

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: P830668

Luminaire Tested: **OHBL-60SE-A-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830668
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-L735-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

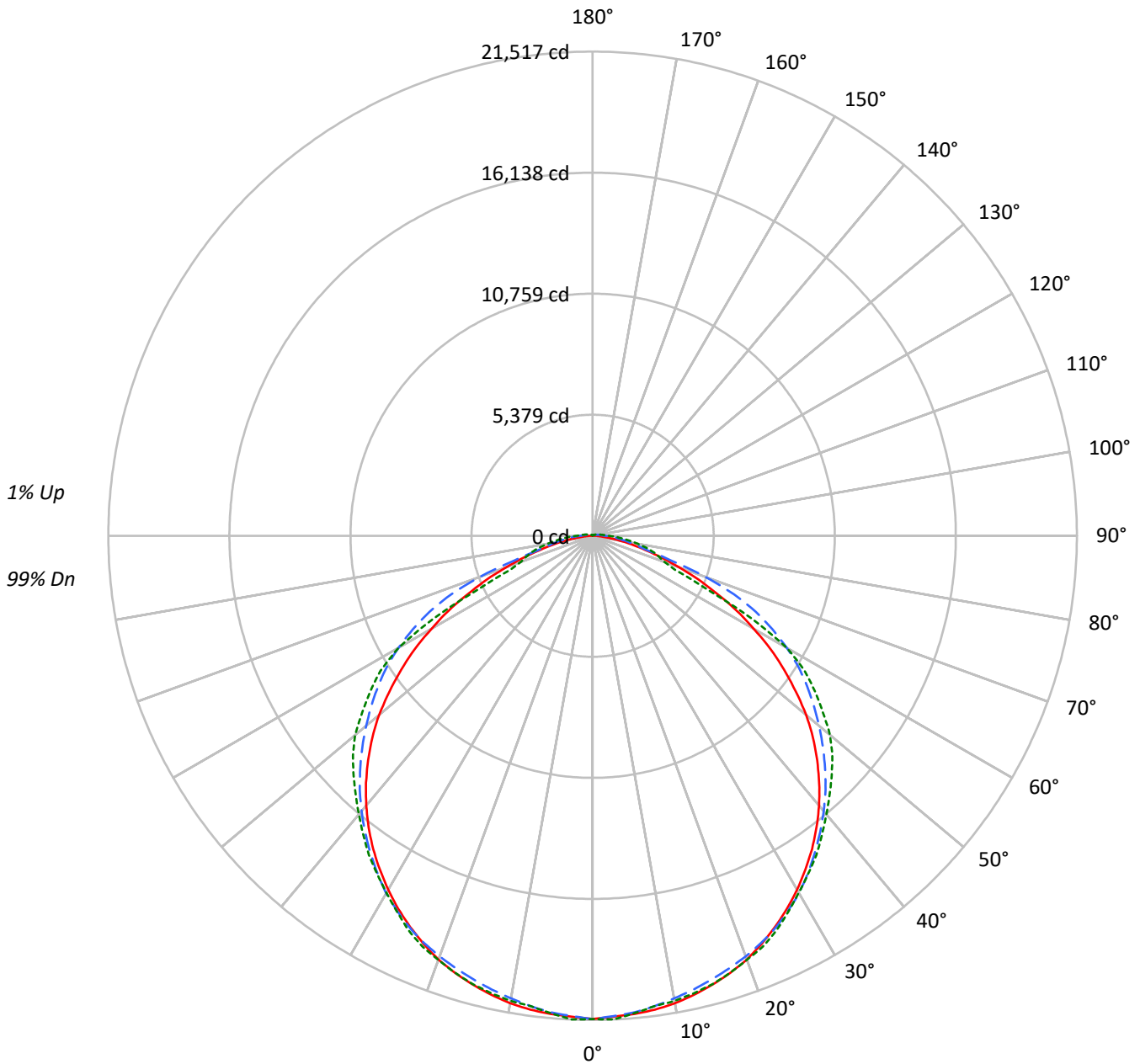
Lumens per Lamp: N/A
Luminaire Lumens: 60695.0 lumens
Efficiency: N/A
Efficacy: 167.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	36677	36677	36677
5°	36437	36128	36197
10°	36304	35565	35772
15°	36074	35139	35510
20°	35843	34865	35172
25°	35411	34589	34836
30°	34940	34163	34151
35°	34378	33496	33761
40°	33647	32806	33237
45°	32634	32010	32985
50°	31260	31105	32686
55°	29078	30211	31423
60°	26222	28912	29001
65°	22494	26528	18340
70°	18118	20667	13258
75°	13583	12232	13399
80°	9455	10123	12705
85°	5382	9191	11754



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2024.8	3.3
10°-20°	5806.1	9.6
20°-30°	8867.8	14.6
30°-40°	10759.7	17.7
40°-50°	11277.2	18.6
50°-60°	10218.8	16.8
60°-70°	6851.3	11.3
70°-80°	3076.6	5.1
80°-90°	1116.4	1.8
90°-100°	336.1	0.6
100°-110°	158.6	0.3
110°-120°	79.5	0.1
120°-130°	43.8	0.1
130°-140°	30.1	0.0
140°-150°	20.3	0.0
150°-160°	15.1	0.0
160°-170°	9.7	0.0
170°-180°	3.1	0.0
0°-30°	16698.8	27.5
0°-40°	27458.5	45.2
0°-60°	48954.5	80.7
0°-90°	59998.8	98.9
90°-120°	574.1	0.9
90°-150°	668.3	1.1
90°-180°	696.0	1.1
0°-180°	60695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21474	21474	21474	21474	21474	
5°	21334	21409	21260	21325	21297	###
15°	20642	20561	20415	20595	20620	5828
25°	19176	19092	19226	19403	19347	8839
35°	16997	17037	17211	17394	17326	10623
45°	14106	14336	14603	14975	15022	10866
55°	10380	10880	11622	12088	12060	9265
65°	6092	7045	7998	6750	5511	6070
75°	2397	3478	2558	2618	2788	2620
85°	413	792	1015	1226	1286	504
90°	3	264	525	658	689	25
95°	3	165	360	438	450	4
105°	12	71	177	214	224	14
115°	25	37	90	115	121	23
125°	22	25	56	65	68	22
135°	28	31	34	50	53	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-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21473.9	21473.9	21473.9	21473.9	21473.9
2.5°	21387.0	21477.0	21365.3	21486.4	21517.4
5°	21334.2	21408.7	21259.7	21324.9	21297.0
7.5°	21238.0	21262.8	21085.8	21138.6	21082.7
10°	21095.1	21082.7	20874.7	20977.1	20989.6
12.5°	20884.0	20846.7	20660.4	20815.7	20818.8
15°	20641.8	20561.1	20415.1	20595.2	20620.1
17.5°	20362.4	20256.8	20160.5	20393.4	20356.2
20°	20036.3	19912.1	19893.5	20148.1	20055.0
22.5°	19632.7	19536.4	19579.9	19822.1	19763.1
25°	19176.3	19092.4	19225.9	19402.9	19347.0
27.5°	18695.0	18645.3	18797.5	18934.1	18825.4
30°	18167.2	18139.2	18341.0	18452.8	18316.2
32.5°	17592.7	17602.1	17794.6	17946.7	17819.4
35°	16996.6	17036.9	17210.8	17394.0	17325.7
37.5°	16341.4	16431.5	16605.4	16813.4	16742.0
40°	15649.0	15779.4	15971.9	16223.4	16158.2
42.5°	14900.7	15065.3	15313.7	15593.1	15586.9
45°	14105.9	14335.6	14602.7	14975.2	15021.8
47.5°	13279.9	13537.7	13876.1	14372.9	14444.3
50°	12382.6	12705.5	13127.8	13723.9	13767.4
52.5°	11382.8	11823.7	12382.6	12953.9	12901.1
55°	10379.9	10879.8	11621.9	12087.6	12059.7
57.5°	9380.1	9942.1	10842.5	11174.8	11171.7
60°	8262.3	8973.4	9957.6	10209.1	9960.7
62.5°	7228.4	7992.2	9013.7	8830.5	7979.8
65°	6091.9	7045.2	7998.4	6750.2	5511.3
67.5°	5082.8	6076.4	6793.7	4623.3	3958.8
70°	4067.5	5163.6	5297.1	3431.0	3384.4
72.5°	3167.1	4334.5	3654.5	2937.3	3086.3
75°	2397.0	3477.6	2558.5	2617.5	2788.3
77.5°	1748.1	2670.3	1990.3	2294.6	2434.3
80°	1201.6	1890.9	1623.9	1928.2	2024.4
82.5°	754.5	1248.2	1301.0	1552.5	1651.8
85°	413.0	791.8	1015.3	1226.5	1285.5
87.5°	170.8	478.2	776.2	947.0	996.7
90°	3.1	263.9	524.7	658.3	689.3
92.5°	3.1	201.8	428.5	530.9	552.7
95°	3.1	164.6	360.2	437.8	450.2
97.5°	6.2	130.4	301.2	363.3	375.7
100°	9.3	108.7	251.5	304.3	313.6
102.5°	12.4	86.9	211.1	254.6	263.9
105°	12.4	71.4	177.0	214.2	223.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	21.7	43.5	105.6	133.5	139.7
115°	24.8	37.3	90.0	114.9	121.1
117.5°	24.8	31.0	77.6	96.3	102.5
120°	24.8	27.9	68.3	83.8	86.9
122.5°	24.8	24.8	59.0	74.5	77.6
125°	21.7	24.8	55.9	65.2	68.3
127.5°	24.8	24.8	49.7	59.0	62.1
130°	24.8	27.9	43.5	55.9	55.9
132.5°	27.9	31.0	40.4	52.8	52.8
135°	27.9	31.0	34.2	49.7	52.8
137.5°	31.0	31.0	31.0	46.6	49.7
140°	31.0	31.0	27.9	40.4	43.5
142.5°	27.9	31.0	27.9	37.3	40.4
145°	27.9	31.0	31.0	34.2	37.3
147.5°	31.0	31.0	31.0	31.0	34.2
150°	31.0	31.0	31.0	31.0	31.0
152.5°	31.0	31.0	31.0	31.0	31.0
155°	31.0	34.2	34.2	34.2	31.0
157.5°	31.0	34.2	34.2	34.2	34.2
160°	31.0	34.2	34.2	34.2	34.2
162.5°	34.2	34.2	34.2	34.2	34.2
165°	34.2	34.2	34.2	34.2	34.2
167.5°	34.2	37.3	34.2	34.2	34.2
170°	34.2	34.2	34.2	31.0	31.0
172.5°	34.2	34.2	34.2	31.0	31.0
175°	34.2	34.2	31.0	27.9	27.9
177.5°	37.3	34.2	31.0	27.9	24.8
180°	31.0	31.0	31.0	31.0	31.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	15.5	59.0	152.1	183.2	<i>189.4</i>
110°	18.6	49.7	127.3	155.2	<i>161.5</i>



(END OF REPORT)