

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: P830681

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830681
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-MCL-UNV-L740-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND MEDIUM CLEAR LENS
Light Source: -
Ballast/Driver: -

Summary

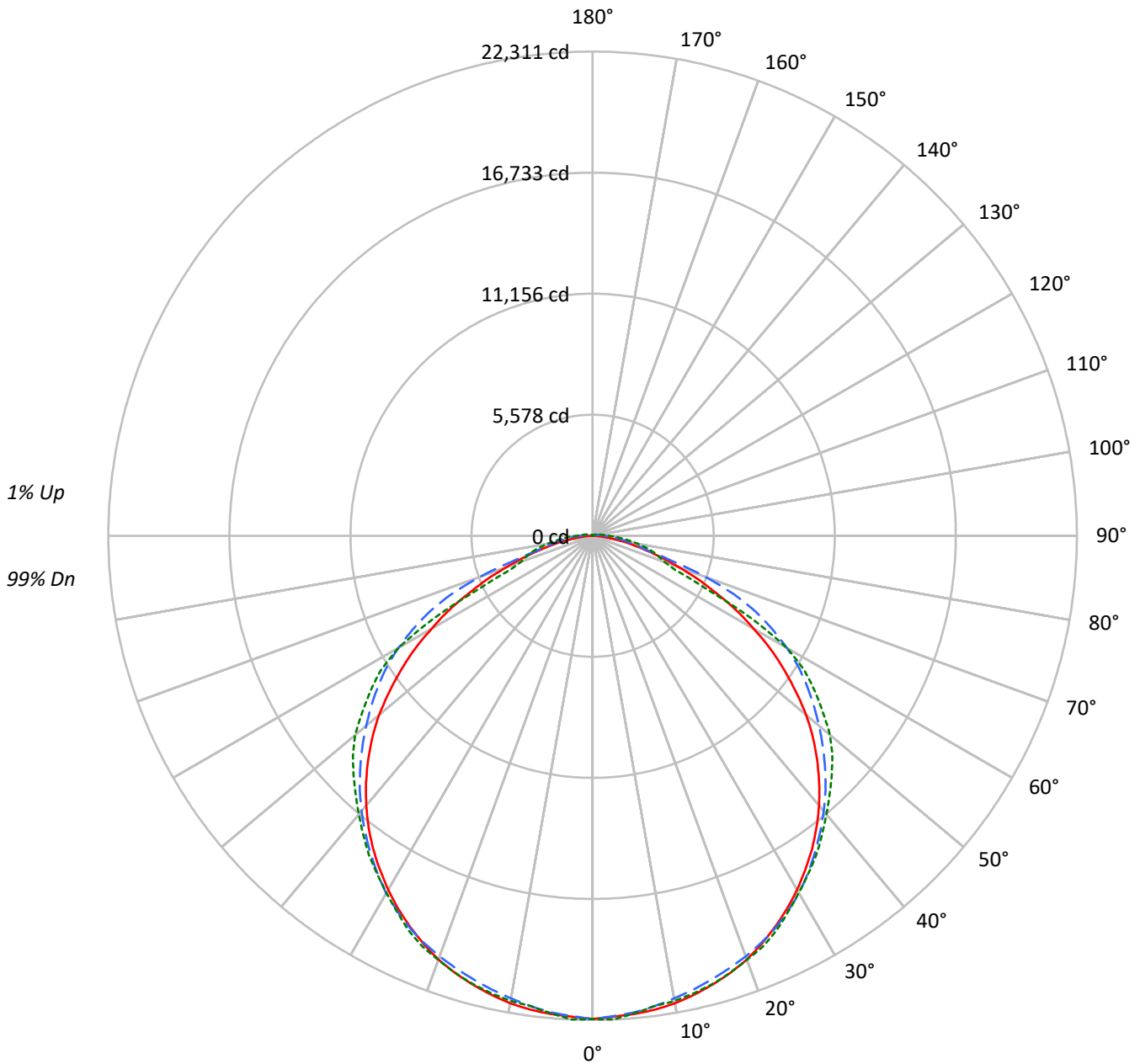
Lumens per Lamp: N/A
Luminaire Lumens: 62934.0 lumens
Efficiency: N/A
Efficacy: 173.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 362
Input Voltage (V): NR
Input Current (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	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°	38030	38030	38030
5°	37781	37461	37532
10°	37643	36877	37092
15°	37404	36436	36819
20°	37165	36152	36469
25°	36717	35865	36121
30°	36229	35423	35411
35°	35646	34731	35006
40°	34888	34016	34463
45°	33837	33191	34202
50°	32413	32253	33892
55°	30151	31325	32582
60°	27189	29979	30071
65°	23324	27507	19016
70°	18786	21429	13747
75°	14085	12684	13893
80°	9803	10496	13174
85°	5580	9531	12188



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2099.5	3.3
10°-20°	6020.3	9.6
20°-30°	9194.9	14.6
30°-40°	11156.6	17.7
40°-50°	11693.2	18.6
50°-60°	10595.8	16.8
60°-70°	7104.1	11.3
70°-80°	3190.0	5.1
80°-90°	1157.6	1.8
90°-100°	348.5	0.6
100°-110°	164.4	0.3
110°-120°	82.4	0.1
120°-130°	45.5	0.1
130°-140°	31.3	0.0
140°-150°	21.0	0.0
150°-160°	15.6	0.0
160°-170°	10.0	0.0
170°-180°	3.2	0.0
0°-30°	17314.8	27.5
0°-40°	28471.4	45.2
0°-60°	50760.4	80.7
0°-90°	62212.2	98.9
90°-120°	595.3	0.9
90°-150°	693.0	1.1
90°-180°	722.0	1.1
0°-180°	62934.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22266	22266	22266	22266	22266	
5°	22121	22198	22044	22112	22083	###
15°	21403	21320	21168	21355	21381	6043
25°	19884	19797	19935	20119	20061	9165
35°	17624	17665	17846	18036	17965	11015
45°	14626	14864	15141	15528	15576	11267
55°	10763	11281	12051	12534	12505	9607
65°	6317	7305	8293	6999	5715	6294
75°	2486	3606	2653	2714	2891	2716
85°	428	821	1053	1272	1333	522
90°	3	274	544	682	715	26
95°	3	171	374	454	467	4
105°	13	74	184	222	232	15
115°	26	39	93	119	126	24
125°	22	26	58	68	71	22
135°	29	32	35	52	55	23
145°	29	32	32	35	39	19
155°	32	35	35	35	32	15
165°	35	35	35	35	35	10
175°	35	35	32	29	29	3
180°	32	32	32	32	32	



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CATALOG NUMBER: OHBL-60SE-MCL-UNV-L740-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22266.1	22266.1	22266.1	22266.1	22266.1
2.5°	22176.0	22269.3	22153.4	22279.0	22311.2
5°	22121.2	22198.5	22044.0	22111.6	22082.6
7.5°	22021.4	22047.2	21863.7	21918.4	21860.4
10°	21873.3	21860.4	21644.7	21751.0	21763.9
12.5°	21654.4	21615.8	21422.6	21583.6	21586.8
15°	21403.3	21319.6	21168.3	21355.0	21380.7
17.5°	21113.5	21004.1	20904.3	21145.7	21107.1
20°	20775.5	20646.7	20627.4	20891.4	20794.8
22.5°	20356.9	20257.1	20302.2	20553.3	20492.2
25°	19883.7	19796.7	19935.2	20118.7	20060.7
27.5°	19384.6	19333.1	19490.9	19632.5	19519.9
30°	18837.3	18808.4	19017.6	19133.5	18991.9
32.5°	18241.7	18251.4	18451.0	18608.7	18476.7
35°	17623.6	17665.4	17845.7	18035.7	17964.8
37.5°	16944.3	17037.6	17217.9	17433.6	17359.6
40°	16226.3	16361.5	16561.1	16821.9	16754.3
42.5°	15450.4	15621.0	15878.6	16168.4	16161.9
45°	14626.2	14864.5	15141.3	15527.7	15576.0
47.5°	13769.8	14037.0	14388.0	14903.1	14977.1
50°	12839.4	13174.2	13612.1	14230.2	14275.3
52.5°	11802.7	12259.9	12839.4	13431.8	13377.0
55°	10762.8	11281.1	12050.6	12533.5	12504.6
57.5°	9726.1	10308.9	11242.5	11587.0	11583.8
60°	8567.1	9304.4	10325.0	10585.7	10328.2
62.5°	7495.0	8287.0	9346.2	9156.3	8274.1
65°	6316.7	7305.1	8293.4	6999.2	5714.6
67.5°	5270.3	6300.6	7044.3	4793.8	4104.9
70°	4217.6	5354.0	5492.5	3557.6	3509.3
72.5°	3283.9	4494.4	3789.4	3045.7	3200.2
75°	2485.5	3605.8	2652.9	2714.0	2891.1
77.5°	1812.6	2768.8	2063.7	2379.2	2524.1
80°	1245.9	1960.7	1683.8	1999.3	2099.1
82.5°	782.3	1294.2	1349.0	1609.8	1712.8
85°	428.2	821.0	1052.8	1271.7	1332.9
87.5°	177.1	495.8	804.9	981.9	1033.5
90°	3.2	273.7	544.1	682.5	714.7
92.5°	3.2	209.3	444.3	550.5	573.1
95°	3.2	170.6	373.5	454.0	466.8
97.5°	6.4	135.2	312.3	376.7	389.6
100°	9.7	112.7	260.8	315.5	325.2
102.5°	12.9	90.1	218.9	264.0	273.7
105°	12.9	74.0	183.5	222.1	231.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.5	45.1	109.5	138.4	144.9
115°	25.8	38.6	93.4	119.1	125.6
117.5°	25.8	32.2	80.5	99.8	106.2
120°	25.8	29.0	70.8	86.9	90.1
122.5°	25.8	25.8	61.2	77.3	80.5
125°	22.5	25.8	58.0	67.6	70.8
127.5°	25.8	25.8	51.5	61.2	64.4
130°	25.8	29.0	45.1	58.0	58.0
132.5°	29.0	32.2	41.9	54.7	54.7
135°	29.0	32.2	35.4	51.5	54.7
137.5°	32.2	32.2	32.2	48.3	51.5
140°	32.2	32.2	29.0	41.9	45.1
142.5°	29.0	32.2	29.0	38.6	41.9
145°	29.0	32.2	32.2	35.4	38.6
147.5°	32.2	32.2	32.2	32.2	35.4
150°	32.2	32.2	32.2	32.2	32.2
152.5°	32.2	32.2	32.2	32.2	32.2
155°	32.2	35.4	35.4	35.4	32.2
157.5°	32.2	35.4	35.4	35.4	35.4
160°	32.2	35.4	35.4	35.4	35.4
162.5°	35.4	35.4	35.4	35.4	35.4
165°	35.4	35.4	35.4	35.4	35.4
167.5°	35.4	38.6	35.4	35.4	35.4
170°	35.4	35.4	35.4	32.2	32.2
172.5°	35.4	35.4	35.4	32.2	32.2
175°	35.4	35.4	32.2	29.0	29.0
177.5°	38.6	35.4	32.2	29.0	25.8
180°	32.2	32.2	32.2	32.2	32.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	16.1	61.2	157.8	190.0	196.4
110°	19.3	51.5	132.0	161.0	167.4



(END OF REPORT)