

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: P830747

Luminaire Tested: **OHBL-72SE-A-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830747
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-72SE-A-UNV-L930-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

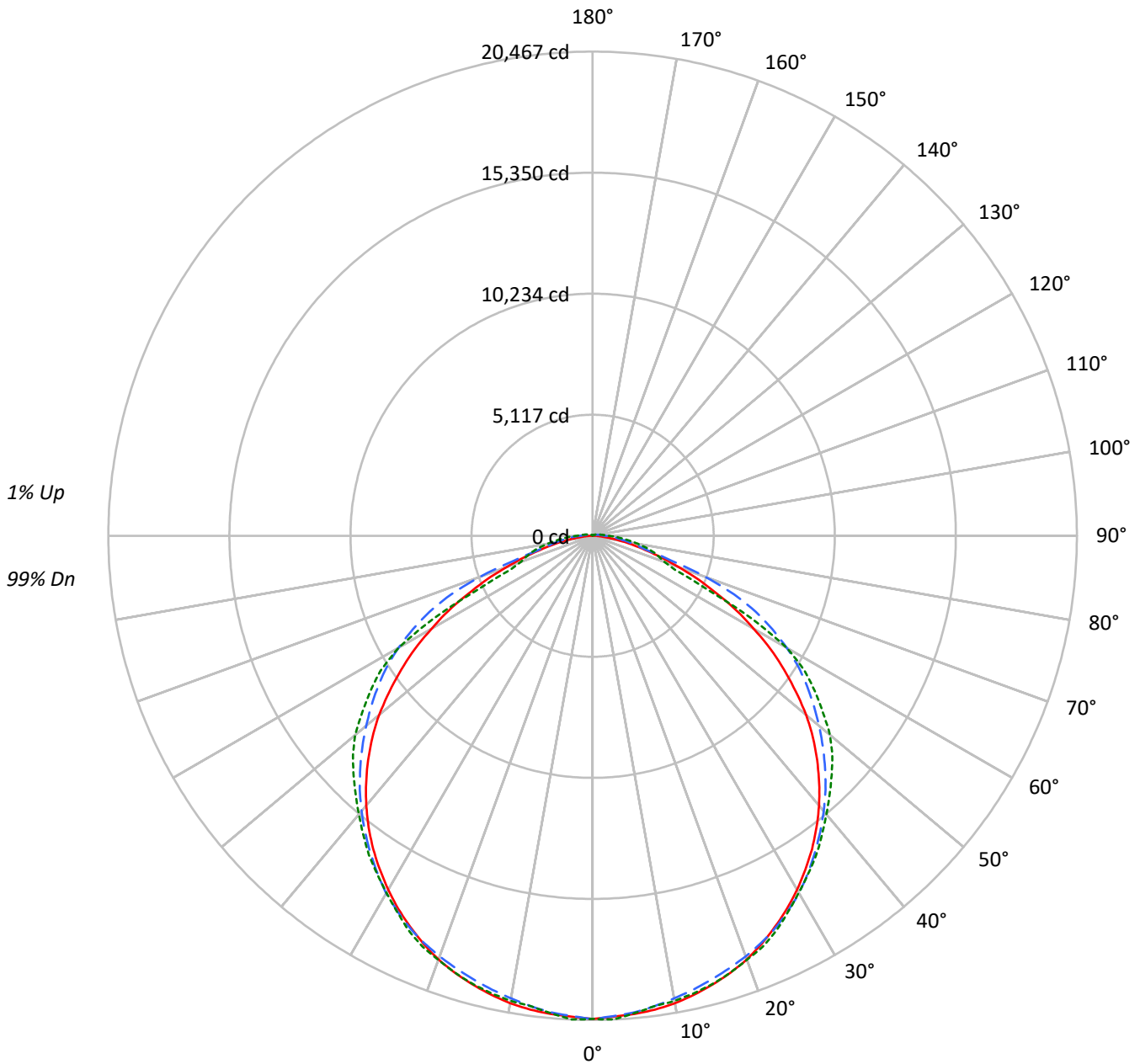
Lumens per Lamp: N/A
Luminaire Lumens: 57732.0 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 413.7
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°	32303	32303	32303
5°	32091	31833	31900
10°	31974	31351	31546
15°	31771	30991	31335
20°	31568	30764	31057
25°	31187	30535	30783
30°	30773	30174	30200
35°	30277	29602	29879
40°	29634	29011	29442
45°	28741	28327	29248
50°	27532	27549	29016
55°	25610	26783	27933
60°	23094	25662	25825
65°	19811	23581	16367
70°	15957	18409	11866
75°	11963	10928	12043
80°	8328	9086	11498
85°	4739	8326	10778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1926.0	3.3
10°-20°	5522.7	9.6
20°-30°	8434.9	14.6
30°-40°	10234.4	17.7
40°-50°	10726.7	18.6
50°-60°	9720.0	16.8
60°-70°	6516.9	11.3
70°-80°	2926.4	5.1
80°-90°	1061.9	1.8
90°-100°	319.6	0.6
100°-110°	150.8	0.3
110°-120°	75.6	0.1
120°-130°	41.7	0.1
130°-140°	28.7	0.0
140°-150°	19.3	0.0
150°-160°	14.3	0.0
160°-170°	9.2	0.0
170°-180°	2.9	0.0
0°-30°	15883.6	27.5
0°-40°	26118.0	45.2
0°-60°	46564.7	80.7
0°-90°	57069.8	98.9
90°-120°	546.0	0.9
90°-150°	635.7	1.1
90°-180°	662.0	1.1
0°-180°	57732.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20426	20426	20426	20426	20426	
5°	20293	20364	20222	20284	20257	###
15°	19634	19557	19418	19590	19613	5544
25°	18240	18160	18287	18456	18403	8408
35°	16167	16205	16371	16545	16480	10105
45°	13417	13636	13890	14244	14288	10336
55°	9873	10349	11054	11498	11471	8813
65°	5794	6701	7608	6421	5242	5774
75°	2280	3308	2434	2490	2652	2492
85°	393	753	966	1167	1223	479
90°	3	251	499	626	656	23
95°	3	156	343	416	428	4
105°	12	68	168	204	213	14
115°	24	35	86	109	115	22
125°	21	24	53	62	65	21
135°	27	30	32	47	50	21
145°	27	30	30	32	35	18
155°	30	32	32	32	30	14
165°	32	32	32	32	32	9
175°	32	32	30	27	27	3
180°	30	30	30	30	30	



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CATALOG NUMBER: OHBL-72SE-A-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20425.6	20425.6	20425.6	20425.6	20425.6
2.5°	20342.9	20428.6	20322.3	20437.4	20467.0
5°	20292.7	20363.6	20221.8	20283.9	20257.3
7.5°	20201.2	20224.8	20056.5	20106.7	20053.5
10°	20065.3	20053.5	19855.6	19953.1	19964.9
12.5°	19864.5	19829.0	19651.8	19799.5	19802.5
15°	19634.1	19557.3	19418.5	19589.8	19613.4
17.5°	19368.3	19267.9	19176.3	19397.9	19362.4
20°	19058.2	18940.1	18922.4	19164.5	19075.9
22.5°	18674.3	18582.7	18624.1	18854.4	18798.3
25°	18240.1	18160.4	18287.4	18455.7	18402.6
27.5°	17782.3	17735.1	17879.8	18009.8	17906.4
30°	17280.3	17253.7	17445.7	17552.0	17422.0
32.5°	16733.9	16742.8	16925.9	17070.6	16949.5
35°	16166.8	16205.2	16370.6	16544.9	16479.9
37.5°	15543.7	15629.3	15794.7	15992.6	15924.7
40°	14885.1	15009.1	15192.2	15431.5	15369.4
42.5°	14173.3	14329.8	14566.1	14831.9	14826.0
45°	13417.2	13635.8	13889.8	14244.2	14288.5
47.5°	12631.6	12876.8	13198.7	13671.2	13739.2
50°	11778.1	12085.3	12486.9	13054.0	13095.3
52.5°	10827.1	11246.5	11778.1	12321.5	12271.3
55°	9873.2	10348.7	11054.5	11497.5	11471.0
57.5°	8922.2	9456.7	10313.2	10629.2	10626.3
60°	7859.0	8535.3	9471.5	9710.7	9474.5
62.5°	6875.5	7602.0	8573.7	8399.4	7590.2
65°	5794.5	6701.2	7607.9	6420.7	5242.3
67.5°	4834.7	5779.8	6462.0	4397.6	3765.6
70°	3868.9	4911.5	5038.5	3263.5	3219.2
72.5°	3012.5	4122.9	3476.1	2793.9	2935.7
75°	2280.0	3307.8	2433.6	2489.7	2652.1
77.5°	1662.8	2539.9	1893.1	2182.6	2315.5
80°	1143.0	1798.6	1544.6	1834.1	1925.6
82.5°	717.7	1187.3	1237.5	1476.7	1571.2
85°	392.8	753.1	965.8	1166.6	1222.7
87.5°	162.4	454.8	738.3	900.8	948.0
90°	3.0	251.0	499.1	626.1	655.7
92.5°	3.0	192.0	407.6	505.0	525.7
95°	3.0	156.5	342.6	416.4	428.2
97.5°	5.9	124.0	286.5	345.5	357.4
100°	8.9	103.4	239.2	289.4	298.3
102.5°	11.8	82.7	200.8	242.2	251.0
105°	11.8	67.9	168.3	203.8	212.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	20.7	41.3	100.4	127.0	132.9
115°	23.6	35.4	85.6	109.3	115.2
117.5°	23.6	29.5	73.8	91.6	97.5
120°	23.6	26.6	65.0	79.7	82.7
122.5°	23.6	23.6	56.1	70.9	73.8
125°	20.7	23.6	53.2	62.0	65.0
127.5°	23.6	23.6	47.3	56.1	59.1
130°	23.6	26.6	41.3	53.2	53.2
132.5°	26.6	29.5	38.4	50.2	50.2
135°	26.6	29.5	32.5	47.3	50.2
137.5°	29.5	29.5	29.5	44.3	47.3
140°	29.5	29.5	26.6	38.4	41.3
142.5°	26.6	29.5	26.6	35.4	38.4
145°	26.6	29.5	29.5	32.5	35.4
147.5°	29.5	29.5	29.5	29.5	32.5
150°	29.5	29.5	29.5	29.5	29.5
152.5°	29.5	29.5	29.5	29.5	29.5
155°	29.5	32.5	32.5	32.5	29.5
157.5°	29.5	32.5	32.5	32.5	32.5
160°	29.5	32.5	32.5	32.5	32.5
162.5°	32.5	32.5	32.5	32.5	32.5
165°	32.5	32.5	32.5	32.5	32.5
167.5°	32.5	35.4	32.5	32.5	32.5
170°	32.5	32.5	32.5	29.5	29.5
172.5°	32.5	32.5	32.5	29.5	29.5
175°	32.5	32.5	29.5	26.6	26.6
177.5°	35.4	32.5	29.5	26.6	23.6
180°	29.5	29.5	29.5	29.5	29.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	14.8	56.1	144.7	174.2	180.2
110°	17.7	47.3	121.1	147.7	153.6



(END OF REPORT)