

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: P829873

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-W-UNV-L940-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

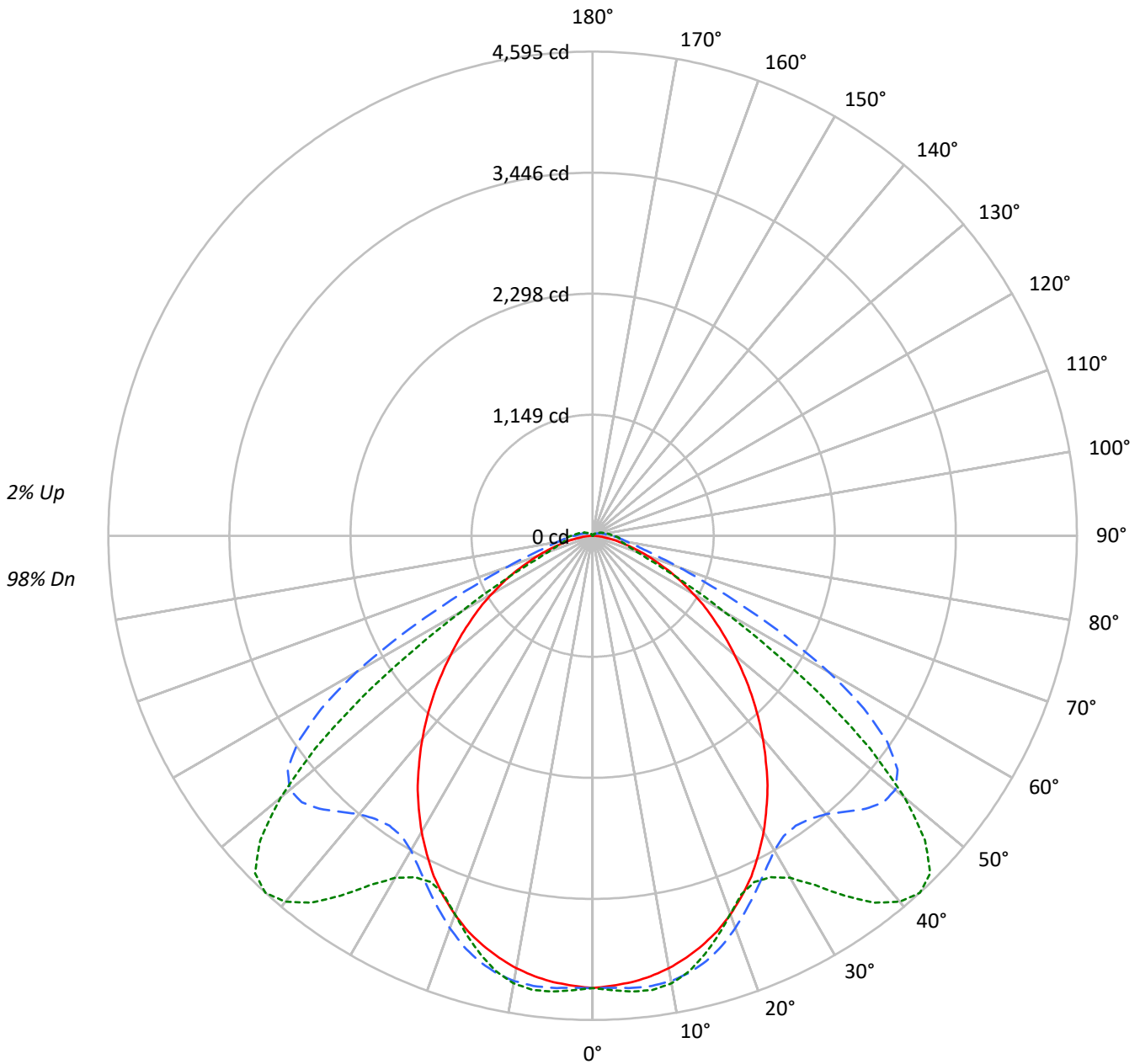
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12852.0 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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									
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	105	105	105	100	100	100					98															
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83															
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70															
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59															
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50															
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43															
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38															
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33															
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29															
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13964	13964	13964
5°	13834	13868	13945
10°	13661	13771	13787
15°	13394	13468	13176
20°	13029	12932	12368
25°	12541	12302	11956
30°	11891	11817	12681
35°	11150	11955	14609
40°	10289	12853	16602
45°	9390	14461	17504
50°	8452	15841	15932
55°	7570	15649	11859
60°	6673	13064	7022
65°	5725	8871	4084
70°	4651	5609	2793
75°	3538	3896	2395
80°	2540	3263	2385
85°	1725	3294	2970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.2	3.2
10°-20°	1161.5	9.0
20°-30°	1699.7	13.2
30°-40°	2207.4	17.2
40°-50°	2695.5	21.0
50°-60°	2373.8	18.5
60°-70°	1237.0	9.6
70°-80°	530.5	4.1
80°-90°	254.7	2.0
90°-100°	119.7	0.9
100°-110°	74.4	0.6
110°-120°	44.0	0.3
120°-130°	23.9	0.2
130°-140°	12.0	0.1
140°-150°	5.8	0.0
150°-160°	2.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3271.4	25.5
0°-40°	5478.7	42.6
0°-60°	10548.0	82.1
0°-90°	12570.2	97.8
90°-120°	238.1	1.9
90°-150°	279.7	2.2
90°-180°	282.0	2.2
0°-180°	12852.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4292	4292	4292	4292	4292	
5°	4252	4285	4308	4346	4341	403
15°	4024	4137	4177	4145	4112	1133
25°	3565	3756	3692	3623	3626	1636
35°	2894	3200	3360	3918	4169	1804
45°	2131	2681	3664	4437	4529	1643
55°	1419	2348	3413	2992	2660	1273
65°	814	1627	1562	869	747	805
75°	328	761	502	344	326	357
85°	70	271	256	250	253	77
90°	1	98	168	193	197	5
95°	2	57	134	157	162	1
105°	4	32	87	105	106	4
115°	6	18	54	66	68	6
125°	6	9	32	41	42	6
135°	6	6	15	25	26	4
145°	7	6	6	12	14	4
155°	7	7	6	6	6	2
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P829873

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4292.3	4292.3	4292.3	4292.3	4292.3
2.5°	4273.8	4292.3	4293.3	4319.2	4316.4
5°	4252.5	4284.9	4308.1	4346.0	4341.4
7.5°	4217.3	4268.3	4309.0	4350.7	4347.0
10°	4167.3	4236.8	4290.5	4324.7	4313.6
12.5°	4102.5	4194.2	4247.0	4254.4	4233.1
15°	4023.8	4136.8	4176.6	4145.1	4111.7
17.5°	3934.9	4067.3	4081.2	4012.7	3971.0
20°	3823.7	3974.7	3960.8	3866.3	3820.0
22.5°	3700.6	3872.8	3828.4	3729.3	3684.8
25°	3565.4	3756.1	3692.2	3622.8	3626.5
27.5°	3407.0	3623.7	3561.7	3593.2	3652.4
30°	3245.9	3484.8	3446.8	3630.2	3746.9
32.5°	3069.0	3342.2	3376.5	3738.5	3929.3
35°	2894.0	3199.6	3359.8	3918.2	4169.2
37.5°	2700.4	3055.1	3386.6	4125.6	4388.6
40°	2512.4	2914.3	3447.8	4311.8	4534.0
42.5°	2320.7	2788.4	3550.6	4422.0	4595.2
45°	2130.9	2681.0	3664.5	4436.8	4529.4
47.5°	1941.0	2590.2	3743.2	4319.2	4276.6
50°	1757.7	2509.6	3748.7	4036.7	3862.6
52.5°	1586.4	2435.6	3646.9	3586.7	3316.3
55°	1418.7	2348.5	3412.6	2992.1	2659.7
57.5°	1265.9	2228.1	3051.4	2353.1	1990.1
60°	1103.9	2065.1	2584.7	1721.6	1435.4
62.5°	954.8	1862.3	2061.4	1198.3	1031.6
65°	814.0	1627.1	1562.3	868.7	747.3
67.5°	664.9	1383.5	1153.0	633.4	555.6
70°	548.2	1157.6	858.5	492.7	447.3
72.5°	428.8	942.7	641.8	400.1	375.1
75°	327.8	761.2	501.9	343.6	326.0
77.5°	241.7	601.9	403.8	303.8	287.1
80°	169.5	474.1	338.0	271.3	264.9
82.5°	113.9	366.7	288.0	258.4	259.3
85°	69.5	271.3	255.6	250.0	252.8
87.5°	33.3	192.6	219.5	227.8	230.6
90°	0.9	98.2	168.5	192.6	197.3
92.5°	0.0	75.0	148.2	172.2	176.9
95°	1.9	57.4	134.3	157.4	162.1
97.5°	1.9	47.2	120.4	144.5	147.2
100°	2.8	40.7	107.4	130.6	133.4
102.5°	2.8	36.1	96.3	116.7	118.5
105°	3.7	32.4	87.1	104.6	106.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.6	22.2	61.1	74.1	75.9
115°	5.6	18.5	53.7	65.8	67.6
117.5°	6.5	16.7	47.2	58.3	59.3
120°	6.5	13.9	40.7	51.9	52.8
122.5°	6.5	11.1	36.1	46.3	47.2
125°	6.5	9.3	31.5	40.7	41.7
127.5°	5.6	6.5	26.9	36.1	37.0
130°	5.6	5.6	22.2	31.5	33.3
132.5°	5.6	5.6	18.5	27.8	29.6
135°	5.6	5.6	14.8	25.0	25.9
137.5°	5.6	5.6	12.0	21.3	23.2
140°	5.6	5.6	9.3	18.5	19.4
142.5°	6.5	5.6	8.3	15.7	16.7
145°	7.4	5.6	6.5	12.0	13.9
147.5°	7.4	6.5	6.5	10.2	11.1
150°	7.4	7.4	5.6	7.4	9.3
152.5°	7.4	7.4	5.6	5.6	7.4
155°	7.4	7.4	5.6	5.6	5.6
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°	4.6	28.7	77.8	93.5	95.4
110°	4.6	25.0	68.5	83.3	85.2



(END OF REPORT)