

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: P829752

Luminaire Tested: **OHBL-12SE-MCL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829752
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-L935-CD
Description: 12000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

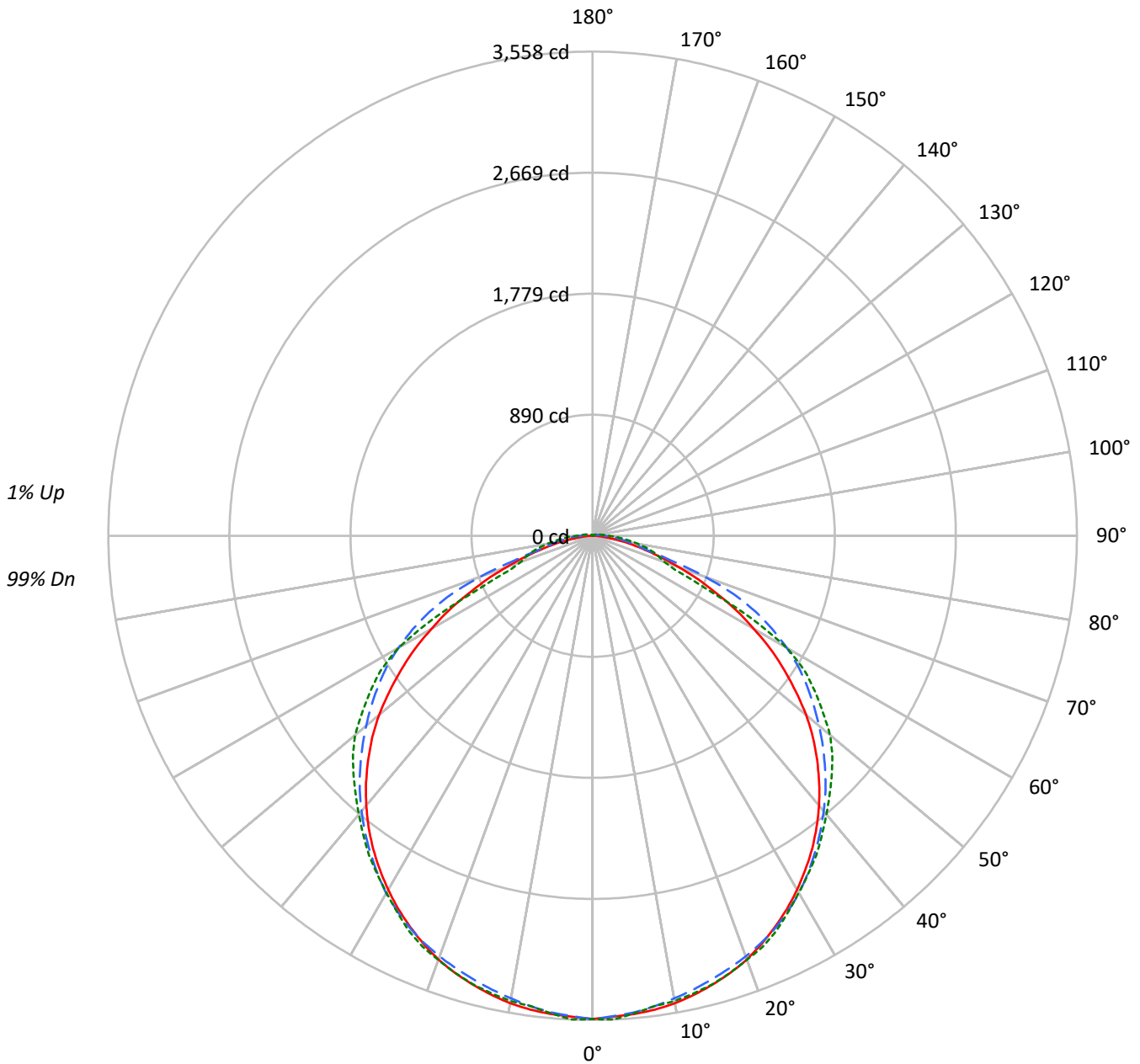
Lumens per Lamp: N/A
Luminaire Lumens: 10037.0 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 70
Input Voltage (V): NR
Input Current (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	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°	11553	11553	11553
5°	11477	11317	11313
10°	11435	11080	11094
15°	11363	10887	10927
20°	11290	10741	10737
25°	11154	10593	10548
30°	11006	10398	10251
35°	10829	10127	10040
40°	10598	9846	9784
45°	10279	9529	9600
50°	9847	9174	9391
55°	9159	8813	8892
60°	8259	8323	8059
65°	7085	7510	4981
70°	5707	5724	3495
75°	4279	3285	3387
80°	2978	2592	3015
85°	1695	2164	2497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.8	3.3
10°-20°	960.1	9.6
20°-30°	1466.5	14.6
30°-40°	1779.3	17.7
40°-50°	1864.9	18.6
50°-60°	1689.9	16.8
60°-70°	1133.0	11.3
70°-80°	508.8	5.1
80°-90°	184.6	1.8
90°-100°	55.6	0.6
100°-110°	26.2	0.3
110°-120°	13.1	0.1
120°-130°	7.2	0.1
130°-140°	5.0	0.0
140°-150°	3.3	0.0
150°-160°	2.5	0.0
160°-170°	1.6	0.0
170°-180°	0.5	0.0
0°-30°	2761.4	27.5
0°-40°	4540.7	45.2
0°-60°	8095.5	80.7
0°-90°	9921.9	98.9
90°-120°	95.0	0.9
90°-150°	110.5	1.1
90°-180°	115.0	1.1
0°-180°	10037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3551	3551	3551	3551	3551	
5°	3528	3540	3516	3526	3522	336
15°	3414	3400	3376	3406	3410	964
25°	3171	3157	3179	3209	3199	1462
35°	2811	2817	2846	2876	2865	1757
45°	2333	2371	2415	2476	2484	1797
55°	1716	1799	1922	1999	1994	1532
65°	1007	1165	1323	1116	911	1004
75°	396	575	423	433	461	433
85°	68	131	168	203	213	83
90°	0	44	87	109	114	4
95°	0	27	60	72	74	1
105°	2	12	29	35	37	2
115°	4	6	15	19	20	4
125°	4	4	9	11	11	4
135°	5	5	6	8	9	4
145°	5	5	5	6	6	3
155°	5	6	6	6	5	2
165°	6	6	6	6	6	2
175°	6	6	5	5	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3551.1	3551.1	3551.1	3551.1	3551.1
2.5°	3536.7	3551.6	3533.1	3553.2	3558.3
5°	3528.0	3540.3	3515.7	3526.5	3521.8
7.5°	3512.1	3516.2	3486.9	3495.6	3486.4
10°	3488.5	3486.4	3452.0	3468.9	3471.0
12.5°	3453.5	3447.4	3416.6	3442.2	3442.8
15°	3413.5	3400.1	3376.0	3405.8	3409.9
17.5°	3367.3	3349.8	3333.9	3372.4	3366.3
20°	3313.4	3292.8	3289.7	3331.9	3316.4
22.5°	3246.6	3230.7	3237.9	3277.9	3268.2
25°	3171.1	3157.3	3179.4	3208.6	3199.4
27.5°	3091.6	3083.3	3108.5	3131.1	3113.1
30°	3004.3	2999.6	3033.0	3051.5	3028.9
32.5°	2909.3	2910.8	2942.6	2967.8	2946.8
35°	2810.7	2817.4	2846.1	2876.4	2865.1
37.5°	2702.3	2717.2	2746.0	2780.4	2768.6
40°	2587.8	2609.4	2641.2	2682.8	2672.1
42.5°	2464.1	2491.3	2532.4	2578.6	2577.6
45°	2332.7	2370.7	2414.8	2476.4	2484.1
47.5°	2196.1	2238.7	2294.7	2376.8	2388.6
50°	2047.7	2101.1	2170.9	2269.5	2276.7
52.5°	1882.3	1955.3	2047.7	2142.2	2133.4
55°	1716.5	1799.2	1921.9	1998.9	1994.3
57.5°	1551.2	1644.1	1793.0	1847.9	1847.4
60°	1366.3	1483.9	1646.7	1688.3	1647.2
62.5°	1195.3	1321.6	1490.6	1460.3	1319.6
65°	1007.4	1165.0	1322.7	1116.3	911.4
67.5°	840.5	1004.8	1123.5	764.5	654.7
70°	672.6	853.9	876.0	567.4	559.7
72.5°	523.7	716.8	604.3	485.7	510.4
75°	396.4	575.1	423.1	432.8	461.1
77.5°	289.1	441.6	329.1	379.4	402.6
80°	198.7	312.7	268.5	318.9	334.8
82.5°	124.8	206.4	215.1	256.7	273.2
85°	68.3	130.9	167.9	202.8	212.6
87.5°	28.2	79.1	128.4	156.6	164.8
90°	0.5	43.6	86.8	108.9	114.0
92.5°	0.5	33.4	70.9	87.8	91.4
95°	0.5	27.2	59.6	72.4	74.5
97.5°	1.0	21.6	49.8	60.1	62.1
100°	1.5	18.0	41.6	50.3	51.9
102.5°	2.1	14.4	34.9	42.1	43.6
105°	2.1	11.8	29.3	35.4	37.0



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CATALOG NUMBER: OHBL-12SE-MCL-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	7.2	17.5	22.1	23.1
115°	4.1	6.2	14.9	19.0	20.0
117.5°	4.1	5.1	12.8	15.9	16.9
120°	4.1	4.6	11.3	13.9	14.4
122.5°	4.1	4.1	9.8	12.3	12.8
125°	3.6	4.1	9.2	10.8	11.3
127.5°	4.1	4.1	8.2	9.8	10.3
130°	4.1	4.6	7.2	9.2	9.2
132.5°	4.6	5.1	6.7	8.7	8.7
135°	4.6	5.1	5.6	8.2	8.7
137.5°	5.1	5.1	5.1	7.7	8.2
140°	5.1	5.1	4.6	6.7	7.2
142.5°	4.6	5.1	4.6	6.2	6.7
145°	4.6	5.1	5.1	5.6	6.2
147.5°	5.1	5.1	5.1	5.1	5.6
150°	5.1	5.1	5.1	5.1	5.1
152.5°	5.1	5.1	5.1	5.1	5.1
155°	5.1	5.6	5.6	5.6	5.1
157.5°	5.1	5.6	5.6	5.6	5.6
160°	5.1	5.6	5.6	5.6	5.6
162.5°	5.6	5.6	5.6	5.6	5.6
165°	5.6	5.6	5.6	5.6	5.6
167.5°	5.6	6.2	5.6	5.6	5.6
170°	5.6	5.6	5.6	5.1	5.1
172.5°	5.6	5.6	5.6	5.1	5.1
175°	5.6	5.6	5.1	4.6	4.6
177.5°	6.2	5.6	5.1	4.6	4.1
180°	5.1	5.1	5.1	5.1	5.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.6	9.8	25.2	30.3	31.3
110°	3.1	8.2	21.1	25.7	26.7



(END OF REPORT)