

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: P830115

Luminaire Tested: **OHBL-24SE-MFL-UNV-L730-CD**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P830115  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-24SE-MFL-UNV-L730-CD  
Description: 24000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM FROSTED LENS  
Light Source: -  
Ballast/Driver: -

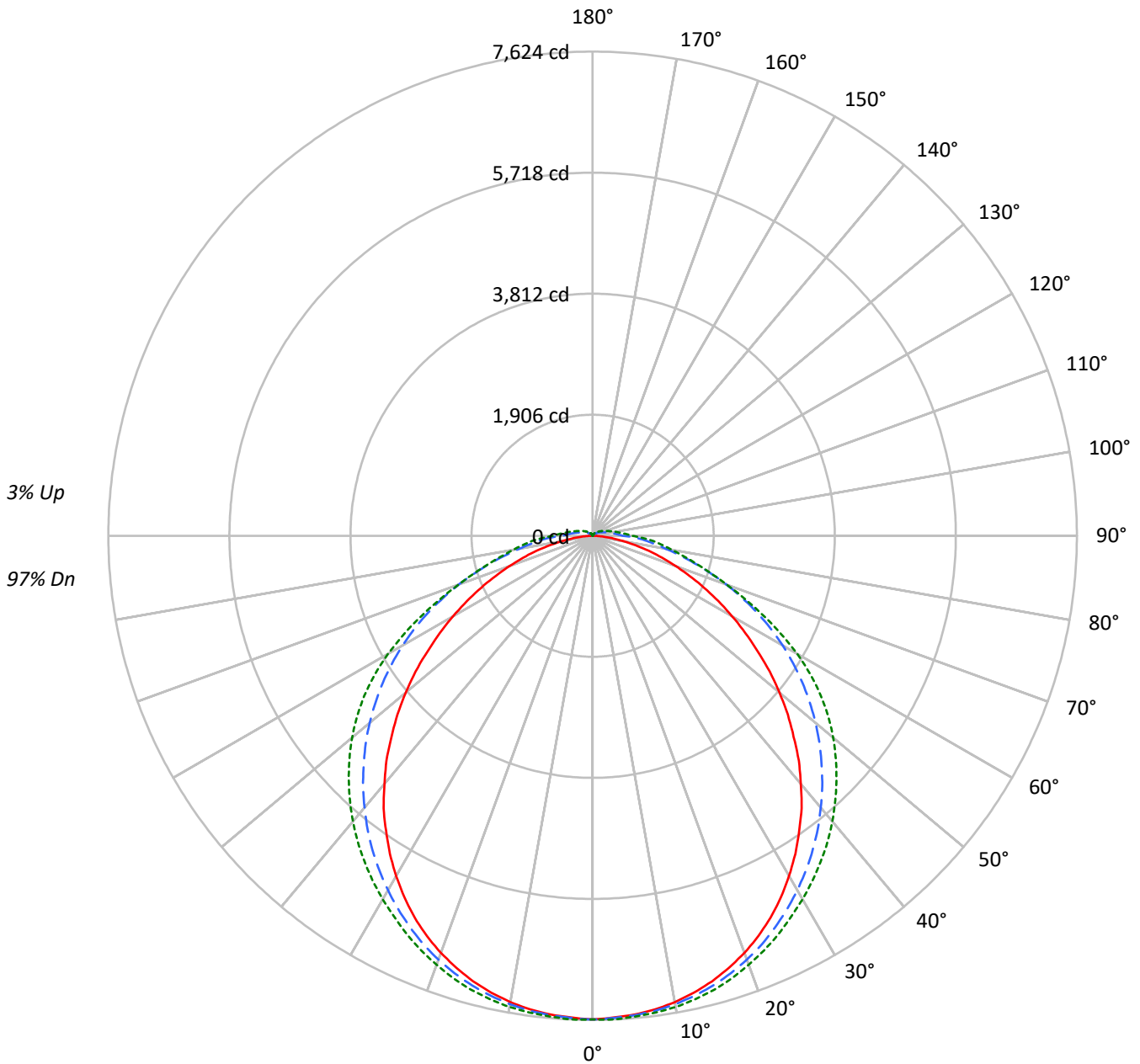
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22795.0 lumens  
Efficiency: N/A  
Efficacy: 165.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 138  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23

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

	0°	45°	90°
0°	13009	13009	13009
5°	12926	12880	12917
10°	12835	12761	12841
15°	12692	12619	12744
20°	12501	12447	12606
25°	12247	12234	12466
30°	11895	12003	12324
35°	11469	11758	12201
40°	10957	11475	12078
45°	10354	11168	11923
50°	9694	10856	11737
55°	8883	10476	11428
60°	8052	10029	10828
65°	7144	9459	9850
70°	6161	8734	8792
75°	5165	7896	8062
80°	3916	7274	7943
85°	2477	7492	8761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	721.7	3.2
10°-20°	2070.5	9.1
20°-30°	3131.2	13.7
30°-40°	3759.1	16.5
40°-50°	3882.5	17.0
50°-60°	3493.0	15.3
60°-70°	2631.3	11.5
70°-80°	1588.8	7.0
80°-90°	777.1	3.4
90°-100°	327.1	1.4
100°-110°	186.7	0.8
110°-120°	109.6	0.5
120°-130°	62.0	0.3
130°-140°	32.6	0.1
140°-150°	15.9	0.1
150°-160°	5.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5923.4	26.0
0°-40°	9682.5	42.5
0°-60°	17058.0	74.8
0°-90°	22055.2	96.8
90°-120°	623.4	2.7
90°-150°	733.9	3.2
90°-180°	740.0	3.2
0°-180°	22795.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7616	7616	7616	7616	7616	
5°	7568	7589	7579	7609	7600	719
15°	7262	7298	7331	7393	7400	2047
25°	6632	6705	6800	6906	6923	3051
35°	5670	5803	6041	6224	6261	3545
45°	4476	4701	5094	5372	5430	3455
55°	3171	3499	4030	4334	4386	2843
65°	1935	2330	2852	2994	2960	1922
75°	912	1309	1652	1694	1678	972
85°	190	501	828	941	958	220
90°	0	196	474	596	621	12
95°	9	132	354	451	468	8
105°	13	76	205	268	280	13
115°	15	43	127	170	177	15
125°	15	20	76	110	116	13
135°	13	17	39	67	75	10
145°	19	17	19	34	39	11
155°	19	20	19	17	19	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7616.5	7616.5	7616.5	7616.5	7616.5
2.5°	7594.2	7612.8	7601.6	7625.9	7624.0
5°	7568.1	7588.6	7579.3	7609.1	7599.8
7.5°	7523.3	7545.7	7543.8	7577.4	7573.7
10°	7458.1	7482.3	7489.8	7534.5	7534.5
12.5°	7368.6	7400.3	7418.9	7473.0	7474.9
15°	7262.4	7297.8	7331.3	7392.8	7400.3
17.5°	7133.7	7178.5	7225.1	7295.9	7305.2
20°	6988.3	7038.7	7102.1	7176.6	7187.8
22.5°	6820.6	6880.2	6962.3	7049.9	7062.9
25°	6632.3	6705.0	6800.1	6906.3	6923.1
27.5°	6417.9	6501.8	6630.4	6749.7	6764.7
30°	6184.9	6283.7	6444.0	6585.7	6609.9
32.5°	5938.9	6052.6	6250.2	6408.6	6442.2
35°	5670.5	5802.8	6041.4	6224.1	6261.4
37.5°	5405.8	5551.2	5821.4	6030.2	6075.0
40°	5096.3	5277.1	5586.6	5817.7	5871.8
42.5°	4805.5	5001.3	5351.7	5603.4	5655.5
45°	4475.6	4701.2	5094.5	5372.2	5430.0
47.5°	4166.2	4410.4	4846.5	5133.6	5193.3
50°	3840.0	4108.4	4581.9	4882.0	4943.5
52.5°	3513.7	3802.7	4307.8	4619.1	4676.9
55°	3170.8	3498.8	4030.1	4333.9	4386.1
57.5°	2852.0	3198.7	3744.9	4033.8	4065.5
60°	2537.0	2896.7	3454.1	3707.6	3718.8
62.5°	2229.4	2607.8	3155.8	3357.2	3342.3
65°	1934.9	2330.1	2852.0	2993.7	2960.1
67.5°	1651.6	2059.8	2540.7	2632.0	2587.3
70°	1383.1	1797.0	2238.7	2285.3	2244.3
72.5°	1146.4	1547.2	1933.0	1972.2	1942.3
75°	911.5	1308.6	1651.6	1694.4	1677.7
77.5°	691.6	1077.4	1392.5	1448.4	1452.1
80°	497.7	866.8	1166.9	1254.5	1265.7
82.5°	328.1	672.9	978.6	1090.5	1107.2
85°	190.1	501.4	827.6	941.3	958.1
87.5°	82.0	361.6	665.5	768.0	788.5
90°	0.0	195.7	473.5	596.5	620.7
92.5°	5.6	162.2	406.4	518.2	538.7
95°	9.3	132.3	354.2	451.1	467.9
97.5°	11.2	111.8	307.6	393.3	410.1
100°	11.2	96.9	266.6	344.9	359.8
102.5°	11.2	85.7	233.0	302.0	315.0
105°	13.0	76.4	205.0	268.4	279.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	14.9	50.3	141.7	190.1	197.6
115°	14.9	42.9	126.8	169.6	177.1
117.5°	16.8	37.3	111.8	152.9	158.4
120°	16.8	31.7	98.8	136.1	143.5
122.5°	16.8	26.1	87.6	123.0	128.6
125°	14.9	20.5	76.4	110.0	115.6
127.5°	13.0	16.8	65.2	98.8	104.4
130°	13.0	14.9	55.9	87.6	93.2
132.5°	13.0	16.8	46.6	76.4	83.9
135°	13.0	16.8	39.1	67.1	74.6
137.5°	13.0	16.8	31.7	57.8	65.2
140°	14.9	16.8	26.1	48.5	55.9
142.5°	16.8	16.8	20.5	41.0	46.6
145°	18.6	16.8	18.6	33.6	39.1
147.5°	18.6	18.6	18.6	26.1	31.7
150°	18.6	20.5	18.6	20.5	26.1
152.5°	18.6	20.5	18.6	16.8	20.5
155°	18.6	20.5	18.6	16.8	18.6
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	13.0	67.1	180.8	238.6	247.9
110°	13.0	59.6	160.3	212.5	221.8



(END OF REPORT)