

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: P828357

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828357
REPORT IS A COMBINATION OF REPORTS P826081 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-NL-UNV-L940-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

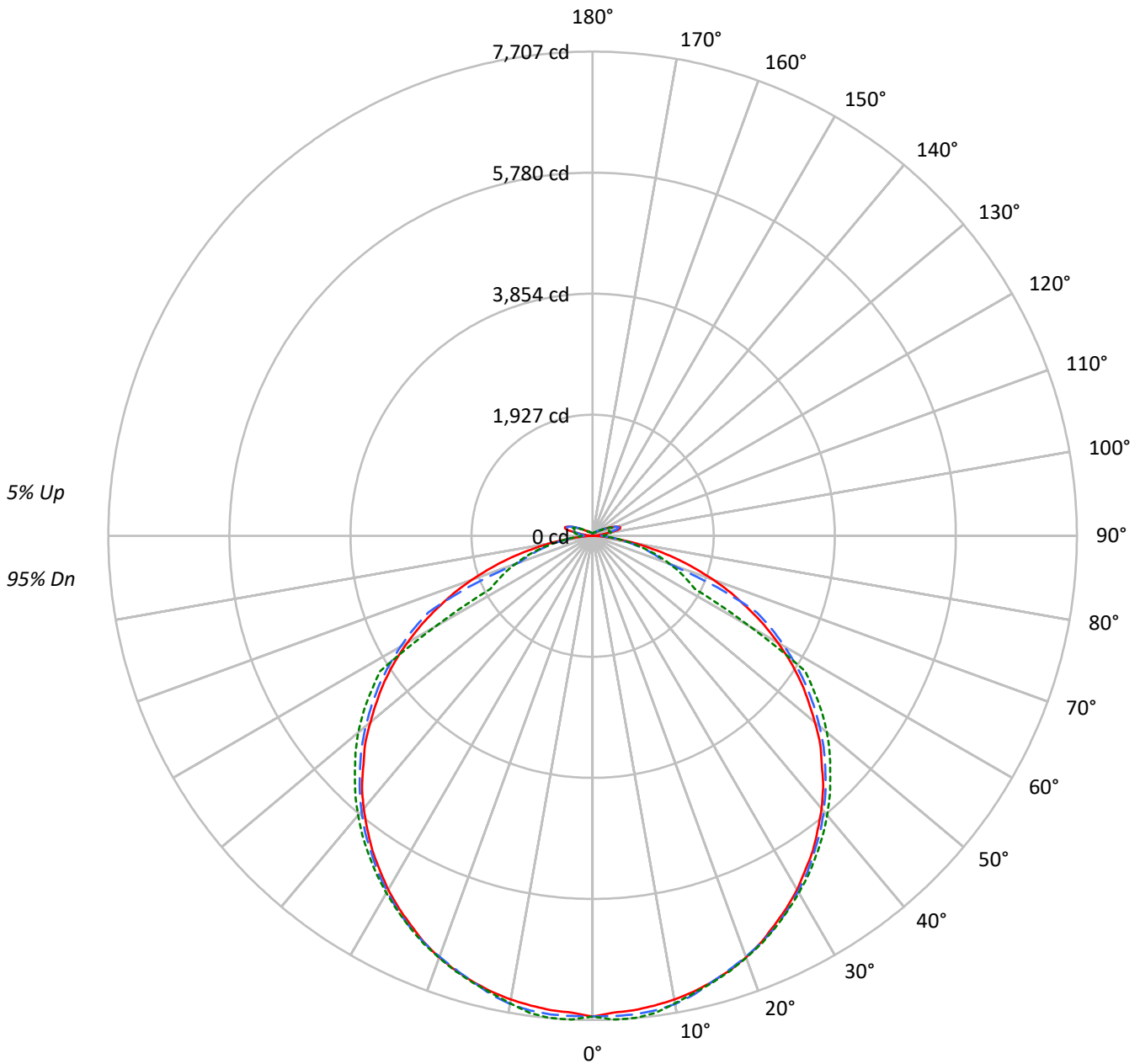
Lumens per Lamp: N/A
Luminaire Lumens: 22564.1 lumens
Efficiency: N/A
Efficacy: 154.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 146.4
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95																			
1	108	103	99	96	105	101	97	94	96	93	90	91	88	86	86	84	83	80																			
2	99	91	84	78	95	88	82	77	84	79	75	80	76	72	76	73	70	67																			
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57																			
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49																			
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42																			
6	70	57	48	42	68	56	47	41	53	46	40	51	45	40	49	43	39	37																			
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	33																			
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29																			
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26																			
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13068	13068	13068
5°	12928	13044	13182
10°	12863	12983	13046
15°	12792	12786	12932
20°	12702	12678	12868
25°	12540	12597	12809
30°	12401	12457	12753
35°	12234	12292	12703
40°	12032	12135	12665
45°	11751	11915	12586
50°	11449	11668	12536
55°	11084	11354	12324
60°	10536	10890	9520
65°	9749	10294	6341
70°	8737	5292	6063
75°	7253	4783	5653
80°	5094	4001	4949
85°	2044	3206	4283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.9	3.2
10°-20°	2081.3	9.2
20°-30°	3166.8	14.0
30°-40°	3850.4	17.1
40°-50°	4048.5	17.9
50°-60°	3696.8	16.4
60°-70°	2369.8	10.5
70°-80°	1119.5	5.0
80°-90°	313.2	1.4
90°-100°	185.7	0.8
100°-110°	382.4	1.7
110°-120°	315.3	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
0°-30°	5975.0	26.5
0°-40°	9825.4	43.5
0°-60°	17570.7	77.9
0°-90°	21373.1	94.7
90°-120°	883.4	3.9
90°-150°	1148.8	5.1
90°-180°	1191.0	5.3
0°-180°	22564.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7651	7651	7651	7651	7651	
5°	7580	7610	7648	7690	7706	721
15°	7350	7405	7349	7360	7365	2075
25°	6840	6851	6875	6886	6880	3156
35°	6114	6078	6147	6223	6205	3821
45°	5157	5147	5234	5358	5349	3986
55°	4041	4010	4146	4284	4295	3604
65°	2723	2723	2881	1653	1658	2699
75°	1345	1371	890	937	941	1418
85°	176	223	278	301	285	260
90°	3	91	144	173	174	9
95°	26	89	164	220	236	74
105°	456	459	401	290	267	432
115°	320	322	327	321	307	318
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°	7651.1	7651.1	7651.1	7651.1	7651.1
2.5°	7597.4	7622.9	7651.1	7687.4	7707.4
5°	7579.9	7609.5	7648.4	7690.1	7706.1
7.5°	7542.3	7583.9	7621.6	7651.1	7660.5
10°	7495.3	7545.0	7566.5	7563.8	7557.1
12.5°	7432.2	7484.7	7478.0	7447.0	7452.4
15°	7350.4	7405.3	7349.1	7359.8	7365.2
17.5°	7253.7	7307.4	7241.6	7263.1	7264.5
20°	7141.0	7181.2	7130.1	7147.6	7147.6
22.5°	7005.4	7033.5	7012.1	7024.2	7026.8
25°	6840.2	6850.9	6875.0	6885.8	6880.4
27.5°	6681.9	6668.4	6715.4	6740.9	6727.3
30°	6505.9	6484.4	6539.4	6581.1	6565.0
32.5°	6304.5	6291.1	6354.2	6403.9	6394.5
35°	6113.9	6077.7	6147.4	6222.6	6205.1
37.5°	5888.3	5866.8	5946.0	6025.3	6015.9
40°	5668.2	5631.9	5721.9	5815.8	5806.4
42.5°	5431.9	5388.8	5486.9	5599.7	5589.0
45°	5156.6	5147.2	5234.5	5358.0	5348.6
47.5°	4912.4	4865.3	4987.5	5107.0	5117.8
50°	4616.9	4599.5	4711.0	4856.0	4866.6
52.5°	4328.4	4316.3	4432.9	4579.4	4598.1
55°	4041.0	4010.1	4145.7	4284.0	4294.8
57.5°	3733.7	3701.4	3839.7	3990.1	4012.8
60°	3404.7	3373.8	3525.4	3665.1	2914.6
62.5°	3075.7	3054.3	3212.8	2275.6	1834.0
65°	2722.7	2722.7	2881.0	1652.6	1658.0
67.5°	2392.5	2371.0	2148.1	1484.8	1484.8
70°	2038.0	2046.1	1237.7	1300.9	1302.3
72.5°	1682.2	1711.8	1068.7	1119.6	1122.3
75°	1345.2	1370.8	890.1	937.1	941.1
77.5°	988.1	759.9	715.6	751.9	753.2
80°	694.1	479.3	547.8	582.6	578.6
82.5°	405.3	335.6	401.4	427.0	425.6
85°	175.8	222.8	277.9	300.7	284.6
87.5°	56.3	138.3	173.1	186.7	185.2
90°	2.6	90.9	144.4	173.2	174.1
92.5°	7.8	78.9	140.5	181.3	186.9
95°	25.7	89.4	163.5	220.4	236.1
97.5°	120.1	156.0	207.4	264.4	275.8
100°	242.7	281.0	256.4	291.4	297.2
102.5°	388.4	395.2	300.2	291.6	288.7
105°	456.2	459.1	400.6	290.1	267.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	371.5	376.8	378.2	360.3	336.0
115°	319.7	322.4	327.3	320.7	307.3
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°	458.8	467.2	437.0	336.4	272.7
110°	421.9	432.0	416.9	375.9	322.1



(END OF REPORT)