

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: P830004

Luminaire Tested: **OHBL-18SE-NL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-18SE-NL-UNV-L935-CD
Description: 18000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

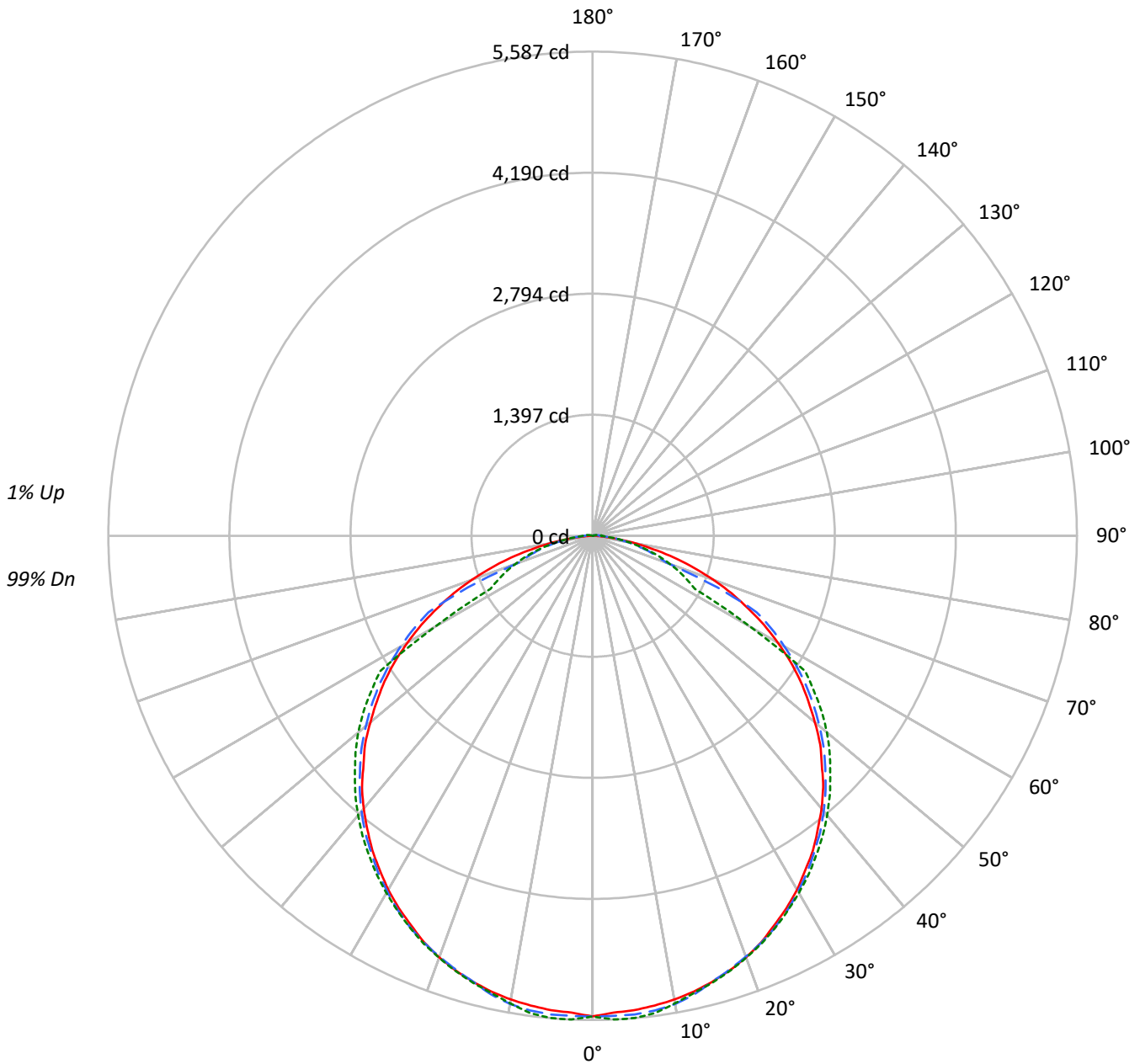
Lumens per Lamp: N/A
Luminaire Lumens: 15572.0 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 105
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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9473	9473	9473
5°	9421	9506	9578
10°	9423	9513	9501
15°	9422	9420	9441
20°	9409	9395	9418
25°	9345	9392	9400
30°	9301	9349	9386
35°	9241	9292	9379
40°	9161	9248	9385
45°	9029	9165	9365
50°	8893	9074	9374
55°	8723	8949	9271
60°	8431	8730	7218
65°	7977	8440	4857
70°	7377	4480	4714
75°	6435	4258	4502
80°	4948	3906	4126
85°	2499	3947	4043



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.9	3.4
10°-20°	1508.7	9.7
20°-30°	2295.7	14.7
30°-40°	2791.2	17.9
40°-50°	2934.8	18.8
50°-60°	2679.8	17.2
60°-70°	1717.9	11.0
70°-80°	811.5	5.2
80°-90°	225.0	1.4
90°-100°	59.6	0.4
100°-110°	16.3	0.1
110°-120°	4.5	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4331.3	27.8
0°-40°	7122.5	45.7
0°-60°	12737.1	81.8
0°-90°	15491.5	99.5
90°-120°	80.4	0.5
90°-150°	80.4	0.5
90°-180°	80.0	0.5
0°-180°	15572.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5546	5546	5546	5546	5546	
5°	5495	5516	5544	5575	5586	523
15°	5328	5368	5327	5335	5339	1504
25°	4958	4966	4984	4992	4988	2288
35°	4432	4406	4456	4511	4498	2770
45°	3738	3731	3794	3884	3877	2889
55°	2929	2907	3005	3106	3113	2612
65°	1974	1974	2088	1198	1202	1957
75°	975	994	645	679	682	1028
85°	128	162	201	218	206	188
90°	0	54	90	106	104	6
95°	3	28	64	87	87	2
105°	5	11	16	16	15	5
115°	5	7	10	7	1	3
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5546.3	5546.3	5546.3	5546.3	5546.3
2.5°	5507.4	5525.9	5546.3	5572.6	5587.1
5°	5494.7	5516.2	5544.4	5574.6	5586.2
7.5°	5467.5	5497.6	5524.9	5546.3	5553.1
10°	5433.4	5469.5	5485.0	5483.1	5478.2
12.5°	5387.7	5425.7	5420.8	5398.4	5402.3
15°	5328.3	5368.2	5327.4	5335.1	5339.0
17.5°	5258.3	5297.2	5249.5	5265.1	5266.1
20°	5176.5	5205.7	5168.7	5181.4	5181.4
22.5°	5078.3	5098.7	5083.1	5091.9	5093.8
25°	4958.5	4966.3	4983.8	4991.6	4987.7
27.5°	4843.7	4834.0	4868.1	4886.5	4876.7
30°	4716.2	4700.6	4740.5	4770.7	4759.0
32.5°	4570.2	4560.5	4606.2	4642.2	4635.4
35°	4432.0	4405.7	4456.3	4510.8	4498.2
37.5°	4268.5	4252.9	4310.3	4367.8	4361.0
40°	4108.9	4082.6	4147.8	4215.9	4209.1
42.5°	3937.6	3906.4	3977.5	4059.3	4051.5
45°	3738.1	3731.3	3794.5	3884.1	3877.3
47.5°	3561.0	3526.9	3615.4	3702.1	3709.9
50°	3346.8	3334.3	3415.0	3520.1	3527.9
52.5°	3137.7	3128.9	3213.5	3319.6	3333.2
55°	2929.3	2907.0	3005.3	3105.5	3113.3
57.5°	2706.6	2683.2	2783.4	2892.4	2908.9
60°	2468.0	2445.7	2555.6	2656.9	2112.9
62.5°	2229.6	2214.0	2328.9	1649.6	1329.5
65°	1973.7	1973.7	2088.4	1198.0	1201.9
67.5°	1734.3	1718.7	1557.2	1076.3	1076.3
70°	1477.3	1483.2	897.2	943.1	944.0
72.5°	1219.4	1240.9	774.7	811.6	813.6
75°	975.1	993.7	645.2	679.3	682.2
77.5°	716.3	550.8	518.7	545.1	546.0
80°	503.1	347.4	397.1	422.3	419.5
82.5°	293.9	243.3	291.0	309.5	308.5
85°	127.5	161.6	201.4	218.0	206.3
87.5°	40.8	100.3	125.5	135.3	134.3
90°	0.0	54.5	89.5	106.0	104.2
92.5°	0.0	42.8	77.9	97.4	98.3
95°	2.9	28.2	64.3	86.7	86.7
97.5°	2.0	20.4	45.7	68.1	70.1
100°	2.0	16.5	30.2	48.6	49.7
102.5°	4.8	13.6	18.4	31.1	32.1
105°	4.8	10.7	15.6	15.6	14.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.9	7.8	10.7	7.8	0.9
115°	4.8	6.8	9.7	6.8	0.9
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	4.8	9.7	13.6	8.8	2.9
110°	5.9	8.8	11.6	7.8	0.9



(END OF REPORT)