

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: P828471

Luminaire Tested: **OHB-18SE-MFL-UNV-L950-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828471
REPORT IS A COMBINATION OF REPORTS P826031 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-18SE-MFL-UNV-L950-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

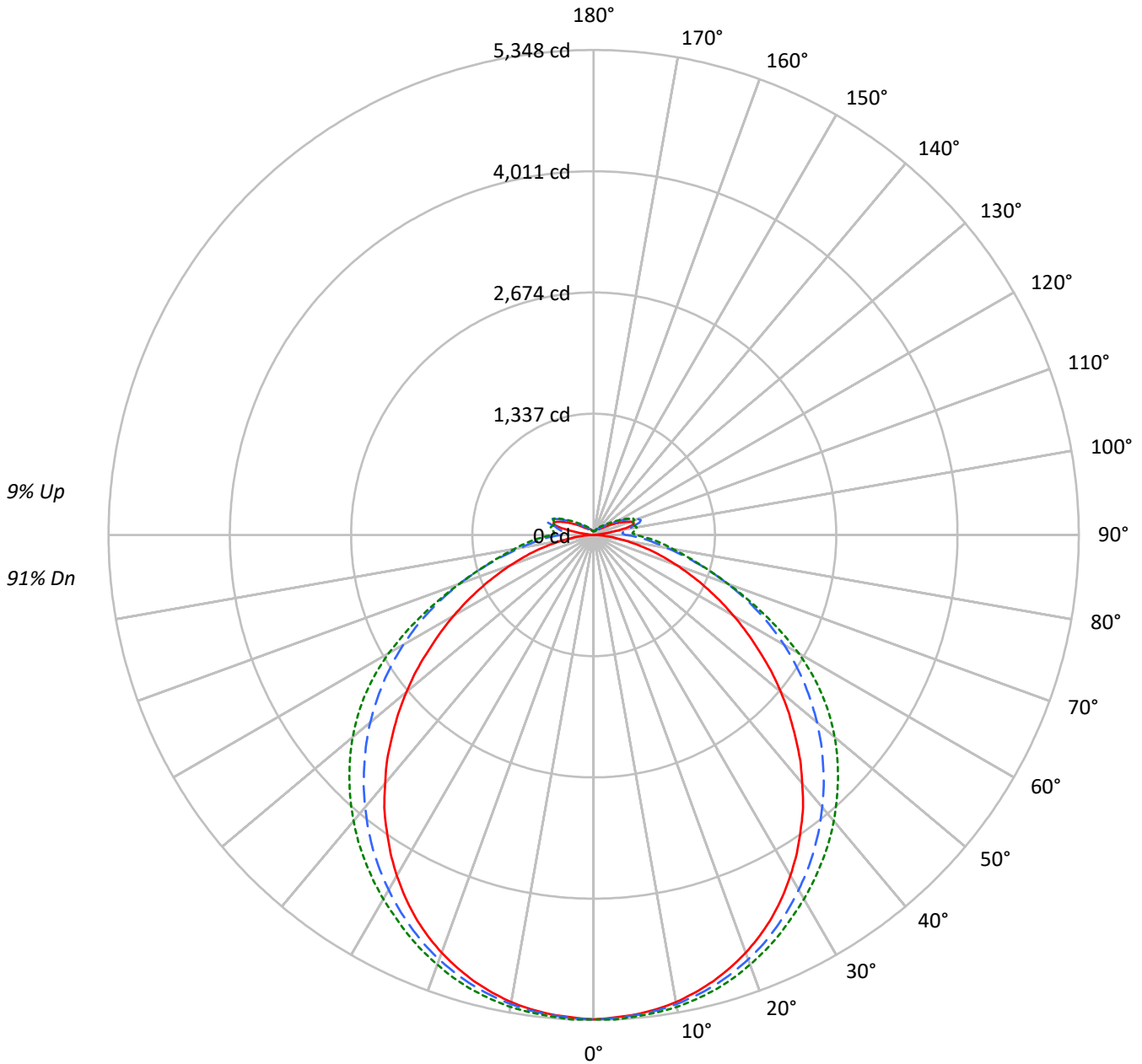
Lumens per Lamp: N/A
Luminaire Lumens: 17073.5 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 116
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91																			
1	106	101	97	93	102	98	94	90	92	89	86	86	84	81	81	79	77	75																			
2	96	88	81	75	93	85	79	74	80	75	70	75	71	67	71	68	65	62																			
3	88	77	69	62	84	75	67	61	71	64	59	67	61	57	63	58	55	52																			
4	80	68	59	53	77	66	58	52	63	56	50	59	53	48	56	51	47	44																			
5	74	61	52	45	71	59	51	45	56	49	43	53	47	42	50	45	41	38																			
6	68	55	46	39	66	53	45	39	51	43	38	48	42	37	46	40	36	34																			
7	63	50	41	35	61	48	40	34	46	39	33	44	37	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	38	33	28	26																			
9	55	41	33	28	53	41	33	27	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17849	17849	17849
5°	17648	17626	17743
10°	17439	17418	17660
15°	17159	17180	17548
20°	16815	16901	17379
25°	16385	16565	17209
30°	15822	16205	17038
35°	15160	15824	16892
40°	14383	15389	16750
45°	13484	14919	16567
50°	12508	14438	16343
55°	11335	13859	15955
60°	10135	13182	15165
65°	8834	12332	13853
70°	7434	11264	12432
75°	6010	10025	11492
80°	4286	9015	11471
85°	2386	8883	12976



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.3	3.0
10°-20°	1452.4	8.5
20°-30°	2196.6	12.9
30°-40°	2637.0	15.4
40°-50°	2723.6	16.0
50°-60°	2450.4	14.4
60°-70°	1845.9	10.8
70°-80°	1114.6	6.5
80°-90°	547.8	3.2
90°-100°	332.9	1.9
100°-110°	490.9	2.9
110°-120°	386.0	2.3
120°-130°	191.6	1.1
130°-140°	97.0	0.6
140°-150°	54.2	0.3
150°-160°	29.3	0.2
160°-170°	13.1	0.1
170°-180°	4.0	0.0
0°-30°	4155.3	24.3
0°-40°	6792.3	39.8
0°-60°	11966.3	70.1
0°-90°	15474.6	90.6
90°-120°	1209.7	7.1
90°-150°	1552.6	9.1
90°-180°	1599.0	9.4
0°-180°	17073.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5343	5343	5343	5343	5343	
5°	5309	5323	5317	5338	5331	504
15°	5095	5120	5143	5186	5191	1436
25°	4653	4704	4770	4845	4857	2140
35°	3978	4071	4238	4366	4392	2487
45°	3140	3298	3574	3769	3809	2424
55°	2224	2454	2827	3040	3077	1994
65°	1357	1635	2001	2100	2077	1349
75°	640	918	1158	1189	1177	682
85°	133	352	581	660	672	154
90°	3	153	353	445	466	10
95°	28	143	323	417	445	77
105°	459	498	523	457	443	434
115°	323	343	403	430	430	324
125°	164	174	216	238	243	152
135°	98	103	122	143	148	78
145°	78	79	81	92	97	49
155°	65	67	67	66	68	28
165°	45	45	46	46	46	13
175°	41	41	41	41	41	4
180°	40	40	40	40	40	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5343.1	5343.1	5343.1	5343.1	5343.1
2.5°	5327.3	5340.4	5332.6	5349.6	5348.3
5°	5309.0	5323.4	5316.9	5337.8	5331.3
7.5°	5277.7	5293.4	5292.0	5315.6	5313.0
10°	5231.9	5248.9	5254.1	5285.5	5285.5
12.5°	5169.1	5191.4	5204.4	5242.3	5243.6
15°	5094.6	5119.5	5142.9	5186.1	5191.4
17.5°	5004.3	5035.7	5068.4	5118.2	5124.7
20°	4902.4	4937.7	4982.1	5034.4	5042.3
22.5°	4784.6	4826.5	4884.0	4945.5	4954.7
25°	4652.6	4703.6	4770.3	4844.8	4856.6
27.5°	4502.2	4561.1	4651.3	4735.0	4745.4
30°	4338.8	4408.1	4520.5	4619.9	4636.9
32.5°	4166.2	4245.9	4384.5	4495.7	4519.2
35°	3977.9	4070.7	4238.1	4366.3	4392.3
37.5°	3792.2	3894.2	4083.8	4230.2	4261.6
40°	3575.1	3701.9	3919.0	4081.2	4119.1
42.5°	3371.1	3508.4	3754.3	3930.8	3967.4
45°	3139.7	3297.9	3573.8	3768.6	3809.2
47.5°	2922.6	3093.9	3399.9	3601.2	3643.1
50°	2693.7	2882.0	3214.2	3424.7	3467.9
52.5°	2464.9	2667.6	3021.9	3240.3	3280.8
55°	2224.3	2454.4	2827.2	3040.3	3076.9
57.5°	2000.7	2243.9	2627.0	2829.8	2852.0
60°	1779.7	2032.1	2423.1	2600.9	2608.8
62.5°	1564.0	1829.4	2213.9	2355.1	2344.6
65°	1357.4	1634.6	2000.7	2100.1	2076.6
67.5°	1158.5	1444.9	1782.4	1846.4	1815.1
70°	970.3	1260.6	1570.5	1603.2	1574.4
72.5°	804.2	1085.3	1356.1	1383.5	1362.6
75°	639.5	918.0	1158.5	1188.6	1176.9
77.5°	485.2	755.8	976.8	1016.0	1018.6
80°	349.2	608.1	818.6	880.1	887.9
82.5°	230.1	472.0	686.5	764.9	776.8
85°	133.4	351.8	580.6	660.3	672.2
87.5°	57.6	253.7	466.8	538.7	553.1
90°	2.6	152.9	353.0	445.4	465.8
92.5°	11.7	133.7	318.1	410.5	429.2
95°	28.3	143.3	323.3	417.3	444.7
97.5°	125.2	206.2	360.1	446.3	466.8
100°	247.8	326.2	401.8	466.2	481.1
102.5°	389.5	436.6	438.2	460.5	465.3
105°	458.6	497.9	522.9	457.0	443.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	373.9	401.3	462.8	482.9	473.3
115°	323.4	343.1	402.8	430.3	430.3
117.5°	274.3	292.2	347.1	373.3	375.4
120°	231.7	247.4	296.2	318.9	324.1
122.5°	196.9	207.9	253.6	275.9	280.7
125°	163.5	173.5	216.2	238.0	242.7
127.5°	136.9	144.8	184.8	207.5	211.4
130°	120.4	125.2	158.3	181.5	185.4
132.5°	108.2	113.5	137.9	159.7	165.8
135°	97.8	103.0	122.2	142.7	148.0
137.5°	90.9	95.2	108.3	127.5	133.5
140°	85.2	89.1	97.5	114.0	119.2
142.5°	81.3	83.0	87.4	102.7	107.5
145°	78.2	78.7	80.9	92.2	97.0
147.5°	73.9	75.6	77.4	82.7	87.5
150°	71.3	73.5	73.0	75.2	79.2
152.5°	67.8	70.0	69.6	69.1	71.7
155°	65.2	67.4	66.9	66.5	67.8
157.5°	49.6	51.3	51.3	52.2	52.2
160°	47.8	48.7	49.6	49.6	49.6
162.5°	46.1	47.0	47.0	47.8	47.8
165°	45.2	45.2	46.1	46.1	46.1
167.5°	43.5	43.5	44.3	44.3	44.3
170°	42.6	42.6	42.6	43.5	43.5
172.5°	41.7	41.7	41.7	41.7	41.7
175°	40.9	40.9	40.9	40.9	40.9
177.5°	40.0	40.9	40.9	40.9	40.9
180°	40.0	40.0	40.0	40.0	40.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	461.2	500.9	545.1	491.7	442.5
110°	423.0	461.8	513.2	514.3	476.5



(END OF REPORT)