

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: P828800

Luminaire Tested: **OHB-12SE-A-UNV-L835-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828800
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: OHB-12SE-A-UNV-L835-CD
Description: 12000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

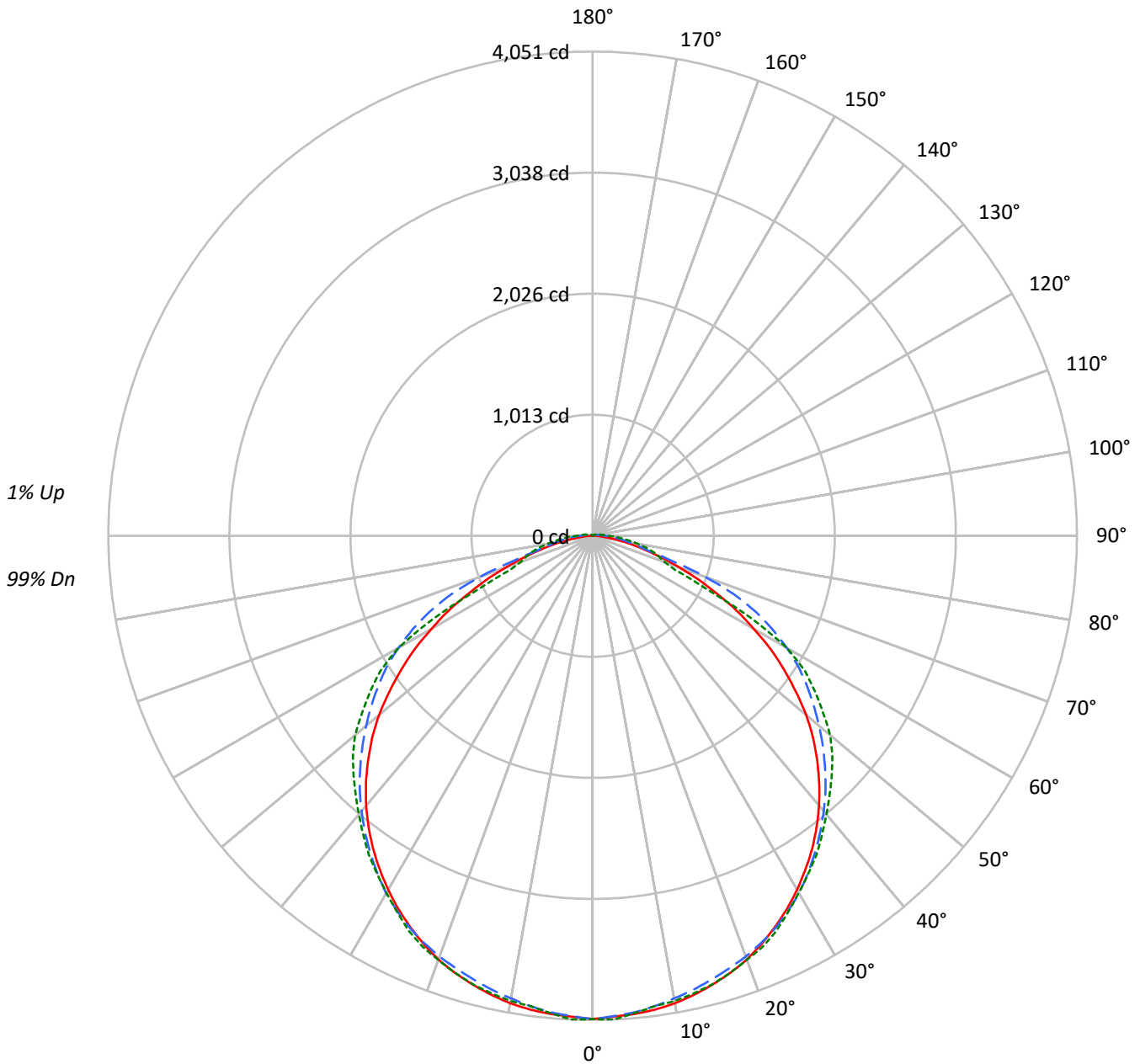
Lumens per Lamp: N/A
Luminaire Lumens: 11428.0 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 76
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°	25726	25726	25726
5°	25465	25137	25192
10°	25278	24548	24704
15°	25024	24060	24333
20°	24768	23677	23911
25°	24369	23290	23488
30°	23940	22797	22828
35°	23443	22139	22357
40°	22823	21456	21788
45°	22002	20692	21378
50°	20929	19841	20912
55°	19304	18972	19802
60°	17225	17820	17946
65°	14574	15972	11092
70°	11520	12068	7781
75°	8394	6844	7543
80°	5567	5311	6714
85°	2861	4313	5560



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.2	3.3
10°-20°	1093.2	9.6
20°-30°	1669.7	14.6
30°-40°	2025.9	17.7
40°-50°	2123.3	18.6
50°-60°	1924.1	16.8
60°-70°	1290.0	11.3
70°-80°	579.3	5.1
80°-90°	210.2	1.8
90°-100°	63.3	0.6
100°-110°	29.9	0.3
110°-120°	15.0	0.1
120°-130°	8.3	0.1
130°-140°	5.7	0.0
140°-150°	3.8	0.0
150°-160°	2.8	0.0
160°-170°	1.8	0.0
170°-180°	0.6	0.0
0°-30°	3144.1	27.5
0°-40°	5170.0	45.2
0°-60°	9217.4	80.7
0°-90°	11296.9	98.9
90°-120°	108.1	0.9
90°-150°	125.8	1.1
90°-180°	131.0	1.1
0°-180°	11428.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4043	4043	4043	4043	4043	
5°	4017	4031	4003	4015	4010	382
15°	3887	3871	3844	3878	3882	1097
25°	3611	3595	3620	3653	3643	1664
35°	3200	3208	3241	3275	3262	2000
45°	2656	2699	2750	2820	2828	2046
55°	1954	2048	2188	2276	2271	1745
65°	1147	1326	1506	1271	1038	1143
75°	451	655	482	493	525	493
85°	78	149	191	231	242	95
90°	1	50	99	124	130	5
95°	1	31	68	82	85	1
105°	2	13	33	40	42	3
115°	5	7	17	22	23	4
125°	4	5	10	12	13	4
135°	5	6	6	9	10	4
145°	5	6	6	6	7	3
155°	6	6	6	6	6	3
165°	6	6	6	6	6	2
175°	6	6	6	5	5	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4043.2	4043.2	4043.2	4043.2	4043.2
2.5°	4026.9	4043.8	4022.8	4045.6	4051.4
5°	4016.9	4031.0	4002.9	4015.2	4009.9
7.5°	3998.8	4003.5	3970.2	3980.1	3969.6
10°	3971.9	3969.6	3930.4	3949.7	3952.0
12.5°	3932.2	3925.1	3890.1	3919.3	3919.9
15°	3886.6	3871.4	3843.9	3877.8	3882.5
17.5°	3833.9	3814.1	3795.9	3839.8	3832.8
20°	3772.6	3749.2	3745.7	3793.6	3776.1
22.5°	3696.6	3678.4	3686.6	3732.2	3721.1
25°	3610.6	3594.8	3620.0	3653.3	3642.8
27.5°	3520.0	3510.6	3539.3	3565.0	3544.6
30°	3420.6	3415.4	3453.4	3474.4	3448.7
32.5°	3312.5	3314.2	3350.5	3379.1	3355.1
35°	3200.2	3207.8	3240.6	3275.0	3262.2
37.5°	3076.9	3093.8	3126.6	3165.7	3152.3
40°	2946.5	2971.0	3007.3	3054.6	3042.4
42.5°	2805.6	2836.6	2883.3	2936.0	2934.8
45°	2655.9	2699.2	2749.5	2819.6	2828.4
47.5°	2500.4	2548.9	2612.7	2706.2	2719.7
50°	2331.5	2392.3	2471.8	2584.0	2592.2
52.5°	2143.2	2226.2	2331.5	2439.0	2429.1
55°	1954.4	2048.5	2188.2	2275.9	2270.7
57.5°	1766.1	1872.0	2041.5	2104.0	2103.5
60°	1555.7	1689.6	1874.9	1922.2	1875.5
62.5°	1361.0	1504.8	1697.2	1662.7	1502.5
65°	1147.0	1326.5	1506.0	1271.0	1037.7
67.5°	957.0	1144.1	1279.1	870.5	745.4
70°	765.9	972.2	997.4	646.0	637.2
72.5°	596.3	816.1	688.1	553.1	581.1
75°	451.3	654.8	481.7	492.8	525.0
77.5°	329.1	502.8	374.7	432.0	458.3
80°	226.2	356.0	305.8	363.0	381.2
82.5°	142.1	235.0	245.0	292.3	311.0
85°	77.8	149.1	191.2	230.9	242.0
87.5°	32.2	90.0	146.2	178.3	187.7
90°	0.6	49.7	98.8	123.9	129.8
92.5°	0.6	38.0	80.7	100.0	104.1
95°	0.6	31.0	67.8	82.4	84.8
97.5°	1.2	24.6	56.7	68.4	70.7
100°	1.8	20.5	47.4	57.3	59.0
102.5°	2.3	16.4	39.8	47.9	49.7
105°	2.3	13.4	33.3	40.3	42.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.1	8.2	19.9	25.1	26.3
115°	4.7	7.0	17.0	21.6	22.8
117.5°	4.7	5.8	14.6	18.1	19.3
120°	4.7	5.3	12.9	15.8	16.4
122.5°	4.7	4.7	11.1	14.0	14.6
125°	4.1	4.7	10.5	12.3	12.9
127.5°	4.7	4.7	9.4	11.1	11.7
130°	4.7	5.3	8.2	10.5	10.5
132.5°	5.3	5.8	7.6	9.9	9.9
135°	5.3	5.8	6.4	9.4	9.9
137.5°	5.8	5.8	5.8	8.8	9.4
140°	5.8	5.8	5.3	7.6	8.2
142.5°	5.3	5.8	5.3	7.0	7.6
145°	5.3	5.8	5.8	6.4	7.0
147.5°	5.8	5.8	5.8	5.8	6.4
150°	5.8	5.8	5.8	5.8	5.8
152.5°	5.8	5.8	5.8	5.8	5.8
155°	5.8	6.4	6.4	6.4	5.8
157.5°	5.8	6.4	6.4	6.4	6.4
160°	5.8	6.4	6.4	6.4	6.4
162.5°	6.4	6.4	6.4	6.4	6.4
165°	6.4	6.4	6.4	6.4	6.4
167.5°	6.4	7.0	6.4	6.4	6.4
170°	6.4	6.4	6.4	5.8	5.8
172.5°	6.4	6.4	6.4	5.8	5.8
175°	6.4	6.4	5.8	5.3	5.3
177.5°	7.0	6.4	5.8	5.3	4.7
180°	5.8	5.8	5.8	5.8	5.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	2.9	11.1	28.6	34.5	35.7
110°	3.5	9.4	24.0	29.2	30.4



(END OF REPORT)