

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: P830765

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830765
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-L740-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

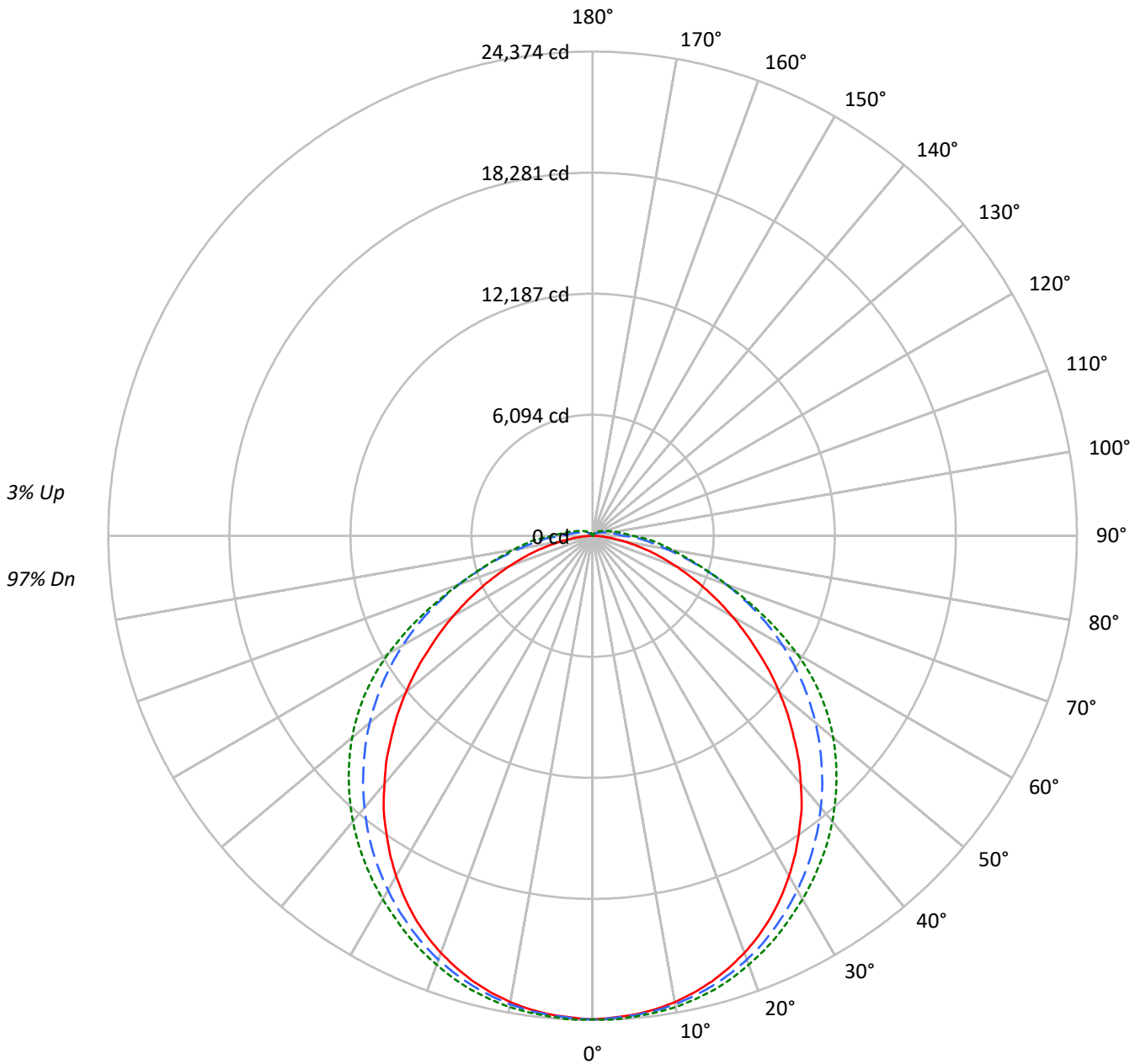
Lumens per Lamp: N/A
Luminaire Lumens: 72876.0 lumens
Efficiency: N/A
Efficacy: 176.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38509	38509	38509
5°	38263	38145	38261
10°	37994	37808	38061
15°	37570	37406	37798
20°	37007	36914	37413
25°	36254	36299	37023
30°	35213	35633	36631
35°	33951	34925	36293
40°	32437	34106	35960
45°	30651	33216	35535
50°	28696	32317	35019
55°	26294	31216	34147
60°	23834	29919	32406
65°	21149	28262	29546
70°	18238	26150	26448
75°	15291	23710	24355
80°	11593	21946	24162
85°	7335	22811	27000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2307.3	3.2
10°-20°	6619.3	9.1
20°-30°	10010.6	13.7
30°-40°	12017.8	16.5
40°-50°	12412.5	17.0
50°-60°	11167.3	15.3
60°-70°	8412.2	11.5
70°-80°	5079.5	7.0
80°-90°	2484.3	3.4
90°-100°	1045.7	1.4
100°-110°	596.9	0.8
110°-120°	350.4	0.5
120°-130°	198.2	0.3
130°-140°	104.3	0.1
140°-150°	50.7	0.1
150°-160°	18.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	18937.2	26.0
0°-40°	30955.1	42.5
0°-60°	54534.9	74.8
0°-90°	70510.9	96.8
90°-120°	1993.0	2.7
90°-150°	2346.3	3.2
90°-180°	2365.0	3.2
0°-180°	72876.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24350	24350	24350	24350	24350	
5°	24195	24261	24231	24326	24297	###
15°	23218	23331	23438	23635	23659	6546
25°	21204	21436	21740	22080	22133	9753
35°	18129	18552	19314	19898	20018	11333
45°	14309	15030	16287	17175	17360	11047
55°	10137	11186	12884	13856	14022	9089
65°	6186	7449	9118	9571	9464	6146
75°	2914	4184	5280	5417	5364	3109
85°	608	1603	2646	3010	3063	702
90°	0	626	1514	1907	1984	38
95°	30	423	1132	1442	1496	25
105°	42	244	656	858	894	42
115°	48	137	405	542	566	49
125°	48	66	244	352	370	43
135°	42	54	125	214	238	33
145°	60	54	60	107	125	35
155°	60	66	60	54	60	18
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°	24350.2	24350.2	24350.2	24350.2	24350.2
2.5°	24278.7	24338.3	24302.5	24380.0	24374.0
5°	24195.2	24260.8	24231.0	24326.4	24296.6
7.5°	24052.2	24123.7	24117.8	24225.0	24213.1
10°	23843.6	23921.1	23944.9	24088.0	24088.0
12.5°	23557.6	23658.9	23718.5	23891.3	23897.3
15°	23217.9	23331.1	23438.4	23635.1	23658.9
17.5°	22806.7	22949.7	23098.7	23325.2	23355.0
20°	22341.9	22502.8	22705.4	22943.8	22979.5
22.5°	21805.5	21996.2	22258.4	22538.5	22580.2
25°	21203.6	21436.0	21740.0	22079.7	22133.3
27.5°	20518.3	20786.5	21197.7	21579.1	21626.7
30°	19773.4	20089.2	20601.7	21054.6	21132.1
32.5°	18986.7	19350.2	19981.9	20488.5	20595.8
35°	18128.6	18551.7	19314.5	19898.5	20017.7
37.5°	17282.3	17747.2	18611.3	19278.7	19421.8
40°	16293.1	16871.1	17860.4	18599.4	18772.2
42.5°	15363.4	15989.1	17109.5	17914.0	18080.9
45°	14308.6	15029.7	16287.1	17175.0	17359.8
47.5°	13319.3	14100.0	15494.5	16412.2	16602.9
50°	12276.4	13134.6	14648.3	15607.7	15804.4
52.5°	11233.5	12157.2	13772.2	14767.4	14952.2
55°	10137.0	11185.8	12884.3	13855.7	14022.5
57.5°	9117.9	10226.4	11972.5	12896.2	12997.5
60°	8110.8	9260.9	11042.8	11853.3	11889.0
62.5°	7127.5	8337.2	10089.3	10732.9	10685.2
65°	6185.9	7449.3	9117.9	9570.8	9463.6
67.5°	5280.0	6585.2	8122.7	8414.7	8271.7
70°	4421.9	5744.9	7157.3	7306.2	7175.1
72.5°	3665.0	4946.3	6179.9	6305.1	6209.7
75°	2914.2	4183.5	5280.0	5417.1	5363.5
77.5°	2210.9	3444.5	4451.7	4630.5	4642.4
80°	1591.2	2771.1	3730.6	4010.7	4046.4
82.5°	1048.9	2151.4	3128.7	3486.3	3539.9
85°	607.9	1603.1	2646.0	3009.5	3063.1
87.5°	262.2	1156.1	2127.5	2455.3	2520.8
90°	0.0	625.7	1513.7	1907.0	1984.5
92.5°	17.9	518.5	1299.2	1656.7	1722.3
95°	29.8	423.1	1132.3	1442.2	1495.8
97.5°	35.8	357.6	983.3	1257.4	1311.1
100°	35.8	309.9	852.2	1102.5	1150.2
102.5°	35.8	274.1	744.9	965.4	1007.1
105°	41.7	244.3	655.5	858.2	893.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	47.7	160.9	452.9	607.9	631.7
115°	47.7	137.1	405.2	542.3	566.1
117.5°	53.6	119.2	357.6	488.7	506.6
120°	53.6	101.3	315.8	435.0	458.9
122.5°	53.6	83.4	280.1	393.3	411.2
125°	47.7	65.6	244.3	351.6	369.5
127.5°	41.7	53.6	208.6	315.8	333.7
130°	41.7	47.7	178.8	280.1	298.0
132.5°	41.7	53.6	149.0	244.3	268.2
135°	41.7	53.6	125.1	214.5	238.4
137.5°	41.7	53.6	101.3	184.7	208.6
140°	47.7	53.6	83.4	154.9	178.8
142.5°	53.6	53.6	65.6	131.1	149.0
145°	59.6	53.6	59.6	107.3	125.1
147.5°	59.6	59.6	59.6	83.4	101.3
150°	59.6	65.6	59.6	65.6	83.4
152.5°	59.6	65.6	59.6	53.6	65.6
155°	59.6	65.6	59.6	53.6	59.6
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°	41.7	214.5	578.1	762.8	792.6
110°	41.7	190.7	512.5	679.4	709.2



(END OF REPORT)