

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: P829667

Luminaire Tested: **OHBL-100SE-A-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829667
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-100SE-A-UNV-L930-CD
Description: 100000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

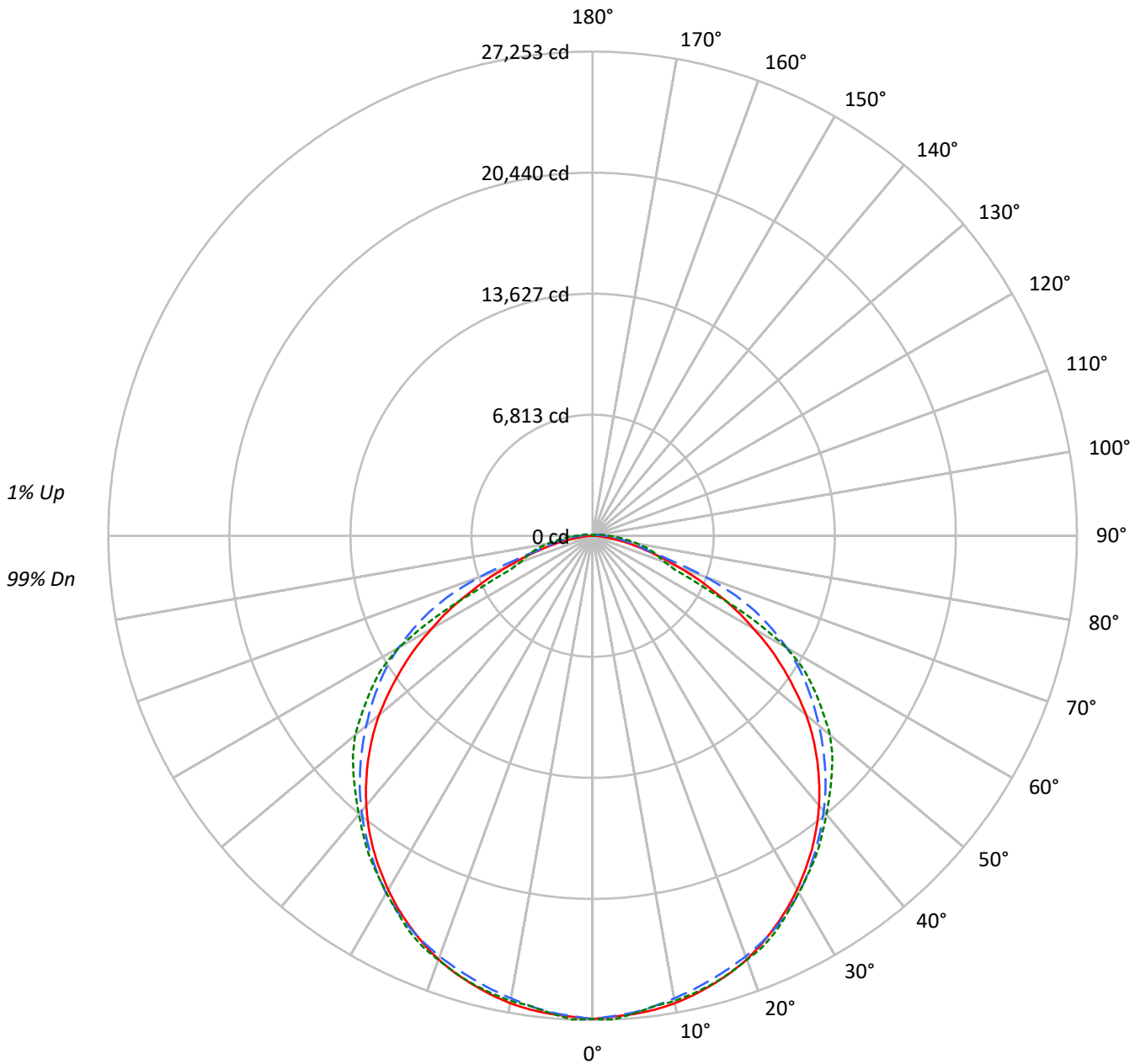
Lumens per Lamp: N/A
Luminaire Lumens: 76873.0 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 590.1
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°	43012	43012	43012
5°	42731	42388	42477
10°	42575	41746	42005
15°	42305	41265	41724
20°	42034	40963	41354
25°	41527	40658	40988
30°	40975	40178	40213
35°	40316	39417	39785
40°	39459	38629	39203
45°	38270	37719	38945
50°	36660	36682	38637
55°	34101	35662	37195
60°	30751	34170	34387
65°	26379	31400	21793
70°	21247	24512	15800
75°	15930	14551	16036
80°	11088	12099	15310
85°	6310	11086	14351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2564.5	3.3
10°-20°	7353.8	9.6
20°-30°	11231.5	14.6
30°-40°	13627.7	17.7
40°-50°	14283.1	18.6
50°-60°	12942.6	16.8
60°-70°	8677.5	11.3
70°-80°	3896.6	5.1
80°-90°	1414.0	1.8
90°-100°	425.6	0.6
100°-110°	200.8	0.3
110°-120°	100.6	0.1
120°-130°	55.5	0.1
130°-140°	38.2	0.0
140°-150°	25.7	0.0
150°-160°	19.1	0.0
160°-170°	12.3	0.0
170°-180°	3.9	0.0
0°-30°	21149.8	27.5
0°-40°	34777.4	45.2
0°-60°	62003.1	80.7
0°-90°	75991.3	98.9
90°-120°	727.1	0.9
90°-150°	846.5	1.1
90°-180°	882.0	1.1
0°-180°	76873.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27198	27198	27198	27198	27198	
5°	27021	27115	26926	27009	26974	###
15°	26144	26042	25857	26085	26116	7381
25°	24288	24181	24350	24575	24504	11195
35°	21527	21578	21798	22030	21944	13455
45°	17866	18157	18495	18967	19026	13763
55°	13147	13780	14720	15310	15274	11735
65°	7716	8923	10130	8549	6980	7688
75°	3036	4404	3240	3315	3532	3318
85°	523	1003	1286	1553	1628	638
90°	4	334	665	834	873	31
95°	4	208	456	554	570	5
105°	16	90	224	271	283	18
115°	32	47	114	146	153	29
125°	28	32	71	83	86	27
135°	35	39	43	63	67	28
145°	35	39	39	43	47	23
155°	39	43	43	43	39	18
165°	43	43	43	43	43	12
175°	43	43	39	35	35	4
180°	39	39	39	39	39	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	27197.7	27197.7	27197.7	27197.7	27197.7
2.5°	27087.6	27201.7	27060.1	27213.5	27252.8
5°	27020.8	27115.1	26926.4	27009.0	26973.6
7.5°	26898.9	26930.3	26706.2	26773.0	26702.2
10°	26718.0	26702.2	26438.7	26568.5	26584.2
12.5°	26450.5	26403.4	26167.4	26364.0	26368.0
15°	26143.8	26041.6	25856.7	26084.8	26116.3
17.5°	25789.9	25656.2	25534.3	25829.2	25782.0
20°	25376.9	25219.6	25196.0	25518.5	25400.5
22.5°	24865.7	24743.8	24798.9	25105.6	25030.9
25°	24287.6	24181.4	24350.5	24574.7	24503.9
27.5°	23678.1	23615.2	23807.8	23980.9	23843.2
30°	23009.5	22974.1	23229.8	23371.3	23198.3
32.5°	22282.0	22293.8	22537.6	22730.3	22569.1
35°	21527.0	21578.1	21798.3	22030.3	21943.8
37.5°	20697.2	20811.2	21031.4	21294.9	21204.5
40°	19820.2	19985.4	20229.2	20547.7	20465.2
42.5°	18872.5	19080.9	19395.5	19749.4	19741.6
45°	17865.7	18156.7	18494.9	18966.8	19025.8
47.5°	16819.7	17146.1	17574.7	18203.9	18294.4
50°	15683.1	16092.1	16627.0	17382.0	17437.1
52.5°	14416.8	14975.3	15683.1	16406.7	16339.9
55°	13146.6	13779.8	14719.7	15309.5	15274.1
57.5°	11880.3	12592.1	13732.6	14153.4	14149.4
60°	10464.6	11365.2	12611.8	12930.3	12615.7
62.5°	9155.0	10122.5	11416.3	11184.3	10106.7
65°	7715.7	8923.0	10130.3	8549.4	6980.3
67.5°	6437.6	7696.1	8604.5	5855.6	5014.0
70°	5151.7	6539.9	6709.0	4345.5	4286.5
72.5°	4011.2	5489.9	4628.6	3720.2	3909.0
75°	3036.0	4404.5	3240.4	3315.2	3531.5
77.5°	2214.0	3382.0	2520.8	2906.2	3083.1
80°	1521.9	2394.9	2056.7	2442.1	2564.0
82.5°	955.6	1580.9	1647.8	1966.3	2092.1
85°	523.0	1002.8	1286.0	1553.4	1628.1
87.5°	216.3	605.6	983.1	1199.4	1262.4
90°	3.9	334.3	664.6	833.7	873.0
92.5°	3.9	255.6	542.7	672.5	700.0
95°	3.9	208.4	456.2	554.5	570.2
97.5°	7.9	165.2	381.5	460.1	475.8
100°	11.8	137.6	318.5	385.4	397.2
102.5°	15.7	110.1	267.4	322.5	334.3
105°	15.7	90.4	224.2	271.3	283.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	27.5	55.1	133.7	169.1	177.0
115°	31.5	47.2	114.0	145.5	153.4
117.5°	31.5	39.3	98.3	121.9	129.8
120°	31.5	35.4	86.5	106.2	110.1
122.5°	31.5	31.5	74.7	94.4	98.3
125°	27.5	31.5	70.8	82.6	86.5
127.5°	31.5	31.5	62.9	74.7	78.7
130°	31.5	35.4	55.1	70.8	70.8
132.5°	35.4	39.3	51.1	66.9	66.9
135°	35.4	39.3	43.3	62.9	66.9
137.5°	39.3	39.3	39.3	59.0	62.9
140°	39.3	39.3	35.4	51.1	55.1
142.5°	35.4	39.3	35.4	47.2	51.1
145°	35.4	39.3	39.3	43.3	47.2
147.5°	39.3	39.3	39.3	39.3	43.3
150°	39.3	39.3	39.3	39.3	39.3
152.5°	39.3	39.3	39.3	39.3	39.3
155°	39.3	43.3	43.3	43.3	39.3
157.5°	39.3	43.3	43.3	43.3	43.3
160°	39.3	43.3	43.3	43.3	43.3
162.5°	43.3	43.3	43.3	43.3	43.3
165°	43.3	43.3	43.3	43.3	43.3
167.5°	43.3	47.2	43.3	43.3	43.3
170°	43.3	43.3	43.3	39.3	39.3
172.5°	43.3	43.3	43.3	39.3	39.3
175°	43.3	43.3	39.3	35.4	35.4
177.5°	47.2	43.3	39.3	35.4	31.5
180°	39.3	39.3	39.3	39.3	39.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	19.7	74.7	192.7	232.0	239.9
110°	23.6	62.9	161.2	196.6	204.5



(END OF REPORT)