

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: P829884

Luminaire Tested: **OHBL-18HE-A-UNV-L935-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P829884
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-18HE-A-UNV-L935-CD
Description: 18000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

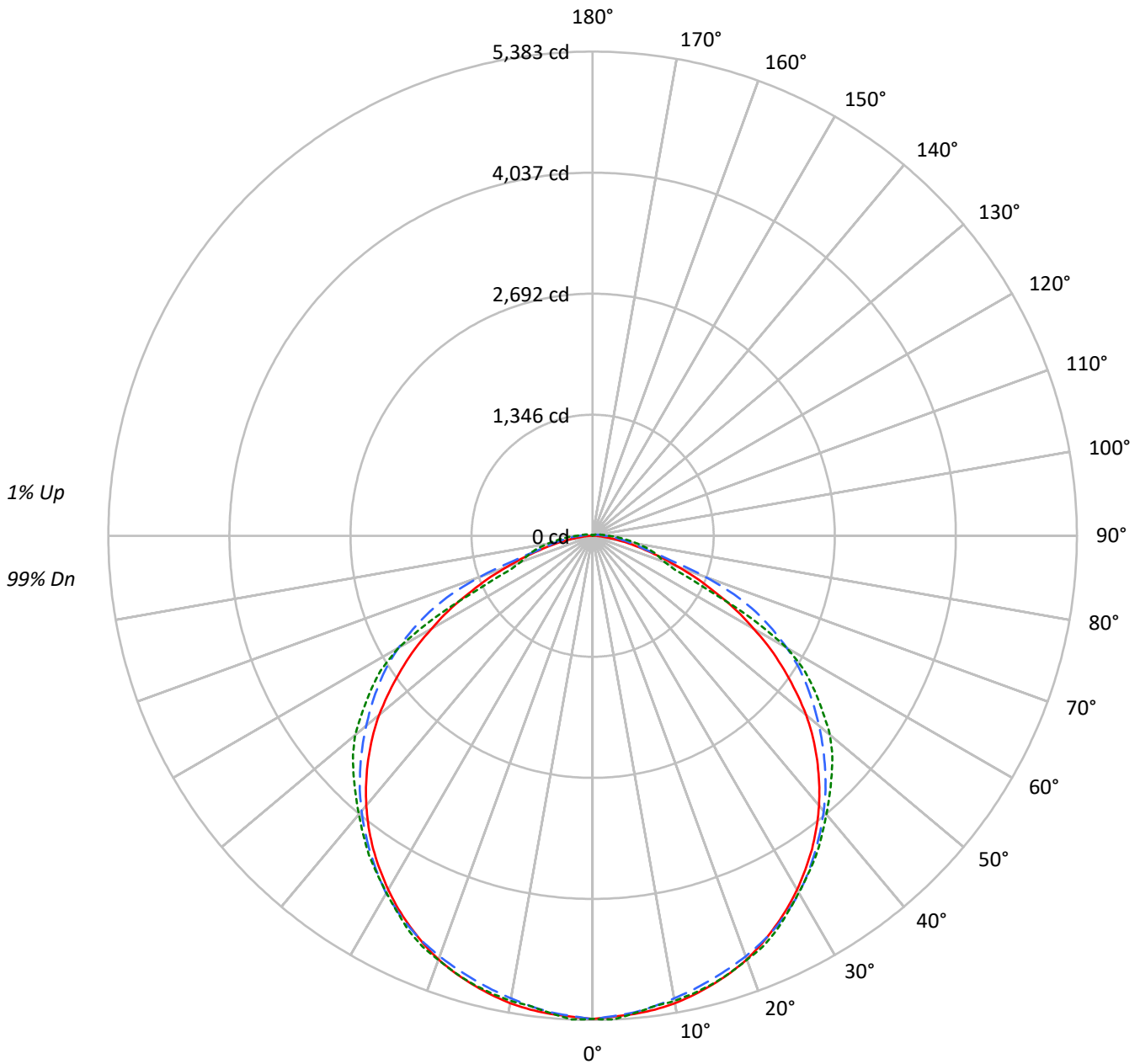
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15184.0 lumens
Efficiency: N/A
Efficacy: 147.4 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): 103
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				20				20	
RC	80				70				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				99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83				83
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70				70
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59				59
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53	51				51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46	44				44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38				38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34				34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32	30				30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27				27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9175	9175	9175
5°	9116	9038	9055
10°	9082	8897	8949
15°	9024	8791	8883
20°	8967	8722	8799
25°	8859	8653	8715
30°	8741	8547	8544
35°	8600	8380	8446
40°	8417	8207	8315
45°	8164	8008	8252
50°	7820	7782	8177
55°	7274	7558	7861
60°	6560	7233	7255
65°	5627	6636	4588
70°	4533	5170	3317
75°	3398	3060	3352
80°	2365	2532	3179
85°	1346	2299	2941



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.5	3.3
10°-20°	1452.5	9.6
20°-30°	2218.5	14.6
30°-40°	2691.7	17.7
40°-50°	2821.2	18.6
50°-60°	2556.4	16.8
60°-70°	1714.0	11.3
70°-80°	769.7	5.1
80°-90°	279.3	1.8
90°-100°	84.1	0.6
100°-110°	39.7	0.3
110°-120°	19.9	0.1
120°-130°	11.0	0.1
130°-140°	7.5	0.0
140°-150°	5.1	0.0
150°-160°	3.8	0.0
160°-170°	2.4	0.0
170°-180°	0.8	0.0
0°-30°	4177.5	27.5
0°-40°	6869.2	45.2
0°-60°	12246.9	80.7
0°-90°	15009.8	98.9
90°-120°	143.6	0.9
90°-150°	167.2	1.1
90°-180°	174.0	1.1
0°-180°	15184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5372	5372	5372	5372	5372	
5°	5337	5356	5318	5335	5328	508
15°	5164	5144	5107	5152	5158	1458
25°	4797	4776	4810	4854	4840	2211
35°	4252	4262	4306	4351	4334	2658
45°	3529	3586	3653	3746	3758	2718
55°	2597	2722	2907	3024	3017	2318
65°	1524	1762	2001	1689	1379	1519
75°	600	870	640	655	698	655
85°	103	198	254	307	322	126
90°	1	66	131	165	172	6
95°	1	41	90	110	113	1
105°	3	18	44	54	56	4
115°	6	9	22	29	30	6
125°	5	6	14	16	17	5
135°	7	8	8	12	13	6
145°	7	8	8	8	9	5
155°	8	8	8	8	8	4
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°	5372.1	5372.1	5372.1	5372.1	5372.1
2.5°	5350.4	5372.9	5344.9	5375.2	5383.0
5°	5337.2	5355.8	5318.5	5334.8	5327.8
7.5°	5313.1	5319.3	5275.0	5288.2	5274.2
10°	5277.3	5274.2	5222.2	5247.8	5250.9
12.5°	5224.5	5215.2	5168.6	5207.4	5208.2
15°	5163.9	5143.7	5107.2	5152.3	5158.5
17.5°	5094.0	5067.6	5043.5	5101.8	5092.5
20°	5012.5	4981.4	4976.7	5040.4	5017.1
22.5°	4911.5	4887.4	4898.3	4958.9	4944.1
25°	4797.3	4776.3	4809.7	4854.0	4840.0
27.5°	4676.9	4664.5	4702.5	4736.7	4709.5
30°	4544.9	4537.9	4588.4	4616.3	4582.1
32.5°	4401.2	4403.5	4451.6	4489.7	4457.9
35°	4252.0	4262.1	4305.6	4351.4	4334.4
37.5°	4088.1	4110.6	4154.1	4206.2	4188.3
40°	3914.9	3947.5	3995.7	4058.6	4042.3
42.5°	3727.7	3768.9	3831.0	3900.9	3899.4
45°	3528.8	3586.3	3653.1	3746.3	3758.0
47.5°	3322.2	3386.7	3471.4	3595.6	3613.5
50°	3097.7	3178.5	3284.2	3433.3	3444.2
52.5°	2847.6	2957.9	3097.7	3240.7	3227.5
55°	2596.7	2721.8	2907.4	3023.9	3017.0
57.5°	2346.6	2487.2	2712.5	2795.6	2794.8
60°	2067.0	2244.9	2491.1	2554.0	2491.9
62.5°	1808.3	1999.4	2255.0	2209.1	1996.3
65°	1524.0	1762.5	2000.9	1688.7	1378.8
67.5°	1271.6	1520.1	1699.6	1156.6	990.4
70°	1017.6	1291.8	1325.2	858.3	846.7
72.5°	792.3	1084.4	914.3	734.8	772.1
75°	599.7	870.0	640.1	654.8	697.5
77.5°	437.3	668.0	497.9	574.0	609.0
80°	300.6	473.1	406.2	482.4	506.5
82.5°	188.8	312.3	325.5	388.4	413.2
85°	103.3	198.1	254.0	306.8	321.6
87.5°	42.7	119.6	194.2	236.9	249.3
90°	0.8	66.0	131.3	164.7	172.4
92.5°	0.8	50.5	107.2	132.8	138.3
95°	0.8	41.2	90.1	109.5	112.6
97.5°	1.6	32.6	75.3	90.9	94.0
100°	2.3	27.2	62.9	76.1	78.5
102.5°	3.1	21.7	52.8	63.7	66.0
105°	3.1	17.9	44.3	53.6	55.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.4	10.9	26.4	33.4	35.0
115°	6.2	9.3	22.5	28.7	30.3
117.5°	6.2	7.8	19.4	24.1	25.6
120°	6.2	7.0	17.1	21.0	21.7
122.5°	6.2	6.2	14.8	18.6	19.4
125°	5.4	6.2	14.0	16.3	17.1
127.5°	6.2	6.2	12.4	14.8	15.5
130°	6.2	7.0	10.9	14.0	14.0
132.5°	7.0	7.8	10.1	13.2	13.2
135°	7.0	7.8	8.5	12.4	13.2
137.5°	7.8	7.8	7.8	11.7	12.4
140°	7.8	7.8	7.0	10.1	10.9
142.5°	7.0	7.8	7.0	9.3	10.1
145°	7.0	7.8	7.8	8.5	9.3
147.5°	7.8	7.8	7.8	7.8	8.5
150°	7.8	7.8	7.8	7.8	7.8
152.5°	7.8	7.8	7.8	7.8	7.8
155°	7.8	8.5	8.5	8.5	7.8
157.5°	7.8	8.5	8.5	8.5	8.5
160°	7.8	8.5	8.5	8.5	8.5
162.5°	8.5	8.5	8.5	8.5	8.5
165°	8.5	8.5	8.5	8.5	8.5
167.5°	8.5	9.3	8.5	8.5	8.5
170°	8.5	8.5	8.5	7.8	7.8
172.5°	8.5	8.5	8.5	7.8	7.8
175°	8.5	8.5	7.8	7.0	7.0
177.5°	9.3	8.5	7.8	7.0	6.2
180°	7.8	7.8	7.8	7.8	7.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	3.9	14.8	38.1	45.8	47.4
110°	4.7	12.4	31.8	38.8	40.4



(END OF REPORT)