

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: P830792

Luminaire Tested: **OHBL-72SE-NL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830792
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-L835-CD
Description: 72000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

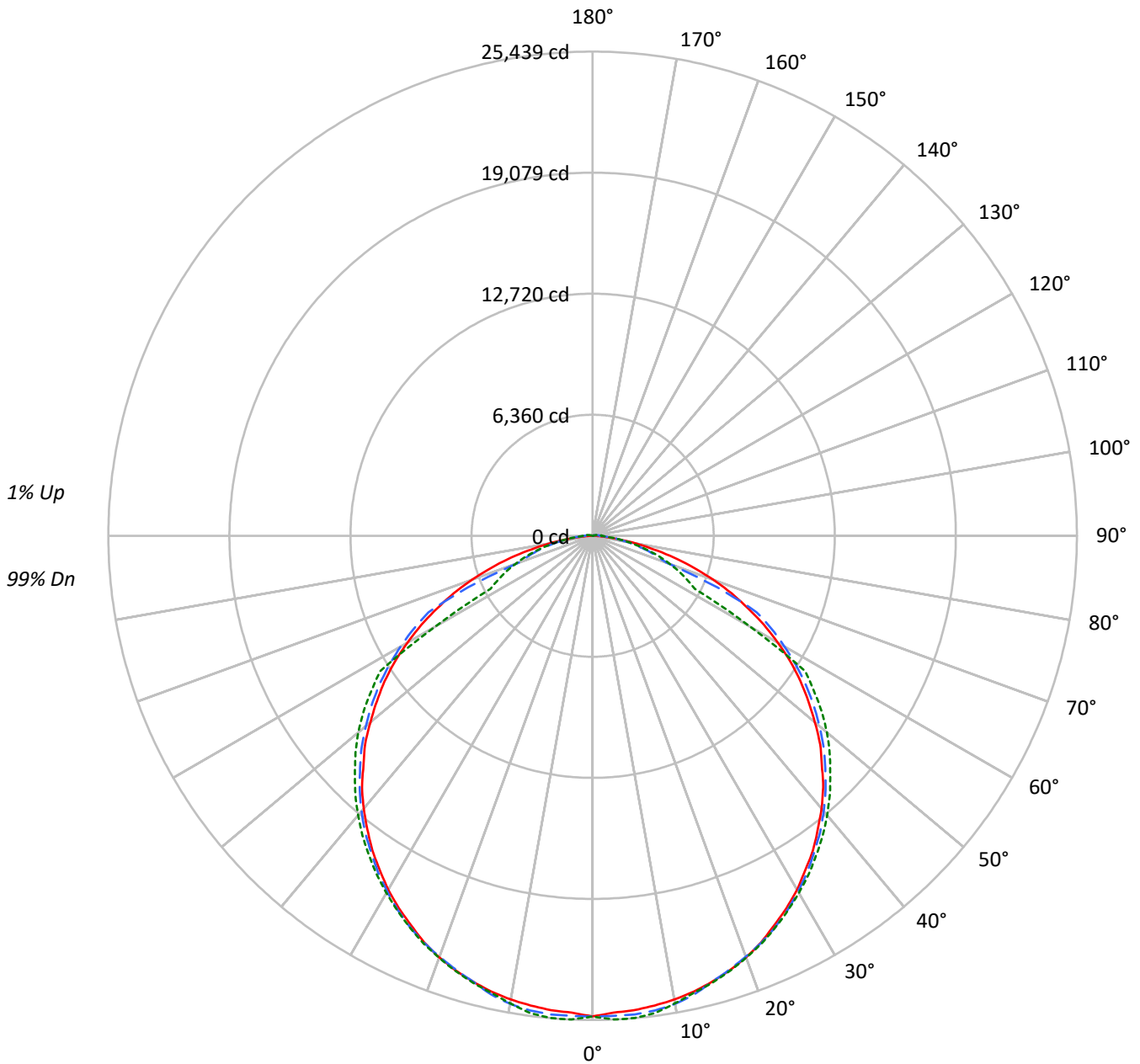
Lumens per Lamp: N/A
Luminaire Lumens: 70902.0 lumens
Efficiency: N/A
Efficacy: 171.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.8' x L: 3.78' x H: 0')
CIE Type: Direct

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°	39938	39938	39938
5°	39717	40076	40378
10°	39728	40106	40056
15°	39721	39714	39801
20°	39667	39607	39704
25°	39396	39597	39628
30°	39214	39416	39570
35°	38959	39173	39541
40°	38623	38989	39565
45°	38066	38641	39483
50°	37492	38257	39520
55°	36775	37728	39085
60°	35543	36804	30428
65°	33628	35584	20479
70°	31103	18890	19875
75°	27130	17951	18980
80°	20863	16467	17394
85°	10530	16643	17042



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2399.2	3.4
10°-20°	6869.5	9.7
20°-30°	10452.5	14.7
30°-40°	12708.8	17.9
40°-50°	13362.7	18.8
50°-60°	12201.7	17.2
60°-70°	7821.9	11.0
70°-80°	3695.0	5.2
80°-90°	1024.6	1.4
90°-100°	271.3	0.4
100°-110°	74.3	0.1
110°-120°	20.6	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°	19721.2	27.8
0°-40°	32429.9	45.7
0°-60°	57994.3	81.8
0°-90°	70535.8	99.5
90°-120°	366.2	0.5
90°-150°	366.2	0.5
90°-180°	366.0	0.5
0°-180°	70902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25254	25254	25254	25254	25254	
5°	25018	25116	25245	25382	25435	###
15°	24261	24442	24256	24292	24310	6849
25°	22577	22612	22692	22728	22710	10418
35°	20180	20060	20290	20539	20481	12611
45°	17020	16989	17277	17685	17654	13155
55°	13338	13236	13684	14140	14176	11895
65°	8986	8986	9509	5455	5472	8909
75°	4440	4524	2938	3093	3106	4680
85°	580	736	917	993	939	858
90°	0	248	408	483	474	25
95°	13	128	293	394	394	7
105°	22	49	71	71	67	22
115°	22	31	44	31	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-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25253.5	25253.5	25253.5	25253.5	25253.5
2.5°	25076.1	25160.6	25253.5	25373.1	25439.2
5°	25018.4	25116.0	25244.6	25382.0	25435.0
7.5°	24894.6	25031.6	25155.9	25253.5	25284.4
10°	24739.3	24903.5	24974.3	24965.4	24943.4
12.5°	24531.0	24704.1	24682.1	24579.8	24597.6
15°	24260.8	24442.3	24256.5	24291.7	24309.6
17.5°	23941.7	24119.1	23901.9	23972.7	23977.4
20°	23569.7	23702.5	23534.1	23591.8	23591.8
22.5°	23122.2	23215.0	23144.2	23184.1	23193.0
25°	22577.0	22612.2	22691.9	22727.6	22709.8
27.5°	22054.4	22009.8	22165.1	22249.1	22204.5
30°	21473.6	21402.7	21584.3	21721.8	21668.8
32.5°	20808.8	20764.7	20973.0	21136.7	21105.8
35°	20179.7	20060.1	20290.4	20538.6	20480.9
37.5°	19435.2	19364.3	19625.6	19887.4	19856.5
40°	18708.5	18588.8	18885.8	19195.9	19164.9
42.5°	17928.7	17786.6	18110.3	18482.8	18447.1
45°	17020.0	16989.1	17277.1	17684.8	17653.8
47.5°	16214.0	16058.7	16461.7	16856.3	16891.9
50°	15238.7	15181.4	15549.3	16027.8	16063.0
52.5°	14286.3	14246.4	14631.6	15114.8	15176.8
55°	13337.7	13235.9	13683.5	14140.0	14175.6
57.5°	12323.4	12216.9	12673.4	13169.8	13244.8
60°	11237.4	11135.6	11636.1	12097.3	9620.2
62.5°	10151.8	10080.9	10604.0	7511.0	6053.3
65°	8986.4	8986.4	9509.0	5454.7	5472.5
67.5°	7896.6	7825.8	7090.1	4900.7	4900.7
70°	6726.6	6753.3	4085.3	4294.1	4298.3
72.5°	5552.3	5649.9	3527.5	3695.4	3704.3
75°	4440.0	4524.4	2937.8	3093.1	3106.2
77.5°	3261.5	2508.0	2361.7	2481.8	2486.0
80°	2290.8	1581.9	1808.1	1923.0	1909.9
82.5°	1338.0	1107.6	1324.9	1409.3	1404.6
85°	580.3	735.6	917.2	992.7	939.2
87.5°	185.8	456.5	571.4	616.0	611.3
90°	0.0	248.2	407.7	482.7	474.3
92.5°	0.0	194.7	354.7	443.3	447.6
95°	13.1	128.5	292.7	394.5	394.5
97.5°	8.9	92.9	208.3	310.1	319.0
100°	8.9	75.1	137.5	221.4	226.1
102.5°	22.0	61.9	84.0	141.7	146.4
105°	22.0	48.8	70.8	70.8	66.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	26.7	35.7	48.8	35.7	4.2
115°	22.0	31.0	44.1	31.0	4.2
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°	22.0	44.1	61.9	39.9	13.1
110°	26.7	39.9	53.0	35.7	4.2



(END OF REPORT)