

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: P830015

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830015
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-L930-CD
Description: 18000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

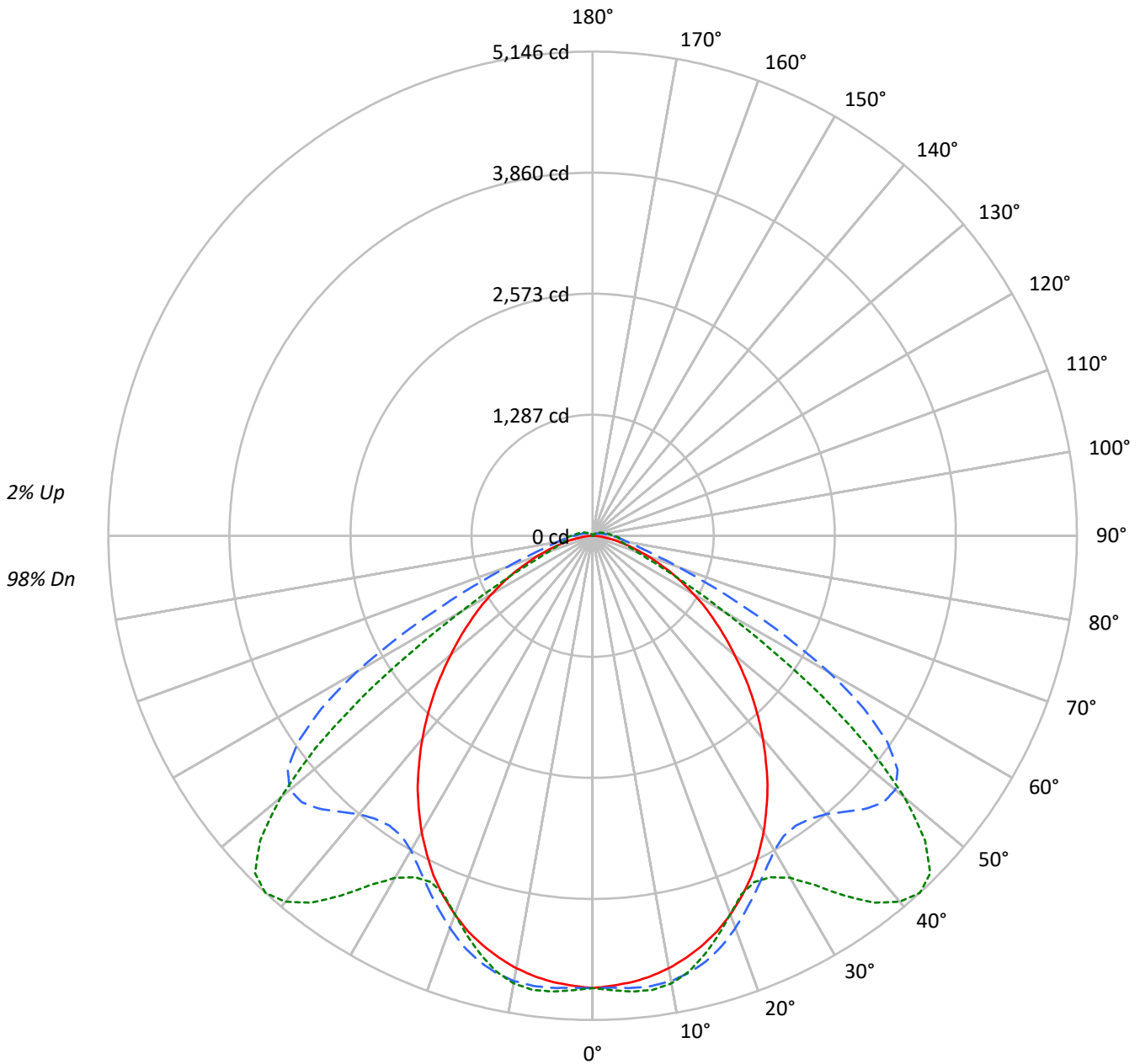
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14393.0 lumens
Efficiency: N/A
Efficacy: 137.1 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 (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	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°	8210	8210	8210
5°	8134	8199	8264
10°	8032	8186	8233
15°	7875	8051	7930
20°	7660	7774	7503
25°	7373	7439	7313
30°	6991	7190	7824
35°	6555	7323	9098
40°	6050	7931	10445
45°	5521	8996	11138
50°	4969	9947	10270
55°	4451	9934	7761
60°	3923	8405	4680
65°	3366	5803	2785
70°	2735	3751	1962
75°	2080	2687	1754
80°	1493	2359	1861
85°	1014	2591	2589



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.4	3.2
10°-20°	1300.8	9.0
20°-30°	1903.5	13.2
30°-40°	2472.0	17.2
40°-50°	3018.7	21.0
50°-60°	2658.4	18.5
60°-70°	1385.3	9.6
70°-80°	594.1	4.1
80°-90°	285.3	2.0
90°-100°	134.0	0.9
100°-110°	83.3	0.6
110°-120°	49.3	0.3
120°-130°	26.8	0.2
130°-140°	13.4	0.1
140°-150°	6.5	0.0
150°-160°	2.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3663.6	25.5
0°-40°	6135.7	42.6
0°-60°	11812.8	82.1
0°-90°	14077.5	97.8
90°-120°	266.6	1.9
90°-150°	313.3	2.2
90°-180°	316.0	2.2
0°-180°	14393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4807	4807	4807	4807	4807	
5°	4762	4799	4825	4867	4862	452
15°	4506	4633	4677	4642	4605	1269
25°	3993	4206	4135	4057	4061	1832
35°	3241	3583	3763	4388	4669	2020
45°	2386	3002	4104	4969	5072	1840
55°	1589	2630	3822	3351	2979	1426
65°	912	1822	1750	973	837	902
75°	367	852	562	385	365	400
85°	78	304	286	280	283	87
90°	1	110	189	216	221	5
95°	2	64	150	176	182	2
105°	4	36	98	117	119	4
115°	6	21	60	74	76	6
125°	7	10	35	46	47	6
135°	6	6	17	28	29	5
145°	8	6	7	14	16	5
155°	8	8	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°	4807.0	4807.0	4807.0	4807.0	4807.0
2.5°	4786.3	4807.0	4808.0	4837.1	4834.0
5°	4762.4	4798.7	4824.6	4867.2	4862.0
7.5°	4723.0	4780.0	4825.7	4872.3	4868.2
10°	4667.0	4744.8	4804.9	4843.3	4830.9
12.5°	4594.4	4697.1	4756.2	4764.5	4740.6
15°	4506.2	4632.8	4677.4	4642.1	4604.8
17.5°	4406.7	4555.0	4570.5	4493.8	4447.1
20°	4282.2	4451.3	4435.7	4329.9	4278.1
22.5°	4144.3	4337.2	4287.4	4176.4	4126.7
25°	3992.9	4206.5	4135.0	4057.2	4061.3
27.5°	3815.5	4058.2	3988.7	4024.0	4090.4
30°	3635.1	3902.6	3860.1	4065.5	4196.1
32.5°	3437.0	3742.9	3781.3	4186.8	4400.5
35°	3241.0	3583.2	3762.6	4388.0	4669.1
37.5°	3024.2	3421.4	3792.7	4620.3	4914.9
40°	2813.7	3263.8	3861.2	4828.8	5077.7
42.5°	2599.0	3122.7	3976.3	4952.2	5146.1
45°	2386.4	3002.4	4103.8	4968.8	5072.5
47.5°	2173.8	2900.8	4192.0	4837.1	4789.4
50°	1968.4	2810.6	4198.2	4520.8	4325.8
52.5°	1776.6	2727.6	4084.1	4016.7	3713.9
55°	1588.9	2630.1	3821.7	3350.9	2978.6
57.5°	1417.7	2495.3	3417.3	2635.3	2228.7
60°	1236.2	2312.8	2894.6	1928.0	1607.5
62.5°	1069.3	2085.6	2308.6	1342.0	1155.3
65°	911.6	1822.2	1749.6	972.8	836.9
67.5°	744.6	1549.4	1291.2	709.4	622.3
70°	614.0	1296.4	961.4	551.7	500.9
72.5°	480.2	1055.8	718.7	448.0	420.0
75°	367.1	852.5	562.1	384.8	365.1
77.5°	270.7	674.1	452.2	340.2	321.5
80°	189.8	531.0	378.5	303.9	296.6
82.5°	127.6	410.7	322.5	289.4	290.4
85°	77.8	303.9	286.2	280.0	283.1
87.5°	37.3	215.7	245.8	255.1	258.2
90°	1.0	109.9	188.8	215.7	220.9
92.5°	0.0	84.0	165.9	192.9	198.1
95°	2.1	64.3	150.4	176.3	181.5
97.5°	2.1	52.9	134.8	161.8	164.9
100°	3.1	45.6	120.3	146.2	149.3
102.5°	3.1	40.4	107.9	130.7	132.7
105°	4.1	36.3	97.5	117.2	119.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.2	24.9	68.4	83.0	85.0
115°	6.2	20.7	60.2	73.6	75.7
117.5°	7.3	18.7	52.9	65.3	66.4
120°	7.3	15.6	45.6	58.1	59.1
122.5°	7.3	12.4	40.4	51.9	52.9
125°	7.3	10.4	35.3	45.6	46.7
127.5°	6.2	7.3	30.1	40.4	41.5
130°	6.2	6.2	24.9	35.3	37.3
132.5°	6.2	6.2	20.7	31.1	33.2
135°	6.2	6.2	16.6	28.0	29.0
137.5°	6.2	6.2	13.5	23.9	25.9
140°	6.2	6.2	10.4	20.7	21.8
142.5°	7.3	6.2	9.3	17.6	18.7
145°	8.3	6.2	7.3	13.5	15.6
147.5°	8.3	7.3	7.3	11.4	12.4
150°	8.3	8.3	6.2	8.3	10.4
152.5°	8.3	8.3	6.2	6.2	8.3
155°	8.3	8.3	6.2	6.2	6.2
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°	5.2	32.2	87.1	104.7	106.8
110°	5.2	28.0	76.7	93.3	95.4



(END OF REPORT)