

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: P827745

Luminaire Tested: **OHBL-24SE-A-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827745  
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-L930-CD-UPL12  
Description:  
Light Source: -  
Ballast/Driver: -

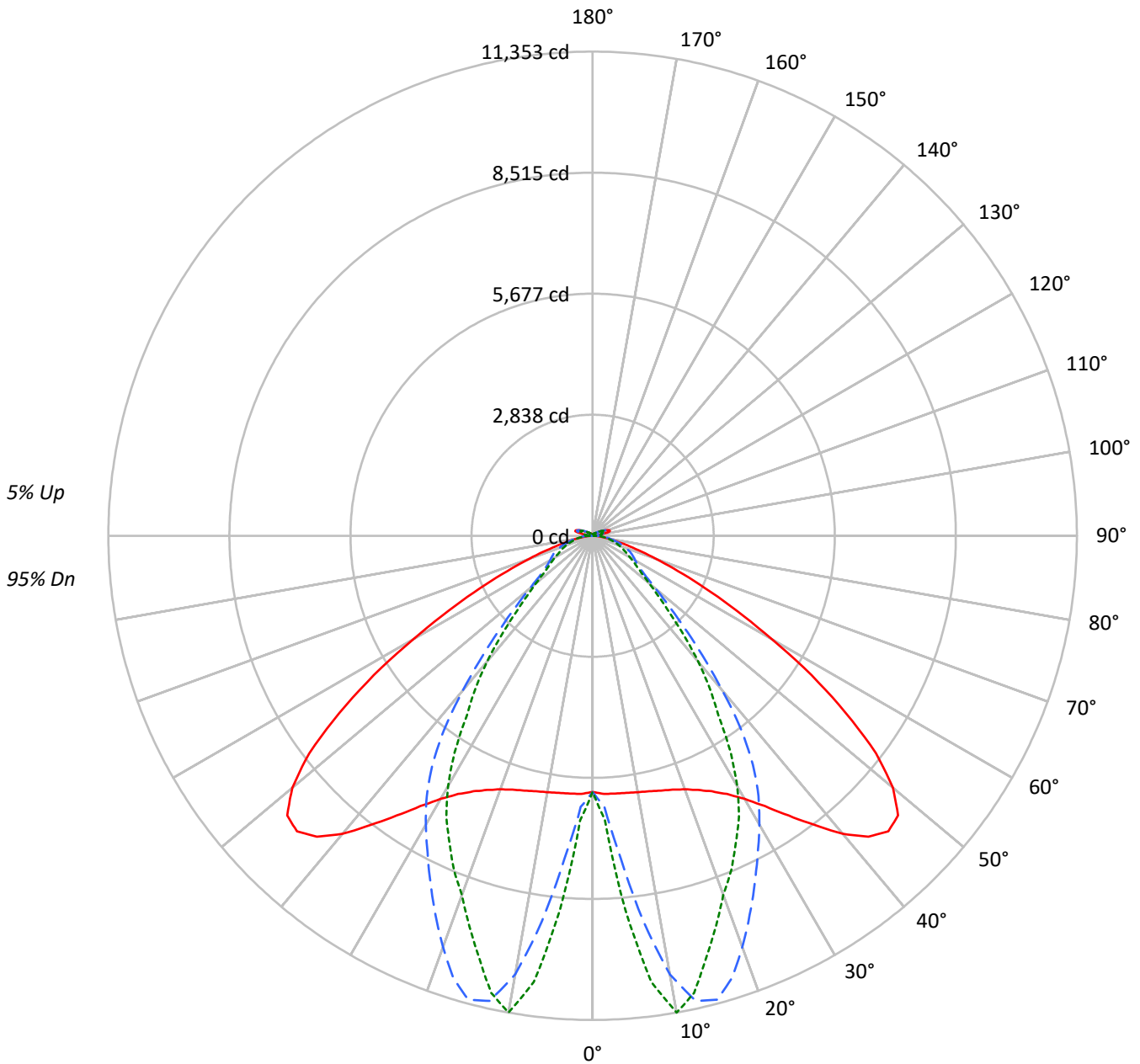
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20285.4 lumens  
Efficiency: N/A  
Efficacy: 138.6 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): 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	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°	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	3.9
10°-20°	2768.2	13.6
20°-30°	4079.2	20.1
30°-40°	4286.6	21.1
40°-50°	3280.0	16.2
50°-60°	1980.6	9.8
60°-70°	1208.6	6.0
70°-80°	659.7	3.3
80°-90°	234.1	1.2
90°-100°	96.2	0.5
100°-110°	334.6	1.6
110°-120°	287.4	1.4
120°-130°	137.7	0.7
130°-140°	68.9	0.3
140°-150°	40.1	0.2
150°-160°	23.4	0.1
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	7631.7	37.6
0°-40°	11918.3	58.8
0°-60°	17178.9	84.7
0°-90°	19281.3	95.1
90°-120°	718.2	3.5
90°-150°	964.9	4.8
90°-180°	1004.0	4.9
0°-180°	20285.4	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°	2	15	19	25	28	8
95°	20	47	70	94	108	66
105°	418	413	352	250	230	395
115°	291	291	292	289	284	291
125°	142	148	151	150	150	133
135°	82	85	88	89	89	66
145°	61	62	63	64	65	38
155°	48	49	50	51	51	23
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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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°	2.4	14.6	19.4	25.1	28.3
92.5°	7.3	18.6	30.7	43.6	47.7
95°	20.2	46.9	69.5	93.8	108.3
97.5°	109.1	118.8	134.2	158.4	166.5
100°	223.1	240.1	199.7	208.6	212.6
102.5°	354.9	350.0	255.4	231.2	227.1
105°	417.9	413.1	352.4	249.8	229.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	337.9	340.3	337.9	325.0	311.2
115°	291.0	291.0	291.8	289.4	284.5
117.5°	244.1	247.4	249.8	247.4	245.7
120°	204.5	209.4	211.0	207.7	207.7
122.5°	172.2	176.2	178.6	176.2	177.0
125°	142.3	147.9	151.2	149.5	150.4
127.5°	118.8	123.7	129.3	128.5	128.5
130°	103.5	106.7	110.7	111.6	111.6
132.5°	92.2	94.6	97.8	98.6	99.4
135°	82.4	84.9	88.1	88.9	88.9
137.5°	76.0	77.6	80.0	80.8	81.6
140°	69.5	71.9	73.6	74.4	74.4
142.5°	64.7	66.3	67.9	68.7	69.5
145°	60.6	62.2	63.0	63.9	64.7
147.5°	56.6	58.2	59.8	59.8	60.6
150°	54.2	55.0	55.8	56.6	56.6
152.5°	50.9	51.7	52.5	53.4	53.4
155°	48.5	49.3	50.1	50.9	50.9
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	420.3	422.0	388.8	301.5	249.8
110°	384.8	390.4	372.6	339.5	298.3



(END OF REPORT)