

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: P829733

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829733
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-L740-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

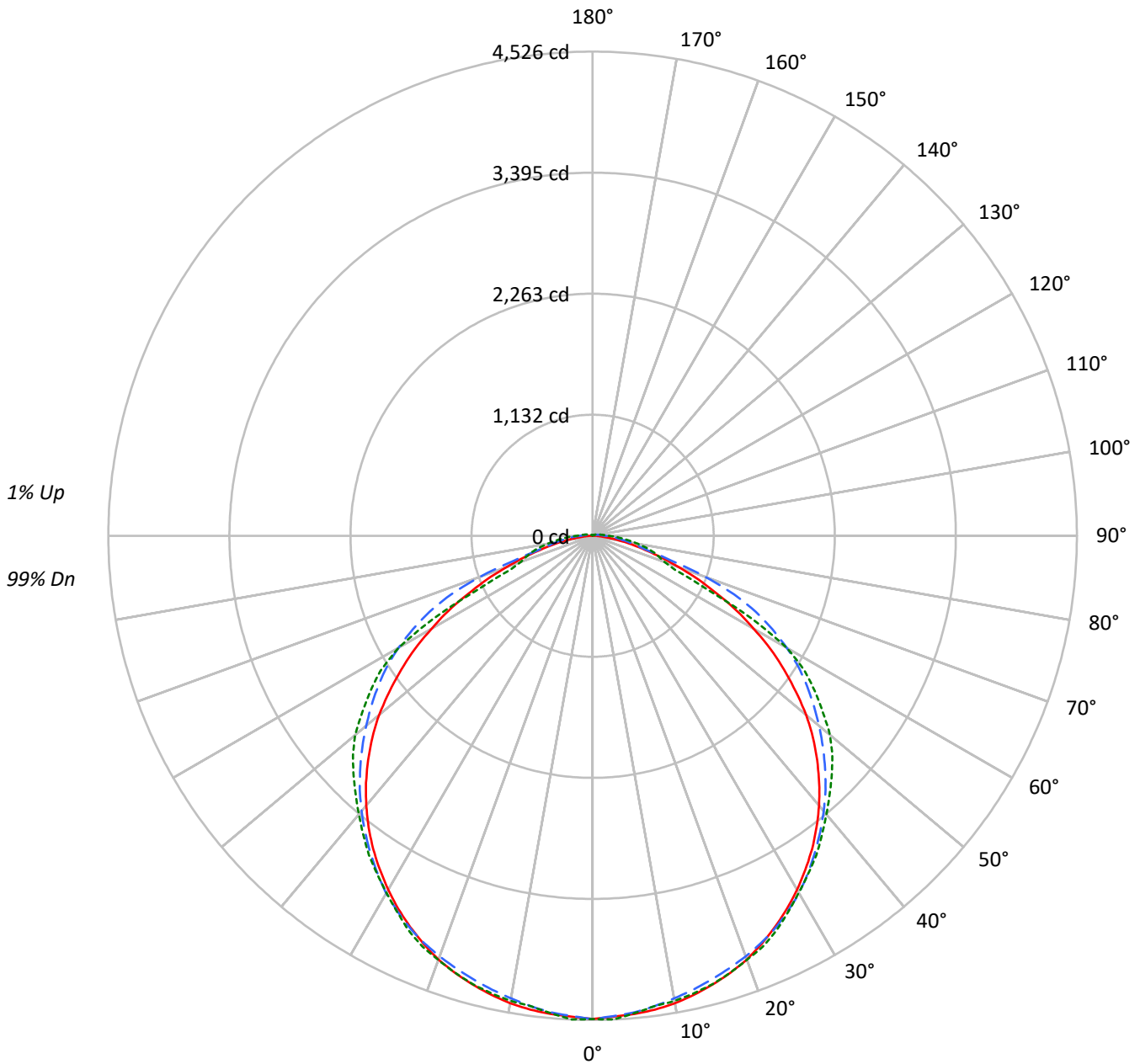
Lumens per Lamp: N/A
Luminaire Lumens: 12767.0 lumens
Efficiency: N/A
Efficacy: 182.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): NR
Input Current (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°	14695	14695	14695
5°	14599	14395	14390
10°	14546	14093	14111
15°	14453	13848	13899
20°	14361	13662	13658
25°	14188	13475	13417
30°	13999	13226	13039
35°	13774	12882	12770
40°	13481	12525	12445
45°	13075	12121	12211
50°	12525	11669	11945
55°	11651	11210	11311
60°	10506	10587	10250
65°	9012	9553	6336
70°	7259	7280	4445
75°	5442	4178	4309
80°	3789	3298	3834
85°	2157	2753	3176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.9	3.3
10°-20°	1221.3	9.6
20°-30°	1865.3	14.6
30°-40°	2263.3	17.7
40°-50°	2372.1	18.6
50°-60°	2149.5	16.8
60°-70°	1441.2	11.3
70°-80°	647.1	5.1
80°-90°	234.9	1.8
90°-100°	70.7	0.6
100°-110°	33.4	0.3
110°-120°	16.7	0.1
120°-130°	9.2	0.1
130°-140°	6.3	0.0
140°-150°	4.3	0.0
150°-160°	3.2	0.0
160°-170°	2.0	0.0
170°-180°	0.6	0.0
0°-30°	3512.5	27.5
0°-40°	5775.8	45.2
0°-60°	10297.4	80.7
0°-90°	12620.6	98.9
90°-120°	120.8	0.9
90°-150°	140.6	1.1
90°-180°	146.0	1.1
0°-180°	12767.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4517	4517	4517	4517	4517	
5°	4488	4503	4472	4486	4480	427
15°	4342	4325	4294	4332	4337	1226
25°	4034	4016	4044	4081	4070	1859
35°	3575	3584	3620	3659	3644	2235
45°	2967	3016	3072	3150	3160	2286
55°	2183	2288	2445	2543	2537	1949
65°	1281	1482	1682	1420	1159	1277
75°	504	732	538	551	586	551
85°	87	166	214	258	270	106
90°	1	56	110	138	145	5
95°	1	35	76	92	95	1
105°	3	15	37	45	47	3
115°	5	8	19	24	26	5
125°	5	5	12	14	14	5
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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CATALOG NUMBER: OHBL-12SE-A-UNV-L740-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4517.0	4517.0	4517.0	4517.0	4517.0
2.5°	4498.7	4517.6	4494.1	4519.6	4526.1
5°	4487.6	4503.3	4471.9	4485.6	4479.7
7.5°	4467.3	4472.6	4435.3	4446.4	4434.7
10°	4437.3	4434.7	4390.9	4412.5	4415.1
12.5°	4392.9	4385.0	4345.9	4378.5	4379.2
15°	4341.9	4325.0	4294.3	4332.1	4337.4
17.5°	4283.2	4261.0	4240.7	4289.7	4281.9
20°	4214.6	4188.5	4184.5	4238.1	4218.5
22.5°	4129.7	4109.4	4118.6	4169.5	4157.1
25°	4033.7	4016.0	4044.1	4081.3	4069.6
27.5°	3932.4	3922.0	3954.0	3982.7	3959.9
30°	3821.4	3815.5	3858.0	3881.5	3852.8
32.5°	3700.6	3702.5	3743.0	3775.0	3748.3
35°	3575.2	3583.7	3620.2	3658.8	3644.4
37.5°	3437.4	3456.3	3492.9	3536.6	3521.6
40°	3291.7	3319.2	3359.6	3412.6	3398.8
42.5°	3134.3	3168.9	3221.2	3280.0	3278.7
45°	2967.1	3015.5	3071.6	3150.0	3159.8
47.5°	2793.4	2847.6	2918.8	3023.3	3038.3
50°	2604.6	2672.6	2761.4	2886.8	2895.9
52.5°	2394.3	2487.1	2604.6	2724.8	2713.7
55°	2183.4	2288.5	2444.6	2542.6	2536.7
57.5°	1973.1	2091.3	2280.7	2350.6	2349.9
60°	1738.0	1887.5	2094.6	2147.5	2095.2
62.5°	1520.5	1681.1	1896.0	1857.5	1678.5
65°	1281.4	1481.9	1682.4	1419.9	1159.3
67.5°	1069.2	1278.2	1429.0	972.5	832.7
70°	855.6	1086.1	1114.2	721.7	711.9
72.5°	666.2	911.8	768.7	617.9	649.2
75°	504.2	731.5	538.2	550.6	586.5
77.5°	367.7	561.7	418.6	482.7	512.0
80°	252.8	397.7	341.6	405.6	425.8
82.5°	158.7	262.6	273.7	326.6	347.5
85°	86.9	166.5	213.6	258.0	270.4
87.5°	35.9	100.6	163.3	199.2	209.7
90°	0.7	55.5	110.4	138.5	145.0
92.5°	0.7	42.5	90.1	111.7	116.3
95°	0.7	34.6	75.8	92.1	94.7
97.5°	1.3	27.4	63.4	76.4	79.0
100°	2.0	22.9	52.9	64.0	66.0
102.5°	2.6	18.3	44.4	53.6	55.5
105°	2.6	15.0	37.2	45.1	47.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.6	9.1	22.2	28.1	29.4
115°	5.2	7.8	18.9	24.2	25.5
117.5°	5.2	6.5	16.3	20.2	21.6
120°	5.2	5.9	14.4	17.6	18.3
122.5°	5.2	5.2	12.4	15.7	16.3
125°	4.6	5.2	11.8	13.7	14.4
127.5°	5.2	5.2	10.4	12.4	13.1
130°	5.2	5.9	9.1	11.8	11.8
132.5°	5.9	6.5	8.5	11.1	11.1
135°	5.9	6.5	7.2	10.4	11.1
137.5°	6.5	6.5	6.5	9.8	10.4
140°	6.5	6.5	5.9	8.5	9.1
142.5°	5.9	6.5	5.9	7.8	8.5
145°	5.9	6.5	6.5	7.2	7.8
147.5°	6.5	6.5	6.5	6.5	7.2
150°	6.5	6.5	6.5	6.5	6.5
152.5°	6.5	6.5	6.5	6.5	6.5
155°	6.5	7.2	7.2	7.2	6.5
157.5°	6.5	7.2	7.2	7.2	7.2
160°	6.5	7.2	7.2	7.2	7.2
162.5°	7.2	7.2	7.2	7.2	7.2
165°	7.2	7.2	7.2	7.2	7.2
167.5°	7.2	7.8	7.2	7.2	7.2
170°	7.2	7.2	7.2	6.5	6.5
172.5°	7.2	7.2	7.2	6.5	6.5
175°	7.2	7.2	6.5	5.9	5.9
177.5°	7.8	7.2	6.5	5.9	5.2
180°	6.5	6.5	6.5	6.5	6.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.3	12.4	32.0	38.5	39.8
110°	3.9	10.4	26.8	32.7	34.0



(END OF REPORT)