

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: P828824

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-12SE-MFL-UNV-L835-CD
Description: 12000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

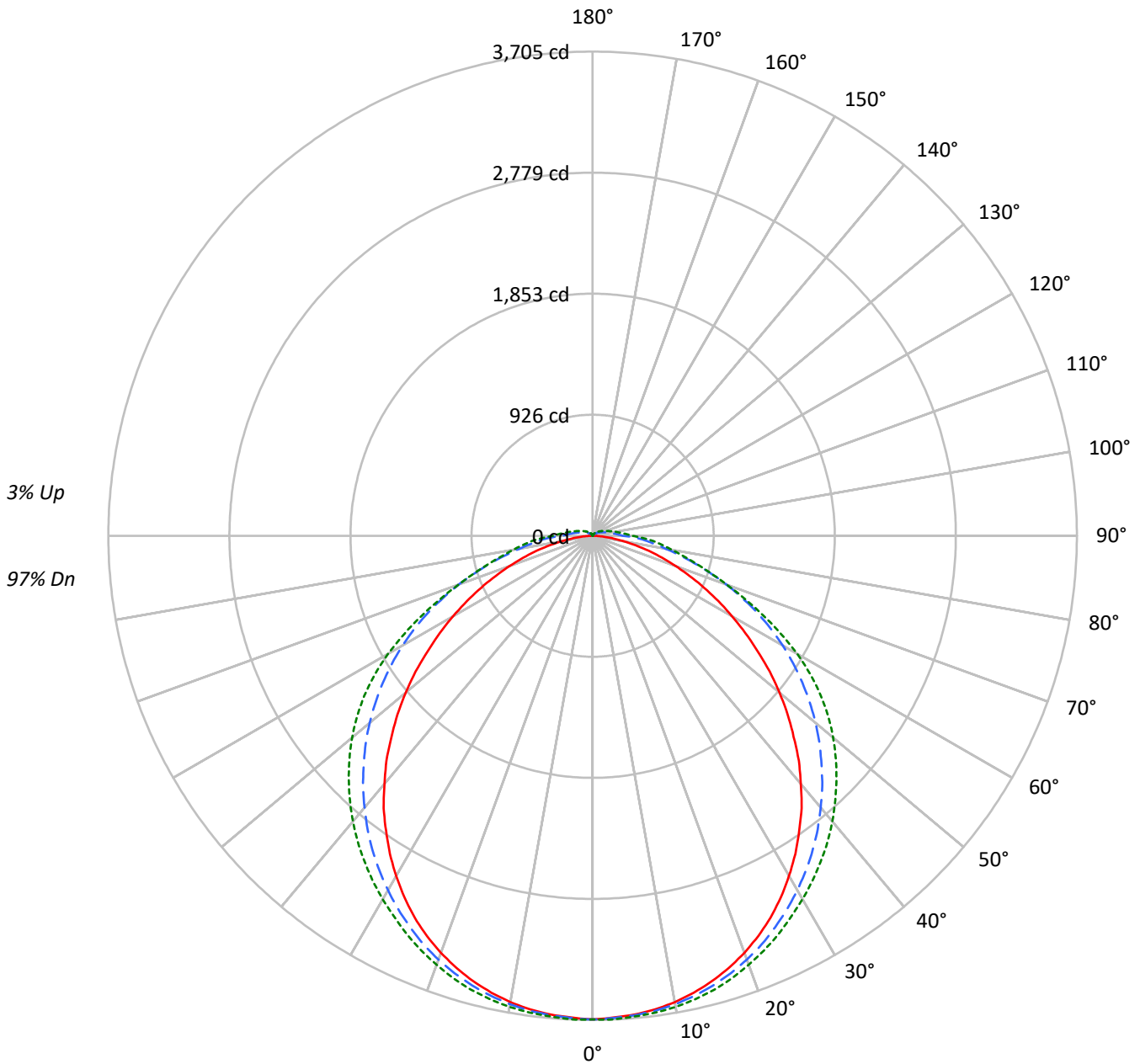
Lumens per Lamp: N/A
Luminaire Lumens: 11077.0 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')
CIE Type: Direct

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					20					
RC	80					70					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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97					
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80					
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66					
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56					
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47					
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41					
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36					
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32					
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28					
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25					
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23					

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23550	23550	23550
5°	23314	23129	23201
10°	23066	22731	22887
15°	22722	22299	22538
20°	22295	21815	22117
25°	21752	21259	21692
30°	21035	20672	21261
35°	20185	20056	20852
40°	19182	19369	20434
45°	18017	18631	19945
50°	16750	17872	19379
55°	15219	16980	18587
60°	13650	15953	17291
65°	11947	14698	15375
70°	10109	13163	13318
75°	8238	11403	11713
80°	5953	9848	10834
85°	3397	9072	10697



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.7	3.2
10°-20°	1006.1	9.1
20°-30°	1521.6	13.7
30°-40°	1826.7	16.5
40°-50°	1886.7	17.0
50°-60°	1697.4	15.3
60°-70°	1278.6	11.5
70°-80°	772.1	7.0
80°-90°	377.6	3.4
90°-100°	158.9	1.4
100°-110°	90.7	0.8
110°-120°	53.3	0.5
120°-130°	30.1	0.3
130°-140°	15.9	0.1
140°-150°	7.7	0.1
150°-160°	2.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2878.4	26.0
0°-40°	4705.1	42.5
0°-60°	8289.2	74.8
0°-90°	10717.5	96.8
90°-120°	302.9	2.7
90°-150°	356.6	3.2
90°-180°	360.0	3.2
0°-180°	11077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3701	3701	3701	3701	3701	
5°	3678	3688	3683	3698	3693	349
15°	3529	3546	3563	3592	3596	995
25°	3223	3258	3304	3356	3364	1482
35°	2756	2820	2936	3024	3043	1723
45°	2175	2284	2476	2611	2639	1679
55°	1541	1700	1958	2106	2131	1381
65°	940	1132	1386	1455	1438	934
75°	443	636	803	823	815	473
85°	92	244	402	457	466	107
90°	0	95	230	290	302	6
95°	4	64	172	219	227	4
105°	6	37	100	130	136	6
115°	7	21	62	82	86	7
125°	7	10	37	53	56	7
135°	6	8	19	33	36	5
145°	9	8	9	16	19	5
155°	9	10	9	8	9	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3701.2	3701.2	3701.2	3701.2	3701.2
2.5°	3690.3	3699.4	3693.9	3705.7	3704.8
5°	3677.6	3687.6	3683.1	3697.6	3693.0
7.5°	3655.9	3666.8	3665.9	3682.2	3680.3
10°	3624.2	3636.0	3639.6	3661.3	3661.3
12.5°	3580.7	3596.1	3605.2	3631.4	3632.3
15°	3529.1	3546.3	3562.6	3592.5	3596.1
17.5°	3466.6	3488.3	3511.0	3545.4	3549.9
20°	3395.9	3420.4	3451.2	3487.4	3492.8
22.5°	3314.4	3343.4	3383.2	3425.8	3432.1
25°	3222.9	3258.2	3304.4	3356.1	3364.2
27.5°	3118.7	3159.5	3222.0	3280.0	3287.2
30°	3005.5	3053.5	3131.4	3200.3	3212.0
32.5°	2885.9	2941.2	3037.2	3114.2	3130.5
35°	2755.5	2819.8	2935.8	3024.5	3042.6
37.5°	2626.9	2697.5	2828.9	2930.3	2952.1
40°	2476.5	2564.4	2714.7	2827.1	2853.3
42.5°	2335.2	2430.3	2600.6	2722.9	2748.3
45°	2174.9	2284.5	2475.6	2610.6	2638.7
47.5°	2024.5	2143.2	2355.1	2494.6	2523.6
50°	1866.0	1996.4	2226.5	2372.3	2402.2
52.5°	1707.5	1847.9	2093.3	2244.6	2272.7
55°	1540.8	1700.2	1958.4	2106.0	2131.4
57.5°	1385.9	1554.4	1819.8	1960.2	1975.6
60°	1232.8	1407.6	1678.5	1801.7	1807.1
62.5°	1083.4	1267.2	1533.6	1631.4	1624.1
65°	940.2	1132.3	1385.9	1454.7	1438.4
67.5°	802.6	1000.9	1234.6	1279.0	1257.3
70°	672.1	873.2	1087.9	1110.5	1090.6
72.5°	557.1	751.8	939.3	958.4	943.9
75°	442.9	635.9	802.6	823.4	815.2
77.5°	336.1	523.6	676.6	703.8	705.6
80°	241.9	421.2	567.0	609.6	615.1
82.5°	159.4	327.0	475.6	529.9	538.1
85°	92.4	243.7	402.2	457.4	465.6
87.5°	39.9	175.7	323.4	373.2	383.2
90°	0.0	95.1	230.1	289.9	301.6
92.5°	2.7	78.8	197.5	251.8	261.8
95°	4.5	64.3	172.1	219.2	227.4
97.5°	5.4	54.3	149.5	191.1	199.3
100°	5.4	47.1	129.5	167.6	174.8
102.5°	5.4	41.7	113.2	146.7	153.1
105°	6.3	37.1	99.6	130.4	135.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.2	24.5	68.8	92.4	96.0
115°	7.2	20.8	61.6	82.4	86.1
117.5°	8.2	18.1	54.3	74.3	77.0
120°	8.2	15.4	48.0	66.1	69.7
122.5°	8.2	12.7	42.6	59.8	62.5
125°	7.2	10.0	37.1	53.4	56.2
127.5°	6.3	8.2	31.7	48.0	50.7
130°	6.3	7.2	27.2	42.6	45.3
132.5°	6.3	8.2	22.6	37.1	40.8
135°	6.3	8.2	19.0	32.6	36.2
137.5°	6.3	8.2	15.4	28.1	31.7
140°	7.2	8.2	12.7	23.6	27.2
142.5°	8.2	8.2	10.0	19.9	22.6
145°	9.1	8.2	9.1	16.3	19.0
147.5°	9.1	9.1	9.1	12.7	15.4
150°	9.1	10.0	9.1	10.0	12.7
152.5°	9.1	10.0	9.1	8.2	10.0
155°	9.1	10.0	9.1	8.2	9.1
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°	6.3	32.6	87.9	115.9	120.5
110°	6.3	29.0	77.9	103.3	107.8



(END OF REPORT)