

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: P829813

Luminaire Tested: **OHBL-15SE-A-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829813
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-15SE-A-UNV-L940-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

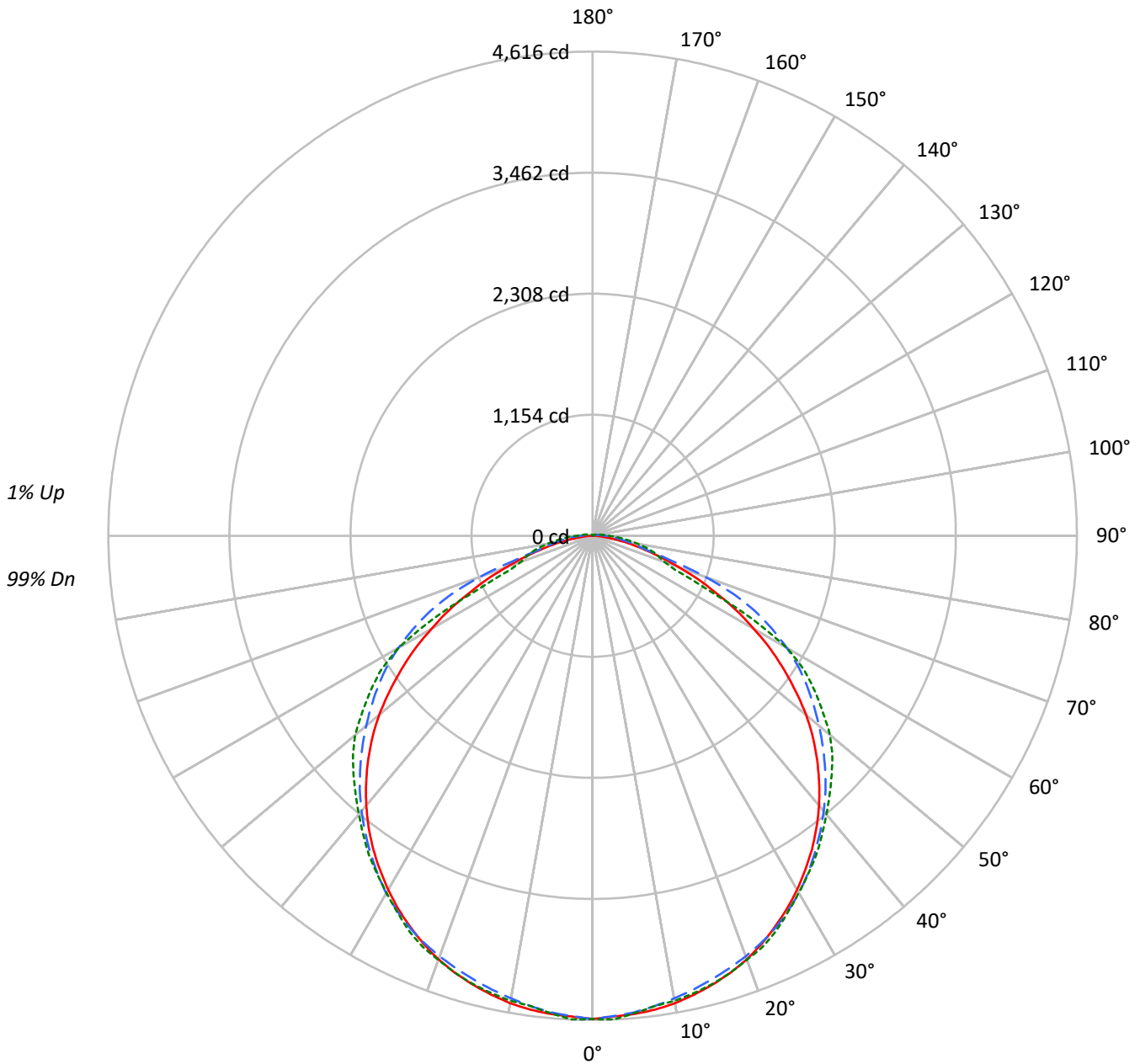
Lumens per Lamp: N/A
Luminaire Lumens: 13020.0 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 87
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				20				20
RC	80				70				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°	14986	14986	14986
5°	14888	14680	14675
10°	14834	14372	14391
15°	14740	14122	14174
20°	14645	13933	13929
25°	14469	13742	13682
30°	14277	13488	13297
35°	14047	13137	13023
40°	13748	12773	12692
45°	13334	12362	12453
50°	12773	11900	12182
55°	11881	11432	11535
60°	10714	10797	10453
65°	9191	9742	6461
70°	7403	7425	4533
75°	5550	4261	4394
80°	3864	3363	3911
85°	2199	2807	3239



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.4	3.3
10°-20°	1245.5	9.6
20°-30°	1902.3	14.6
30°-40°	2308.1	17.7
40°-50°	2419.1	18.6
50°-60°	2192.1	16.8
60°-70°	1469.7	11.3
70°-80°	660.0	5.1
80°-90°	239.5	1.8
90°-100°	72.1	0.6
100°-110°	34.0	0.3
110°-120°	17.0	0.1
120°-130°	9.4	0.1
130°-140°	6.5	0.0
140°-150°	4.4	0.0
150°-160°	3.2	0.0
160°-170°	2.1	0.0
170°-180°	0.7	0.0
0°-30°	3582.1	27.5
0°-40°	5890.3	45.2
0°-60°	10501.5	80.7
0°-90°	12870.7	98.9
90°-120°	123.2	0.9
90°-150°	143.4	1.1
90°-180°	149.0	1.1
0°-180°	13020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4606	4606	4606	4606	4606	
5°	4576	4592	4560	4574	4568	435
15°	4428	4411	4379	4418	4423	1250
25°	4114	4096	4124	4162	4150	1896
35°	3646	3655	3692	3731	3717	2279
45°	3026	3075	3132	3212	3222	2331
55°	2227	2334	2493	2593	2587	1988
65°	1307	1511	1716	1448	1182	1302
75°	514	746	549	562	598	562
85°	89	170	218	263	276	108
90°	1	57	113	141	148	5
95°	1	35	77	94	97	1
105°	3	15	38	46	48	3
115°	5	8	19	25	26	5
125°	5	5	12	14	15	5
135°	6	7	7	11	11	5
145°	6	7	7	7	8	4
155°	7	7	7	7	7	3
165°	7	7	7	7	7	2
175°	7	7	7	6	6	1
180°	7	7	7	7	7	



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CATALOG NUMBER: OHBL-15SE-A-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4606.5	4606.5	4606.5	4606.5	4606.5
2.5°	4587.8	4607.2	4583.2	4609.2	4615.8
5°	4576.5	4592.5	4560.5	4574.5	4568.5
7.5°	4555.9	4561.2	4523.2	4534.6	4522.6
10°	4525.2	4522.6	4477.9	4499.9	4502.6
12.5°	4479.9	4471.9	4432.0	4465.3	4465.9
15°	4428.0	4410.7	4379.4	4418.0	4423.3
17.5°	4368.0	4345.4	4324.7	4374.7	4366.7
20°	4298.1	4271.5	4267.5	4322.1	4302.1
22.5°	4211.5	4190.9	4200.2	4252.1	4239.5
25°	4113.6	4095.6	4124.3	4162.2	4150.2
27.5°	4010.4	3999.7	4032.3	4061.6	4038.3
30°	3897.1	3891.1	3934.4	3958.4	3929.1
32.5°	3773.9	3775.9	3817.2	3849.8	3822.5
35°	3646.0	3654.7	3692.0	3731.3	3716.6
37.5°	3505.5	3524.8	3562.1	3606.7	3591.4
40°	3357.0	3384.9	3426.2	3480.2	3466.2
42.5°	3196.4	3231.7	3285.0	3345.0	3343.6
45°	3025.9	3075.2	3132.5	3212.4	3222.4
47.5°	2848.7	2904.0	2976.6	3083.2	3098.5
50°	2656.3	2725.5	2816.1	2944.0	2953.3
52.5°	2441.8	2536.4	2656.3	2778.8	2767.5
55°	2226.6	2333.9	2493.1	2593.0	2587.0
57.5°	2012.2	2132.7	2325.9	2397.2	2396.5
60°	1772.4	1924.9	2136.1	2190.0	2136.7
62.5°	1550.6	1714.4	1933.6	1894.3	1711.8
65°	1306.8	1511.3	1715.8	1448.0	1182.3
67.5°	1090.3	1303.5	1457.3	991.8	849.2
70°	872.5	1107.7	1136.3	736.0	726.0
72.5°	679.4	929.8	784.0	630.1	662.1
75°	514.2	746.0	548.8	561.5	598.1
77.5°	375.0	572.8	426.9	492.2	522.2
80°	257.8	405.6	348.4	413.6	434.3
82.5°	161.9	267.8	279.1	333.0	354.3
85°	88.6	169.8	217.8	263.1	275.7
87.5°	36.6	102.6	166.5	203.1	213.8
90°	0.7	56.6	112.6	141.2	147.9
92.5°	0.7	43.3	91.9	113.9	118.6
95°	0.7	35.3	77.3	93.9	96.6
97.5°	1.3	28.0	64.6	77.9	80.6
100°	2.0	23.3	54.0	65.3	67.3
102.5°	2.7	18.6	45.3	54.6	56.6
105°	2.7	15.3	38.0	46.0	48.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.7	9.3	22.6	28.6	30.0
115°	5.3	8.0	19.3	24.6	26.0
117.5°	5.3	6.7	16.7	20.6	22.0
120°	5.3	6.0	14.7	18.0	18.6
122.5°	5.3	5.3	12.7	16.0	16.7
125°	4.7	5.3	12.0	14.0	14.7
127.5°	5.3	5.3	10.7	12.7	13.3
130°	5.3	6.0	9.3	12.0	12.0
132.5°	6.0	6.7	8.7	11.3	11.3
135°	6.0	6.7	7.3	10.7	11.3
137.5°	6.7	6.7	6.7	10.0	10.7
140°	6.7	6.7	6.0	8.7	9.3
142.5°	6.0	6.7	6.0	8.0	8.7
145°	6.0	6.7	6.7	7.3	8.0
147.5°	6.7	6.7	6.7	6.7	7.3
150°	6.7	6.7	6.7	6.7	6.7
152.5°	6.7	6.7	6.7	6.7	6.7
155°	6.7	7.3	7.3	7.3	6.7
157.5°	6.7	7.3	7.3	7.3	7.3
160°	6.7	7.3	7.3	7.3	7.3
162.5°	7.3	7.3	7.3	7.3	7.3
165°	7.3	7.3	7.3	7.3	7.3
167.5°	7.3	8.0	7.3	7.3	7.3
170°	7.3	7.3	7.3	6.7	6.7
172.5°	7.3	7.3	7.3	6.7	6.7
175°	7.3	7.3	6.7	6.0	6.0
177.5°	8.0	7.3	6.7	6.0	5.3
180°	6.7	6.7	6.7	6.7	6.7



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.3	12.7	32.6	39.3	40.6
110°	4.0	10.7	27.3	33.3	34.6



(END OF REPORT)