

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: P830809

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830809
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-L940-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

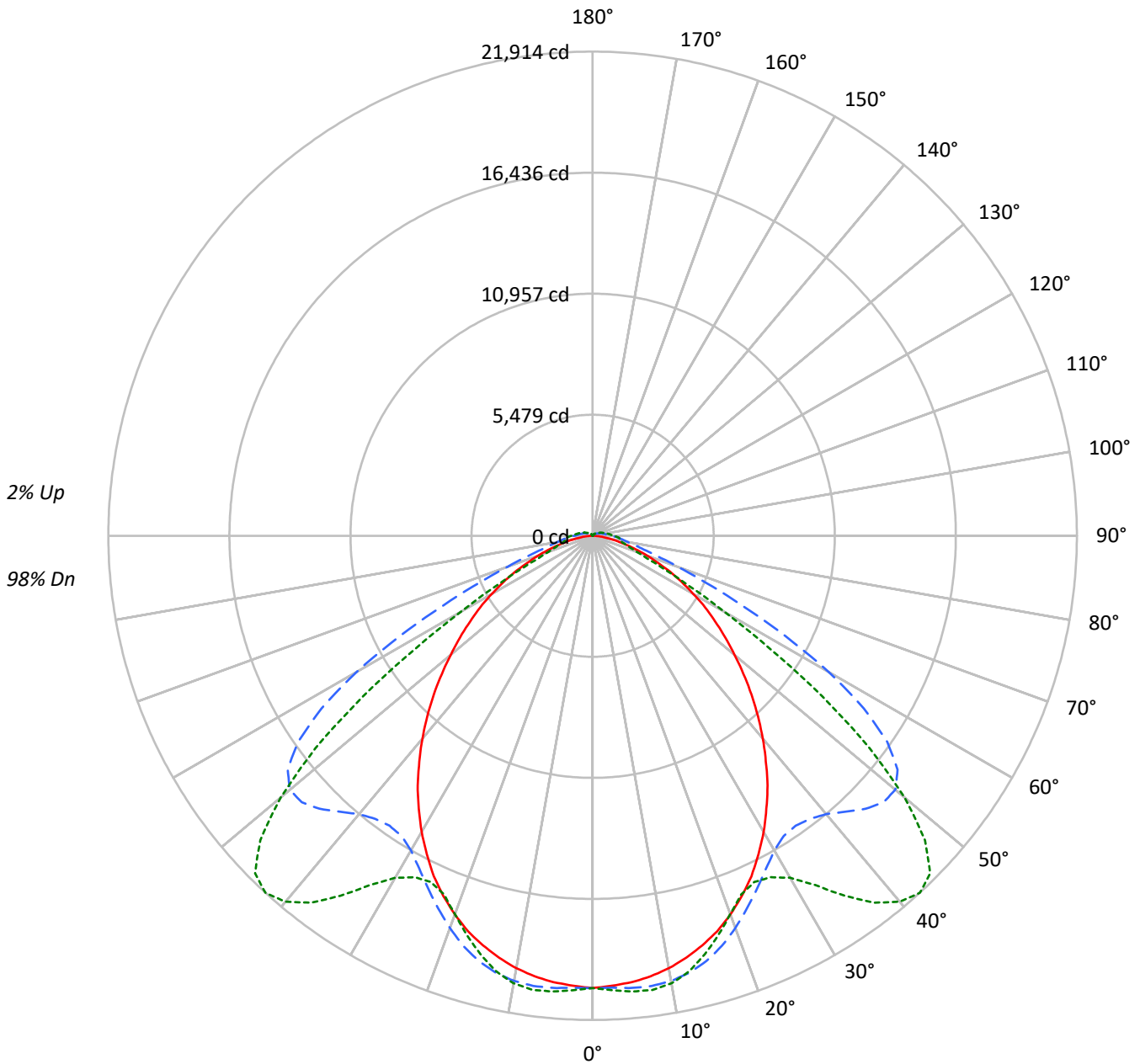
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61290.9 lumens
Efficiency: N/A
Efficacy: 148.2 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°	32373	32373	32373
5°	32071	32342	32604
10°	31669	32307	32505
15°	31051	31788	31328
20°	30205	30709	29660
25°	29072	29401	28929
30°	27566	28431	30975
35°	25847	28973	36048
40°	23853	31398	41421
45°	21769	35640	44216
50°	19594	39442	40817
55°	17550	39429	30887
60°	15470	33396	18659
65°	13272	23093	11127
70°	10783	14958	7863
75°	8203	10749	7059
80°	5888	9483	7542
85°	3996	10508	10628



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1956.1	3.2
10°-20°	5539.2	9.0
20°-30°	8105.7	13.2
30°-40°	10526.9	17.2
40°-50°	12854.7	21.0
50°-60°	11320.6	18.5
60°-70°	5899.2	9.6
70°-80°	2529.8	4.1
80°-90°	1214.9	2.0
90°-100°	570.8	0.9
100°-110°	354.8	0.6
110°-120°	209.8	0.3
120°-130°	114.0	0.2
130°-140°	57.2	0.1
140°-150°	27.5	0.0
150°-160°	9.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	15601.1	25.5
0°-40°	26128.0	42.6
0°-60°	50303.3	82.1
0°-90°	59947.3	97.8
90°-120°	1135.3	1.9
90°-150°	1334.1	2.2
90°-180°	1344.0	2.2
0°-180°	61290.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20470	20470	20470	20470	20470	
5°	20280	20435	20545	20726	20704	###
15°	19189	19728	19918	19768	19609	5403
25°	17003	17913	17608	17277	17295	7803
35°	13801	15259	16023	18686	19883	8602
45°	10162	12786	17476	21159	21601	7836
55°	6766	11200	16274	14269	12684	6072
65°	3882	7760	7450	4143	3564	3841
75°	1563	3630	2394	1638	1555	1705
85°	331	1294	1219	1192	1206	369
90°	4	468	804	919	941	23
95°	9	274	640	751	773	7
105°	18	155	415	499	508	19
115°	26	88	256	314	322	27
125°	31	44	150	194	199	26
135°	26	26	71	119	124	21
145°	35	26	31	57	66	21
155°	35	35	26	26	26	11
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-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20470.1	20470.1	20470.1	20470.1	20470.1
2.5°	20381.7	20470.1	20474.5	20598.2	20584.9
5°	20280.2	20434.7	20545.2	20726.2	20704.1
7.5°	20112.3	20355.2	20549.6	20748.3	20730.6
10°	19873.9	20205.1	20461.2	20624.6	20571.7
12.5°	19564.7	20001.9	20253.7	20289.0	20187.4
15°	19189.3	19728.1	19918.0	19767.9	19608.9
17.5°	18765.3	19396.9	19463.1	19136.3	18937.6
20°	18235.4	18955.2	18889.0	18438.5	18217.7
22.5°	17648.0	18469.4	18257.5	17784.9	17572.9
25°	17003.2	17913.0	17608.2	17277.0	17294.7
27.5°	16248.0	17281.4	16985.5	17135.7	17418.3
30°	15479.5	16619.0	16437.9	17312.3	17868.8
32.5°	14636.0	15938.8	16102.2	17829.1	18738.8
35°	13801.3	15258.7	16022.7	18685.8	19882.7
37.5°	12878.3	14569.7	16150.8	19675.1	20929.4
40°	11981.7	13898.5	16442.3	20562.8	21622.8
42.5°	11067.5	13297.8	16932.5	21088.4	21914.2
45°	10162.2	12785.5	17475.7	21159.0	21600.7
47.5°	9256.8	12352.7	17851.1	20598.2	20395.0
50°	8382.4	11968.5	17877.6	19251.1	18420.9
52.5°	7565.3	11615.2	17391.8	17104.8	15815.2
55°	6765.9	11200.0	16274.5	14269.4	12683.9
57.5°	6037.2	10625.9	14552.1	11222.1	9490.9
60°	5264.4	9848.6	12326.2	8210.1	6845.4
62.5°	4553.3	8881.4	9830.9	5714.8	4919.9
65°	3882.0	7759.6	7450.5	4142.6	3564.0
67.5°	3171.0	6598.1	5498.4	3020.8	2649.8
70°	2614.5	5520.5	4094.0	2349.5	2133.1
72.5°	2044.8	4495.9	3060.6	1907.9	1788.6
75°	1563.4	3630.3	2393.7	1638.5	1554.6
77.5°	1152.7	2870.7	1925.6	1448.6	1369.1
80°	808.2	2261.2	1612.0	1294.0	1263.1
82.5°	543.2	1748.9	1373.5	1232.2	1236.6
85°	331.2	1294.0	1218.9	1192.4	1205.7
87.5°	159.0	918.6	1046.7	1086.4	1099.7
90°	4.4	468.1	803.8	918.6	940.7
92.5°	0.0	357.7	706.6	821.5	843.5
95°	8.8	273.8	640.4	750.8	772.9
97.5°	8.8	225.2	574.1	689.0	702.2
100°	13.2	194.3	512.3	622.7	636.0
102.5°	13.2	172.2	459.3	556.5	565.3
105°	17.7	154.6	415.1	499.1	507.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.5	106.0	291.5	353.3	362.1
115°	26.5	88.3	256.2	313.6	322.4
117.5°	30.9	79.5	225.2	278.2	282.7
120°	30.9	66.2	194.3	247.3	251.7
122.5°	30.9	53.0	172.2	220.8	225.2
125°	30.9	44.2	150.2	194.3	198.7
127.5°	26.5	30.9	128.1	172.2	176.7
130°	26.5	26.5	106.0	150.2	159.0
132.5°	26.5	26.5	88.3	132.5	141.3
135°	26.5	26.5	70.7	119.2	123.7
137.5°	26.5	26.5	57.4	101.6	110.4
140°	26.5	26.5	44.2	88.3	92.7
142.5°	30.9	26.5	39.7	75.1	79.5
145°	35.3	26.5	30.9	57.4	66.2
147.5°	35.3	30.9	30.9	48.6	53.0
150°	35.3	35.3	26.5	35.3	44.2
152.5°	35.3	35.3	26.5	26.5	35.3
155°	35.3	35.3	26.5	26.5	26.5
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°	22.1	136.9	371.0	446.1	454.9
110°	22.1	119.2	326.8	397.5	406.3



(END OF REPORT)