

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: P828797

Luminaire Tested: **OHB-12SE-A-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828797
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: OHB-12SE-A-UNV-L740-CD
Description: 12000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

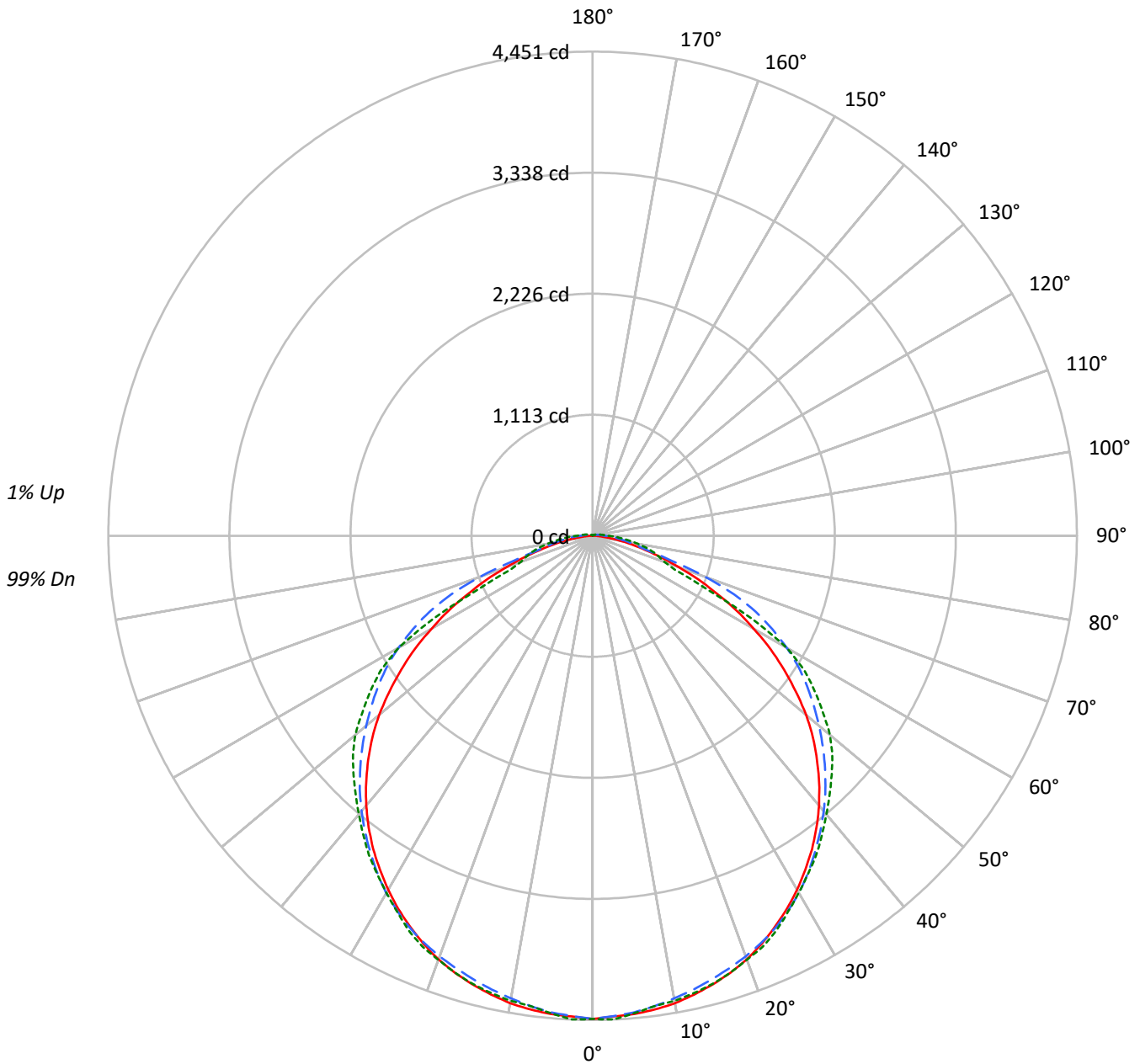
Lumens per Lamp: N/A
Luminaire Lumens: 12554.0 lumens
Efficiency: N/A
Efficacy: 165.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 76
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	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°	28261	28261	28261
5°	27974	27614	27674
10°	27769	26966	27138
15°	27490	26430	26731
20°	27208	26009	26267
25°	26771	25584	25802
30°	26299	25043	25077
35°	25752	24319	24560
40°	25072	23570	23934
45°	24170	22731	23485
50°	22991	21796	22972
55°	21206	20842	21753
60°	18922	19575	19714
65°	16010	17546	12184
70°	12654	13256	8548
75°	9222	7519	8286
80°	6115	5834	7374
85°	3140	4737	6109



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.8	3.3
10°-20°	1200.9	9.6
20°-30°	1834.2	14.6
30°-40°	2225.5	17.7
40°-50°	2332.5	18.6
50°-60°	2113.6	16.8
60°-70°	1417.1	11.3
70°-80°	636.3	5.1
80°-90°	230.9	1.8
90°-100°	69.5	0.6
100°-110°	32.8	0.3
110°-120°	16.4	0.1
120°-130°	9.1	0.1
130°-140°	6.2	0.0
140°-150°	4.2	0.0
150°-160°	3.1	0.0
160°-170°	2.0	0.0
170°-180°	0.6	0.0
0°-30°	3453.9	27.5
0°-40°	5679.4	45.2
0°-60°	10125.6	80.7
0°-90°	12410.0	98.9
90°-120°	118.7	0.9
90°-150°	138.2	1.1
90°-180°	144.0	1.1
0°-180°	12554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4442	4442	4442	4442	4442	
5°	4413	4428	4397	4411	4405	420
15°	4270	4253	4223	4260	4265	1205
25°	3966	3949	3977	4013	4002	1828
35°	3516	3524	3560	3598	3584	2197
45°	2918	2965	3020	3097	3107	2248
55°	2147	2250	2404	2500	2494	1916
65°	1260	1457	1654	1396	1140	1255
75°	496	719	529	541	577	542
85°	85	164	210	254	266	104
90°	1	55	108	136	143	5
95°	1	34	74	91	93	1
105°	3	15	37	44	46	3
115°	5	8	19	24	25	5
125°	4	5	12	14	14	4
135°	6	6	7	10	11	5
145°	6	6	6	7	8	4
155°	6	7	7	7	6	3
165°	7	7	7	7	7	2
175°	7	7	6	6	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4441.6	4441.6	4441.6	4441.6	4441.6
2.5°	4423.6	4442.3	4419.1	4444.2	4450.6
5°	4412.7	4428.1	4397.3	4410.8	4405.0
7.5°	4392.8	4397.9	4361.3	4372.3	4360.7
10°	4363.3	4360.7	4317.7	4338.9	4341.4
12.5°	4319.6	4311.9	4273.4	4305.5	4306.1
15°	4269.5	4252.8	4222.6	4259.9	4265.0
17.5°	4211.7	4189.9	4170.0	4218.1	4210.4
20°	4144.3	4118.6	4114.7	4167.4	4148.1
22.5°	4060.8	4040.9	4049.9	4100.0	4087.8
25°	3966.4	3949.0	3976.6	4013.3	4001.7
27.5°	3866.8	3856.6	3888.0	3916.3	3893.8
30°	3757.6	3751.9	3793.6	3816.7	3788.5
32.5°	3638.8	3640.8	3680.6	3712.1	3685.7
35°	3515.5	3523.9	3559.8	3597.7	3583.6
37.5°	3380.0	3398.6	3434.6	3477.6	3462.9
40°	3236.8	3263.8	3303.6	3355.6	3342.1
42.5°	3082.0	3116.1	3167.4	3225.2	3224.0
45°	2917.6	2965.1	3020.4	3097.4	3107.1
47.5°	2746.8	2800.1	2870.1	2972.9	2987.6
50°	2561.2	2628.0	2715.3	2838.6	2847.6
52.5°	2354.4	2445.6	2561.2	2679.4	2668.4
55°	2147.0	2250.4	2403.8	2500.2	2494.4
57.5°	1940.2	2056.4	2242.6	2311.4	2310.7
60°	1709.0	1856.0	2059.6	2111.6	2060.3
62.5°	1495.1	1653.1	1864.4	1826.5	1650.5
65°	1260.0	1457.2	1654.4	1396.2	1139.9
67.5°	1051.3	1256.8	1405.2	956.3	818.8
70°	841.3	1068.0	1095.6	709.7	700.0
72.5°	655.1	896.5	755.9	607.5	638.4
75°	495.8	719.3	529.2	541.4	576.7
77.5°	361.6	552.3	411.7	474.6	503.5
80°	248.5	391.1	335.9	398.8	418.7
82.5°	156.1	258.2	269.1	321.1	341.7
85°	85.4	163.8	210.0	253.7	265.9
87.5°	35.3	98.9	160.6	195.9	206.2
90°	0.6	54.6	108.5	136.2	142.6
92.5°	0.6	41.7	88.6	109.8	114.3
95°	0.6	34.0	74.5	90.6	93.1
97.5°	1.3	27.0	62.3	75.1	77.7
100°	1.9	22.5	52.0	62.9	64.9
102.5°	2.6	18.0	43.7	52.7	54.6
105°	2.6	14.8	36.6	44.3	46.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.5	9.0	21.8	27.6	28.9
115°	5.1	7.7	18.6	23.8	25.0
117.5°	5.1	6.4	16.1	19.9	21.2
120°	5.1	5.8	14.1	17.3	18.0
122.5°	5.1	5.1	12.2	15.4	16.1
125°	4.5	5.1	11.6	13.5	14.1
127.5°	5.1	5.1	10.3	12.2	12.8
130°	5.1	5.8	9.0	11.6	11.6
132.5°	5.8	6.4	8.3	10.9	10.9
135°	5.8	6.4	7.1	10.3	10.9
137.5°	6.4	6.4	6.4	9.6	10.3
140°	6.4	6.4	5.8	8.3	9.0
142.5°	5.8	6.4	5.8	7.7	8.3
145°	5.8	6.4	6.4	7.1	7.7
147.5°	6.4	6.4	6.4	6.4	7.1
150°	6.4	6.4	6.4	6.4	6.4
152.5°	6.4	6.4	6.4	6.4	6.4
155°	6.4	7.1	7.1	7.1	6.4
157.5°	6.4	7.1	7.1	7.1	7.1
160°	6.4	7.1	7.1	7.1	7.1
162.5°	7.1	7.1	7.1	7.1	7.1
165°	7.1	7.1	7.1	7.1	7.1
167.5°	7.1	7.7	7.1	7.1	7.1
170°	7.1	7.1	7.1	6.4	6.4
172.5°	7.1	7.1	7.1	6.4	6.4
175°	7.1	7.1	6.4	5.8	5.8
177.5°	7.7	7.1	6.4	5.8	5.1
180°	6.4	6.4	6.4	6.4	6.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.2	12.2	31.5	37.9	39.2
110°	3.9	10.3	26.3	32.1	33.4



(END OF REPORT)