

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: P830772

Luminaire Tested: **OHBL-72SE-MFL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-72SE-MFL-UNV-L935-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

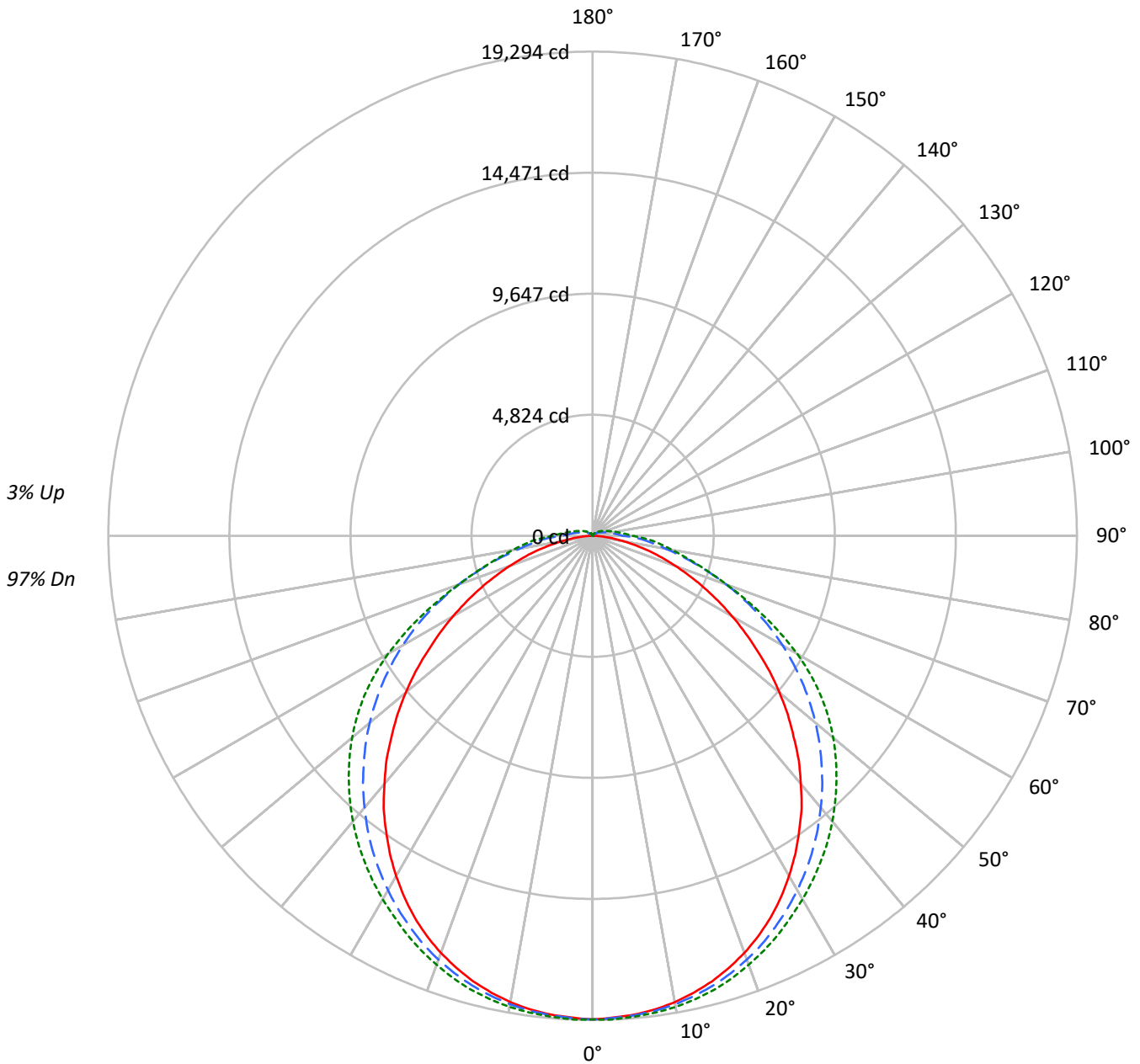
Lumens per Lamp: N/A
Luminaire Lumens: 57686.0 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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				20				
RC	80				70				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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30482	30482	30482
5°	30287	30194	30286
10°	30075	29928	30128
15°	29739	29609	29919
20°	29293	29220	29615
25°	28698	28733	29306
30°	27873	28206	28996
35°	26875	27645	28728
40°	25676	26997	28465
45°	24262	26293	28128
50°	22715	25581	27720
55°	20814	24709	27029
60°	18866	23683	25652
65°	16740	22371	23387
70°	14436	20699	20935
75°	12103	18768	19278
80°	9176	17371	19126
85°	5806	18056	21373



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1826.4	3.2
10°-20°	5239.6	9.1
20°-30°	7924.0	13.7
30°-40°	9512.9	16.5
40°-50°	9825.3	17.0
50°-60°	8839.6	15.3
60°-70°	6658.8	11.5
70°-80°	4020.8	7.0
80°-90°	1966.5	3.4
90°-100°	827.7	1.4
100°-110°	472.5	0.8
110°-120°	277.4	0.5
120°-130°	156.9	0.3
130°-140°	82.6	0.1
140°-150°	40.2	0.1
150°-160°	14.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14990.0	26.0
0°-40°	24502.9	42.5
0°-60°	43167.8	74.8
0°-90°	55813.8	96.8
90°-120°	1577.6	2.7
90°-150°	1857.2	3.2
90°-180°	1872.0	3.2
0°-180°	57686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19275	19275	19275	19275	19275	
5°	19152	19204	19180	19256	19232	###
15°	18378	18468	18553	18709	18728	5181
25°	16784	16968	17209	17478	17520	7720
35°	14350	14685	15289	15751	15845	8971
45°	11326	11897	12892	13595	13741	8744
55°	8024	8854	10199	10968	11100	7194
65°	4896	5897	7217	7576	7491	4865
75°	2307	3312	4180	4288	4246	2461
85°	481	1269	2094	2382	2425	556
90°	0	495	1198	1510	1571	30
95°	24	335	896	1142	1184	20
105°	33	193	519	679	708	33
115°	38	108	321	429	448	39
125°	38	52	193	278	292	34
135°	33	42	99	170	189	26
145°	47	42	47	85	99	28
155°	47	52	47	42	47	15
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19274.7	19274.7	19274.7	19274.7	19274.7
2.5°	19218.1	19265.3	19237.0	19298.3	19293.6
5°	19152.1	19204.0	19180.4	19255.9	19232.3
7.5°	19038.9	19095.5	19090.8	19175.7	19166.2
10°	18873.8	18935.1	18954.0	19067.2	19067.2
12.5°	18647.3	18727.5	18774.7	18911.5	18916.2
15°	18378.4	18468.1	18553.0	18708.7	18727.5
17.5°	18053.0	18166.2	18284.1	18463.4	18486.9
20°	17685.0	17812.4	17972.8	18161.5	18189.8
22.5°	17260.5	17411.4	17619.0	17840.7	17873.7
25°	16784.0	16968.0	17208.6	17477.5	17519.9
27.5°	16241.5	16453.8	16779.3	17081.2	17118.9
30°	15651.9	15901.9	16307.6	16666.1	16727.4
32.5°	15029.2	15316.9	15817.0	16217.9	16302.9
35°	14349.9	14684.8	15288.6	15750.9	15845.3
37.5°	13680.1	14048.0	14732.0	15260.3	15373.6
40°	12897.0	13354.6	14137.6	14722.6	14859.4
42.5°	12161.1	12656.4	13543.3	14180.1	14312.2
45°	11326.1	11896.9	12892.3	13595.1	13741.4
47.5°	10543.1	11161.0	12264.9	12991.3	13142.3
50°	9717.6	10396.8	11595.0	12354.5	12510.2
52.5°	8892.0	9623.2	10901.6	11689.4	11835.6
55°	8024.1	8854.3	10198.7	10967.6	11099.7
57.5°	7217.4	8094.8	9477.0	10208.2	10288.3
60°	6420.2	7330.6	8741.1	9382.6	9410.9
62.5°	5641.8	6599.4	7986.3	8495.8	8458.0
65°	4896.5	5896.6	7217.4	7575.9	7491.0
67.5°	4179.5	5212.6	6429.6	6660.8	6547.6
70°	3500.2	4547.4	5665.4	5783.4	5679.6
72.5°	2901.1	3915.3	4891.8	4990.9	4915.4
75°	2306.7	3311.5	4179.5	4288.0	4245.5
77.5°	1750.1	2726.6	3523.8	3665.3	3674.7
80°	1259.5	2193.5	2953.0	3174.7	3203.0
82.5°	830.2	1702.9	2476.6	2759.6	2802.1
85°	481.2	1268.9	2094.5	2382.2	2424.7
87.5°	207.6	915.1	1684.1	1943.5	1995.4
90°	0.0	495.3	1198.2	1509.5	1570.8
92.5°	14.2	410.4	1028.4	1311.4	1363.3
95°	23.6	334.9	896.3	1141.6	1184.0
97.5°	28.3	283.0	778.3	995.3	1037.8
100°	28.3	245.3	674.6	872.7	910.4
102.5°	28.3	217.0	589.7	764.2	797.2
105°	33.0	193.4	518.9	679.3	707.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	37.7	127.4	358.5	481.2	500.0
115°	37.7	108.5	320.8	429.3	448.1
117.5°	42.5	94.3	283.0	386.8	401.0
120°	42.5	80.2	250.0	344.4	363.2
122.5°	42.5	66.0	221.7	311.3	325.5
125°	37.7	51.9	193.4	278.3	292.5
127.5°	33.0	42.5	165.1	250.0	264.2
130°	33.0	37.7	141.5	221.7	235.9
132.5°	33.0	42.5	117.9	193.4	212.3
135°	33.0	42.5	99.1	169.8	188.7
137.5°	33.0	42.5	80.2	146.2	165.1
140°	37.7	42.5	66.0	122.6	141.5
142.5°	42.5	42.5	51.9	103.8	117.9
145°	47.2	42.5	47.2	84.9	99.1
147.5°	47.2	47.2	47.2	66.0	80.2
150°	47.2	51.9	47.2	51.9	66.0
152.5°	47.2	51.9	47.2	42.5	51.9
155°	47.2	51.9	47.2	42.5	47.2
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°	33.0	169.8	457.6	603.8	627.4
110°	33.0	151.0	405.7	537.8	561.4



(END OF REPORT)