.4
30°	3156.0	3151.2	3186.2	3205.6	3181.9
32.5°	3056.2	3057.8	3091.3	3117.7	3095.6
35°	2952.7	2959.7	2989.9	3021.7	3009.8
37.5°	2838.9	2854.5	2884.7	2920.8	2908.4
40°	2718.6	2741.2	2774.7	2818.4	2807.0
42.5°	2588.6	2617.2	2660.3	2708.9	2707.8
45°	2450.5	2490.4	2536.8	2601.5	2609.6
47.5°	2307.0	2351.8	2410.6	2496.9	2509.3
50°	2151.1	2207.2	2280.6	2384.1	2391.7
52.5°	1977.4	2054.0	2151.1	2250.4	2241.2
55°	1803.2	1890.1	2019.0	2099.9	2095.0
57.5°	1629.5	1727.2	1883.6	1941.3	1940.8
60°	1435.3	1558.9	1729.8	1773.5	1730.4
62.5°	1255.7	1388.4	1565.9	1534.0	1386.3
65°	1058.3	1223.9	1389.5	1172.7	957.4
67.5°	883.0	1055.6	1180.2	803.2	687.7
70°	706.6	897.0	920.2	596.0	587.9
72.5°	550.2	753.0	634.9	510.3	536.2
75°	416.4	604.1	444.5	454.7	484.4
77.5°	303.7	463.9	345.8	398.6	422.9
80°	208.7	328.5	282.1	335.0	351.7
82.5°	131.1	216.8	226.0	269.7	287.0
85°	71.7	137.5	176.4	213.1	223.3
87.5°	29.7	83.1	134.8	164.5	173.1
90°	0.5	45.8	91.2	114.4	119.7
92.5°	0.5	35.1	74.4	92.2	96.0
95°	0.5	28.6	62.6	76.1	78.2
97.5°	1.1	22.7	52.3	63.1	65.3
100°	1.6	18.9	43.7	52.9	54.5
102.5°	2.2	15.1	36.7	44.2	45.8
105°	2.2	12.4	30.7	37.2	38.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	7.6	18.3	23.2	24.3
115°	4.3	6.5	15.6	20.0	21.0
117.5°	4.3	5.4	13.5	16.7	17.8
120°	4.3	4.9	11.9	14.6	15.1
122.5°	4.3	4.3	10.2	12.9	13.5
125°	3.8	4.3	9.7	11.3	11.9
127.5°	4.3	4.3	8.6	10.2	10.8
130°	4.3	4.9	7.6	9.7	9.7
132.5°	4.9	5.4	7.0	9.2	9.2
135°	4.9	5.4	5.9	8.6	9.2
137.5°	5.4	5.4	5.4	8.1	8.6
140°	5.4	5.4	4.9	7.0	7.6
142.5°	4.9	5.4	4.9	6.5	7.0
145°	4.9	5.4	5.4	5.9	6.5
147.5°	5.4	5.4	5.4	5.4	5.9
150°	5.4	5.4	5.4	5.4	5.4
152.5°	5.4	5.4	5.4	5.4	5.4
155°	5.4	5.9	5.9	5.9	5.4
157.5°	5.4	5.9	5.9	5.9	5.9
160°	5.4	5.9	5.9	5.9	5.9
162.5°	5.9	5.9	5.9	5.9	5.9
165°	5.9	5.9	5.9	5.9	5.9
167.5°	5.9	6.5	5.9	5.9	5.9
170°	5.9	5.9	5.9	5.4	5.4
172.5°	5.9	5.9	5.9	5.4	5.4
175°	5.9	5.9	5.4	4.9	4.9
177.5°	6.5	5.9	5.4	4.9	4.3
180°	5.4	5.4	5.4	5.4	5.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.7	10.2	26.4	31.8	32.9
110°	3.2	8.6	22.1	27.0	28.0



(END OF REPORT)