

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: P830103

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24SE-MCL-UNV-L730-CD
Description: 24000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

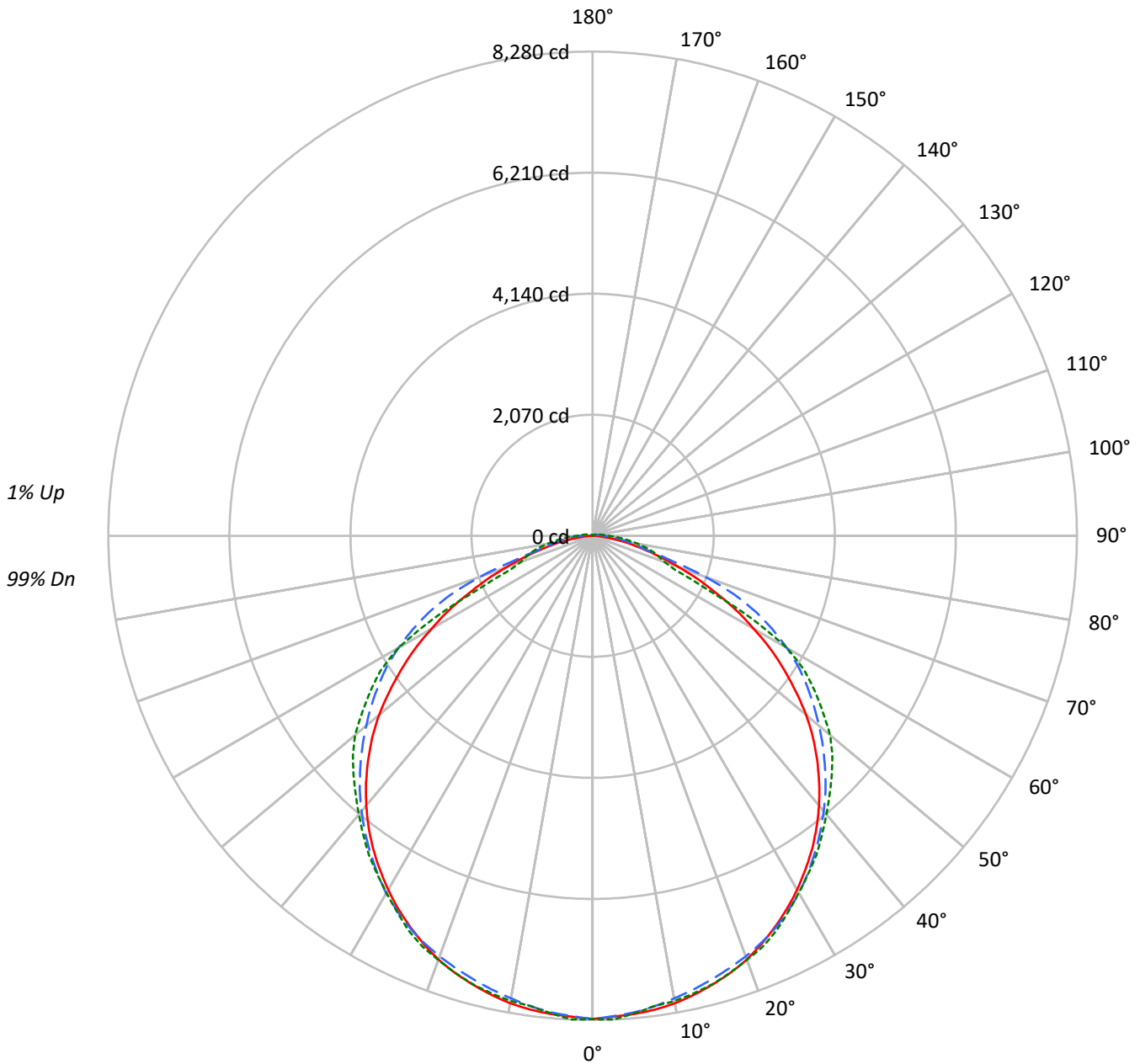
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23357.0 lumens
Efficiency: N/A
Efficacy: 169.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
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_{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									
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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101					99															
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86					83															
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72					70															
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61					59															
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53					51															
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46					44															
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40					38															
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36					34															
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32					30															
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29					27															
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14114	14114	14114
5°	14022	13903	13930
10°	13971	13686	13766
15°	13882	13523	13665
20°	13793	13417	13535
25°	13627	13311	13406
30°	13446	13147	13142
35°	13229	12890	12992
40°	12948	12625	12791
45°	12558	12318	12694
50°	12030	11970	12579
55°	11190	11626	12092
60°	10091	11126	11160
65°	8656	10209	7058
70°	6972	7953	5102
75°	5227	4707	5156
80°	3638	3895	4890
85°	2071	3537	4523



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	779.2	3.3
10°-20°	2234.4	9.6
20°-30°	3412.6	14.6
30°-40°	4140.6	17.7
40°-50°	4339.8	18.6
50°-60°	3932.5	16.8
60°-70°	2636.6	11.3
70°-80°	1183.9	5.1
80°-90°	429.6	1.8
90°-100°	129.3	0.6
100°-110°	61.0	0.3
110°-120°	30.6	0.1
120°-130°	16.9	0.1
130°-140°	11.6	0.0
140°-150°	7.8	0.0
150°-160°	5.8	0.0
160°-170°	3.7	0.0
170°-180°	1.2	0.0
0°-30°	6426.1	27.5
0°-40°	10566.7	45.2
0°-60°	18839.0	80.7
0°-90°	23089.1	98.9
90°-120°	220.9	0.9
90°-150°	257.2	1.1
90°-180°	268.0	1.1
0°-180°	23357.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8264	8264	8264	8264	8264	
5°	8210	8239	8181	8206	8196	781
15°	7944	7912	7856	7926	7935	2243
25°	7380	7347	7399	7467	7445	3402
35°	6541	6556	6623	6694	6667	4088
45°	5428	5517	5620	5763	5781	4182
55°	3994	4187	4472	4652	4641	3566
65°	2344	2711	3078	2598	2121	2336
75°	922	1338	985	1007	1073	1008
85°	159	305	391	472	495	194
90°	1	102	202	253	265	9
95°	1	63	139	168	173	2
105°	5	28	68	82	86	6
115°	10	14	35	44	47	9
125°	8	10	22	25	26	8
135°	11	12	13	19	20	9
145°	11	12	12	13	14	7
155°	12	13	13	13	12	6
165°	13	13	13	13	13	4
175°	13	13	12	11	11	1
180°	12	12	12	12	12	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8263.7	8263.7	8263.7	8263.7	8263.7
2.5°	8230.3	8264.9	8221.9	8268.5	8280.5
5°	8210.0	8238.6	8181.3	8206.4	8195.6
7.5°	8172.9	8182.5	8114.4	8134.7	8113.2
10°	8118.0	8113.2	8033.1	8072.5	8077.3
12.5°	8036.7	8022.4	7950.7	8010.4	8011.6
15°	7943.5	7912.4	7856.3	7925.6	7935.1
17.5°	7836.0	7795.3	7758.3	7847.9	7833.6
20°	7710.5	7662.7	7655.5	7753.5	7717.7
22.5°	7555.2	7518.1	7534.9	7628.1	7605.4
25°	7379.5	7347.3	7398.6	7466.7	7445.2
27.5°	7194.3	7175.2	7233.7	7286.3	7244.5
30°	6991.2	6980.4	7058.1	7101.1	7048.5
32.5°	6770.1	6773.7	6847.8	6906.4	6857.4
35°	6540.7	6556.3	6623.2	6693.7	6667.4
37.5°	6288.6	6323.3	6390.2	6470.2	6442.7
40°	6022.1	6072.3	6146.4	6243.2	6218.1
42.5°	5734.2	5797.5	5893.1	6000.6	5998.3
45°	5428.3	5516.7	5619.5	5762.9	5780.8
47.5°	5110.5	5209.6	5339.9	5531.1	5558.5
50°	4765.1	4889.4	5051.9	5281.3	5298.1
52.5°	4380.4	4550.1	4765.1	4985.0	4964.7
55°	3994.5	4186.8	4472.4	4651.6	4640.9
57.5°	3609.7	3826.0	4172.5	4300.3	4299.1
60°	3179.6	3453.2	3832.0	3928.7	3833.1
62.5°	2781.7	3075.6	3468.7	3398.2	3070.8
65°	2344.3	2711.2	3078.0	2597.6	2120.9
67.5°	1956.0	2338.4	2614.4	1779.2	1523.5
70°	1565.3	1987.1	2038.4	1320.3	1302.4
72.5°	1218.8	1668.0	1406.4	1130.3	1187.7
75°	922.4	1338.3	984.6	1007.3	1073.0
77.5°	672.7	1027.6	765.9	883.0	936.8
80°	462.4	727.7	624.9	742.0	779.1
82.5°	290.4	480.3	500.7	597.4	635.7
85°	158.9	304.7	390.7	472.0	494.7
87.5°	65.7	184.0	298.7	364.4	383.6
90°	1.2	101.6	201.9	253.3	265.3
92.5°	1.2	77.7	164.9	204.3	212.7
95°	1.2	63.3	138.6	168.5	173.3
97.5°	2.4	50.2	115.9	139.8	144.6
100°	3.6	41.8	96.8	117.1	120.7
102.5°	4.8	33.5	81.3	98.0	101.6
105°	4.8	27.5	68.1	82.4	86.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	8.4	16.7	40.6	51.4	53.8
115°	9.6	14.3	34.7	44.2	46.6
117.5°	9.6	11.9	29.9	37.0	39.4
120°	9.6	10.8	26.3	32.3	33.5
122.5°	9.6	9.6	22.7	28.7	29.9
125°	8.4	9.6	21.5	25.1	26.3
127.5°	9.6	9.6	19.1	22.7	23.9
130°	9.6	10.8	16.7	21.5	21.5
132.5°	10.8	11.9	15.5	20.3	20.3
135°	10.8	11.9	13.1	19.1	20.3
137.5°	11.9	11.9	11.9	17.9	19.1
140°	11.9	11.9	10.8	15.5	16.7
142.5°	10.8	11.9	10.8	14.3	15.5
145°	10.8	11.9	11.9	13.1	14.3
147.5°	11.9	11.9	11.9	11.9	13.1
150°	11.9	11.9	11.9	11.9	11.9
152.5°	11.9	11.9	11.9	11.9	11.9
155°	11.9	13.1	13.1	13.1	11.9
157.5°	11.9	13.1	13.1	13.1	13.1
160°	11.9	13.1	13.1	13.1	13.1
162.5°	13.1	13.1	13.1	13.1	13.1
165°	13.1	13.1	13.1	13.1	13.1
167.5°	13.1	14.3	13.1	13.1	13.1
170°	13.1	13.1	13.1	11.9	11.9
172.5°	13.1	13.1	13.1	11.9	11.9
175°	13.1	13.1	11.9	10.8	10.8
177.5°	14.3	13.1	11.9	10.8	9.6
180°	11.9	11.9	11.9	11.9	11.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.0	22.7	58.5	70.5	72.9
110°	7.2	19.1	49.0	59.7	62.1



(END OF REPORT)