

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: P830741

Luminaire Tested: **OHBL-72SE-A-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830741
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-L740-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

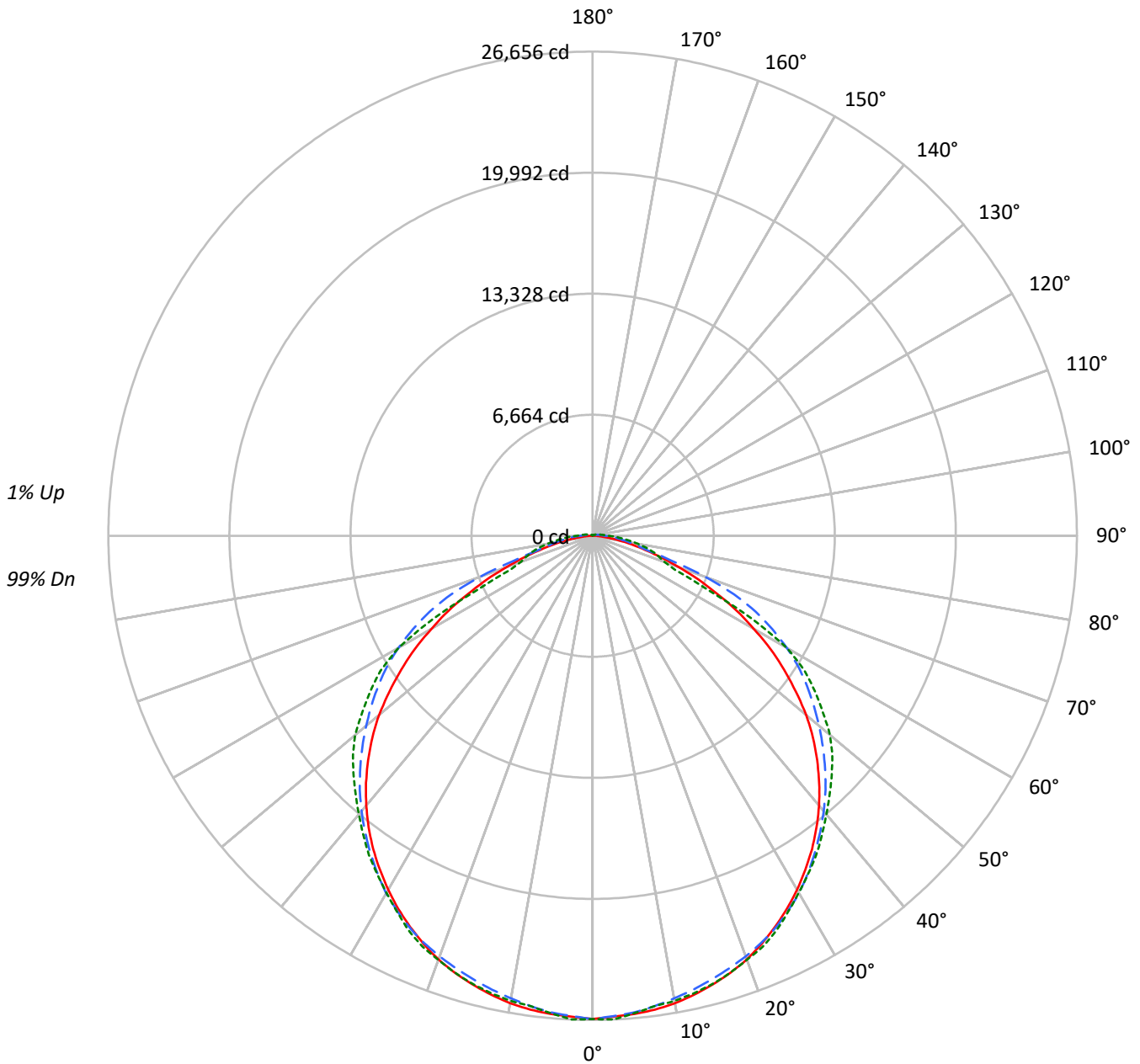
Lumens per Lamp: N/A
Luminaire Lumens: 75190.0 lumens
Efficiency: N/A
Efficacy: 181.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

TEST NUMBER: P830741

CATALOG NUMBER: OHBL-72SE-A-UNV-L740-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830741

CATALOG NUMBER: OHBL-72SE-A-UNV-L740-CD

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°	42071	42071	42071
5°	41796	41460	41547
10°	41643	40832	41085
15°	41378	40362	40810
20°	41114	40066	40449
25°	40618	39768	40091
30°	40078	39299	39333
35°	39433	38554	38914
40°	38595	37784	38345
45°	37432	36893	38093
50°	35857	35879	37791
55°	33354	34882	36380
60°	30078	33422	33634
65°	25801	30712	21316
70°	20782	23975	15454
75°	15581	14233	15685
80°	10846	11834	14975
85°	6173	10843	14036



TEST NUMBER: P830741

CATALOG NUMBER: OHBL-72SE-A-UNV-L740-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2508.4	3.3
10°-20°	7192.8	9.6
20°-30°	10985.6	14.6
30°-40°	13329.3	17.7
40°-50°	13970.4	18.6
50°-60°	12659.3	16.8
60°-70°	8487.5	11.3
70°-80°	3811.3	5.1
80°-90°	1383.1	1.8
90°-100°	416.3	0.6
100°-110°	196.4	0.3
110°-120°	98.4	0.1
120°-130°	54.3	0.1
130°-140°	37.3	0.0
140°-150°	25.1	0.0
150°-160°	18.7	0.0
160°-170°	12.0	0.0
170°-180°	3.8	0.0
0°-30°	20686.7	27.5
0°-40°	34016.0	45.2
0°-60°	60645.7	80.7
0°-90°	74327.6	98.9
90°-120°	711.2	0.9
90°-150°	828.0	1.1
90°-180°	862.0	1.1
0°-180°	75190.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26602	26602	26602	26602	26602	
5°	26429	26522	26337	26418	26383	###
15°	25571	25471	25291	25514	25544	7220
25°	23756	23652	23817	24037	23967	10950
35°	21056	21106	21321	21548	21463	13160
45°	17475	17759	18090	18552	18609	13461
55°	12859	13478	14397	14974	14940	11478
65°	7547	8728	9908	8362	6828	7520
75°	2970	4308	3170	3243	3454	3245
85°	512	981	1258	1519	1592	624
90°	4	327	650	816	854	31
95°	4	204	446	542	558	5
105°	15	88	219	265	277	18
115°	31	46	112	142	150	29
125°	27	31	69	81	85	27
135°	35	38	42	62	65	27
145°	35	38	38	42	46	23
155°	38	42	42	42	38	18
165°	42	42	42	42	42	12
175°	42	42	38	35	35	4
180°	38	38	38	38	38	



TEST NUMBER: P830741

CATALOG NUMBER: OHBL-72SE-A-UNV-L740-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26602.3	26602.3	26602.3	26602.3	26602.3
2.5°	26494.6	26606.1	26467.7	26617.7	26656.1
5°	26429.2	26521.5	26336.9	26417.7	26383.0
7.5°	26310.0	26340.7	26121.5	26186.9	26117.6
10°	26133.0	26117.6	25859.9	25986.8	26002.2
12.5°	25871.5	25825.3	25594.5	25786.8	25790.7
15°	25571.4	25471.4	25290.6	25513.7	25544.5
17.5°	25225.2	25094.5	24975.2	25263.7	25217.6
20°	24821.4	24667.5	24644.4	24959.8	24844.4
22.5°	24321.3	24202.1	24255.9	24556.0	24482.9
25°	23755.9	23652.0	23817.4	24036.7	23967.4
27.5°	23159.7	23098.1	23286.6	23455.9	23321.2
30°	22505.8	22471.2	22721.2	22859.7	22690.4
32.5°	21794.2	21805.7	22044.2	22232.7	22075.0
35°	21055.7	21105.7	21321.1	21548.0	21463.4
37.5°	20244.0	20355.6	20571.0	20828.7	20740.2
40°	19386.3	19547.8	19786.3	20097.9	20017.1
42.5°	18459.3	18663.1	18970.9	19317.0	19309.4
45°	17474.6	17759.2	18090.0	18551.6	18609.3
47.5°	16451.4	16770.7	17189.9	17805.4	17893.8
50°	15339.8	15739.8	16262.9	17001.5	17055.3
52.5°	14101.2	14647.4	15339.8	16047.5	15982.1
55°	12858.8	13478.1	14397.4	14974.4	14939.7
57.5°	11620.2	12316.4	13431.9	13843.5	13839.7
60°	10235.5	11116.3	12335.7	12647.2	12339.5
62.5°	8954.6	9900.9	11166.3	10939.4	9885.5
65°	7546.8	8727.7	9908.5	8362.3	6827.5
67.5°	6296.7	7527.6	8416.1	5727.4	4904.3
70°	5038.9	6396.7	6562.1	4250.4	4192.7
72.5°	3923.4	5369.7	4527.3	3638.8	3823.4
75°	2969.5	4308.1	3169.5	3242.6	3454.1
77.5°	2165.6	3308.0	2465.6	2842.6	3015.6
80°	1488.6	2342.5	2011.7	2388.7	2507.9
82.5°	934.7	1546.3	1611.7	1923.2	2046.3
85°	511.6	980.9	1257.8	1519.4	1592.4
87.5°	211.6	592.4	961.6	1173.2	1234.7
90°	3.8	327.0	650.1	815.5	853.9
92.5°	3.8	250.0	530.8	657.7	684.7
95°	3.8	203.9	446.2	542.4	557.7
97.5°	7.7	161.6	373.1	450.0	465.4
100°	11.5	134.6	311.6	377.0	388.5
102.5°	15.4	107.7	261.6	315.4	327.0
105°	15.4	88.5	219.2	265.4	276.9



TEST NUMBER: P830741

CATALOG NUMBER: OHBL-72SE-A-UNV-L740-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.9	53.9	130.8	165.4	173.1
115°	30.8	46.2	111.5	142.3	150.0
117.5°	30.8	38.5	96.2	119.2	126.9
120°	30.8	34.6	84.6	103.9	107.7
122.5°	30.8	30.8	73.1	92.3	96.2
125°	26.9	30.8	69.2	80.8	84.6
127.5°	30.8	30.8	61.5	73.1	76.9
130°	30.8	34.6	53.9	69.2	69.2
132.5°	34.6	38.5	50.0	65.4	65.4
135°	34.6	38.5	42.3	61.5	65.4
137.5°	38.5	38.5	38.5	57.7	61.5
140°	38.5	38.5	34.6	50.0	53.9
142.5°	34.6	38.5	34.6	46.2	50.0
145°	34.6	38.5	38.5	42.3	46.2
147.5°	38.5	38.5	38.5	38.5	42.3
150°	38.5	38.5	38.5	38.5	38.5
152.5°	38.5	38.5	38.5	38.5	38.5
155°	38.5	42.3	42.3	42.3	38.5
157.5°	38.5	42.3	42.3	42.3	42.3
160°	38.5	42.3	42.3	42.3	42.3
162.5°	42.3	42.3	42.3	42.3	42.3
165°	42.3	42.3	42.3	42.3	42.3
167.5°	42.3	46.2	42.3	42.3	42.3
170°	42.3	42.3	42.3	38.5	38.5
172.5°	42.3	42.3	42.3	38.5	38.5
175°	42.3	42.3	38.5	34.6	34.6
177.5°	46.2	42.3	38.5	34.6	30.8
180°	38.5	38.5	38.5	38.5	38.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	19.2	73.1	188.5	226.9	234.6
110°	23.1	61.5	157.7	192.3	200.0



(END OF REPORT)