

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: P829952

Luminaire Tested: **OHBL-18SE-A-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829952
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-18SE-A-UNV-L835-CD
Description: 18000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

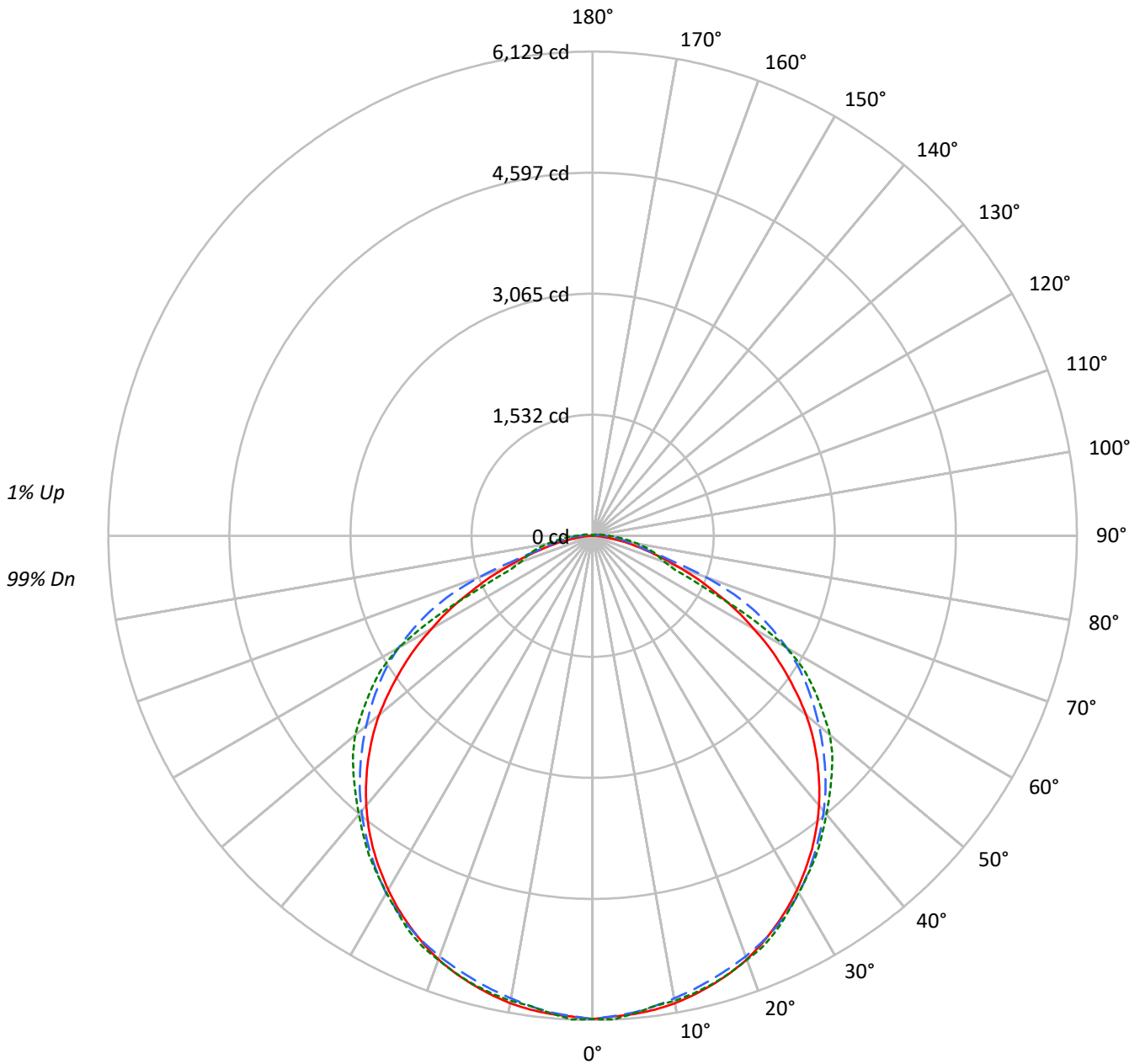
Lumens per Lamp: N/A
Luminaire Lumens: 17288.0 lumens
Efficiency: N/A
Efficacy: 164.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 105
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°	10447	10447	10447
5°	10379	10291	10310
10°	10341	10130	10189
15°	10275	10009	10114
20°	10209	9931	10018
25°	10086	9852	9922
30°	9952	9731	9728
35°	9792	9541	9616
40°	9584	9344	9467
45°	9295	9118	9395
50°	8904	8860	9310
55°	8282	8605	8950
60°	7469	8235	8261
65°	6407	7556	5224
70°	5161	5887	3776
75°	3869	3484	3816
80°	2693	2883	3619
85°	1532	2618	3347



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.7	3.3
10°-20°	1653.8	9.6
20°-30°	2525.9	14.6
30°-40°	3064.7	17.7
40°-50°	3212.1	18.6
50°-60°	2910.7	16.8
60°-70°	1951.5	11.3
70°-80°	876.3	5.1
80°-90°	318.0	1.8
90°-100°	95.7	0.6
100°-110°	45.2	0.3
110°-120°	22.6	0.1
120°-130°	12.5	0.1
130°-140°	8.6	0.0
140°-150°	5.8	0.0
150°-160°	4.3	0.0
160°-170°	2.7	0.0
170°-180°	0.9	0.0
0°-30°	4756.4	27.5
0°-40°	7821.1	45.2
0°-60°	13943.9	80.7
0°-90°	17089.7	98.9
90°-120°	163.5	0.9
90°-150°	190.4	1.1
90°-180°	198.0	1.1
0°-180°	17288.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6116	6116	6116	6116	6116	
5°	6077	6098	6056	6074	6066	578
15°	5880	5856	5815	5866	5873	1660
25°	5462	5438	5476	5527	5511	2518
35°	4841	4853	4902	4954	4935	3026
45°	4018	4083	4159	4266	4279	3095
55°	2956	3099	3310	3443	3435	2639
65°	1735	2007	2278	1923	1570	1729
75°	683	990	729	746	794	746
85°	118	226	289	349	366	144
90°	1	75	150	188	196	7
95°	1	47	103	125	128	1
105°	4	20	50	61	64	4
115°	7	11	26	33	34	7
125°	6	7	16	19	20	6
135°	8	9	10	14	15	6
145°	8	9	9	10	11	5
155°	9	10	10	10	9	4
165°	10	10	10	10	10	3
175°	10	10	9	8	8	1
180°	9	9	9	9	9	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6116.5	6116.5	6116.5	6116.5	6116.5
2.5°	6091.7	6117.4	6085.6	6120.0	6128.9
5°	6076.7	6097.9	6055.5	6074.1	6066.1
7.5°	6049.3	6056.4	6006.0	6021.0	6005.1
10°	6008.6	6005.1	5945.8	5975.0	5978.5
12.5°	5948.5	5937.9	5884.8	5929.0	5929.9
15°	5879.5	5856.5	5814.9	5866.2	5873.3
17.5°	5799.9	5769.8	5742.4	5808.7	5798.1
20°	5707.0	5671.7	5666.3	5738.9	5712.3
22.5°	5592.1	5564.6	5577.0	5646.0	5629.2
25°	5462.1	5438.2	5476.2	5526.6	5510.7
27.5°	5325.0	5310.8	5354.2	5393.1	5362.1
30°	5174.6	5166.7	5224.1	5256.0	5217.1
32.5°	5011.0	5013.7	5068.5	5111.8	5075.6
35°	4841.2	4852.7	4902.2	4954.4	4935.0
37.5°	4654.6	4680.2	4729.8	4789.0	4768.7
40°	4457.4	4494.5	4549.4	4621.0	4602.4
42.5°	4244.2	4291.1	4361.9	4441.5	4439.7
45°	4017.8	4083.3	4159.3	4265.5	4278.7
47.5°	3782.6	3856.0	3952.4	4093.9	4114.2
50°	3527.0	3619.0	3739.2	3909.0	3921.4
52.5°	3242.2	3367.8	3527.0	3689.7	3674.7
55°	2956.5	3098.9	3310.3	3443.0	3435.0
57.5°	2671.8	2831.8	3088.3	3183.0	3182.1
60°	2353.4	2555.9	2836.3	2907.9	2837.2
62.5°	2058.9	2276.4	2567.4	2515.2	2272.9
65°	1735.2	2006.7	2278.2	1922.7	1569.8
67.5°	1447.8	1730.8	1935.1	1316.9	1127.6
70°	1158.6	1470.8	1508.8	977.3	964.0
72.5°	902.1	1234.6	1040.9	836.6	879.1
75°	682.8	990.5	728.7	745.5	794.2
77.5°	497.9	760.6	566.9	653.6	693.4
80°	342.3	538.6	462.5	549.2	576.6
82.5°	214.9	355.5	370.6	442.2	470.5
85°	117.6	225.5	289.2	349.3	366.1
87.5°	48.6	136.2	221.1	269.7	283.9
90°	0.9	75.2	149.5	187.5	196.3
92.5°	0.9	57.5	122.0	151.2	157.4
95°	0.9	46.9	102.6	124.7	128.2
97.5°	1.8	37.1	85.8	103.5	107.0
100°	2.7	31.0	71.6	86.7	89.3
102.5°	3.5	24.8	60.1	72.5	75.2
105°	3.5	20.3	50.4	61.0	63.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.2	12.4	30.1	38.0	39.8
115°	7.1	10.6	25.6	32.7	34.5
117.5°	7.1	8.8	22.1	27.4	29.2
120°	7.1	8.0	19.5	23.9	24.8
122.5°	7.1	7.1	16.8	21.2	22.1
125°	6.2	7.1	15.9	18.6	19.5
127.5°	7.1	7.1	14.2	16.8	17.7
130°	7.1	8.0	12.4	15.9	15.9
132.5°	8.0	8.8	11.5	15.0	15.0
135°	8.0	8.8	9.7	14.2	15.0
137.5°	8.8	8.8	8.8	13.3	14.2
140°	8.8	8.8	8.0	11.5	12.4
142.5°	8.0	8.8	8.0	10.6	11.5
145°	8.0	8.8	8.8	9.7	10.6
147.5°	8.8	8.8	8.8	8.8	9.7
150°	8.8	8.8	8.8	8.8	8.8
152.5°	8.8	8.8	8.8	8.8	8.8
155°	8.8	9.7	9.7	9.7	8.8
157.5°	8.8	9.7	9.7	9.7	9.7
160°	8.8	9.7	9.7	9.7	9.7
162.5°	9.7	9.7	9.7	9.7	9.7
165°	9.7	9.7	9.7	9.7	9.7
167.5°	9.7	10.6	9.7	9.7	9.7
170°	9.7	9.7	9.7	8.8	8.8
172.5°	9.7	9.7	9.7	8.8	8.8
175°	9.7	9.7	8.8	8.0	8.0
177.5°	10.6	9.7	8.8	8.0	7.1
180°	8.8	8.8	8.8	8.8	8.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	4.4	16.8	43.3	52.2	53.9
110°	5.3	14.2	36.3	44.2	46.0



(END OF REPORT)