

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: P830674

Luminaire Tested: **OHBL-60SE-A-UNV-L850-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-A-UNV-L850-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 5000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

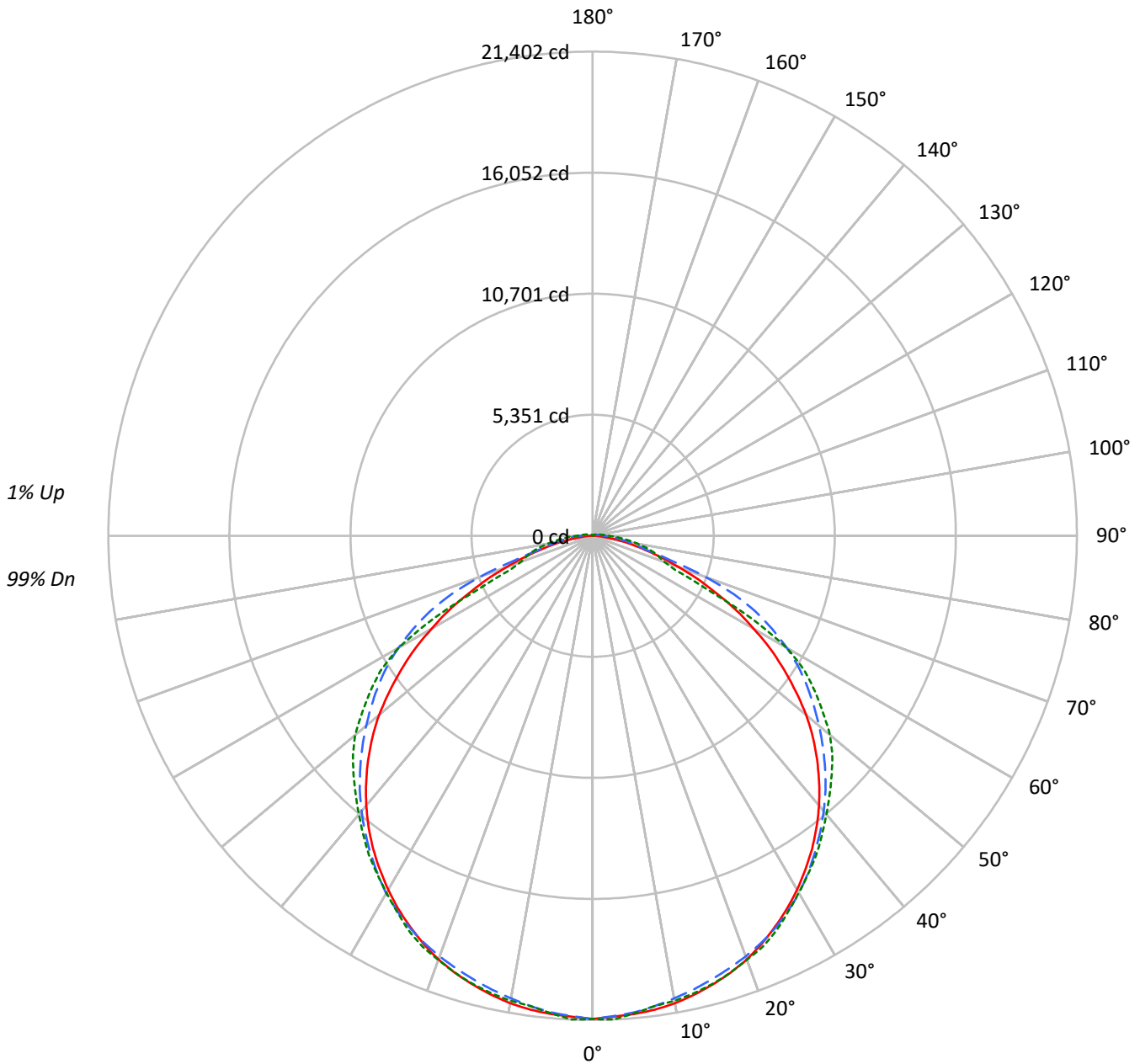
Lumens per Lamp: N/A
Luminaire Lumens: 60368.0 lumens
Efficiency: N/A
Efficacy: 166.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 362
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	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36480	36480	36480
5°	36241	35933	36002
10°	36108	35373	35579
15°	35879	34950	35318
20°	35650	34678	34982
25°	35220	34403	34648
30°	34752	33979	33967
35°	34193	33315	33579
40°	33465	32630	33058
45°	32458	31838	32808
50°	31092	30938	32510
55°	28922	30048	31253
60°	26080	28757	28845
65°	22372	26385	18241
70°	18020	20555	13187
75°	13510	12166	13326
80°	9404	10068	12637
85°	5352	9143	11690



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2013.9	3.3
10°-20°	5774.9	9.6
20°-30°	8820.1	14.6
30°-40°	10701.7	17.7
40°-50°	11216.5	18.6
50°-60°	10163.8	16.8
60°-70°	6814.4	11.3
70°-80°	3060.0	5.1
80°-90°	1110.4	1.8
90°-100°	334.2	0.6
100°-110°	157.7	0.3
110°-120°	79.0	0.1
120°-130°	43.6	0.1
130°-140°	30.0	0.0
140°-150°	20.2	0.0
150°-160°	15.0	0.0
160°-170°	9.6	0.0
170°-180°	3.1	0.0
0°-30°	16608.8	27.5
0°-40°	27310.6	45.2
0°-60°	48690.8	80.7
0°-90°	59675.6	98.9
90°-120°	571.0	0.9
90°-150°	664.7	1.1
90°-180°	692.0	1.1
0°-180°	60368.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21358	21358	21358	21358	21358	
5°	21219	21293	21145	21210	21182	###
15°	20531	20450	20305	20484	20509	5797
25°	19073	18990	19122	19298	19243	8792
35°	16905	16945	17118	17300	17232	10566
45°	14030	14258	14524	14895	14941	10808
55°	10324	10821	11559	12022	11995	9215
65°	6059	7007	7955	6714	5482	6037
75°	2384	3459	2545	2603	2773	2605
85°	411	788	1010	1220	1278	501
90°	3	262	522	655	686	25
95°	3	164	358	435	448	4
105°	12	71	176	213	222	14
115°	25	37	90	114	120	23
125°	22	25	56	65	68	21
135°	28	31	34	49	52	22
145°	28	31	31	34	37	18
155°	31	34	34	34	31	14
165°	34	34	34	34	34	10
175°	34	34	31	28	28	3
180°	31	31	31	31	31	



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CATALOG NUMBER: OHBL-60SE-A-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21358.2	21358.2	21358.2	21358.2	21358.2
2.5°	21271.8	21361.3	21250.2	21370.6	21401.5
5°	21219.3	21293.4	21145.2	21210.0	21182.2
7.5°	21123.5	21148.2	20972.2	21024.7	20969.1
10°	20981.5	20969.1	20762.2	20864.1	20876.5
12.5°	20771.5	20734.4	20549.1	20703.5	20706.6
15°	20530.6	20450.3	20305.2	20484.3	20509.0
17.5°	20252.7	20147.7	20051.9	20283.5	20246.5
20°	19928.4	19804.9	19786.3	20039.6	19946.9
22.5°	19526.9	19431.2	19474.4	19715.3	19656.6
25°	19073.0	18989.6	19122.4	19298.4	19242.8
27.5°	18594.3	18544.9	18696.2	18832.1	18724.0
30°	18069.3	18041.5	18242.2	18353.4	18217.5
32.5°	17498.0	17507.2	17698.7	17850.0	17723.4
35°	16905.0	16945.2	17118.1	17300.3	17232.4
37.5°	16253.4	16343.0	16515.9	16722.8	16651.8
40°	15564.7	15694.4	15885.9	16136.0	16071.2
42.5°	14820.5	14984.1	15231.2	15509.1	15503.0
45°	14029.9	14258.4	14524.0	14894.6	14940.9
47.5°	13208.4	13464.7	13801.3	14295.5	14366.5
50°	12315.9	12637.1	13057.1	13650.0	13693.2
52.5°	11321.5	11760.0	12315.9	12884.1	12831.6
55°	10324.0	10821.2	11559.3	12022.5	11994.7
57.5°	9329.6	9888.5	10784.1	11114.6	11111.5
60°	8217.8	8925.0	9904.0	10154.1	9907.1
62.5°	7189.4	7949.1	8965.2	8782.9	7936.8
65°	6059.1	7007.2	7955.3	6713.8	5481.6
67.5°	5055.4	6043.7	6757.1	4598.4	3937.5
70°	4045.6	5135.7	5268.5	3412.5	3366.2
72.5°	3150.0	4311.2	3634.9	2921.5	3069.7
75°	2384.1	3458.8	2544.7	2603.4	2773.2
77.5°	1738.7	2655.9	1979.6	2282.2	2421.2
80°	1195.1	1880.7	1615.1	1917.8	2013.5
82.5°	750.4	1241.5	1294.0	1544.1	1642.9
85°	410.7	787.5	1009.9	1219.9	1278.5
87.5°	169.9	475.6	772.1	941.9	991.3
90°	3.1	262.5	521.9	654.7	685.6
92.5°	3.1	200.7	426.2	528.1	549.7
95°	3.1	163.7	358.2	435.4	447.8
97.5°	6.2	129.7	299.6	361.3	373.7
100°	9.3	108.1	250.1	302.6	311.9
102.5°	12.4	86.5	210.0	253.2	262.5
105°	12.4	71.0	176.0	213.1	222.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.6	43.2	105.0	132.8	139.0
115°	24.7	37.1	89.6	114.3	120.4
117.5°	24.7	30.9	77.2	95.7	101.9
120°	24.7	27.8	67.9	83.4	86.5
122.5°	24.7	24.7	58.7	74.1	77.2
125°	21.6	24.7	55.6	64.9	67.9
127.5°	24.7	24.7	49.4	58.7	61.8
130°	24.7	27.8	43.2	55.6	55.6
132.5°	27.8	30.9	40.1	52.5	52.5
135°	27.8	30.9	34.0	49.4	52.5
137.5°	30.9	30.9	30.9	46.3	49.4
140°	30.9	30.9	27.8	40.1	43.2
142.5°	27.8	30.9	27.8	37.1	40.1
145°	27.8	30.9	30.9	34.0	37.1
147.5°	30.9	30.9	30.9	30.9	34.0
150°	30.9	30.9	30.9	30.9	30.9
152.5°	30.9	30.9	30.9	30.9	30.9
155°	30.9	34.0	34.0	34.0	30.9
157.5°	30.9	34.0	34.0	34.0	34.0
160°	30.9	34.0	34.0	34.0	34.0
162.5°	34.0	34.0	34.0	34.0	34.0
165°	34.0	34.0	34.0	34.0	34.0
167.5°	34.0	37.1	34.0	34.0	34.0
170°	34.0	34.0	34.0	30.9	30.9
172.5°	34.0	34.0	34.0	30.9	30.9
175°	34.0	34.0	30.9	27.8	27.8
177.5°	37.1	34.0	30.9	27.8	24.7
180°	30.9	30.9	30.9	30.9	30.9



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	15.4	58.7	151.3	182.2	<i>188.4</i>
110°	18.5	49.4	126.6	154.4	<i>160.6</i>



(END OF REPORT)