

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: P829751

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P829751
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-12SE-MCL-UNV-L930-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

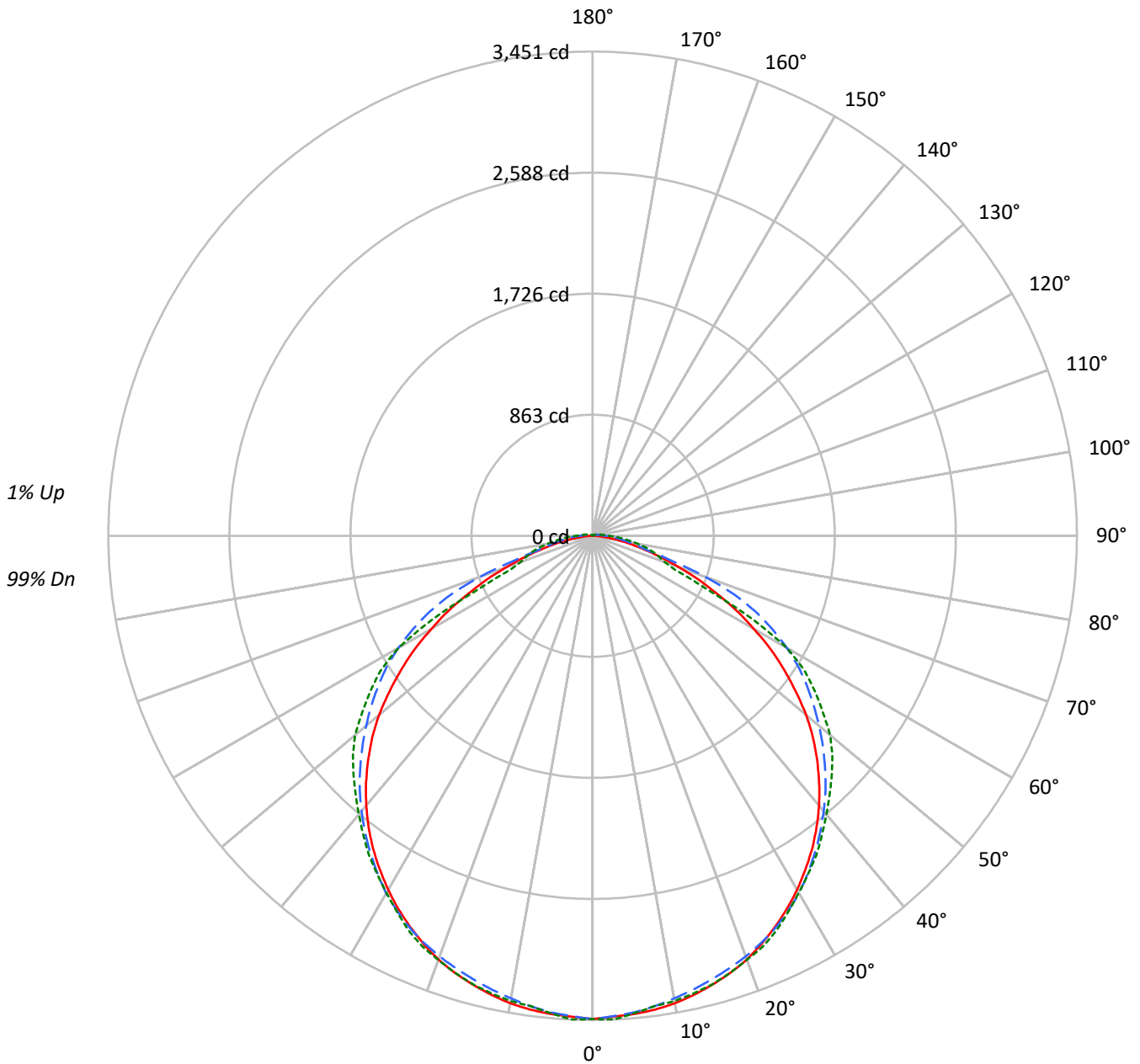
Lumens per Lamp: N/A
Luminaire Lumens: 9735.1 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70
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	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°	11205	11205	11205
5°	11132	10977	10973
10°	11091	10746	10760
15°	11021	10559	10598
20°	10950	10418	10414
25°	10818	10275	10230
30°	10675	10085	9943
35°	10503	9823	9738
40°	10279	9550	9490
45°	9970	9243	9311
50°	9550	8898	9108
55°	8884	8548	8625
60°	8011	8072	7816
65°	6872	7284	4831
70°	5535	5551	3389
75°	4150	3186	3285
80°	2888	2515	2924
85°	1643	2098	2422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.8	3.3
10°-20°	931.3	9.6
20°-30°	1422.3	14.6
30°-40°	1725.8	17.7
40°-50°	1808.8	18.6
50°-60°	1639.0	16.8
60°-70°	1098.9	11.3
70°-80°	493.5	5.1
80°-90°	179.1	1.8
90°-100°	53.9	0.6
100°-110°	25.4	0.3
110°-120°	12.7	0.1
120°-130°	7.1	0.1
130°-140°	4.9	0.0
140°-150°	3.3	0.0
150°-160°	2.4	0.0
160°-170°	1.6	0.0
170°-180°	0.5	0.0
0°-30°	2678.4	27.5
0°-40°	4404.1	45.2
0°-60°	7851.9	80.7
0°-90°	9623.4	98.9
90°-120°	92.1	0.9
90°-150°	107.3	1.1
90°-180°	112.0	1.2
0°-180°	9735.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3444	3444	3444	3444	3444	
5°	3422	3434	3410	3420	3416	325
15°	3311	3298	3274	3303	3307	935
25°	3076	3062	3084	3112	3103	1418
35°	2726	2733	2760	2790	2779	1704
45°	2262	2299	2342	2402	2409	1743
55°	1665	1745	1864	1939	1934	1486
65°	977	1130	1283	1083	884	974
75°	384	558	410	420	447	420
85°	66	127	163	197	206	81
90°	0	42	84	106	111	4
95°	0	26	58	70	72	1
105°	2	12	28	34	36	2
115°	4	6	14	18	19	4
125°	4	4	9	10	11	3
135°	4	5	6	8	8	4
145°	4	5	5	6	6	3
155°	5	6	6	6	5	2
165°	6	6	6	6	6	2
175°	6	6	5	4	4	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3444.3	3444.3	3444.3	3444.3	3444.3
2.5°	3430.3	3444.7	3426.8	3446.2	3451.2
5°	3421.8	3433.8	3409.9	3420.3	3415.9
7.5°	3406.4	3410.4	3382.0	3390.5	3381.5
10°	3383.5	3381.5	3348.1	3364.6	3366.6
12.5°	3349.6	3343.7	3313.8	3338.7	3339.2
15°	3310.8	3297.8	3274.4	3303.3	3307.3
17.5°	3266.0	3249.0	3233.6	3270.9	3265.0
20°	3213.7	3193.8	3190.8	3231.6	3216.7
22.5°	3148.9	3133.5	3140.5	3179.3	3169.8
25°	3075.7	3062.3	3083.7	3112.1	3103.1
27.5°	2998.5	2990.6	3015.0	3036.9	3019.4
30°	2913.9	2909.4	2941.8	2959.7	2937.8
32.5°	2821.7	2823.2	2854.1	2878.5	2858.1
35°	2726.1	2732.6	2760.5	2789.9	2778.9
37.5°	2621.0	2635.5	2663.4	2696.7	2685.3
40°	2510.0	2530.9	2561.8	2602.1	2591.7
42.5°	2390.0	2416.4	2456.2	2501.0	2500.0
45°	2262.5	2299.3	2342.2	2401.9	2409.4
47.5°	2130.0	2171.3	2225.6	2305.3	2316.8
50°	1986.1	2037.9	2105.6	2201.2	2208.2
52.5°	1825.7	1896.4	1986.1	2077.7	2069.2
55°	1664.9	1745.0	1864.1	1938.8	1934.3
57.5°	1504.5	1594.6	1739.1	1792.3	1791.8
60°	1325.2	1439.3	1597.1	1637.5	1597.6
62.5°	1159.4	1281.9	1445.7	1416.3	1279.9
65°	977.1	1130.0	1282.9	1082.7	884.0
67.5°	815.2	974.6	1089.7	741.5	635.0
70°	652.4	828.2	849.6	550.3	542.8
72.5°	508.0	695.2	586.2	471.1	495.0
75°	384.5	557.8	410.4	419.8	447.2
77.5°	280.4	428.3	319.2	368.0	390.4
80°	192.7	303.3	260.5	309.3	324.7
82.5°	121.0	200.2	208.7	249.0	264.9
85°	66.2	127.0	162.8	196.7	206.2
87.5°	27.4	76.7	124.5	151.9	159.9
90°	0.5	42.3	84.2	105.6	110.6
92.5°	0.5	32.4	68.7	85.2	88.6
95°	0.5	26.4	57.8	70.2	72.2
97.5°	1.0	20.9	48.3	58.3	60.3
100°	1.5	17.4	40.3	48.8	50.3
102.5°	2.0	13.9	33.9	40.8	42.3
105°	2.0	11.5	28.4	34.4	35.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.5	7.0	16.9	21.4	22.4
115°	4.0	6.0	14.4	18.4	19.4
117.5°	4.0	5.0	12.5	15.4	16.4
120°	4.0	4.5	11.0	13.4	13.9
122.5°	4.0	4.0	9.5	12.0	12.5
125°	3.5	4.0	9.0	10.5	11.0
127.5°	4.0	4.0	8.0	9.5	10.0
130°	4.0	4.5	7.0	9.0	9.0
132.5°	4.5	5.0	6.5	8.5	8.5
135°	4.5	5.0	5.5	8.0	8.5
137.5°	5.0	5.0	5.0	7.5	8.0
140°	5.0	5.0	4.5	6.5	7.0
142.5°	4.5	5.0	4.5	6.0	6.5
145°	4.5	5.0	5.0	5.5	6.0
147.5°	5.0	5.0	5.0	5.0	5.5
150°	5.0	5.0	5.0	5.0	5.0
152.5°	5.0	5.0	5.0	5.0	5.0
155°	5.0	5.5	5.5	5.5	5.0
157.5°	5.0	5.5	5.5	5.5	5.5
160°	5.0	5.5	5.5	5.5	5.5
162.5°	5.5	5.5	5.5	5.5	5.5
165°	5.5	5.5	5.5	5.5	5.5
167.5°	5.5	6.0	5.5	5.5	5.5
170°	5.5	5.5	5.5	5.0	5.0
172.5°	5.5	5.5	5.5	5.0	5.0
175°	5.5	5.5	5.0	4.5	4.5
177.5°	6.0	5.5	5.0	4.5	4.0
180°	5.0	5.0	5.0	5.0	5.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.5	9.5	24.4	29.4	30.4
110°	3.0	8.0	20.4	24.9	25.9



(END OF REPORT)