

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: P830787

Luminaire Tested: **OHBL-72SE-NL-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-72SE-NL-UNV-L730-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

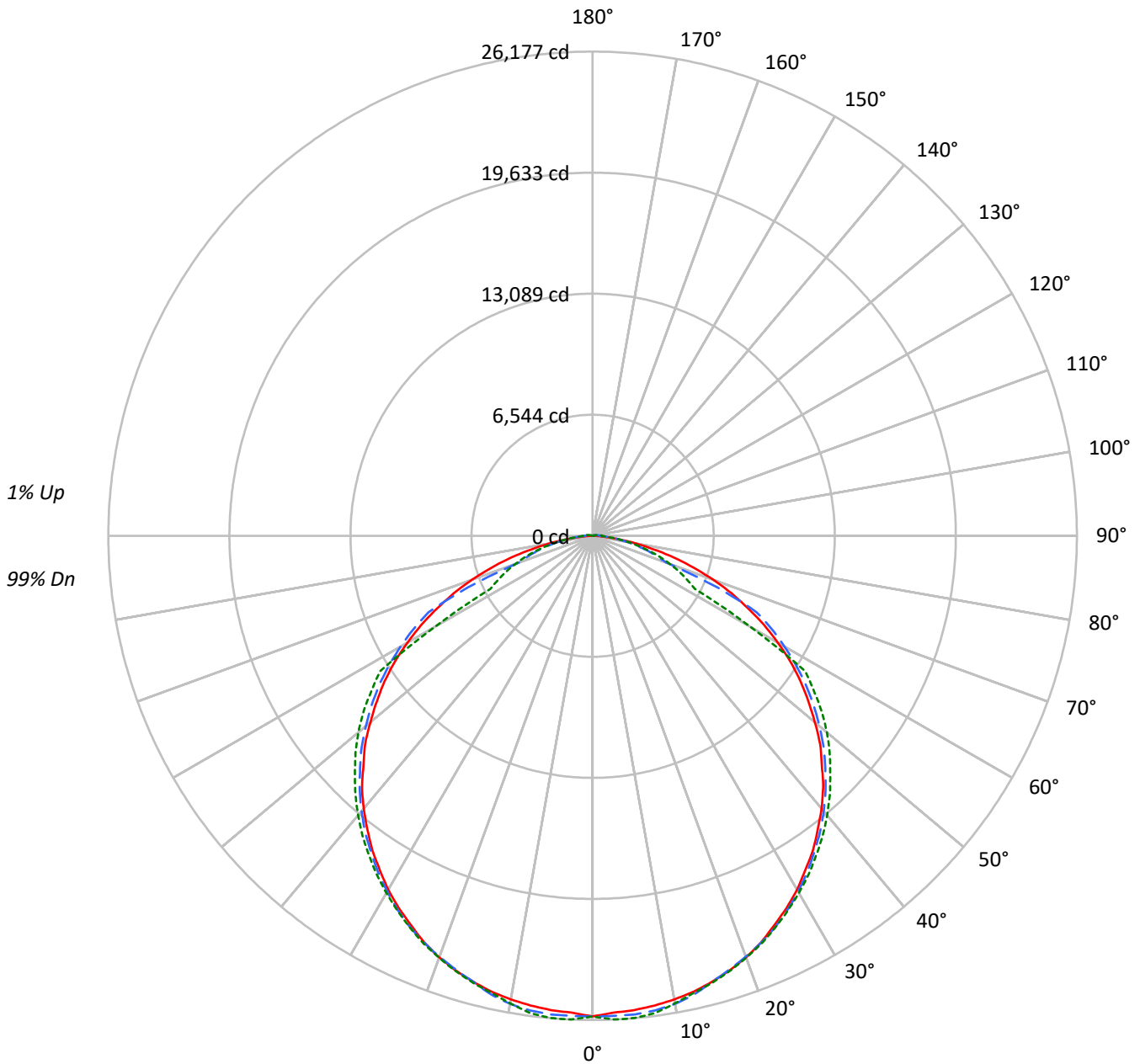
Lumens per Lamp: N/A
Luminaire Lumens: 72957.0 lumens
Efficiency: N/A
Efficacy: 176.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

Input Watts (W): 413.7
Input Voltage (V): NR
Input Current (Ain): 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	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41095	41095	41095
5°	40868	41238	41549
10°	40880	41268	41217
15°	40872	40865	40955
20°	40817	40755	40855
25°	40538	40744	40776
30°	40350	40558	40717
35°	40089	40309	40687
40°	39742	40119	40712
45°	39169	39761	40628
50°	38579	39365	40666
55°	37841	38822	40218
60°	36574	37871	31310
65°	34603	36615	21072
70°	32004	19438	20451
75°	27916	18471	19530
80°	21468	16944	17898
85°	10835	17126	17536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2468.7	3.4
10°-20°	7068.6	9.7
20°-30°	10755.5	14.7
30°-40°	13077.1	17.9
40°-50°	13750.0	18.8
50°-60°	12555.4	17.2
60°-70°	8048.6	11.0
70°-80°	3802.0	5.2
80°-90°	1054.3	1.4
90°-100°	279.2	0.4
100°-110°	76.4	0.1
110°-120°	21.2	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	20292.7	27.8
0°-40°	33369.9	45.7
0°-60°	59675.2	81.8
0°-90°	72580.2	99.5
90°-120°	376.8	0.5
90°-150°	376.8	0.5
90°-180°	377.0	0.5
0°-180°	72957.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25985	25985	25985	25985	25985	
5°	25744	25844	25976	26118	26172	###
15°	24964	25151	24960	24996	25014	7048
25°	23231	23268	23350	23386	23368	10720
35°	20765	20642	20878	21134	21074	12977
45°	17513	17482	17778	18197	18166	13537
55°	13724	13620	14080	14550	14586	12240
65°	9247	9247	9785	5613	5631	9167
75°	4569	4656	3023	3183	3196	4816
85°	597	757	944	1022	966	883
90°	0	255	420	497	488	26
95°	14	132	301	406	406	7
105°	23	50	73	73	68	23
115°	23	32	45	32	4	16
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: OHBL-72SE-NL-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25985.4	25985.4	25985.4	25985.4	25985.4
2.5°	25802.9	25889.8	25985.4	26108.5	26176.6
5°	25743.6	25844.0	25976.2	26117.7	26172.2
7.5°	25616.1	25757.1	25885.0	25985.4	26017.3
10°	25456.3	25625.3	25698.2	25689.0	25666.3
12.5°	25242.0	25420.1	25397.4	25292.2	25310.5
15°	24963.9	25150.7	24959.6	24995.8	25014.1
17.5°	24635.7	24818.1	24594.6	24667.5	24672.4
20°	24252.9	24389.5	24216.2	24275.5	24275.5
22.5°	23792.3	23887.9	23815.0	23856.0	23865.2
25°	23231.4	23267.6	23349.6	23386.3	23368.0
27.5°	22693.6	22647.7	22807.5	22893.9	22848.1
30°	22096.0	22023.1	22209.9	22351.3	22296.8
32.5°	21411.9	21366.6	21580.9	21749.4	21717.5
35°	20764.6	20641.5	20878.5	21133.9	21074.5
37.5°	19998.5	19925.6	20194.5	20463.8	20432.0
40°	19250.7	19127.6	19433.2	19752.3	19720.4
42.5°	18448.4	18302.1	18635.2	19018.5	18981.8
45°	17513.3	17481.5	17777.9	18197.4	18165.5
47.5°	16684.0	16524.2	16938.9	17344.8	17381.5
50°	15680.4	15621.5	15999.9	16492.3	16528.5
52.5°	14700.4	14659.4	15055.7	15552.9	15616.6
55°	13724.3	13619.5	14080.1	14549.8	14586.5
57.5°	12680.6	12571.0	13040.7	13551.5	13628.7
60°	11563.1	11458.3	11973.4	12447.9	9899.1
62.5°	10446.0	10373.1	10911.4	7728.7	6228.8
65°	9246.9	9246.9	9784.7	5612.8	5631.2
67.5°	8125.5	8052.6	7295.6	5042.7	5042.7
70°	6921.5	6949.0	4203.7	4418.5	4422.9
72.5°	5713.2	5813.6	3629.7	3802.5	3811.7
75°	4568.7	4655.5	3022.9	3182.7	3196.2
77.5°	3356.0	2580.7	2430.1	2553.7	2558.0
80°	2357.2	1627.8	1860.5	1978.8	1965.2
82.5°	1376.8	1139.7	1363.3	1450.2	1445.3
85°	597.1	756.9	943.8	1021.5	966.4
87.5°	191.2	469.7	588.0	633.8	629.0
90°	0.0	255.4	419.5	496.7	488.1
92.5°	0.0	200.3	365.0	456.2	460.5
95°	13.5	132.3	301.2	406.0	406.0
97.5°	9.2	95.6	214.3	319.1	328.3
100°	9.2	77.2	141.4	227.9	232.7
102.5°	22.7	63.7	86.4	145.8	150.6
105°	22.7	50.2	72.9	72.9	68.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	27.5	36.7	50.2	36.7	4.3
115°	22.7	31.9	45.4	31.9	4.3
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	22.7	45.4	63.7	41.0	13.5
110°	27.5	41.0	54.5	36.7	4.3



(END OF REPORT)