

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: P830092

Luminaire Tested: **OHBL-24SE-A-UNV-L735-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830092
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-A-UNV-L735-CD
Description: 24000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

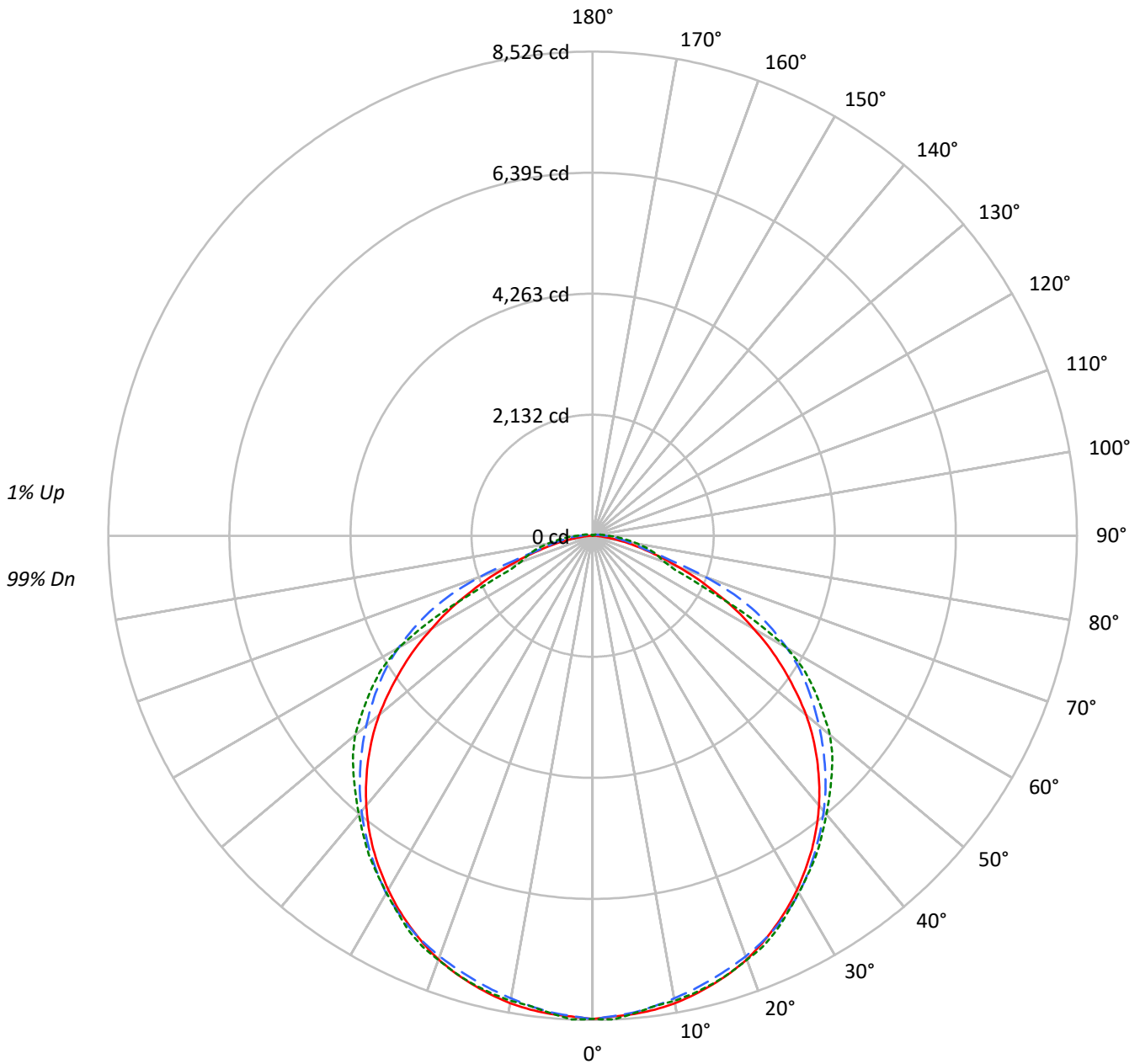
Lumens per Lamp: N/A
Luminaire Lumens: 24049.0 lumens
Efficiency: N/A
Efficacy: 174.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	14533	14533	14533
5°	14437	14315	14342
10°	14385	14092	14174
15°	14293	13923	14070
20°	14202	13815	13936
25°	14031	13705	13803
30°	13844	13536	13532
35°	13621	13272	13377
40°	13332	12999	13169
45°	12930	12683	13070
50°	12386	12325	12951
55°	11522	11970	12451
60°	10390	11456	11491
65°	8913	10511	7267
70°	7179	8189	5253
75°	5382	4847	5309
80°	3746	4011	5034
85°	2132	3642	4657



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.3	3.3
10°-20°	2300.6	9.6
20°-30°	3513.7	14.6
30°-40°	4263.3	17.7
40°-50°	4468.3	18.6
50°-60°	4049.0	16.8
60°-70°	2714.7	11.3
70°-80°	1219.0	5.1
80°-90°	442.4	1.8
90°-100°	133.2	0.6
100°-110°	62.8	0.3
110°-120°	31.5	0.1
120°-130°	17.4	0.1
130°-140°	11.9	0.0
140°-150°	8.0	0.0
150°-160°	6.0	0.0
160°-170°	3.8	0.0
170°-180°	1.2	0.0
0°-30°	6616.5	27.5
0°-40°	10879.8	45.2
0°-60°	19397.1	80.7
0°-90°	23773.2	98.9
90°-120°	227.5	0.9
90°-150°	264.8	1.1
90°-180°	276.0	1.1
0°-180°	24049.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8509	8509	8509	8509	8509	
5°	8453	8483	8424	8450	8438	804
15°	8179	8147	8089	8160	8170	2309
25°	7598	7565	7618	7688	7666	3502
35°	6734	6750	6819	6892	6865	4209
45°	5589	5680	5786	5934	5952	4306
55°	4113	4311	4605	4789	4778	3671
65°	2414	2792	3169	2675	2184	2405
75°	950	1378	1014	1037	1105	1038
85°	164	314	402	486	509	200
90°	1	105	208	261	273	10
95°	1	65	143	174	178	2
105°	5	28	70	85	89	6
115°	10	15	36	46	48	9
125°	9	10	22	26	27	9
135°	11	12	14	20	21	9
145°	11	12	12	14	15	7
155°	12	14	14	14	12	6
165°	14	14	14	14	14	4
175°	14	14	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°	8508.6	8508.6	8508.6	8508.6	8508.6
2.5°	8474.1	8509.8	8465.5	8513.5	8525.8
5°	8453.2	8482.7	8423.7	8449.5	8438.4
7.5°	8415.1	8424.9	8354.8	8375.7	8353.5
10°	8358.5	8353.5	8271.1	8311.7	8316.6
12.5°	8274.8	8260.0	8186.2	8247.7	8249.0
15°	8178.8	8146.9	8089.0	8160.4	8170.2
17.5°	8068.1	8026.3	7988.2	8080.4	8065.7
20°	7938.9	7889.7	7882.3	7983.2	7946.3
22.5°	7779.0	7740.9	7758.1	7854.1	7830.7
25°	7598.2	7564.9	7617.8	7688.0	7665.8
27.5°	7407.5	7387.8	7448.1	7502.2	7459.1
30°	7198.3	7187.2	7267.2	7311.5	7257.4
32.5°	6970.7	6974.4	7050.7	7111.0	7060.5
35°	6734.5	6750.5	6819.4	6892.0	6864.9
37.5°	6474.9	6510.6	6579.5	6661.9	6633.6
40°	6200.6	6252.2	6328.5	6428.2	6402.3
42.5°	5904.1	5969.3	6067.7	6178.4	6176.0
45°	5589.1	5680.2	5786.0	5933.6	5952.1
47.5°	5261.9	5364.0	5498.1	5694.9	5723.2
50°	4906.3	5034.3	5201.6	5437.8	5455.0
52.5°	4510.2	4684.9	4906.3	5132.7	5111.8
55°	4112.8	4310.9	4604.9	4789.4	4778.4
57.5°	3716.6	3939.3	4296.1	4427.7	4426.5
60°	3273.8	3555.5	3945.5	4045.1	3946.7
62.5°	2864.1	3166.7	3571.5	3498.9	3161.8
65°	2413.8	2791.5	3169.2	2674.6	2183.7
67.5°	2014.0	2407.6	2691.8	1831.9	1568.6
70°	1611.7	2045.9	2098.8	1359.4	1341.0
72.5°	1254.9	1717.5	1448.0	1163.8	1222.9
75°	949.8	1377.9	1013.7	1037.1	1104.8
77.5°	692.6	1058.0	788.6	909.2	964.5
80°	476.1	749.2	643.4	764.0	802.1
82.5°	299.0	494.6	515.5	615.1	654.5
85°	163.6	313.7	402.3	486.0	509.3
87.5°	67.7	189.5	307.6	375.2	394.9
90°	1.2	104.6	207.9	260.8	273.1
92.5°	1.2	80.0	169.8	210.4	219.0
95°	1.2	65.2	142.7	173.5	178.4
97.5°	2.5	51.7	119.3	143.9	148.9
100°	3.7	43.1	99.7	120.6	124.3
102.5°	4.9	34.4	83.7	100.9	104.6
105°	4.9	28.3	70.1	84.9	88.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	8.6	17.2	41.8	52.9	55.4
115°	9.8	14.8	35.7	45.5	48.0
117.5°	9.8	12.3	30.8	38.1	40.6
120°	9.8	11.1	27.1	33.2	34.4
122.5°	9.8	9.8	23.4	29.5	30.8
125°	8.6	9.8	22.1	25.8	27.1
127.5°	9.8	9.8	19.7	23.4	24.6
130°	9.8	11.1	17.2	22.1	22.1
132.5°	11.1	12.3	16.0	20.9	20.9
135°	11.1	12.3	13.5	19.7	20.9
137.5°	12.3	12.3	12.3	18.5	19.7
140°	12.3	12.3	11.1	16.0	17.2
142.5°	11.1	12.3	11.1	14.8	16.0
145°	11.1	12.3	12.3	13.5	14.8
147.5°	12.3	12.3	12.3	12.3	13.5
150°	12.3	12.3	12.3	12.3	12.3
152.5°	12.3	12.3	12.3	12.3	12.3
155°	12.3	13.5	13.5	13.5	12.3
157.5°	12.3	13.5	13.5	13.5	13.5
160°	12.3	13.5	13.5	13.5	13.5
162.5°	13.5	13.5	13.5	13.5	13.5
165°	13.5	13.5	13.5	13.5	13.5
167.5°	13.5	14.8	13.5	13.5	13.5
170°	13.5	13.5	13.5	12.3	12.3
172.5°	13.5	13.5	13.5	12.3	12.3
175°	13.5	13.5	12.3	11.1	11.1
177.5°	14.8	13.5	12.3	11.1	9.8
180°	12.3	12.3	12.3	12.3	12.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.2	23.4	60.3	72.6	75.0
110°	7.4	19.7	50.4	61.5	64.0



(END OF REPORT)