

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: P830675

Luminaire Tested: **OHBL-60SE-A-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830675
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-L930-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

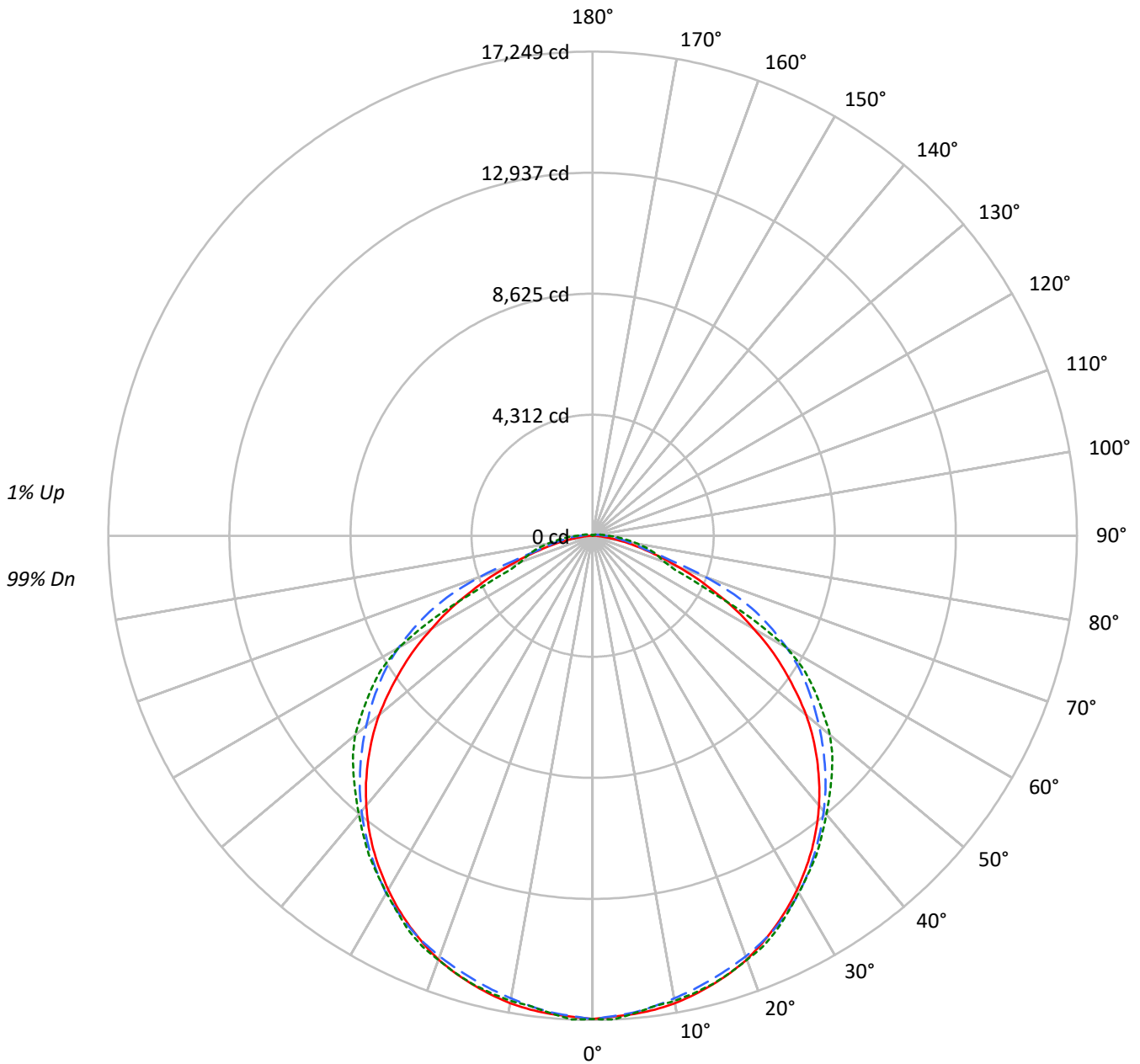
Lumens per Lamp: N/A
Luminaire Lumens: 48656.0 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	29402	29402	29402
5°	29210	28962	29017
10°	29103	28510	28677
15°	28918	28170	28466
20°	28733	27950	28195
25°	28387	27728	27926
30°	28010	27386	27377
35°	27559	26852	27064
40°	26973	26299	26645
45°	26160	25661	26443
50°	25060	24936	26203
55°	23311	24219	25190
60°	21021	23177	23249
65°	18032	21266	14702
70°	14524	16568	10628
75°	10889	9806	10741
80°	7580	8115	10185
85°	4313	7368	9423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1623.2	3.3
10°-20°	4654.5	9.6
20°-30°	7108.9	14.6
30°-40°	8625.5	17.7
40°-50°	9040.3	18.6
50°-60°	8191.9	16.8
60°-70°	5492.4	11.3
70°-80°	2466.3	5.1
80°-90°	895.0	1.8
90°-100°	269.4	0.6
100°-110°	127.1	0.3
110°-120°	63.7	0.1
120°-130°	35.1	0.1
130°-140°	24.2	0.0
140°-150°	16.3	0.0
150°-160°	12.1	0.0
160°-170°	7.8	0.0
170°-180°	2.5	0.0
0°-30°	13386.5	27.5
0°-40°	22012.0	45.2
0°-60°	39244.3	80.7
0°-90°	48097.9	98.9
90°-120°	460.2	0.9
90°-150°	535.8	1.1
90°-180°	558.0	1.1
0°-180°	48656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17214	17214	17214	17214	17214	
5°	17102	17162	17043	17095	17073	###
15°	16548	16483	16366	16510	16530	4672
25°	15373	15305	15412	15554	15510	7086
35°	13625	13658	13797	13944	13889	8516
45°	11308	11492	11706	12005	12042	8711
55°	8321	8722	9317	9690	9668	7428
65°	4884	5648	6412	5411	4418	4866
75°	1922	2788	2051	2098	2235	2100
85°	331	635	814	983	1030	404
90°	2	212	421	528	553	20
95°	2	132	289	351	361	3
105°	10	57	142	172	179	12
115°	20	30	72	92	97	18
125°	17	20	45	52	55	17
135°	22	25	27	40	42	18
145°	22	25	25	27	30	15
155°	25	27	27	27	25	12
165°	27	27	27	27	27	8
175°	27	27	25	22	22	3
180°	25	25	25	25	25	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17214.5	17214.5	17214.5	17214.5	17214.5
2.5°	17144.8	17217.0	17127.4	17224.5	17249.4
5°	17102.5	17162.3	17042.8	17095.1	17072.7
7.5°	17025.4	17045.3	16903.4	16945.7	16900.9
10°	16910.9	16900.9	16734.1	16816.3	16826.2
12.5°	16741.6	16711.7	16562.4	16686.8	16689.3
15°	16547.5	16482.7	16365.8	16510.1	16530.0
17.5°	16323.4	16238.8	16161.6	16348.3	16318.5
20°	16062.1	15962.5	15947.6	16151.7	16077.0
22.5°	15738.5	15661.3	15696.2	15890.3	15843.0
25°	15372.6	15305.4	15412.4	15554.3	15509.5
27.5°	14986.8	14947.0	15068.9	15178.5	15091.3
30°	14563.7	14541.3	14703.0	14792.7	14683.1
32.5°	14103.2	14110.6	14265.0	14386.9	14284.9
35°	13625.3	13657.6	13797.0	13943.9	13889.1
37.5°	13100.1	13172.3	13311.6	13478.4	13421.2
40°	12545.0	12649.5	12803.9	13005.5	12953.2
42.5°	11945.1	12077.1	12276.2	12500.2	12495.2
45°	11307.9	11492.1	11706.2	12004.9	12042.2
47.5°	10645.8	10852.4	11123.7	11522.0	11579.2
50°	9926.5	10185.3	10523.9	11001.8	11036.6
52.5°	9125.0	9478.4	9926.5	10384.5	10342.2
55°	8321.0	8721.8	9316.7	9690.0	9667.6
57.5°	7519.5	7970.1	8691.9	8958.2	8955.7
60°	6623.5	7193.5	7982.5	8184.1	7985.0
62.5°	5794.6	6406.9	7225.8	7079.0	6397.0
65°	4883.6	5647.7	6411.9	5411.3	4418.1
67.5°	4074.6	4871.1	5446.1	3706.3	3173.6
70°	3260.7	4139.4	4246.4	2750.4	2713.1
72.5°	2538.9	3474.8	2929.7	2354.7	2474.2
75°	1921.6	2787.8	2051.0	2098.3	2235.2
77.5°	1401.4	2140.6	1595.5	1839.4	1951.4
80°	963.3	1515.9	1301.8	1545.7	1622.9
82.5°	604.8	1000.6	1042.9	1244.5	1324.2
85°	331.0	634.7	813.9	983.2	1030.5
87.5°	136.9	383.3	622.3	759.2	799.0
90°	2.5	211.6	420.7	527.7	552.6
92.5°	2.5	161.8	343.5	425.6	443.1
95°	2.5	131.9	288.7	351.0	360.9
97.5°	5.0	104.5	241.4	291.2	301.2
100°	7.5	87.1	201.6	243.9	251.4
102.5°	10.0	69.7	169.3	204.1	211.6
105°	10.0	57.2	141.9	171.7	179.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	17.4	34.8	84.6	107.0	112.0
115°	19.9	29.9	72.2	92.1	97.1
117.5°	19.9	24.9	62.2	77.2	82.1
120°	19.9	22.4	54.8	67.2	69.7
122.5°	19.9	19.9	47.3	59.7	62.2
125°	17.4	19.9	44.8	52.3	54.8
127.5°	19.9	19.9	39.8	47.3	49.8
130°	19.9	22.4	34.8	44.8	44.8
132.5°	22.4	24.9	32.4	42.3	42.3
135°	22.4	24.9	27.4	39.8	42.3
137.5°	24.9	24.9	24.9	37.3	39.8
140°	24.9	24.9	22.4	32.4	34.8
142.5°	22.4	24.9	22.4	29.9	32.4
145°	22.4	24.9	24.9	27.4	29.9
147.5°	24.9	24.9	24.9	24.9	27.4
150°	24.9	24.9	24.9	24.9	24.9
152.5°	24.9	24.9	24.9	24.9	24.9
155°	24.9	27.4	27.4	27.4	24.9
157.5°	24.9	27.4	27.4	27.4	27.4
160°	24.9	27.4	27.4	27.4	27.4
162.5°	27.4	27.4	27.4	27.4	27.4
165°	27.4	27.4	27.4	27.4	27.4
167.5°	27.4	29.9	27.4	27.4	27.4
170°	27.4	27.4	27.4	24.9	24.9
172.5°	27.4	27.4	27.4	24.9	24.9
175°	27.4	27.4	24.9	22.4	22.4
177.5°	29.9	27.4	24.9	22.4	19.9
180°	24.9	24.9	24.9	24.9	24.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	12.4	47.3	122.0	146.9	151.8
110°	14.9	39.8	102.1	124.5	129.4



(END OF REPORT)