

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: P830669

Luminaire Tested: **OHBL-60SE-A-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830669
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-L740-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

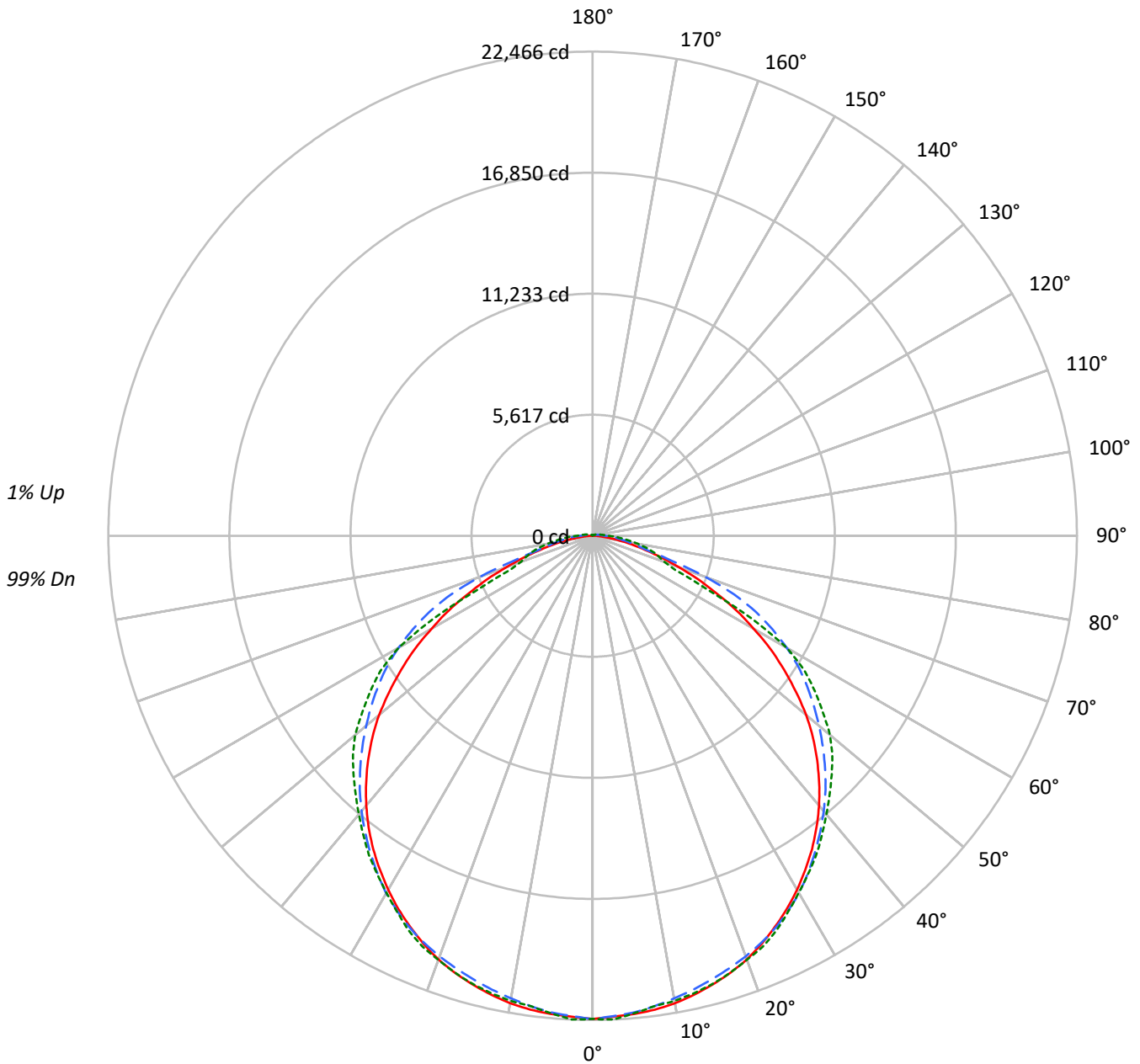
Lumens per Lamp: N/A
Luminaire Lumens: 63370.0 lumens
Efficiency: N/A
Efficacy: 175.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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°	38294	38294	38294
5°	38043	37720	37793
10°	37904	37132	37349
15°	37664	36688	37075
20°	37423	36402	36722
25°	36971	36113	36371
30°	36480	35668	35656
35°	35893	34972	35249
40°	35130	34252	34702
45°	34072	33421	34439
50°	32638	32476	34127
55°	30360	31543	32808
60°	27377	30187	30280
65°	23485	27697	19148
70°	18917	21577	13842
75°	14182	12771	13989
80°	9872	10569	13265
85°	5619	9597	12272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2114.0	3.3
10°-20°	6062.0	9.6
20°-30°	9258.7	14.6
30°-40°	11233.9	17.7
40°-50°	11774.2	18.6
50°-60°	10669.2	16.8
60°-70°	7153.3	11.3
70°-80°	3212.1	5.1
80°-90°	1165.7	1.8
90°-100°	350.9	0.6
100°-110°	165.6	0.3
110°-120°	83.0	0.1
120°-130°	45.8	0.1
130°-140°	31.5	0.0
140°-150°	21.2	0.0
150°-160°	15.7	0.0
160°-170°	10.1	0.0
170°-180°	3.2	0.0
0°-30°	17434.7	27.5
0°-40°	28668.7	45.2
0°-60°	51112.1	80.7
0°-90°	62643.2	98.9
90°-120°	599.4	0.9
90°-150°	697.8	1.1
90°-180°	727.0	1.1
0°-180°	63370.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22420	22420	22420	22420	22420	
5°	22274	22352	22197	22265	22236	###
15°	21552	21467	21315	21503	21529	6085
25°	20021	19934	20073	20258	20200	9229
35°	17746	17788	17969	18161	18089	11092
45°	14728	14967	15246	15635	15684	11345
55°	10837	11359	12134	12620	12591	9674
65°	6360	7356	8351	7048	5754	6337
75°	2503	3631	2671	2733	2911	2735
85°	431	827	1060	1280	1342	526
90°	3	276	548	687	720	26
95°	3	172	376	457	470	4
105°	13	75	185	224	233	15
115°	26	39	94	120	126	24
125°	23	26	58	68	71	23
135°	29	32	36	52	55	23
145°	29	32	32	36	39	19
155°	32	36	36	36	32	15
165°	36	36	36	36	36	10
175°	36	36	32	29	29	3
180°	32	32	32	32	32	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22420.4	22420.4	22420.4	22420.4	22420.4
2.5°	22329.6	22423.6	22306.9	22433.3	22465.7
5°	22274.5	22352.3	22196.7	22264.8	22235.6
7.5°	22174.0	22199.9	22015.1	22070.2	22011.9
10°	22024.9	22011.9	21794.7	21901.7	21914.6
12.5°	21804.4	21765.5	21571.0	21733.1	21736.3
15°	21551.6	21467.3	21314.9	21502.9	21528.9
17.5°	21259.8	21149.6	21049.1	21292.2	21253.3
20°	20919.4	20789.7	20770.3	21036.1	20938.9
22.5°	20498.0	20397.5	20442.9	20695.7	20634.1
25°	20021.4	19933.9	20073.3	20258.1	20199.7
27.5°	19518.9	19467.1	19625.9	19768.6	19655.1
30°	18967.8	18938.7	19149.4	19266.1	19123.4
32.5°	18368.1	18377.8	18578.8	18737.7	18604.7
35°	17745.7	17787.8	17969.4	18160.6	18089.3
37.5°	17061.6	17155.7	17337.2	17554.4	17479.8
40°	16338.7	16474.9	16675.9	16938.5	16870.4
42.5°	15557.4	15729.3	15988.6	16280.4	16273.9
45°	14727.5	14967.4	15246.2	15635.3	15683.9
47.5°	13865.2	14134.3	14487.6	15006.3	15080.9
50°	12928.3	13265.5	13706.4	14328.8	14374.2
52.5°	11884.5	12344.8	12928.3	13524.8	13469.7
55°	10837.4	11359.3	12134.1	12620.4	12591.2
57.5°	9793.5	10380.3	11320.4	11667.3	11664.0
60°	8626.5	9368.8	10396.5	10659.1	10399.7
62.5°	7546.9	8344.4	9411.0	9219.7	8331.5
65°	6360.4	7355.7	8350.9	7047.7	5754.2
67.5°	5306.8	6344.2	7093.1	4827.1	4133.3
70°	4246.8	5391.1	5530.5	3582.2	3533.6
72.5°	3306.6	4525.6	3815.6	3066.8	3222.4
75°	2502.7	3630.8	2671.3	2732.8	2911.1
77.5°	1825.1	2788.0	2078.0	2395.7	2541.6
80°	1254.6	1974.3	1695.5	2013.2	2113.7
82.5°	787.8	1303.2	1358.3	1620.9	1724.6
85°	431.2	826.7	1060.1	1280.5	1342.1
87.5°	178.3	499.2	810.5	988.8	1040.6
90°	3.2	275.6	547.9	687.3	719.7
92.5°	3.2	210.7	447.4	554.3	577.0
95°	3.2	171.8	376.0	457.1	470.1
97.5°	6.5	136.2	314.5	379.3	392.3
100°	9.7	113.5	262.6	317.7	327.4
102.5°	13.0	90.8	220.4	265.8	275.6
105°	13.0	74.6	184.8	223.7	233.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.7	45.4	110.2	139.4	145.9
115°	25.9	38.9	94.0	119.9	126.4
117.5°	25.9	32.4	81.0	100.5	107.0
120°	25.9	29.2	71.3	87.5	90.8
122.5°	25.9	25.9	61.6	77.8	81.0
125°	22.7	25.9	58.4	68.1	71.3
127.5°	25.9	25.9	51.9	61.6	64.8
130°	25.9	29.2	45.4	58.4	58.4
132.5°	29.2	32.4	42.1	55.1	55.1
135°	29.2	32.4	35.7	51.9	55.1
137.5°	32.4	32.4	32.4	48.6	51.9
140°	32.4	32.4	29.2	42.1	45.4
142.5°	29.2	32.4	29.2	38.9	42.1
145°	29.2	32.4	32.4	35.7	38.9
147.5°	32.4	32.4	32.4	32.4	35.7
150°	32.4	32.4	32.4	32.4	32.4
152.5°	32.4	32.4	32.4	32.4	32.4
155°	32.4	35.7	35.7	35.7	32.4
157.5°	32.4	35.7	35.7	35.7	35.7
160°	32.4	35.7	35.7	35.7	35.7
162.5°	35.7	35.7	35.7	35.7	35.7
165°	35.7	35.7	35.7	35.7	35.7
167.5°	35.7	38.9	35.7	35.7	35.7
170°	35.7	35.7	35.7	32.4	32.4
172.5°	35.7	35.7	35.7	32.4	32.4
175°	35.7	35.7	32.4	29.2	29.2
177.5°	38.9	35.7	32.4	29.2	25.9
180°	32.4	32.4	32.4	32.4	32.4



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	16.2	61.6	158.8	191.3	197.8
110°	19.5	51.9	132.9	162.1	168.6



(END OF REPORT)