

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: P830801

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830801
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-72SE-W-UNV-L740-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

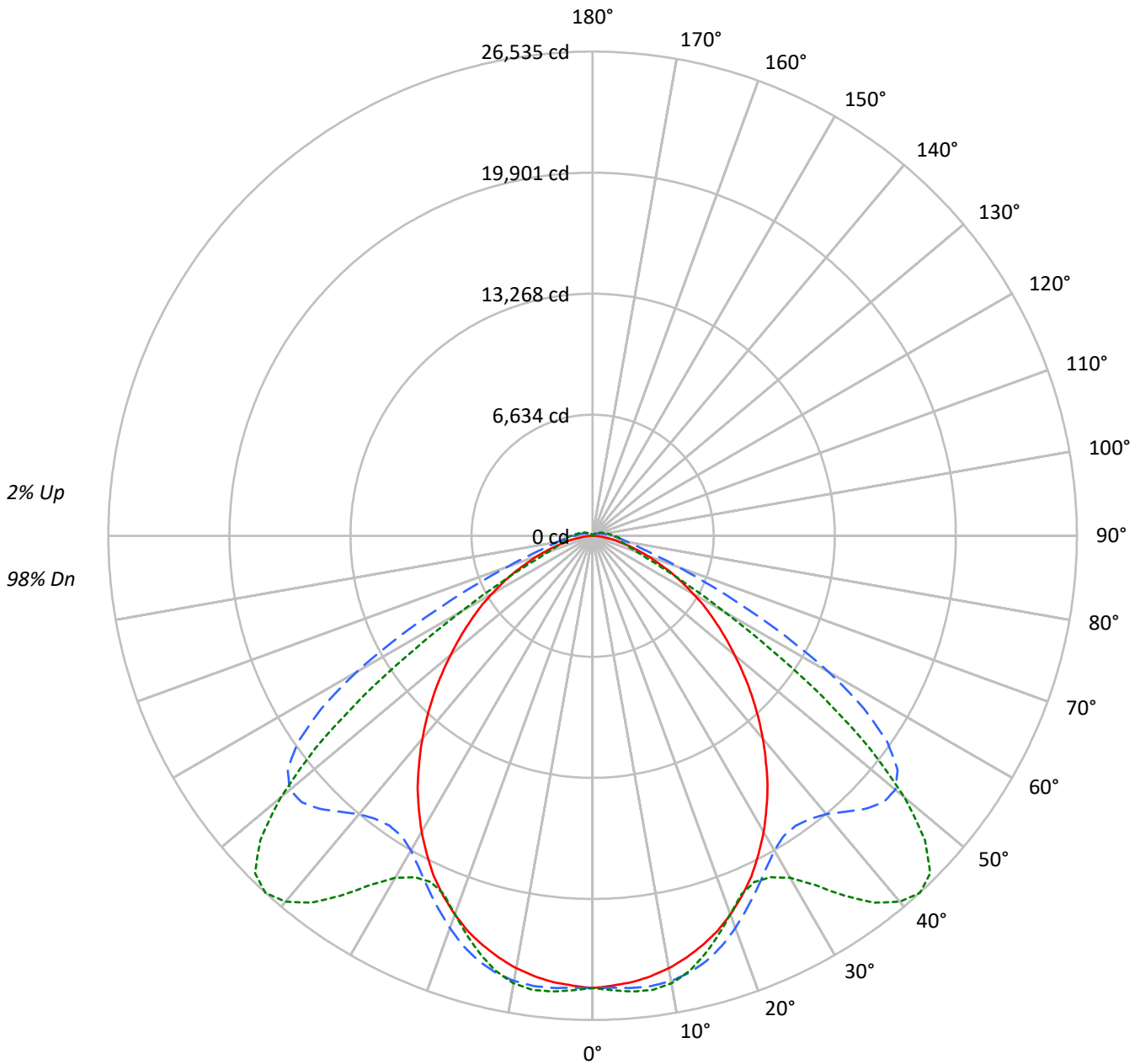
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 74215.0 lumens
Efficiency: N/A
Efficacy: 179.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39199	39199	39199
5°	38834	39162	39479
10°	38346	39120	39359
15°	37599	38491	37933
20°	36574	37185	35914
25°	35203	35600	35029
30°	33379	34426	37506
35°	31298	35082	43650
40°	28883	38019	50155
45°	26359	43155	53540
50°	23726	47758	49423
55°	21251	47744	37400
60°	18732	40438	22593
65°	16071	27963	13473
70°	13057	18112	9521
75°	9933	13015	8548
80°	7130	11482	9132
85°	4839	12724	12869



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2368.6	3.2
10°-20°	6707.2	9.0
20°-30°	9814.9	13.2
30°-40°	12746.7	17.2
40°-50°	15565.3	21.0
50°-60°	13707.7	18.5
60°-70°	7143.2	9.6
70°-80°	3063.2	4.1
80°-90°	1471.1	2.0
90°-100°	691.1	0.9
100°-110°	429.6	0.6
110°-120°	254.0	0.3
120°-130°	138.1	0.2
130°-140°	69.3	0.1
140°-150°	33.3	0.0
150°-160°	11.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	18890.8	25.5
0°-40°	31637.5	42.6
0°-60°	60910.5	82.1
0°-90°	72588.0	97.8
90°-120°	1374.7	1.9
90°-150°	1615.4	2.2
90°-180°	1627.0	2.2
0°-180°	74215.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24786	24786	24786	24786	24786	
5°	24556	24744	24877	25097	25070	###
15°	23236	23888	24118	23936	23744	6542
25°	20588	21690	21321	20920	20942	9448
35°	16712	18476	19401	22626	24075	10416
45°	12305	15482	21161	25621	26156	9488
55°	8193	13562	19706	17278	15358	7353
65°	4701	9396	9022	5016	4316	4651
75°	1893	4396	2898	1984	1882	2064
85°	401	1567	1476	1444	1460	447
90°	5	567	973	1112	1139	28
95°	11	332	775	909	936	8
105°	21	187	503	604	615	23
115°	32	107	310	380	390	33
125°	37	54	182	235	241	32
135°	32	32	86	144	150	25
145°	43	32	37	70	80	25
155°	43	43	32	32	32	13
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24786.5	24786.5	24786.5	24786.5	24786.5
2.5°	24679.5	24786.5	24791.8	24941.5	24925.5
5°	24556.5	24743.7	24877.4	25096.6	25069.9
7.5°	24353.3	24647.4	24882.7	25123.4	25102.0
10°	24064.5	24465.6	24775.8	24973.6	24909.5
12.5°	23690.2	24219.6	24524.4	24567.2	24444.2
15°	23235.6	23888.0	24118.0	23936.2	23743.7
17.5°	22722.3	23487.0	23567.2	23171.5	22930.8
20°	22080.5	22952.2	22872.0	22326.5	22059.1
22.5°	21369.3	22364.0	22107.3	21535.1	21278.4
25°	20588.5	21690.2	21321.2	20920.1	20941.5
27.5°	19674.1	20925.4	20567.1	20749.0	21091.2
30°	18743.6	20123.3	19904.0	20962.9	21636.7
32.5°	17722.2	19299.7	19497.6	21588.5	22690.2
35°	16711.5	18476.2	19401.4	22626.0	24075.2
37.5°	15593.8	17642.0	19556.4	23823.9	25342.6
40°	14508.2	16829.1	19909.4	24898.8	26182.2
42.5°	13401.3	16101.8	20503.0	25535.1	26535.1
45°	12305.0	15481.5	21160.7	25620.7	26155.5
47.5°	11208.7	14957.4	21615.3	24941.5	24695.5
50°	10149.9	14492.2	21647.4	23310.5	22305.1
52.5°	9160.6	14064.4	21059.1	20711.5	19150.0
55°	8192.6	13561.7	19706.2	17278.3	15358.5
57.5°	7310.3	12866.5	17620.6	13588.4	11492.1
60°	6374.4	11925.3	14925.3	9941.3	8288.9
62.5°	5513.4	10754.2	11903.9	6919.9	5957.3
65°	4700.6	9395.9	9021.5	5016.1	4315.6
67.5°	3839.6	7989.4	6657.9	3657.8	3208.6
70°	3165.8	6684.6	4957.3	2845.0	2582.9
72.5°	2476.0	5443.9	3705.9	2310.2	2165.8
75°	1893.1	4395.8	2898.4	1984.0	1882.4
77.5°	1395.7	3476.0	2331.6	1754.0	1657.8
80°	978.6	2738.0	1951.9	1566.9	1529.4
82.5°	657.8	2117.7	1663.1	1492.0	1497.3
85°	401.1	1566.9	1476.0	1443.9	1459.9
87.5°	192.5	1112.3	1267.4	1315.5	1331.6
90°	5.3	566.9	973.3	1112.3	1139.1
92.5°	0.0	433.2	855.6	994.7	1021.4
95°	10.7	331.6	775.4	909.1	935.8
97.5°	10.7	272.7	695.2	834.2	850.3
100°	16.0	235.3	620.3	754.0	770.1
102.5°	16.0	208.6	556.2	673.8	684.5
105°	21.4	187.2	502.7	604.3	615.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	32.1	128.3	352.9	427.8	438.5
115°	32.1	107.0	310.2	379.7	390.4
117.5°	37.4	96.3	272.7	336.9	342.3
120°	37.4	80.2	235.3	299.5	304.8
122.5°	37.4	64.2	208.6	267.4	272.7
125°	37.4	53.5	181.8	235.3	240.6
127.5°	32.1	37.4	155.1	208.6	213.9
130°	32.1	32.1	128.3	181.8	192.5
132.5°	32.1	32.1	107.0	160.4	171.1
135°	32.1	32.1	85.6	144.4	149.7
137.5°	32.1	32.1	69.5	123.0	133.7
140°	32.1	32.1	53.5	107.0	112.3
142.5°	37.4	32.1	48.1	90.9	96.3
145°	42.8	32.1	37.4	69.5	80.2
147.5°	42.8	37.4	37.4	58.8	64.2
150°	42.8	42.8	32.1	42.8	53.5
152.5°	42.8	42.8	32.1	32.1	42.8
155°	42.8	42.8	32.1	32.1	32.1
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°	26.7	165.8	449.2	540.1	550.8
110°	26.7	144.4	395.7	481.3	492.0



(END OF REPORT)