

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: P830016

Luminaire Tested: **OHBL-18SE-W-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-18SE-W-UNV-L935-CD
Description: 18000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

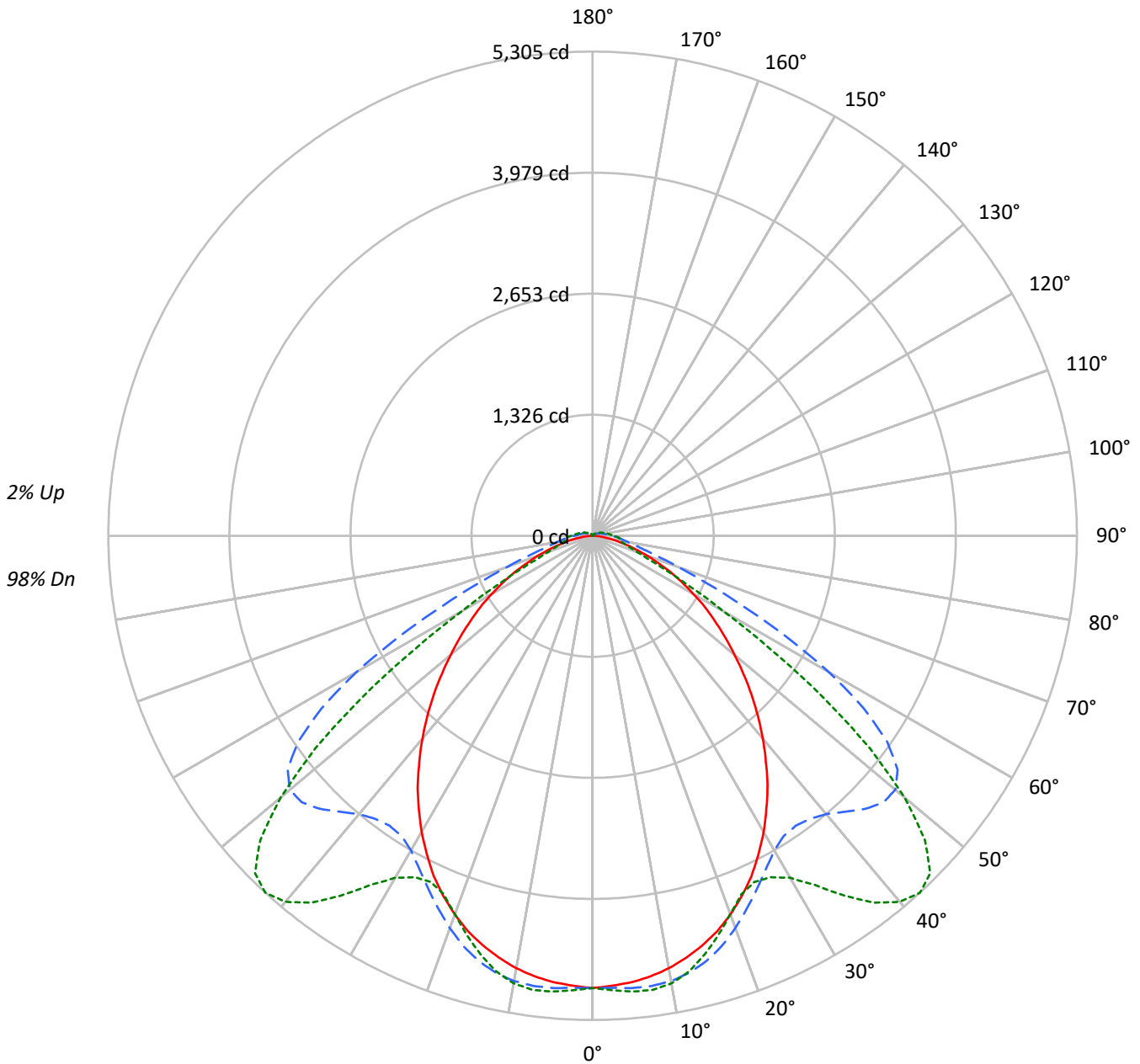
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14838.0 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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				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	105	105	105	100	100	100				98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85				83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72				70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61				59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52				50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45				43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40				38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35				33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31				29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28				26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8464	8464	8464
5°	8385	8452	8519
10°	8280	8439	8488
15°	8119	8300	8175
20°	7897	8014	7735
25°	7601	7669	7539
30°	7207	7412	8066
35°	6758	7549	9379
40°	6237	8176	10768
45°	5692	9274	11483
50°	5123	10255	10588
55°	4589	10242	8001
60°	4045	8664	4825
65°	3470	5982	2871
70°	2820	3867	2023
75°	2145	2771	1808
80°	1540	2432	1919
85°	1045	2672	2669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.6	3.2
10°-20°	1341.0	9.0
20°-30°	1962.3	13.2
30°-40°	2548.5	17.2
40°-50°	3112.0	21.0
50°-60°	2740.6	18.5
60°-70°	1428.1	9.6
70°-80°	612.4	4.1
80°-90°	294.1	2.0
90°-100°	138.2	0.9
100°-110°	85.9	0.6
110°-120°	50.8	0.3
120°-130°	27.6	0.2
130°-140°	13.9	0.1
140°-150°	6.7	0.0
150°-160°	2.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3776.9	25.5
0°-40°	6325.4	42.6
0°-60°	12178.0	82.1
0°-90°	14512.7	97.8
90°-120°	274.8	1.9
90°-150°	323.0	2.2
90°-180°	325.0	2.2
0°-180°	14838.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4956	4956	4956	4956	4956	
5°	4910	4947	4974	5018	5012	466
15°	4646	4776	4822	4786	4747	1308
25°	4116	4337	4263	4183	4187	1889
35°	3341	3694	3879	4524	4813	2082
45°	2460	3095	4231	5122	5229	1897
55°	1638	2711	3940	3454	3071	1470
65°	940	1878	1804	1003	863	930
75°	378	879	580	397	376	413
85°	80	313	295	289	292	89
90°	1	113	195	222	228	6
95°	2	66	155	182	187	2
105°	4	37	100	121	123	4
115°	6	21	62	76	78	7
125°	8	11	36	47	48	6
135°	6	6	17	29	30	5
145°	9	6	8	14	16	5
155°	9	9	6	6	6	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4955.6	4955.6	4955.6	4955.6	4955.6
2.5°	4934.2	4955.6	4956.7	4986.6	4983.4
5°	4909.6	4947.1	4973.8	5017.6	5012.3
7.5°	4869.0	4927.8	4974.9	5023.0	5018.7
10°	4811.3	4891.5	4953.5	4993.0	4980.2
12.5°	4736.4	4842.3	4903.2	4911.8	4887.2
15°	4645.6	4776.0	4822.0	4785.6	4747.1
17.5°	4542.9	4695.8	4711.8	4632.7	4584.6
20°	4414.6	4588.9	4572.9	4463.8	4410.3
22.5°	4272.4	4471.3	4420.0	4305.6	4254.2
25°	4116.3	4336.6	4262.8	4182.6	4186.9
27.5°	3933.5	4183.7	4112.0	4148.4	4216.8
30°	3747.5	4023.3	3979.5	4191.2	4325.9
32.5°	3543.2	3858.6	3898.2	4316.3	4536.5
35°	3341.2	3694.0	3879.0	4523.7	4813.4
37.5°	3117.7	3527.2	3910.0	4763.2	5066.8
40°	2900.7	3364.7	3980.5	4978.1	5234.7
42.5°	2679.3	3219.3	4099.2	5105.3	5305.2
45°	2460.2	3095.3	4230.7	5122.4	5229.3
47.5°	2241.0	2990.5	4321.6	4986.6	4937.4
50°	2029.3	2897.5	4328.0	4660.5	4459.5
52.5°	1831.5	2811.9	4210.4	4140.9	3828.7
55°	1638.0	2711.4	3939.9	3454.5	3070.7
57.5°	1461.6	2572.4	3522.9	2716.8	2297.7
60°	1274.5	2384.3	2984.1	1987.6	1657.2
62.5°	1102.3	2150.1	2380.0	1383.5	1191.1
65°	939.8	1878.5	1803.7	1002.9	862.8
67.5°	767.7	1597.3	1331.1	731.3	641.5
70°	633.0	1336.5	991.1	568.8	516.4
72.5°	495.0	1088.4	740.9	461.9	433.0
75°	378.5	878.9	579.5	396.7	376.3
77.5°	279.1	695.0	466.2	350.7	331.4
80°	195.7	547.4	390.2	313.3	305.8
82.5°	131.5	423.4	332.5	298.3	299.4
85°	80.2	313.3	295.1	288.7	291.9
87.5°	38.5	222.4	253.4	263.0	266.2
90°	1.1	113.3	194.6	222.4	227.7
92.5°	0.0	86.6	171.1	198.9	204.2
95°	2.1	66.3	155.0	181.8	187.1
97.5°	2.1	54.5	139.0	166.8	170.0
100°	3.2	47.0	124.0	150.8	154.0
102.5°	3.2	41.7	111.2	134.7	136.9
105°	4.3	37.4	100.5	120.8	123.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.4	25.7	70.6	85.5	87.7
115°	6.4	21.4	62.0	75.9	78.0
117.5°	7.5	19.2	54.5	67.4	68.4
120°	7.5	16.0	47.0	59.9	60.9
122.5°	7.5	12.8	41.7	53.5	54.5
125°	7.5	10.7	36.4	47.0	48.1
127.5°	6.4	7.5	31.0	41.7	42.8
130°	6.4	6.4	25.7	36.4	38.5
132.5°	6.4	6.4	21.4	32.1	34.2
135°	6.4	6.4	17.1	28.9	29.9
137.5°	6.4	6.4	13.9	24.6	26.7
140°	6.4	6.4	10.7	21.4	22.5
142.5°	7.5	6.4	9.6	18.2	19.2
145°	8.6	6.4	7.5	13.9	16.0
147.5°	8.6	7.5	7.5	11.8	12.8
150°	8.6	8.6	6.4	8.6	10.7
152.5°	8.6	8.6	6.4	6.4	8.6
155°	8.6	8.6	6.4	6.4	6.4
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	5.3	33.1	89.8	108.0	110.1
110°	5.3	28.9	79.1	96.2	98.4



(END OF REPORT)