

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: P830749

Luminaire Tested: **OHBL-72SE-A-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830749
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-L940-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

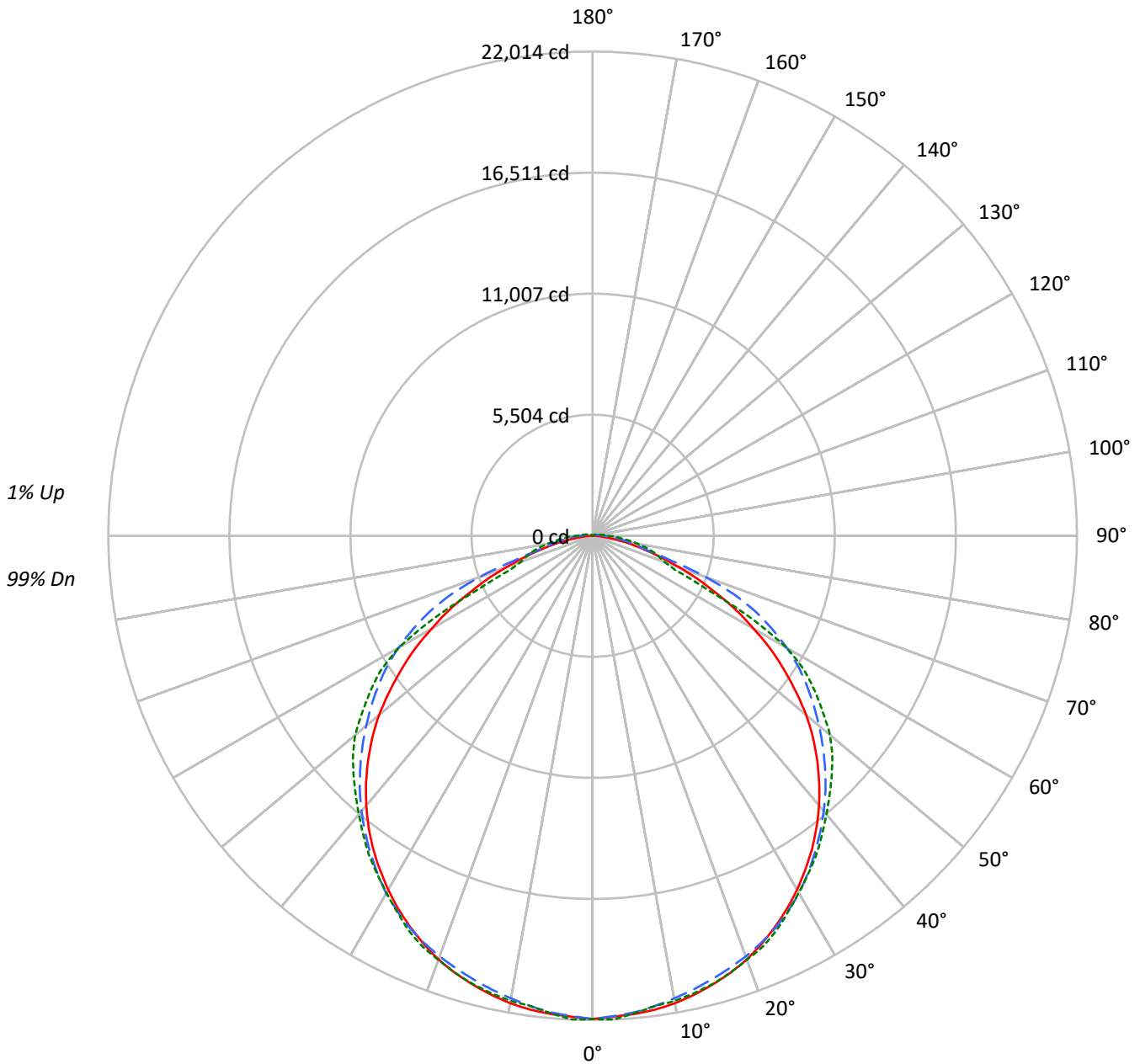
Lumens per Lamp: N/A
Luminaire Lumens: 62096.0 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	34744	34744	34744
5°	34517	34240	34312
10°	34391	33721	33931
15°	34173	33333	33703
20°	33954	33089	33405
25°	33545	32843	33109
30°	33099	32455	32483
35°	32566	31840	32137
40°	31873	31204	31667
45°	30914	30468	31459
50°	29613	29631	31210
55°	27546	28807	30045
60°	24840	27602	27777
65°	21308	25364	17604
70°	17163	19800	12763
75°	12868	11754	12953
80°	8957	9773	12367
85°	5098	8955	11592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2071.5	3.3
10°-20°	5940.2	9.6
20°-30°	9072.5	14.6
30°-40°	11008.1	17.7
40°-50°	11537.5	18.6
50°-60°	10454.7	16.8
60°-70°	7009.5	11.3
70°-80°	3147.6	5.1
80°-90°	1142.2	1.8
90°-100°	343.8	0.6
100°-110°	162.2	0.3
110°-120°	81.3	0.1
120°-130°	44.9	0.1
130°-140°	30.8	0.0
140°-150°	20.7	0.0
150°-160°	15.4	0.0
160°-170°	9.9	0.0
170°-180°	3.1	0.0
0°-30°	17084.2	27.5
0°-40°	28092.3	45.2
0°-60°	50084.5	80.7
0°-90°	61383.8	98.9
90°-120°	587.3	0.9
90°-150°	683.8	1.1
90°-180°	712.0	1.1
0°-180°	62096.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21970	21970	21970	21970	21970	
5°	21827	21903	21750	21817	21788	###
15°	21118	21036	20886	21071	21096	5963
25°	19619	19533	19670	19851	19794	9043
35°	17389	17430	17608	17796	17726	10869
45°	14432	14666	14940	15321	15369	11117
55°	10620	11131	11890	12367	12338	9479
65°	6233	7208	8183	6906	5638	6210
75°	2452	3558	2618	2678	2853	2680
85°	422	810	1039	1255	1315	516
90°	3	270	537	673	705	25
95°	3	168	368	448	461	4
105°	13	73	181	219	229	15
115°	25	38	92	118	124	24
125°	22	25	57	67	70	22
135°	29	32	35	51	54	23
145°	29	32	32	35	38	19
155°	32	35	35	35	32	15
165°	35	35	35	35	35	10
175°	35	35	32	29	29	3
180°	32	32	32	32	32	



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CATALOG NUMBER: OHBL-72SE-A-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21969.6	21969.6	21969.6	21969.6	21969.6
2.5°	21880.7	21972.8	21858.4	21982.3	22014.1
5°	21826.7	21902.9	21750.4	21817.1	21788.5
7.5°	21728.2	21753.6	21572.5	21626.5	21569.4
10°	21582.1	21569.4	21356.5	21461.4	21474.1
12.5°	21366.1	21327.9	21137.3	21296.2	21299.3
15°	21118.3	21035.7	20886.4	21070.6	21096.0
17.5°	20832.4	20724.4	20625.9	20864.1	20826.0
20°	20498.8	20371.8	20352.7	20613.2	20517.9
22.5°	20085.9	19987.4	20031.9	20279.6	20219.3
25°	19618.9	19533.1	19669.7	19850.8	19793.6
27.5°	19126.5	19075.7	19231.4	19371.1	19259.9
30°	18586.5	18557.9	18764.4	18878.8	18739.0
32.5°	17998.8	18008.4	18205.3	18361.0	18230.7
35°	17388.9	17430.2	17608.1	17795.5	17725.6
37.5°	16718.6	16810.8	16988.7	17201.5	17128.4
40°	16010.2	16143.7	16340.6	16597.9	16531.2
42.5°	15244.7	15413.0	15667.2	15953.1	15946.7
45°	14431.5	14666.5	14939.7	15320.9	15368.6
47.5°	13586.5	13850.1	14196.4	14704.6	14777.7
50°	12668.4	12998.8	13430.8	14040.7	14085.2
52.5°	11645.5	12096.6	12668.4	13252.9	13198.9
55°	10619.5	11130.9	11890.1	12366.6	12338.1
57.5°	9596.6	10171.6	11092.8	11432.7	11429.5
60°	8453.0	9180.5	10187.5	10444.8	10190.6
62.5°	7395.2	8176.7	9221.8	9034.4	8164.0
65°	6232.6	7207.8	8183.0	6906.0	5638.5
67.5°	5200.2	6216.7	6950.5	4730.0	4050.2
70°	4161.4	5282.7	5419.3	3510.2	3462.5
72.5°	3240.2	4434.6	3738.9	3005.1	3157.6
75°	2452.4	3557.8	2617.5	2677.9	2852.6
77.5°	1788.4	2731.9	2036.2	2347.5	2490.5
80°	1229.4	1934.6	1661.4	1972.7	2071.2
82.5°	771.9	1277.0	1331.0	1588.3	1690.0
85°	422.5	810.0	1038.8	1254.8	1315.1
87.5°	174.7	489.2	794.2	968.9	1019.7
90°	3.2	270.0	536.9	673.4	705.2
92.5°	3.2	206.5	438.4	543.2	565.4
95°	3.2	168.4	368.5	447.9	460.6
97.5°	6.4	133.4	308.1	371.7	384.4
100°	9.5	111.2	257.3	311.3	320.8
102.5°	12.7	88.9	216.0	260.5	270.0
105°	12.7	73.1	181.1	219.2	228.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.2	44.5	108.0	136.6	142.9
115°	25.4	38.1	92.1	117.5	123.9
117.5°	25.4	31.8	79.4	98.5	104.8
120°	25.4	28.6	69.9	85.8	88.9
122.5°	25.4	25.4	60.4	76.2	79.4
125°	22.2	25.4	57.2	66.7	69.9
127.5°	25.4	25.4	50.8	60.4	63.5
130°	25.4	28.6	44.5	57.2	57.2
132.5°	28.6	31.8	41.3	54.0	54.0
135°	28.6	31.8	34.9	50.8	54.0
137.5°	31.8	31.8	31.8	47.6	50.8
140°	31.8	31.8	28.6	41.3	44.5
142.5°	28.6	31.8	28.6	38.1	41.3
145°	28.6	31.8	31.8	34.9	38.1
147.5°	31.8	31.8	31.8	31.8	34.9
150°	31.8	31.8	31.8	31.8	31.8
152.5°	31.8	31.8	31.8	31.8	31.8
155°	31.8	34.9	34.9	34.9	31.8
157.5°	31.8	34.9	34.9	34.9	34.9
160°	31.8	34.9	34.9	34.9	34.9
162.5°	34.9	34.9	34.9	34.9	34.9
165°	34.9	34.9	34.9	34.9	34.9
167.5°	34.9	38.1	34.9	34.9	34.9
170°	34.9	34.9	34.9	31.8	31.8
172.5°	34.9	34.9	34.9	31.8	31.8
175°	34.9	34.9	31.8	28.6	28.6
177.5°	38.1	34.9	31.8	28.6	25.4
180°	31.8	31.8	31.8	31.8	31.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	15.9	60.4	155.7	187.4	193.8
110°	19.1	50.8	130.2	158.8	165.2



(END OF REPORT)