

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: P828722

Luminaire Tested: **OHBL-48SE-W-UNV-L950-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828722
REPORT IS A COMBINATION OF REPORTS P826262 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-48SE-W-UNV-L950-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

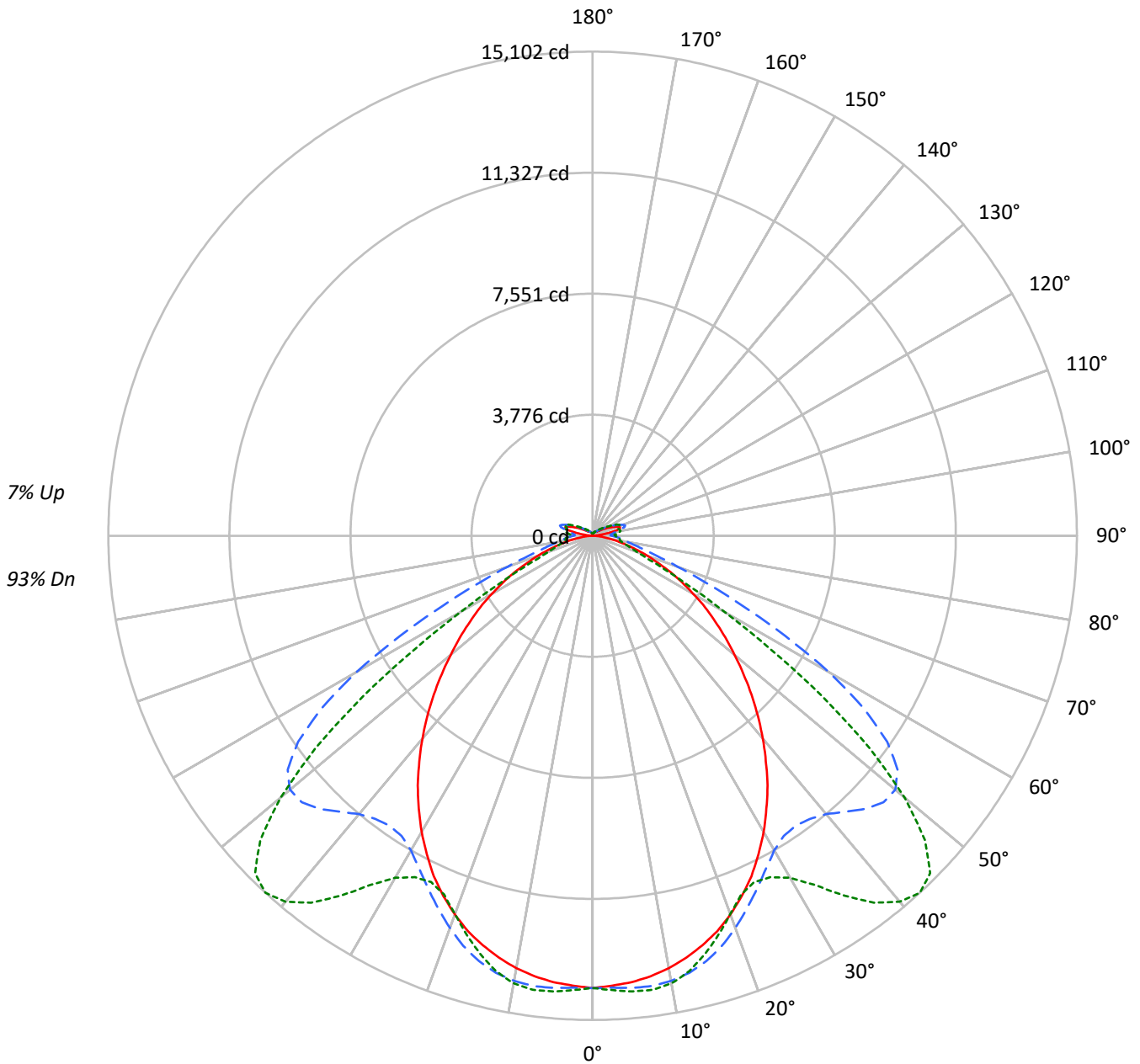
Lumens per Lamp: N/A
Luminaire Lumens: 44341.0 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 306.2
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	81	81	81	79
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	69	69	69	66
3	90	79	71	65	87	77	70	64	73	67	62	70	65	60	66	62	58	58	58	58	56
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	50	50	50	48
5	75	63	54	47	73	61	53	47	58	51	46	56	49	44	53	48	43	43	43	43	41
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	38	38	38	36
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	44	38	33	33	33	33	31
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	30	30	30	28
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	27	27	27	25
10	52	39	31	26	50	38	31	25	37	30	25	35	29	25	34	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24093	24093	24093
5°	23753	24060	24368
10°	23341	24023	24397
15°	22772	23625	23615
20°	22038	22813	22458
25°	21098	21830	22008
30°	19889	21099	23682
35°	18533	21489	27713
40°	16984	23273	32038
45°	15377	26399	34437
50°	13714	29191	32047
55°	12149	29154	24486
60°	10563	24663	14971
65°	8902	17029	9068
70°	7058	11007	6548
75°	5177	7886	6071
80°	3496	6925	6849
85°	2087	7604	10826



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1348.0	3.0
10°-20°	3817.2	8.6
20°-30°	5585.8	12.6
30°-40°	7254.3	16.4
40°-50°	8858.4	20.0
50°-60°	7801.2	17.6
60°-70°	4065.3	9.2
70°-80°	1743.3	3.9
80°-90°	842.6	1.9
90°-100°	594.9	1.3
100°-110°	944.3	2.1
110°-120°	744.9	1.7
120°-130°	366.6	0.8
130°-140°	183.5	0.4
140°-150°	102.5	0.2
150°-160°	55.3	0.1
160°-170°	25.2	0.1
170°-180°	7.7	0.0
0°-30°	10751.0	24.2
0°-40°	18005.3	40.6
0°-60°	34665.0	78.2
0°-90°	41316.1	93.2
90°-120°	2284.1	5.2
90°-150°	2936.6	6.6
90°-180°	3025.0	6.8
0°-180°	44341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14106	14106	14106	14106	14106	
5°	13975	14082	14158	14283	14268	###
15°	13224	13595	13726	13622	13513	3723
25°	11717	12344	12134	11906	11918	5377
35°	9511	10515	11042	12877	13702	5928
45°	7003	8811	12043	14581	14885	5400
55°	4663	7718	11215	9833	8741	4185
65°	2675	5347	5134	2855	2456	2647
75°	1077	2502	1650	1129	1071	1175
85°	228	892	840	822	831	254
90°	7	352	595	687	708	19
95°	52	285	591	716	757	148
105°	884	969	1020	866	830	840
115°	620	669	784	822	823	626
125°	315	340	419	449	449	294
135°	192	196	232	267	272	152
145°	150	148	154	173	180	94
155°	125	127	123	124	124	55
165°	87	88	89	89	89	25
175°	78	79	79	80	80	8
180°	78	78	78	78	78	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14106.3	14106.3	14106.3	14106.3	14106.3
2.5°	14045.4	14106.3	14109.3	14194.6	14185.4
5°	13975.4	14082.0	14158.0	14282.8	14267.6
7.5°	13859.8	14027.2	14161.1	14298.0	14285.8
10°	13695.4	13923.7	14100.2	14212.8	14176.3
12.5°	13482.4	13783.7	13957.2	13981.5	13911.5
15°	13223.7	13595.0	13725.8	13622.4	13512.8
17.5°	12931.5	13366.8	13412.4	13187.2	13050.2
20°	12566.3	13062.4	13016.7	12706.3	12554.2
22.5°	12161.5	12727.6	12581.6	12255.9	12109.8
25°	11717.2	12344.1	12134.1	11905.9	11918.1
27.5°	11196.8	11909.0	11705.1	11808.5	12003.3
30°	10667.2	11452.4	11327.6	11930.3	12313.7
32.5°	10085.9	10983.8	11096.4	12286.3	12913.2
35°	9510.7	10515.1	11041.6	12876.7	13701.5
37.5°	8874.7	10040.3	11129.8	13558.5	14422.8
40°	8256.9	9577.7	11330.7	14170.2	14900.6
42.5°	7626.9	9163.8	11668.6	14532.4	15101.5
45°	7002.9	8810.7	12042.8	14581.1	14885.4
47.5°	6379.0	8512.5	12301.5	14194.6	14054.6
50°	5776.4	8247.7	12319.8	13266.3	12694.1
52.5°	5213.4	8004.2	11985.0	11787.2	10898.5
55°	4662.6	7718.1	11215.1	9833.3	8740.7
57.5°	4160.4	7322.5	10028.1	7733.4	6540.3
60°	3627.8	6786.9	8494.2	5657.7	4717.3
62.5°	3137.7	6120.4	6774.7	3938.2	3390.4
65°	2675.2	5347.3	5134.2	2854.7	2456.0
67.5°	2185.2	4546.8	3789.0	2081.7	1826.1
70°	1801.7	3804.3	2821.3	1619.1	1470.0
72.5°	1409.1	3098.2	2109.1	1314.8	1232.6
75°	1077.4	2501.7	1649.5	1129.1	1071.3
77.5°	794.3	1978.2	1326.9	998.2	943.4
80°	557.0	1558.2	1110.9	891.7	870.4
82.5°	374.4	1205.2	946.5	849.1	852.1
85°	228.2	891.7	840.0	821.7	830.8
87.5°	109.6	633.0	721.3	748.7	757.8
90°	7.4	352.1	594.8	686.9	708.2
92.5°	14.8	285.6	549.6	654.8	681.3
95°	52.2	285.2	590.9	715.6	756.9
97.5°	240.0	408.2	667.8	804.3	842.1
100°	489.1	643.4	764.3	863.9	880.8
102.5°	750.8	856.0	853.8	865.2	864.3
105°	884.2	969.0	1019.9	866.4	829.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	720.8	786.0	899.9	922.5	900.7
115°	619.9	668.6	784.2	822.1	822.9
117.5°	536.0	570.4	674.3	709.9	713.8
120°	447.3	481.2	577.3	609.5	607.3
122.5°	378.6	404.3	491.7	523.4	521.2
125°	315.2	340.0	419.1	448.6	449.1
127.5°	266.9	281.3	356.9	388.2	390.4
130°	234.8	241.7	305.2	336.5	343.4
132.5°	210.4	216.5	265.2	299.1	304.3
135°	192.1	195.6	232.1	267.4	272.1
137.5°	177.4	180.0	206.5	239.5	245.6
140°	164.3	167.8	184.3	216.5	220.4
142.5°	156.1	156.5	169.1	195.2	198.2
145°	150.4	147.8	153.5	172.6	179.5
147.5°	142.6	143.0	144.8	158.7	161.7
150°	136.5	138.2	134.8	141.7	148.7
152.5°	130.4	132.2	128.7	129.5	135.6
155°	125.2	126.9	122.6	123.5	123.5
157.5°	96.5	98.2	100.0	100.9	100.9
160°	93.0	93.9	95.6	96.5	96.5
162.5°	89.6	90.4	91.3	92.2	92.2
165°	86.9	87.8	88.7	88.7	88.7
167.5°	84.3	84.3	85.2	86.1	86.1
170°	81.7	82.6	82.6	83.5	83.5
172.5°	80.0	80.9	80.9	80.9	81.7
175°	78.2	79.1	79.1	80.0	80.0
177.5°	78.2	78.2	78.2	78.2	78.2
180°	78.2	78.2	78.2	78.2	78.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	890.7	973.3	1066.8	941.2	841.2
110°	822.9	897.7	1001.6	983.3	904.2



(END OF REPORT)