

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: P829955

Luminaire Tested: **OHBL-18SE-A-UNV-L930-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829955
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-L930-CD
Description: 18000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

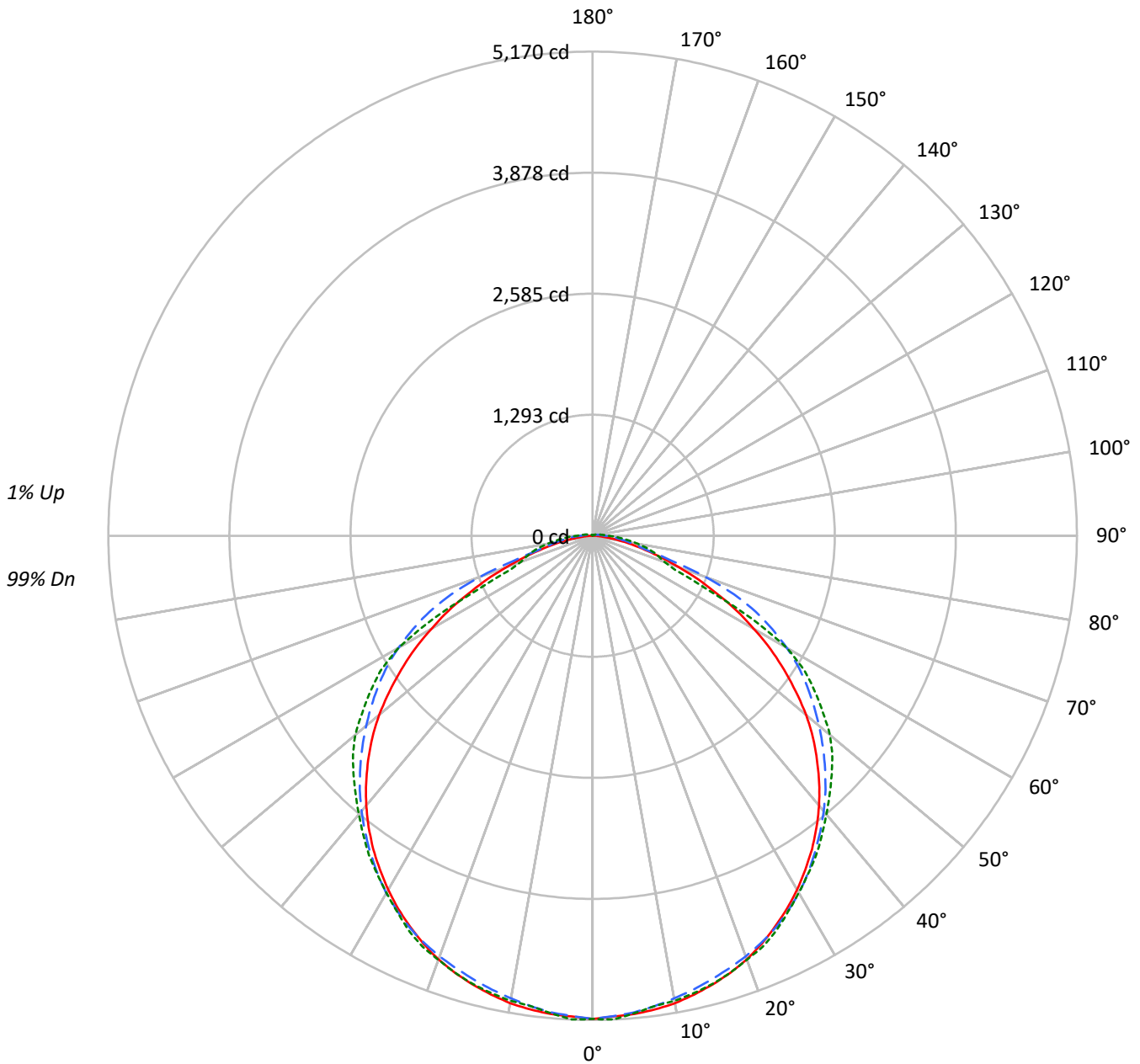
Lumens per Lamp: N/A
Luminaire Lumens: 14582.0 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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°	8812	8812	8812
5°	8754	8680	8696
10°	8722	8545	8594
15°	8667	8442	8531
20°	8611	8376	8450
25°	8507	8310	8369
30°	8394	8208	8205
35°	8259	8047	8111
40°	8084	7882	7985
45°	7840	7691	7925
50°	7510	7473	7853
55°	6986	7258	7549
60°	6300	6946	6968
65°	5404	6373	4406
70°	4353	4965	3185
75°	3264	2939	3219
80°	2272	2432	3053
85°	1293	2208	2824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.5	3.3
10°-20°	1394.9	9.6
20°-30°	2130.5	14.6
30°-40°	2585.0	17.7
40°-50°	2709.3	18.6
50°-60°	2455.1	16.8
60°-70°	1646.0	11.3
70°-80°	739.1	5.1
80°-90°	268.2	1.8
90°-100°	80.7	0.6
100°-110°	38.1	0.3
110°-120°	19.1	0.1
120°-130°	10.5	0.1
130°-140°	7.2	0.0
140°-150°	4.9	0.0
150°-160°	3.6	0.0
160°-170°	2.3	0.0
170°-180°	0.7	0.0
0°-30°	4011.9	27.5
0°-40°	6596.9	45.2
0°-60°	11761.3	80.7
0°-90°	14414.7	98.9
90°-120°	137.9	0.9
90°-150°	160.6	1.1
90°-180°	167.0	1.1
0°-180°	14582.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5159	5159	5159	5159	5159	
5°	5126	5144	5108	5123	5117	487
15°	4959	4940	4905	4948	4954	1400
25°	4607	4587	4619	4662	4648	2124
35°	4083	4093	4135	4179	4162	2552
45°	3389	3444	3508	3598	3609	2611
55°	2494	2614	2792	2904	2897	2226
65°	1464	1693	1922	1622	1324	1458
75°	576	836	615	629	670	629
85°	99	190	244	295	309	121
90°	1	63	126	158	166	6
95°	1	40	86	105	108	1
105°	3	17	42	52	54	3
115°	6	9	22	28	29	6
125°	5	6	13	16	16	5
135°	7	8	8	12	13	5
145°	7	8	8	8	9	4
155°	8	8	8	8	8	3
165°	8	8	8	8	8	2
175°	8	8	8	7	7	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5159.1	5159.1	5159.1	5159.1	5159.1
2.5°	5138.2	5159.9	5133.0	5162.1	5169.6
5°	5125.6	5143.5	5107.7	5123.3	5116.6
7.5°	5102.4	5108.4	5065.9	5078.6	5065.1
10°	5068.1	5065.1	5015.2	5039.8	5042.8
12.5°	5017.4	5008.4	4963.7	5001.0	5001.7
15°	4959.2	4939.8	4904.7	4948.0	4954.0
17.5°	4892.1	4866.7	4843.6	4899.5	4890.6
20°	4813.7	4783.9	4779.4	4840.6	4818.2
22.5°	4716.8	4693.6	4704.1	4762.3	4748.1
25°	4607.1	4587.0	4619.0	4661.6	4648.1
27.5°	4491.5	4479.5	4516.1	4548.9	4522.8
30°	4364.7	4358.0	4406.4	4433.3	4400.5
32.5°	4226.7	4228.9	4275.2	4311.7	4281.1
35°	4083.4	4093.1	4134.9	4178.9	4162.5
37.5°	3926.0	3947.7	3989.4	4039.4	4022.3
40°	3759.7	3791.0	3837.3	3897.7	3882.0
42.5°	3579.9	3619.4	3679.1	3746.3	3744.8
45°	3388.9	3444.1	3508.3	3597.8	3609.0
47.5°	3190.5	3252.4	3333.7	3453.1	3470.2
50°	2974.9	3052.5	3154.0	3297.2	3307.6
52.5°	2734.7	2840.7	2974.9	3112.2	3099.5
55°	2493.8	2613.9	2792.2	2904.1	2897.3
57.5°	2253.6	2388.6	2604.9	2684.7	2684.0
60°	1985.0	2155.9	2392.3	2452.7	2393.1
62.5°	1736.6	1920.1	2165.5	2121.5	1917.1
65°	1463.6	1692.6	1921.6	1621.7	1324.1
67.5°	1221.2	1459.9	1632.2	1110.7	951.1
70°	977.2	1240.5	1272.6	824.3	813.1
72.5°	760.9	1041.4	878.0	705.7	741.5
75°	575.9	835.5	614.7	628.9	669.9
77.5°	420.0	641.5	478.2	551.3	584.8
80°	288.7	454.3	390.1	463.2	486.4
82.5°	181.3	299.9	312.6	373.0	396.9
85°	99.2	190.2	243.9	294.7	308.8
87.5°	41.0	114.9	186.5	227.5	239.5
90°	0.7	63.4	126.1	158.1	165.6
92.5°	0.7	48.5	102.9	127.6	132.8
95°	0.7	39.5	86.5	105.2	108.2
97.5°	1.5	31.3	72.4	87.3	90.3
100°	2.2	26.1	60.4	73.1	75.3
102.5°	3.0	20.9	50.7	61.2	63.4
105°	3.0	17.2	42.5	51.5	53.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.2	10.4	25.4	32.1	33.6
115°	6.0	9.0	21.6	27.6	29.1
117.5°	6.0	7.5	18.6	23.1	24.6
120°	6.0	6.7	16.4	20.1	20.9
122.5°	6.0	6.0	14.2	17.9	18.6
125°	5.2	6.0	13.4	15.7	16.4
127.5°	6.0	6.0	11.9	14.2	14.9
130°	6.0	6.7	10.4	13.4	13.4
132.5°	6.7	7.5	9.7	12.7	12.7
135°	6.7	7.5	8.2	11.9	12.7
137.5°	7.5	7.5	7.5	11.2	11.9
140°	7.5	7.5	6.7	9.7	10.4
142.5°	6.7	7.5	6.7	9.0	9.7
145°	6.7	7.5	7.5	8.2	9.0
147.5°	7.5	7.5	7.5	7.5	8.2
150°	7.5	7.5	7.5	7.5	7.5
152.5°	7.5	7.5	7.5	7.5	7.5
155°	7.5	8.2	8.2	8.2	7.5
157.5°	7.5	8.2	8.2	8.2	8.2
160°	7.5	8.2	8.2	8.2	8.2
162.5°	8.2	8.2	8.2	8.2	8.2
165°	8.2	8.2	8.2	8.2	8.2
167.5°	8.2	9.0	8.2	8.2	8.2
170°	8.2	8.2	8.2	7.5	7.5
172.5°	8.2	8.2	8.2	7.5	7.5
175°	8.2	8.2	7.5	6.7	6.7
177.5°	9.0	8.2	7.5	6.7	6.0
180°	7.5	7.5	7.5	7.5	7.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.7	14.2	36.6	44.0	45.5
110°	4.5	11.9	30.6	37.3	38.8



(END OF REPORT)