

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: P830523

Luminaire Tested: **OHBL-48SE-A-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830523
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-48SE-A-UNV-L730-CD
Description: 48000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

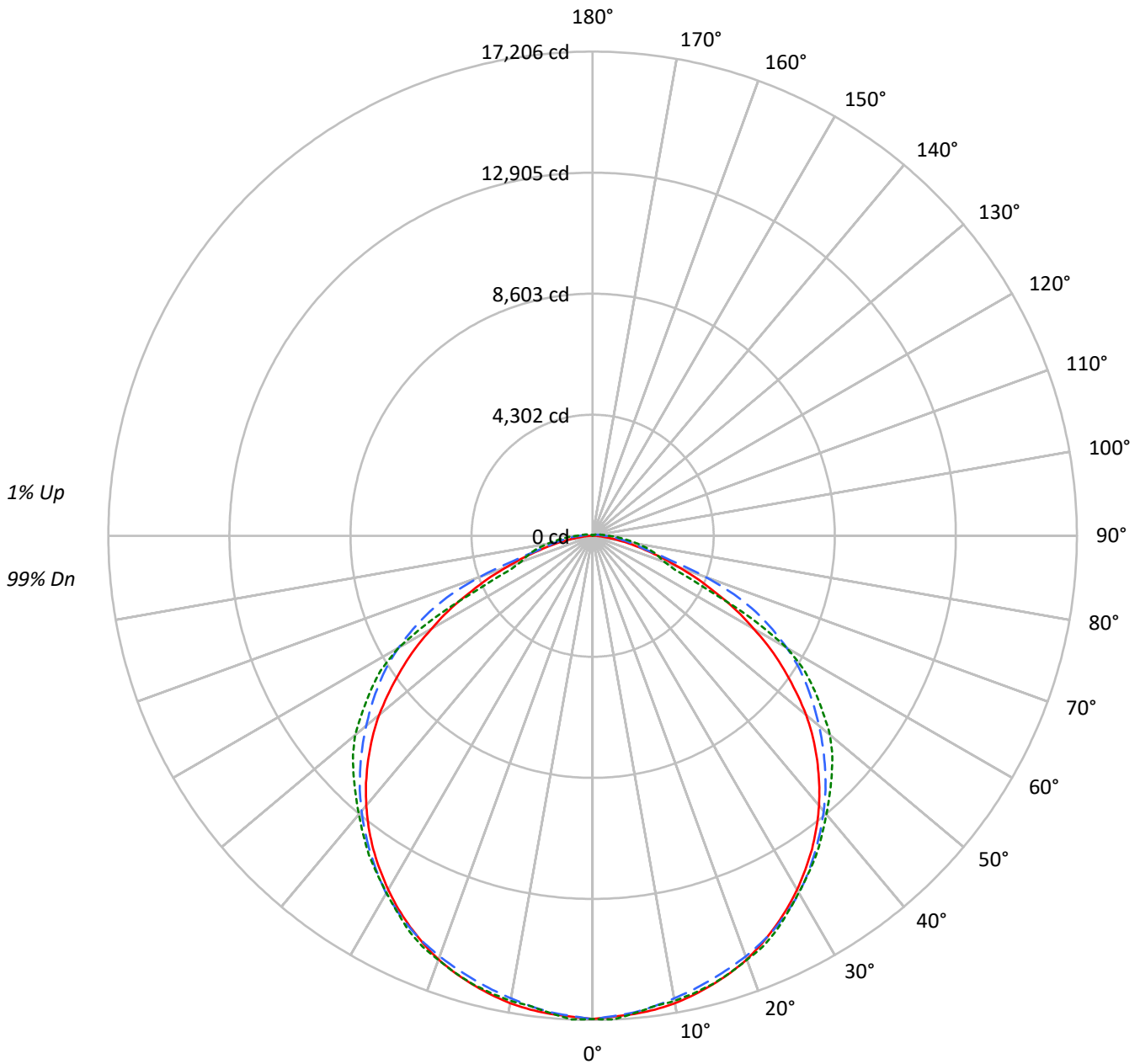
Lumens per Lamp: N/A
Luminaire Lumens: 48534.0 lumens
Efficiency: N/A
Efficacy: 168.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 288.8
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	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°	29329	29329	29329
5°	29137	28889	28945
10°	29030	28439	28605
15°	28846	28099	28395
20°	28661	27880	28125
25°	28316	27659	27856
30°	27939	27318	27309
35°	27490	26785	26997
40°	26905	26233	26578
45°	26095	25597	26376
50°	24997	24873	26137
55°	23252	24158	25127
60°	20968	23119	23191
65°	17987	21213	14665
70°	14488	16526	10601
75°	10862	9781	10714
80°	7561	8094	10160
85°	4303	7350	9399



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1619.1	3.3
10°-20°	4642.8	9.6
20°-30°	7091.0	14.6
30°-40°	8603.9	17.7
40°-50°	9017.7	18.6
50°-60°	8171.4	16.8
60°-70°	5478.6	11.3
70°-80°	2460.1	5.1
80°-90°	892.7	1.8
90°-100°	268.7	0.6
100°-110°	126.8	0.3
110°-120°	63.5	0.1
120°-130°	35.1	0.1
130°-140°	24.1	0.0
140°-150°	16.2	0.0
150°-160°	12.0	0.0
160°-170°	7.7	0.0
170°-180°	2.5	0.0
0°-30°	13353.0	27.5
0°-40°	21956.8	45.2
0°-60°	39145.9	80.7
0°-90°	47977.3	98.9
90°-120°	459.1	0.9
90°-150°	534.4	1.1
90°-180°	557.0	1.1
0°-180°	48534.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17171	17171	17171	17171	17171	
5°	17060	17119	17000	17052	17030	###
15°	16506	16441	16325	16469	16489	4660
25°	15334	15267	15374	15515	15471	7068
35°	13591	13623	13762	13909	13854	8495
45°	11280	11463	11677	11975	12012	8689
55°	8300	8700	9293	9666	9643	7409
65°	4871	5634	6396	5398	4407	4854
75°	1917	2781	2046	2093	2230	2095
85°	330	633	812	981	1028	403
90°	2	211	420	526	551	20
95°	2	132	288	350	360	3
105°	10	57	142	171	179	11
115°	20	30	72	92	97	18
125°	17	20	45	52	55	17
135°	22	25	27	40	42	18
145°	22	25	25	27	30	15
155°	25	27	27	27	25	11
165°	27	27	27	27	27	8
175°	27	27	25	22	22	3
180°	25	25	25	25	25	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17171.4	17171.4	17171.4	17171.4	17171.4
2.5°	17101.9	17173.9	17084.5	17181.3	17206.1
5°	17059.6	17119.2	17000.1	17052.2	17029.8
7.5°	16982.7	17002.5	16861.0	16903.2	16858.5
10°	16868.5	16858.5	16692.2	16774.1	16784.0
12.5°	16699.6	16669.8	16520.9	16645.0	16647.5
15°	16506.0	16441.4	16324.7	16468.7	16488.6
17.5°	16282.5	16198.1	16121.1	16307.3	16277.5
20°	16021.8	15922.5	15907.6	16111.2	16036.7
22.5°	15699.0	15622.1	15656.8	15850.5	15803.3
25°	15334.1	15267.0	15373.8	15515.3	15470.6
27.5°	14949.2	14909.5	15031.2	15140.4	15053.5
30°	14527.1	14504.8	14666.2	14755.6	14646.3
32.5°	14067.8	14075.3	14229.2	14350.9	14249.1
35°	13591.1	13623.4	13762.4	13908.9	13854.3
37.5°	13067.2	13139.2	13278.3	13444.6	13387.5
40°	12513.5	12617.8	12771.8	12972.9	12920.7
42.5°	11915.2	12046.8	12245.4	12468.9	12463.9
45°	11279.6	11463.3	11676.8	11974.8	12012.0
47.5°	10619.1	10825.2	11095.8	11493.1	11550.2
50°	9901.6	10159.8	10497.5	10974.2	11008.9
52.5°	9102.1	9454.7	9901.6	10358.4	10316.2
55°	8300.2	8699.9	9293.3	9665.7	9643.4
57.5°	7500.7	7950.1	8670.1	8935.8	8933.3
60°	6606.9	7175.4	7962.5	8163.6	7965.0
62.5°	5780.1	6390.8	7207.7	7061.2	6380.9
65°	4871.3	5633.6	6395.8	5397.7	4407.1
67.5°	4064.4	4858.9	5432.5	3697.0	3165.6
70°	3252.5	4129.0	4235.7	2743.5	2706.3
72.5°	2532.5	3466.1	2922.3	2348.8	2467.9
75°	1916.8	2780.8	2045.9	2093.0	2229.6
77.5°	1397.8	2135.2	1591.5	1834.8	1946.6
80°	960.9	1512.1	1298.5	1541.8	1618.8
82.5°	603.3	998.1	1040.3	1241.4	1320.9
85°	330.2	633.1	811.9	980.7	1027.9
87.5°	136.6	382.4	620.7	757.3	797.0
90°	2.5	211.0	419.6	526.4	551.2
92.5°	2.5	161.4	342.6	424.6	441.9
95°	2.5	131.6	288.0	350.1	360.0
97.5°	5.0	104.3	240.8	290.5	300.4
100°	7.4	86.9	201.1	243.3	250.8
102.5°	9.9	69.5	168.8	203.6	211.0
105°	9.9	57.1	141.5	171.3	178.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	17.4	34.8	84.4	106.8	111.7
115°	19.9	29.8	72.0	91.9	96.8
117.5°	19.9	24.8	62.1	77.0	81.9
120°	19.9	22.3	54.6	67.0	69.5
122.5°	19.9	19.9	47.2	59.6	62.1
125°	17.4	19.9	44.7	52.1	54.6
127.5°	19.9	19.9	39.7	47.2	49.7
130°	19.9	22.3	34.8	44.7	44.7
132.5°	22.3	24.8	32.3	42.2	42.2
135°	22.3	24.8	27.3	39.7	42.2
137.5°	24.8	24.8	24.8	37.2	39.7
140°	24.8	24.8	22.3	32.3	34.8
142.5°	22.3	24.8	22.3	29.8	32.3
145°	22.3	24.8	24.8	27.3	29.8
147.5°	24.8	24.8	24.8	24.8	27.3
150°	24.8	24.8	24.8	24.8	24.8
152.5°	24.8	24.8	24.8	24.8	24.8
155°	24.8	27.3	27.3	27.3	24.8
157.5°	24.8	27.3	27.3	27.3	27.3
160°	24.8	27.3	27.3	27.3	27.3
162.5°	27.3	27.3	27.3	27.3	27.3
165°	27.3	27.3	27.3	27.3	27.3
167.5°	27.3	29.8	27.3	27.3	27.3
170°	27.3	27.3	27.3	24.8	24.8
172.5°	27.3	27.3	27.3	24.8	24.8
175°	27.3	27.3	24.8	22.3	22.3
177.5°	29.8	27.3	24.8	22.3	19.9
180°	24.8	24.8	24.8	24.8	24.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	12.4	47.2	121.7	146.5	151.5
110°	14.9	39.7	101.8	124.1	129.1



(END OF REPORT)