

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: P829859

Luminaire Tested: **OHBL-15SE-NL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829859
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-15SE-NL-UNV-L930-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

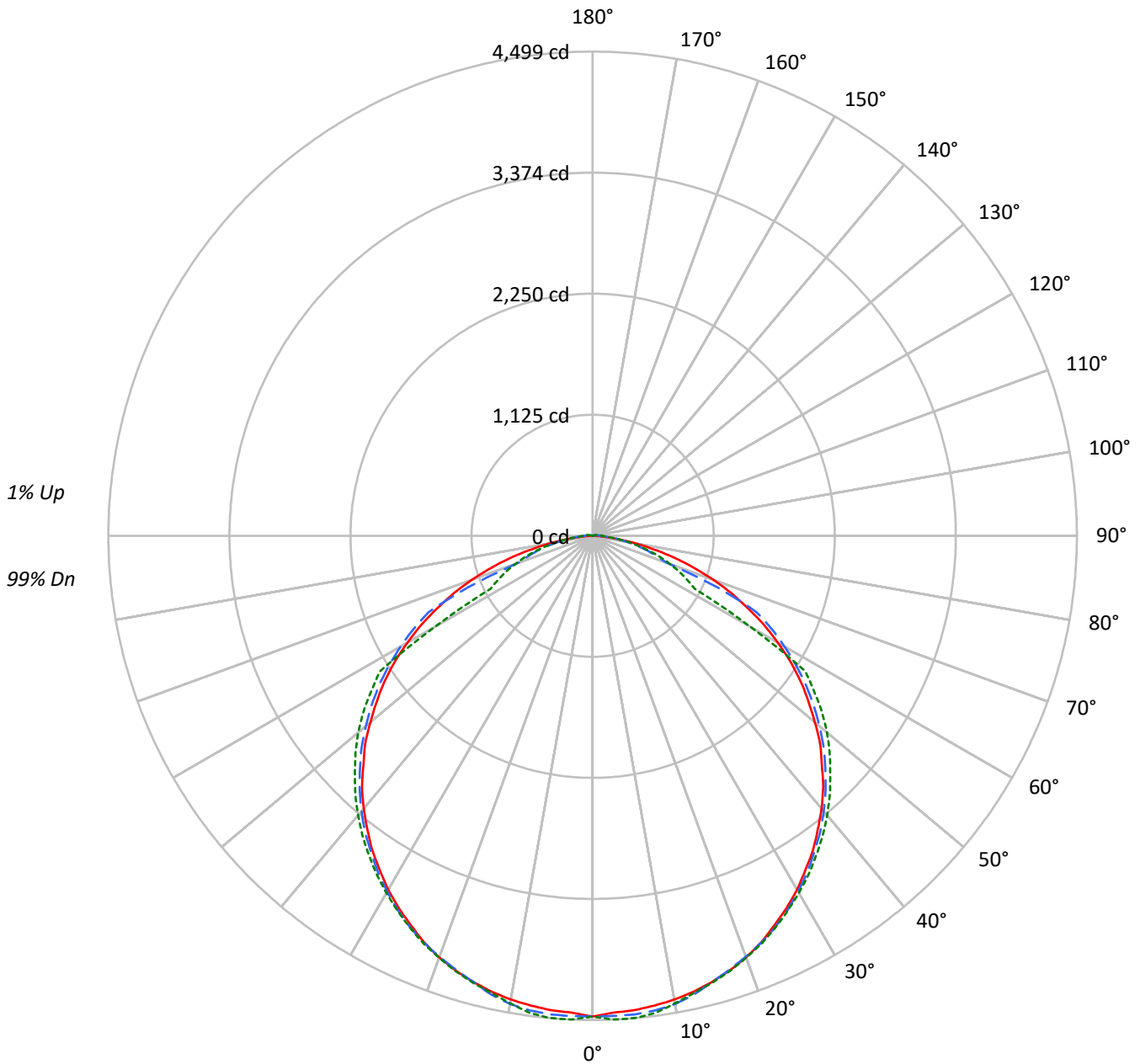
Lumens per Lamp: N/A
Luminaire Lumens: 12540.0 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 0.88' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 87
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°	14531	14531	14531
5°	14451	14581	14691
10°	14454	14592	14574
15°	14452	14449	14481
20°	14432	14410	14446
25°	14334	14407	14418
30°	14267	14341	14397
35°	14175	14252	14386
40°	14053	14186	14395
45°	13850	14059	14365
50°	13641	13919	14379
55°	13380	13727	14221
60°	12932	13391	11071
65°	12235	12947	7451
70°	11317	6872	7231
75°	9871	6531	6906
80°	7591	5991	6329
85°	3830	6055	6200



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.3	3.4
10°-20°	1215.0	9.7
20°-30°	1848.7	14.7
30°-40°	2247.7	17.9
40°-50°	2363.4	18.8
50°-60°	2158.0	17.2
60°-70°	1383.4	11.0
70°-80°	653.5	5.2
80°-90°	181.2	1.4
90°-100°	48.0	0.4
100°-110°	13.2	0.1
110°-120°	3.6	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°	3488.0	27.8
0°-40°	5735.7	45.7
0°-60°	10257.1	81.8
0°-90°	12475.2	99.5
90°-120°	64.8	0.5
90°-150°	64.8	0.5
90°-180°	65.0	0.5
0°-180°	12540.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4466	4466	4466	4466	4466	
5°	4425	4442	4465	4489	4498	421
15°	4291	4323	4290	4296	4300	1211
25°	3993	3999	4013	4020	4016	1843
35°	3569	3548	3589	3632	3622	2230
45°	3010	3005	3056	3128	3122	2327
55°	2359	2341	2420	2501	2507	2104
65°	1589	1589	1682	965	968	1576
75°	785	800	520	547	549	828
85°	103	130	162	176	166	152
90°	0	44	72	85	84	5
95°	2	23	52	70	70	1
105°	4	9	12	12	12	4
115°	4	6	8	6	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4466.4	4466.4	4466.4	4466.4	4466.4
2.5°	4435.1	4450.0	4466.4	4487.6	4499.3
5°	4424.9	4442.1	4464.8	4489.2	4498.5
7.5°	4402.9	4427.2	4449.2	4466.4	4471.9
10°	4375.5	4404.5	4417.1	4415.5	4411.6
12.5°	4338.6	4369.3	4365.4	4347.3	4350.4
15°	4290.9	4323.0	4290.1	4296.3	4299.5
17.5°	4234.4	4265.8	4227.4	4239.9	4240.7
20°	4168.6	4192.1	4162.3	4172.5	4172.5
22.5°	4089.5	4105.9	4093.4	4100.4	4102.0
25°	3993.1	3999.3	4013.4	4019.7	4016.5
27.5°	3900.6	3892.7	3920.2	3935.1	3927.2
30°	3797.9	3785.4	3817.5	3841.8	3832.4
32.5°	3680.3	3672.5	3709.4	3738.3	3732.8
35°	3569.1	3547.9	3588.6	3632.5	3622.3
37.5°	3437.4	3424.8	3471.1	3517.4	3511.9
40°	3308.9	3287.7	3340.2	3395.1	3389.6
42.5°	3170.9	3145.8	3203.1	3268.9	3262.6
45°	3010.2	3004.7	3055.7	3127.8	3122.3
47.5°	2867.7	2840.2	2911.5	2981.3	2987.6
50°	2695.2	2685.0	2750.1	2834.7	2841.0
52.5°	2526.7	2519.7	2587.8	2673.3	2684.2
55°	2359.0	2341.0	2420.1	2500.8	2507.2
57.5°	2179.6	2160.7	2241.5	2329.3	2342.5
60°	1987.5	1969.5	2058.0	2139.6	1701.5
62.5°	1795.5	1783.0	1875.5	1328.4	1070.6
65°	1589.4	1589.4	1681.8	964.7	967.9
67.5°	1396.6	1384.1	1254.0	866.7	866.7
70°	1189.7	1194.4	722.5	759.5	760.2
72.5°	982.0	999.3	623.9	653.6	655.2
75°	785.3	800.2	519.6	547.0	549.4
77.5°	576.8	443.6	417.7	438.9	439.7
80°	405.2	279.8	319.8	340.1	337.8
82.5°	236.6	195.9	234.3	249.3	248.4
85°	102.6	130.1	162.2	175.6	166.1
87.5°	32.9	80.7	101.1	108.9	108.1
90°	0.0	43.9	72.1	85.4	83.9
92.5°	0.0	34.4	62.7	78.4	79.2
95°	2.3	22.7	51.8	69.8	69.8
97.5°	1.6	16.4	36.8	54.8	56.4
100°	1.6	13.3	24.3	39.2	40.0
102.5°	3.9	11.0	14.9	25.1	25.9
105°	3.9	8.6	12.5	12.5	11.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.7	6.3	8.6	6.3	0.7
115°	3.9	5.5	7.8	5.5	0.7
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°	3.9	7.8	11.0	7.1	2.3
110°	4.7	7.1	9.4	6.3	0.7



(END OF REPORT)