

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: P828345

Luminaire Tested: **OHBL-24SE-A-UNV-L940-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828345
REPORT IS A COMBINATION OF REPORTS P826077 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: OHBL-24SE-A-UNV-L940-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

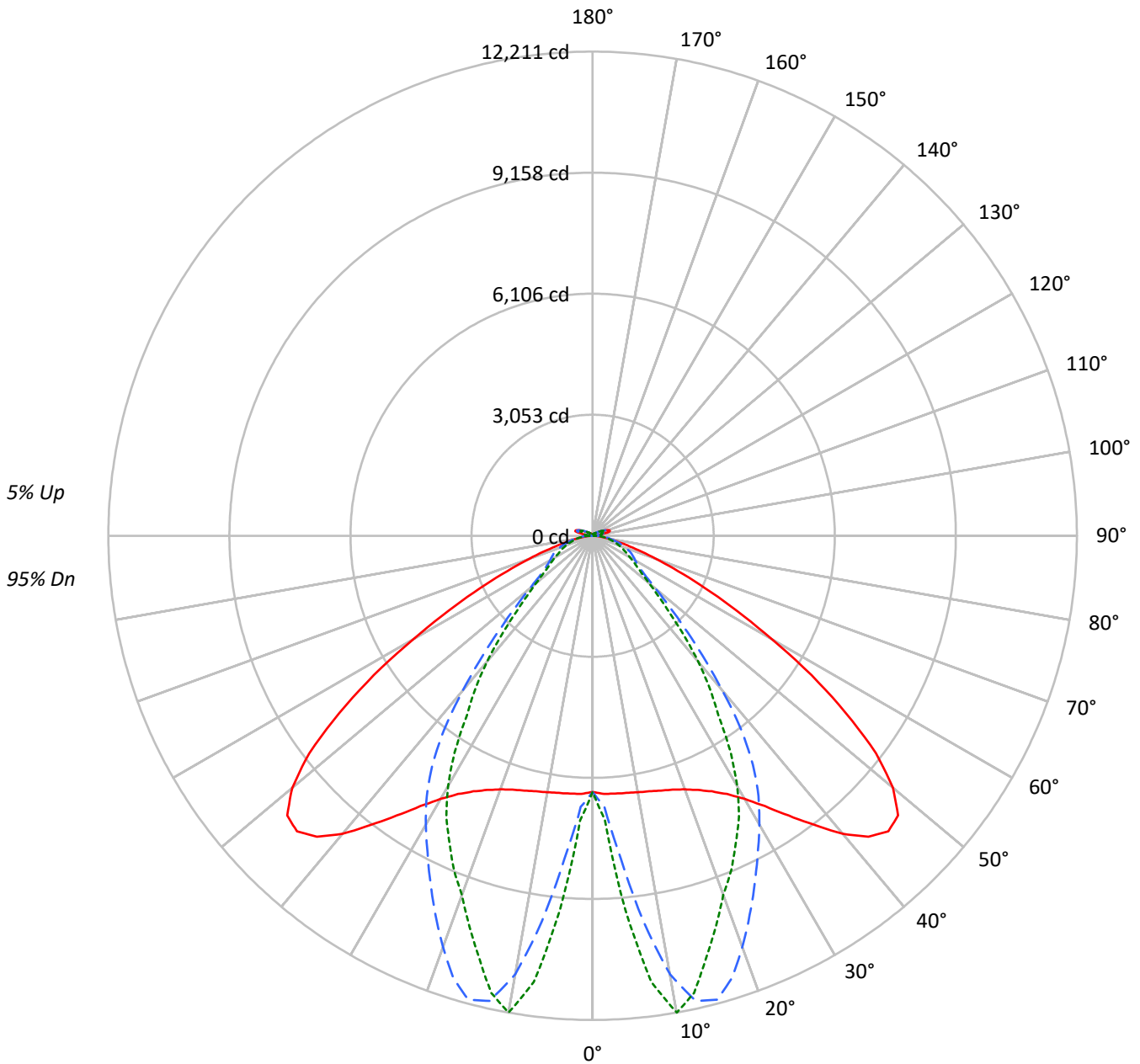
Lumens per Lamp: N/A
Luminaire Lumens: 21818.9 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 146.4
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95																			
1	109	105	102	99	106	103	99	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	67	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	80	69	61	55	78	68	60	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	47	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	45	40	35	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11037	11037	11037
5°	11093	13881	16179
10°	11192	19138	21015
15°	11459	20848	19288
20°	11932	19344	17238
25°	12803	17397	15767
30°	14276	15665	14020
35°	16783	13711	11173
40°	20180	10441	8891
45°	23148	7114	6328
50°	23467	4880	4681
55°	20313	3840	3824
60°	15173	3593	3440
65°	10400	3605	3259
70°	6650	3477	3156
75°	3999	3218	3020
80°	2353	2828	3115
85°	1133	2428	2889



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	843.6	3.9
10°-20°	2977.5	13.6
20°-30°	4387.6	20.1
30°-40°	4610.6	21.1
40°-50°	3528.0	16.2
50°-60°	2130.3	9.8
60°-70°	1300.0	6.0
70°-80°	709.5	3.3
80°-90°	251.8	1.2
90°-100°	103.4	0.5
100°-110°	359.9	1.6
110°-120°	309.1	1.4
120°-130°	148.1	0.7
130°-140°	74.1	0.3
140°-150°	43.1	0.2
150°-160°	25.2	0.1
160°-170°	13.1	0.1
170°-180°	4.0	0.0
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0°-30°	8208.7	37.6
0°-40°	12819.3	58.8
0°-60°	18477.6	84.7
0°-90°	20739.0	95.1
90°-120°	772.4	3.5
90°-150°	1037.8	4.8
90°-180°	1080.0	4.9
0°-180°	21818.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6462	6462	6462	6462	6462	
5°	6527	7002	8169	9121	9473	624
15°	6654	10364	12112	11303	11037	1892
25°	7110	12028	9670	8755	8539	3323
35°	8613	9632	7045	5867	5524	5464
45°	10542	5496	3245	2856	2736	7965
55°	7796	1864	1477	1369	1365	6889
65°	3125	1180	1087	930	883	3202
75°	832	734	673	555	533	957
85°	124	228	268	244	222	153
90°	3	16	21	27	30	8
95°	22	50	75	101	116	71
105°	450	444	379	269	247	425
115°	313	313	314	311	306	313
125°	153	159	163	161	162	143
135°	89	91	95	96	96	71
145°	65	67	68	69	70	41
155°	52	53	54	55	55	24
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°	6462.0	6462.0	6462.0	6462.0	6462.0
2.5°	6514.9	6581.4	6843.6	7115.6	7181.9
5°	6526.8	7002.3	8168.6	9121.0	9472.9
7.5°	6540.7	7684.2	9810.5	10976.5	11349.7
10°	6567.0	8546.6	11233.0	12070.2	12211.3
12.5°	6599.7	9460.2	12015.9	11985.4	11807.5
15°	6654.0	10363.9	12112.3	11302.6	11036.9
17.5°	6711.1	11128.4	11691.7	10559.5	10328.0
20°	6803.9	11695.9	11037.4	9898.9	9635.9
22.5°	6937.7	12007.9	10351.3	9301.4	9129.9
25°	7110.4	12028.1	9670.0	8754.7	8538.6
27.5°	7341.8	11749.1	9016.8	8219.0	7990.7
30°	7656.6	11214.8	8410.0	7573.1	7289.9
32.5°	8084.1	10445.9	7784.3	6793.4	6475.8
35°	8612.8	9632.3	7044.8	5866.8	5523.8
37.5°	9189.8	8729.0	6147.2	5046.3	4846.5
40°	9810.5	7798.1	5083.4	4278.4	4135.4
42.5°	10294.8	6786.2	4095.3	3555.5	3403.4
45°	10541.8	5496.3	3245.1	2855.5	2735.5
47.5°	10445.6	4266.5	2572.6	2268.9	2232.9
50°	9884.5	3150.3	2059.4	1869.0	1854.1
52.5°	9007.2	2348.1	1701.2	1583.3	1557.6
55°	7796.0	1863.7	1477.2	1369.1	1365.0
57.5°	6545.4	1583.3	1340.9	1257.2	1228.1
60°	5211.4	1411.8	1237.6	1143.1	1084.0
62.5°	4085.0	1291.8	1161.6	1033.3	978.1
65°	3125.4	1179.9	1086.8	930.0	882.6
67.5°	2329.9	1073.2	995.3	821.4	793.6
70°	1697.5	963.8	891.2	730.4	708.5
72.5°	1209.8	854.6	786.9	645.1	621.0
75°	832.1	733.7	673.0	555.3	532.9
77.5°	561.4	610.4	560.9	474.1	464.7
80°	374.9	484.1	453.6	401.8	395.9
82.5°	227.5	351.3	358.0	326.7	310.9
85°	123.9	227.5	268.2	244.4	221.7
87.5°	48.5	126.1	184.8	166.0	156.3
90°	2.6	15.6	20.9	27.0	30.4
92.5°	7.8	20.0	33.0	47.0	51.3
95°	21.7	50.4	74.8	100.9	116.5
97.5°	117.4	127.8	144.3	170.4	179.1
100°	240.0	258.2	214.8	224.3	228.7
102.5°	381.7	376.5	274.7	248.7	244.3
105°	449.5	444.3	379.1	268.7	246.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	363.4	366.0	363.4	349.5	334.7
115°	313.0	313.0	313.9	311.3	306.0
117.5°	262.6	266.0	268.7	266.0	264.3
120°	220.0	225.2	226.9	223.4	223.4
122.5°	185.2	189.5	192.1	189.5	190.4
125°	153.0	159.1	162.6	160.8	161.7
127.5°	127.8	133.0	139.1	138.2	138.2
130°	111.3	114.8	119.1	120.0	120.0
132.5°	99.1	101.7	105.2	106.1	106.9
135°	88.7	91.3	94.8	95.6	95.6
137.5°	81.7	83.5	86.1	86.9	87.8
140°	74.8	77.4	79.1	80.0	80.0
142.5°	69.6	71.3	73.0	73.9	74.8
145°	65.2	66.9	67.8	68.7	69.6
147.5°	60.9	62.6	64.3	64.3	65.2
150°	58.3	59.1	60.0	60.9	60.9
152.5°	54.8	55.6	56.5	57.4	57.4
155°	52.2	53.0	53.9	54.8	54.8
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°	452.1	453.8	418.2	324.3	268.7
110°	413.9	419.9	400.8	365.2	320.8



(END OF REPORT)