

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: P827746

Luminaire Tested: **OHBL-24SE-A-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827746  
REPORT IS A COMBINATION OF REPORTS P826245 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-24SE-A-UNV-L930-CD-UPL24  
Description:  
Light Source: -  
Ballast/Driver: -

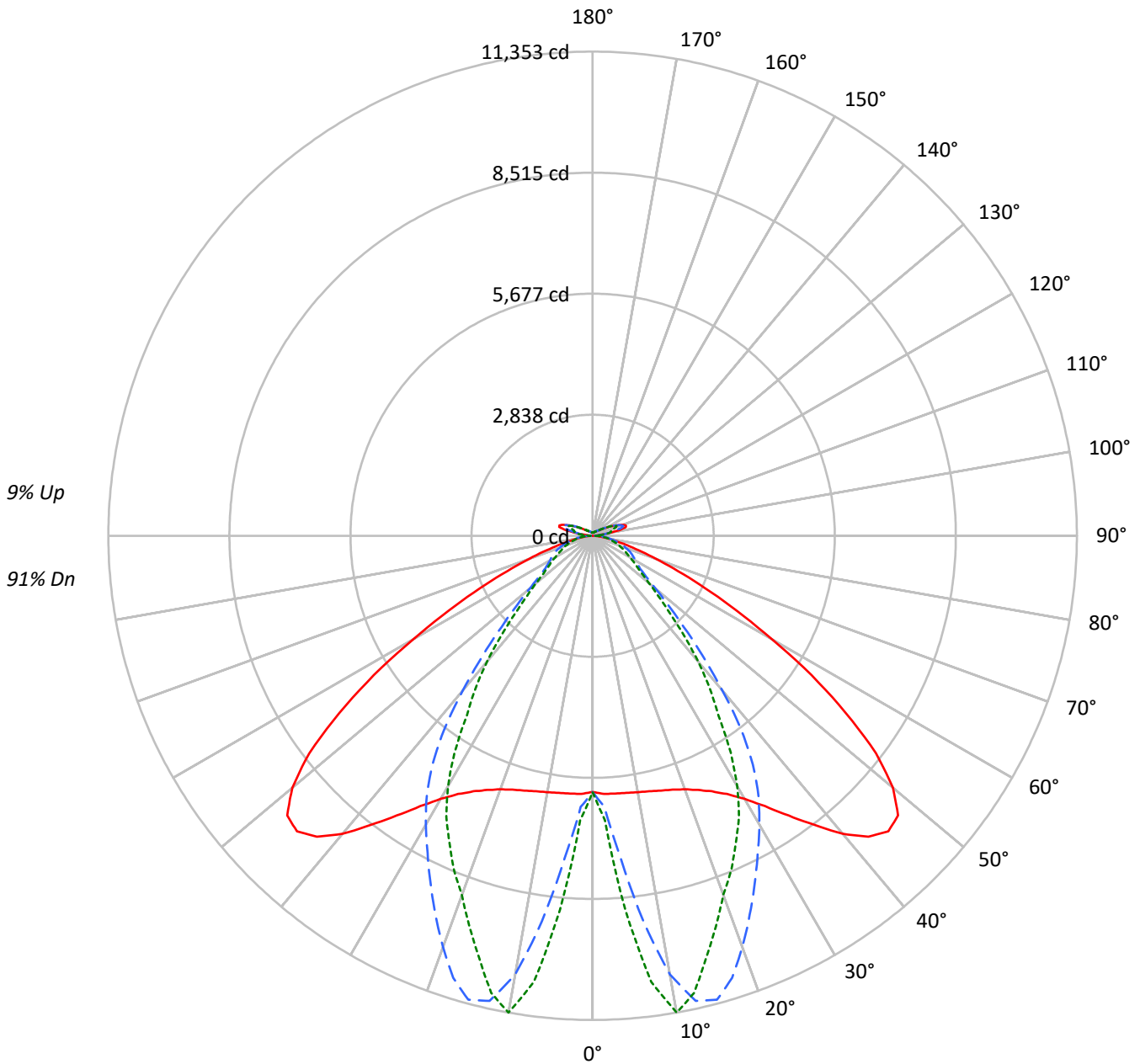
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21235.1 lumens  
Efficiency: N/A  
Efficacy: 136.6 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): 155.4  
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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91																			
1	108	104	101	98	105	101	98	95	95	93	91	90	88	86	85	84	82	80																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	90	81	75	70	77	72	68	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	38	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	38	33	55	44	37	32	42	36	32	41	35	31	40	34	31	29																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10261	10261	10261
5°	10314	12906	15042
10°	10405	17793	19538
15°	10653	19383	17932
20°	11094	17985	16026
25°	11903	16174	14659
30°	13273	14564	13035
35°	15603	12747	10387
40°	18762	9707	8267
45°	21521	6614	5884
50°	21818	4536	4352
55°	18885	3570	3555
60°	14107	3341	3198
65°	9669	3351	3030
70°	6182	3232	2934
75°	3718	2991	2807
80°	2188	2629	2896
85°	1053	2258	2686



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	784.3	3.7
10°-20°	2768.2	13.0
20°-30°	4079.2	19.2
30°-40°	4286.6	20.2
40°-50°	3280.0	15.4
50°-60°	1980.6	9.3
60°-70°	1208.6	5.7
70°-80°	659.7	3.1
80°-90°	236.5	1.1
90°-100°	187.4	0.9
100°-110°	650.6	3.1
110°-120°	558.1	2.6
120°-130°	267.8	1.3
130°-140°	134.0	0.6
140°-150°	77.7	0.4
150°-160°	45.3	0.2
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	7631.7	35.9
0°-40°	11918.3	56.1
0°-60°	17178.9	80.9
0°-90°	19283.7	90.8
90°-120°	1396.2	6.6
90°-150°	1875.5	8.8
90°-180°	1951.0	9.2
0°-180°	21235.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6008	6008	6008	6008	6008	
5°	6068	6510	7594	8480	8807	580
15°	6186	9635	11261	10508	10261	1759
25°	6611	11183	8990	8139	7938	3090
35°	8007	8955	6550	5454	5136	5080
45°	9801	5110	3017	2655	2543	7405
55°	7248	1733	1373	1273	1269	6405
65°	2906	1097	1010	865	820	2977
75°	774	682	626	516	495	890
85°	115	212	249	227	206	142
90°	4	28	38	50	56	9
95°	43	90	139	184	209	133
105°	811	802	682	486	446	769
115°	559	565	565	563	559	564
125°	273	288	293	293	290	256
135°	162	165	171	172	174	128
145°	117	120	123	124	124	75
155°	94	95	97	98	98	44
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6007.8	6007.8	6007.8	6007.8	6007.8
2.5°	6057.0	6118.8	6362.6	6615.5	6677.1
5°	6068.1	6510.2	7594.5	8479.9	8807.1
7.5°	6080.9	7144.1	9120.9	10205.0	10552.0
10°	6105.4	7945.9	10443.5	11221.8	11353.0
12.5°	6135.8	8795.2	11171.3	11143.0	10977.6
15°	6186.3	9635.4	11261.0	10508.2	10261.1
17.5°	6239.4	10346.2	10869.9	9817.3	9602.1
20°	6325.7	10873.8	10261.6	9203.1	8958.6
22.5°	6450.1	11163.9	9623.8	8647.6	8488.1
25°	6610.6	11182.6	8990.3	8139.4	7938.4
27.5°	6825.7	10923.3	8383.1	7641.3	7429.1
30°	7118.4	10426.5	7818.8	7040.8	6777.6
32.5°	7515.9	9711.6	7237.2	6315.9	6020.6
35°	8007.4	8955.3	6549.6	5454.4	5135.5
37.5°	8543.8	8115.4	5715.2	4691.6	4505.8
40°	9120.9	7250.0	4726.1	3977.7	3844.8
42.5°	9571.2	6309.2	3807.4	3305.6	3164.1
45°	9800.8	5110.0	3017.0	2654.8	2543.3
47.5°	9711.4	3966.7	2391.8	2109.4	2076.0
50°	9189.7	2928.9	1914.6	1737.7	1723.8
52.5°	8374.1	2183.1	1581.6	1472.1	1448.1
55°	7248.0	1732.7	1373.4	1272.9	1269.1
57.5°	6085.3	1472.1	1246.6	1168.8	1141.8
60°	4845.2	1312.6	1150.6	1062.7	1007.8
62.5°	3797.9	1201.0	1079.9	960.7	909.4
65°	2905.7	1097.0	1010.4	864.6	820.5
67.5°	2166.1	997.8	925.4	763.6	737.8
70°	1578.2	896.0	828.5	679.1	658.7
72.5°	1124.8	794.5	731.6	599.8	577.3
75°	773.7	682.2	625.7	516.3	495.4
77.5°	521.9	567.5	521.5	440.8	432.1
80°	348.6	450.1	421.7	373.5	368.1
82.5°	211.5	326.6	332.9	303.8	289.1
85°	115.2	211.5	249.4	227.2	206.1
87.5°	45.1	117.2	171.9	154.3	145.3
90°	4.0	27.5	38.0	50.1	55.8
92.5°	13.7	36.4	58.2	82.4	93.0
95°	42.8	89.7	139.0	184.3	208.6
97.5°	217.4	235.2	253.0	306.4	333.0
100°	446.2	473.7	382.3	404.2	411.4
102.5°	689.5	685.5	499.6	447.8	441.4
105°	810.8	801.9	682.2	485.8	446.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	653.1	662.8	649.9	631.3	605.4
115°	559.4	565.0	565.0	563.4	558.6
117.5°	478.5	479.3	482.6	481.8	482.6
120°	396.1	405.0	412.2	408.2	403.4
122.5°	332.2	341.9	346.8	345.2	340.3
125°	273.2	287.8	293.4	292.6	290.2
127.5°	231.2	241.7	249.8	250.6	249.8
130°	201.3	207.7	215.8	216.6	217.4
132.5°	178.6	184.3	190.0	193.2	192.4
135°	161.7	164.9	170.6	172.2	173.8
137.5°	147.9	150.4	155.2	157.6	157.6
140°	135.8	139.0	143.1	144.7	145.5
142.5°	125.3	128.5	131.8	133.4	133.4
145°	117.2	120.4	122.9	123.7	124.5
147.5°	109.9	113.2	114.8	116.4	116.4
150°	104.3	105.9	108.3	109.1	109.9
152.5°	98.6	100.2	102.7	103.5	103.5
155°	93.8	95.4	97.0	97.8	97.8
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	814.0	817.2	754.2	589.3	490.7
110°	750.9	758.2	721.8	659.6	580.4



(END OF REPORT)