

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: P830152

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24SE-W-UNV-L735-CD
Description: 24000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

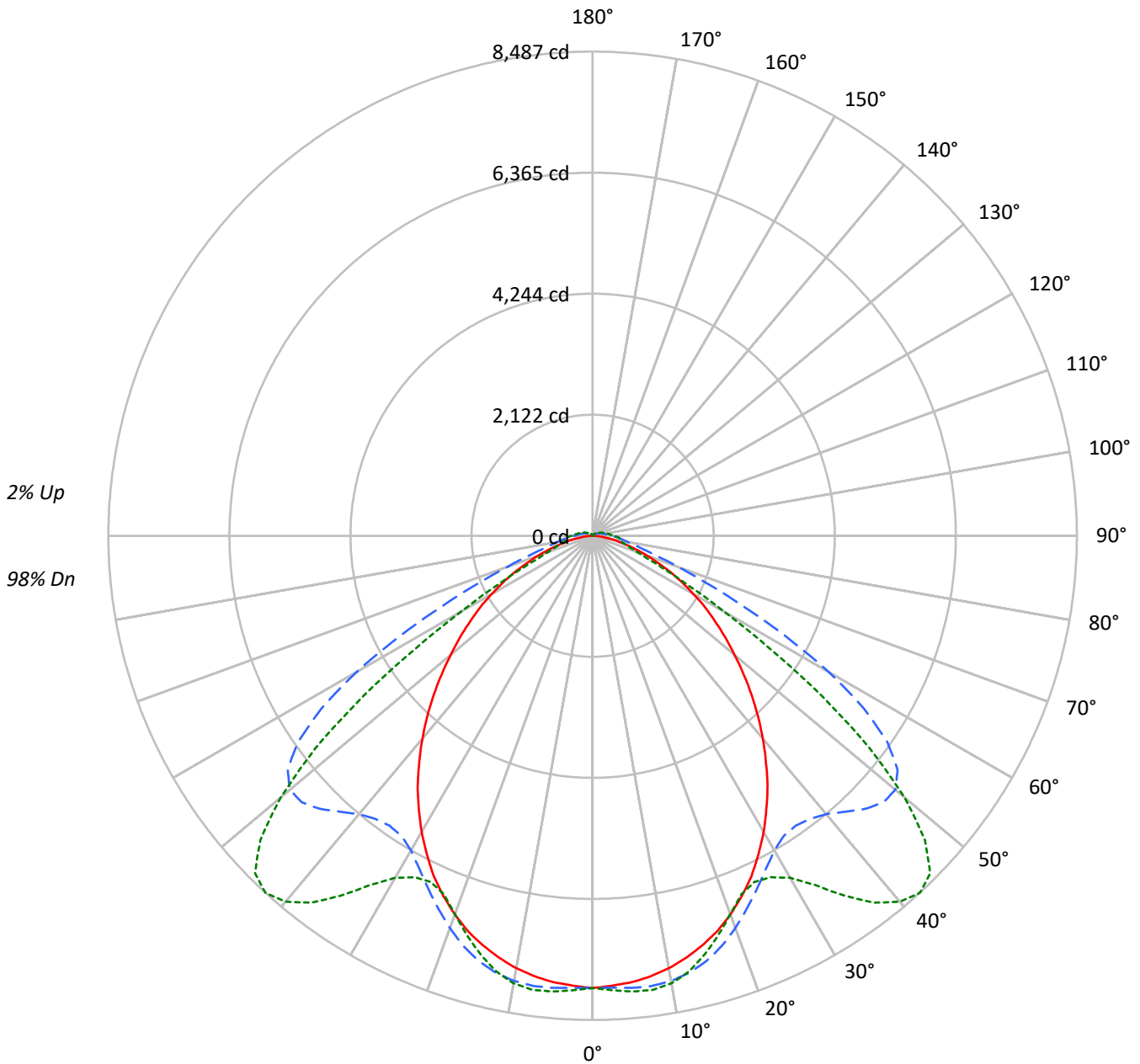
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23737.0 lumens
Efficiency: N/A
Efficacy: 172.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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				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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13540	13540	13540
5°	13414	13522	13628
10°	13246	13501	13578
15°	12988	13278	13078
20°	12634	12821	12373
25°	12160	12269	12060
30°	11530	11858	12903
35°	10811	12077	15005
40°	9977	13079	17225
45°	9105	14836	18369
50°	8195	16405	16938
55°	7341	16384	12799
60°	6470	13861	7719
65°	5551	9570	4593
70°	4510	6186	3236
75°	3431	4432	2893
80°	2463	3892	3070
85°	1672	4274	4269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.6	3.2
10°-20°	2145.3	9.0
20°-30°	3139.2	13.2
30°-40°	4076.9	17.2
40°-50°	4978.4	21.0
50°-60°	4384.3	18.5
60°-70°	2284.7	9.6
70°-80°	979.7	4.1
80°-90°	470.5	2.0
90°-100°	221.1	0.9
100°-110°	137.4	0.6
110°-120°	81.2	0.3
120°-130°	44.2	0.2
130°-140°	22.2	0.1
140°-150°	10.7	0.0
150°-160°	3.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6042.0	25.5
0°-40°	10118.9	42.6
0°-60°	19481.6	82.1
0°-90°	23216.6	97.8
90°-120°	439.7	1.9
90°-150°	516.7	2.2
90°-180°	520.0	2.2
0°-180°	23737.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7928	7928	7928	7928	7928	
5°	7854	7914	7957	8027	8018	745
15°	7432	7640	7714	7656	7594	2093
25°	6585	6937	6819	6691	6698	3022
35°	5345	5909	6205	7237	7700	3331
45°	3936	4952	6768	8194	8366	3035
55°	2620	4338	6303	5526	4912	2352
65°	1503	3005	2886	1604	1380	1487
75°	606	1406	927	635	602	660
85°	128	501	472	462	467	143
90°	2	181	311	356	364	9
95°	3	106	248	291	299	3
105°	7	60	161	193	197	7
115°	10	34	99	121	125	11
125°	12	17	58	75	77	10
135°	10	10	27	46	48	8
145°	14	10	12	22	26	8
155°	14	14	10	10	10	4
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°	7927.7	7927.7	7927.7	7927.7	7927.7
2.5°	7893.5	7927.7	7929.4	7977.3	7972.2
5°	7854.2	7914.0	7956.8	8026.9	8018.4
7.5°	7789.2	7883.3	7958.5	8035.5	8028.6
10°	7696.8	7825.1	7924.3	7987.6	7967.1
12.5°	7577.1	7746.4	7843.9	7857.6	7818.3
15°	7431.7	7640.4	7713.9	7655.8	7594.2
17.5°	7267.5	7512.1	7537.8	7411.2	7334.2
20°	7062.3	7341.1	7315.4	7140.9	7055.4
22.5°	6834.8	7152.9	7070.8	6887.8	6805.7
25°	6585.1	6937.4	6819.4	6691.1	6697.9
27.5°	6292.6	6692.8	6578.2	6636.4	6745.8
30°	5995.0	6436.3	6366.1	6704.8	6920.3
32.5°	5668.3	6172.8	6236.1	6904.9	7257.2
35°	5345.0	5909.4	6205.3	7236.7	7700.2
37.5°	4987.5	5642.6	6254.9	7619.9	8105.6
40°	4640.3	5382.6	6367.8	7963.6	8374.1
42.5°	4286.3	5150.0	6557.7	8167.2	8487.0
45°	3935.6	4951.6	6768.1	8194.5	8365.6
47.5°	3585.0	4784.0	6913.5	7977.3	7898.6
50°	3246.3	4635.2	6923.7	7455.7	7134.1
52.5°	2929.9	4498.4	6735.6	6624.4	6125.0
55°	2620.3	4337.6	6302.8	5526.3	4912.3
57.5°	2338.1	4115.2	5635.8	4346.1	3675.7
60°	2038.8	3814.2	4773.7	3179.6	2651.1
62.5°	1763.4	3439.6	3807.4	2213.3	1905.4
65°	1503.4	3005.2	2885.5	1604.4	1380.3
67.5°	1228.1	2555.3	2129.5	1169.9	1026.2
70°	1012.6	2138.0	1585.5	909.9	826.1
72.5°	791.9	1741.2	1185.3	738.9	692.7
75°	605.5	1406.0	927.0	634.6	602.1
77.5°	446.4	1111.8	745.7	561.0	530.2
80°	313.0	875.7	624.3	501.1	489.2
82.5°	210.4	677.3	531.9	477.2	478.9
85°	128.3	501.1	472.1	461.8	466.9
87.5°	61.6	355.8	405.4	420.8	425.9
90°	1.7	181.3	311.3	355.8	364.3
92.5°	0.0	138.5	273.7	318.1	326.7
95°	3.4	106.0	248.0	290.8	299.3
97.5°	3.4	87.2	222.4	266.8	272.0
100°	5.1	75.3	198.4	241.2	246.3
102.5°	5.1	66.7	177.9	215.5	218.9
105°	6.8	59.9	160.8	193.3	196.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.3	41.0	112.9	136.8	140.3
115°	10.3	34.2	99.2	121.4	124.9
117.5°	12.0	30.8	87.2	107.8	109.5
120°	12.0	25.7	75.3	95.8	97.5
122.5°	12.0	20.5	66.7	85.5	87.2
125°	12.0	17.1	58.2	75.3	77.0
127.5°	10.3	12.0	49.6	66.7	68.4
130°	10.3	10.3	41.0	58.2	61.6
132.5°	10.3	10.3	34.2	51.3	54.7
135°	10.3	10.3	27.4	46.2	47.9
137.5°	10.3	10.3	22.2	39.3	42.8
140°	10.3	10.3	17.1	34.2	35.9
142.5°	12.0	10.3	15.4	29.1	30.8
145°	13.7	10.3	12.0	22.2	25.7
147.5°	13.7	12.0	12.0	18.8	20.5
150°	13.7	13.7	10.3	13.7	17.1
152.5°	13.7	13.7	10.3	10.3	13.7
155°	13.7	13.7	10.3	10.3	10.3
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°	8.6	53.0	143.7	172.8	176.2
110°	8.6	46.2	126.6	153.9	157.4



(END OF REPORT)