

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: P829787

Luminaire Tested: **OHBL-12SE-NL-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829787
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-12SE-NL-UNV-L930-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

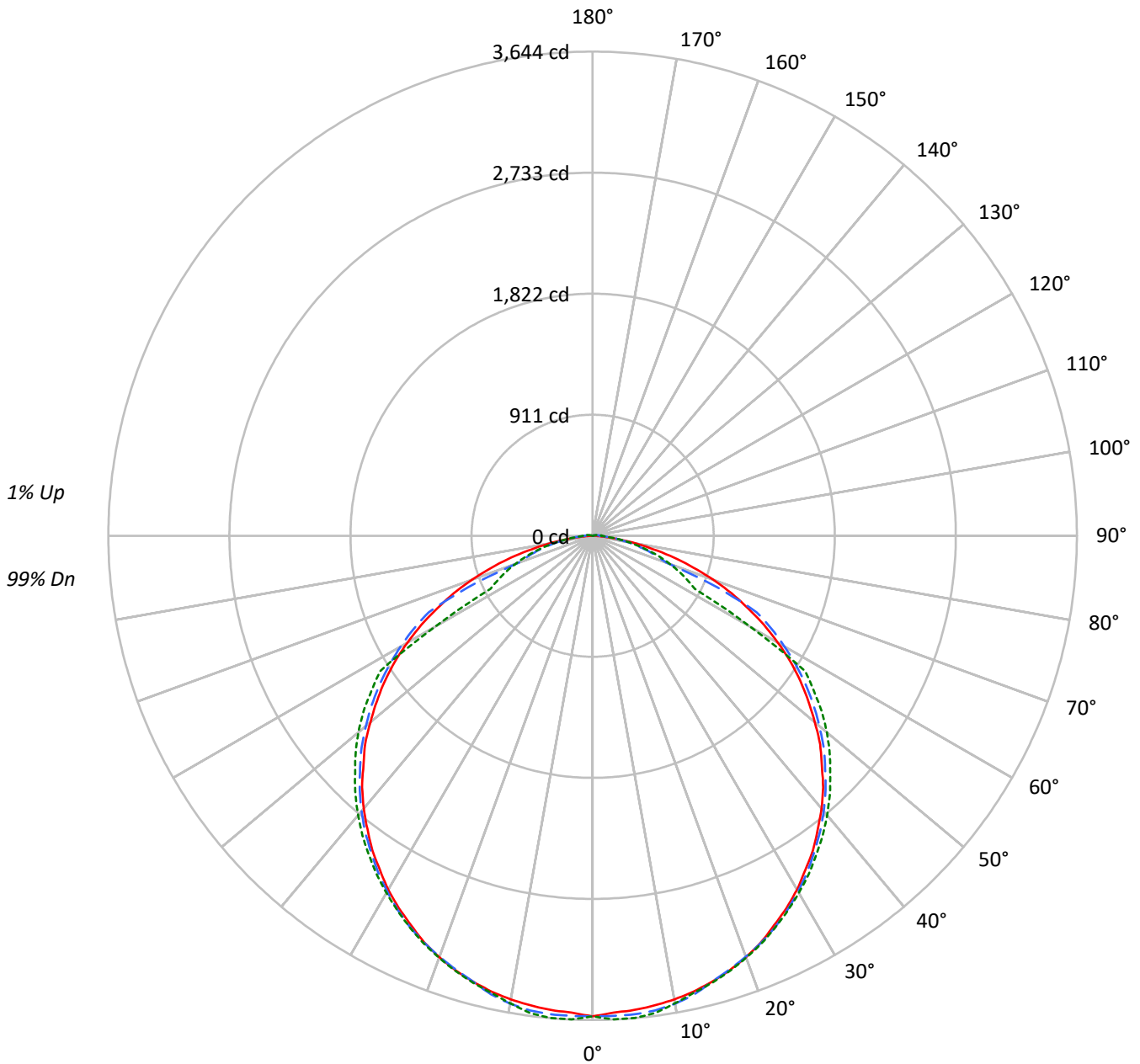
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10155.0 lumens
Efficiency: N/A
Efficacy: 145.1 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): 70
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°	11767	11767	11767
5°	11702	11808	11897
10°	11705	11817	11802
15°	11703	11701	11727
20°	11687	11670	11698
25°	11607	11667	11676
30°	11554	11613	11659
35°	11479	11542	11650
40°	11380	11487	11657
45°	11216	11385	11633
50°	11047	11272	11644
55°	10835	11116	11516
60°	10472	10844	8965
65°	9908	10484	6034
70°	9164	5566	5856
75°	7993	5289	5592
80°	6147	4852	5124
85°	3102	4905	5021



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.6	3.4
10°-20°	983.9	9.7
20°-30°	1497.1	14.7
30°-40°	1820.2	17.9
40°-50°	1913.9	18.8
50°-60°	1747.6	17.2
60°-70°	1120.3	11.0
70°-80°	529.2	5.2
80°-90°	146.7	1.4
90°-100°	38.9	0.4
100°-110°	10.6	0.1
110°-120°	2.9	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°	2824.6	27.8
0°-40°	4644.8	45.7
0°-60°	8306.3	81.8
0°-90°	10102.6	99.5
90°-120°	52.4	0.5
90°-150°	52.4	0.5
90°-180°	52.0	0.5
0°-180°	10155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3617	3617	3617	3617	3617	
5°	3583	3597	3616	3635	3643	341
15°	3475	3501	3474	3479	3482	981
25°	3234	3239	3250	3255	3253	1492
35°	2890	2873	2906	2942	2933	1806
45°	2438	2433	2474	2533	2528	1884
55°	1910	1896	1960	2025	2030	1704
65°	1287	1287	1362	781	784	1276
75°	636	648	421	443	445	670
85°	83	105	131	142	134	123
90°	0	36	58	69	68	4
95°	2	18	42	56	56	1
105°	3	7	10	10	10	3
115°	3	4	6	4	1	2
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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CATALOG NUMBER: OHBL-12SE-NL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3616.9	3616.9	3616.9	3616.9	3616.9
2.5°	3591.6	3603.6	3616.9	3634.1	3643.6
5°	3583.3	3597.3	3615.7	3635.4	3643.0
7.5°	3565.5	3585.2	3603.0	3616.9	3621.4
10°	3543.3	3566.8	3577.0	3575.7	3572.5
12.5°	3513.5	3538.3	3535.1	3520.5	3523.0
15°	3474.8	3500.8	3474.2	3479.2	3481.8
17.5°	3429.1	3454.5	3423.4	3433.5	3434.2
20°	3375.8	3394.8	3370.7	3379.0	3379.0
22.5°	3311.7	3325.0	3314.8	3320.6	3321.8
25°	3233.6	3238.7	3250.1	3255.2	3252.6
27.5°	3158.8	3152.4	3174.6	3186.6	3180.3
30°	3075.6	3065.4	3091.4	3111.1	3103.5
32.5°	2980.4	2974.0	3003.9	3027.3	3022.9
35°	2890.3	2873.1	2906.1	2941.7	2933.4
37.5°	2783.6	2773.5	2810.9	2848.4	2844.0
40°	2679.5	2662.4	2704.9	2749.3	2744.9
42.5°	2567.9	2547.5	2593.9	2647.2	2642.1
45°	2437.7	2433.3	2474.5	2532.9	2528.5
47.5°	2322.3	2300.0	2357.7	2414.3	2419.4
50°	2182.6	2174.4	2227.1	2295.6	2300.6
52.5°	2046.2	2040.5	2095.6	2164.8	2173.7
55°	1910.3	1895.7	1959.8	2025.2	2030.3
57.5°	1765.0	1749.8	1815.2	1886.3	1897.0
60°	1609.5	1594.9	1666.6	1732.6	1377.9
62.5°	1454.0	1443.9	1518.8	1075.8	867.0
65°	1287.1	1287.1	1361.9	781.3	783.8
67.5°	1131.0	1120.9	1015.5	701.9	701.9
70°	963.4	967.2	585.1	615.0	615.6
72.5°	795.2	809.2	505.2	529.3	530.6
75°	635.9	648.0	420.8	443.0	444.9
77.5°	467.1	359.2	338.3	355.5	356.1
80°	328.1	226.6	259.0	275.4	273.5
82.5°	191.6	158.6	189.8	201.8	201.2
85°	83.1	105.4	131.4	142.2	134.5
87.5°	26.6	65.4	81.8	88.2	87.6
90°	0.0	35.5	58.4	69.1	67.9
92.5°	0.0	27.9	50.8	63.5	64.1
95°	1.9	18.4	41.9	56.5	56.5
97.5°	1.3	13.3	29.8	44.4	45.7
100°	1.3	10.8	19.7	31.7	32.4
102.5°	3.2	8.9	12.0	20.3	21.0
105°	3.2	7.0	10.1	10.1	9.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	5.1	7.0	5.1	0.6
115°	3.2	4.4	6.3	4.4	0.6
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°	3.2	6.3	8.9	5.7	1.9
110°	3.8	5.7	7.6	5.1	0.6



(END OF REPORT)