

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: P830007

Luminaire Tested: **OHBL-18SE-W-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830007
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-L730-CD
Description: 18000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

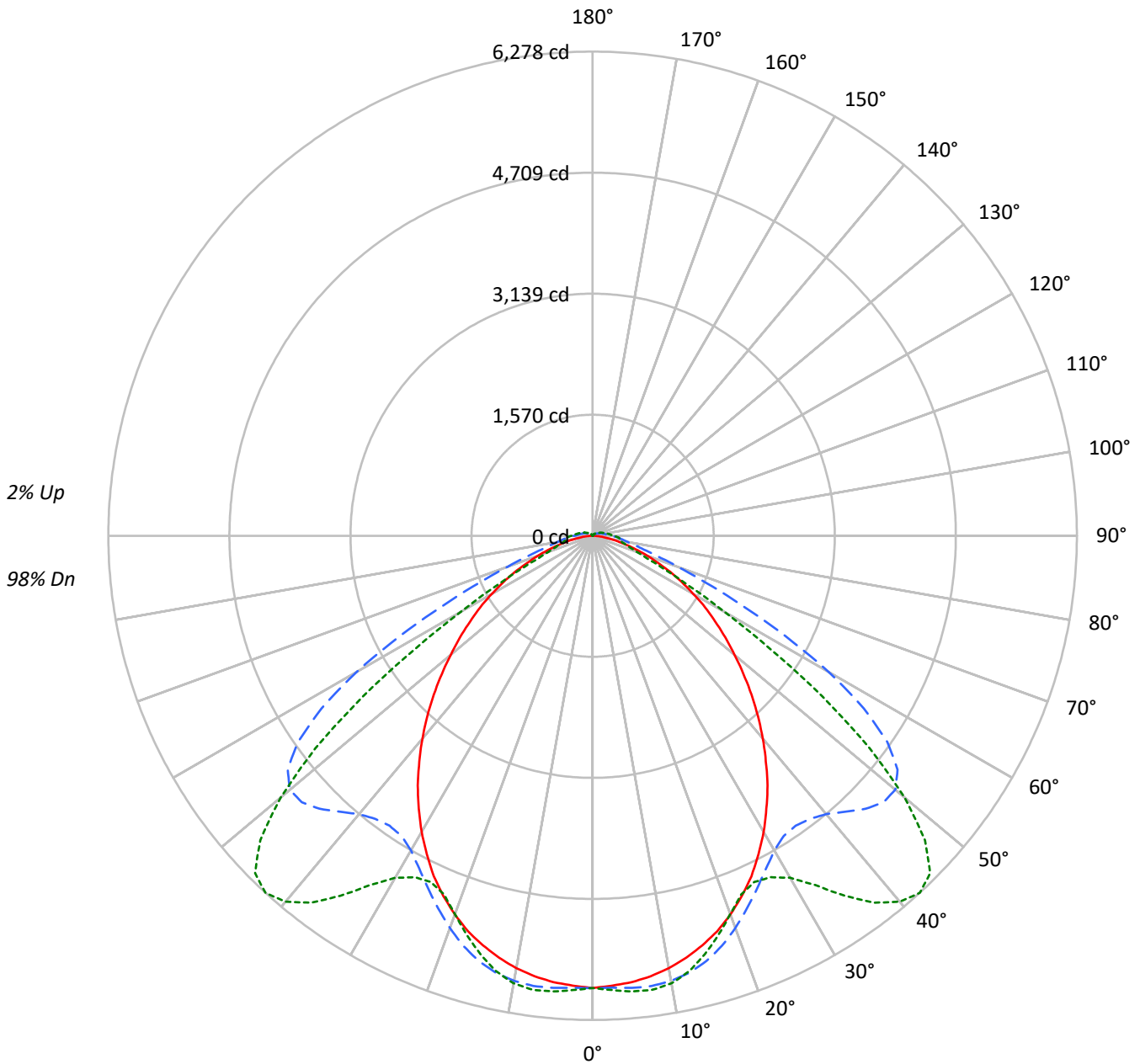
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17558.0 lumens
Efficiency: N/A
Efficacy: 167.2 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				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°	10016	10016	10016
5°	9922	10002	10081
10°	9798	9986	10044
15°	9607	9821	9673
20°	9345	9484	9153
25°	8995	9075	8921
30°	8529	8771	9544
35°	7997	8933	11099
40°	7380	9675	12742
45°	6735	10974	13588
50°	6062	12135	12528
55°	5430	12119	9468
60°	4786	10253	5710
65°	4106	7079	3398
70°	3336	4576	2394
75°	2538	3278	2140
80°	1822	2879	2271
85°	1237	3161	3158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.4	3.2
10°-20°	1586.8	9.0
20°-30°	2322.0	13.2
30°-40°	3015.6	17.2
40°-50°	3682.5	21.0
50°-60°	3243.0	18.5
60°-70°	1690.0	9.6
70°-80°	724.7	4.1
80°-90°	348.0	2.0
90°-100°	163.5	0.9
100°-110°	101.6	0.6
110°-120°	60.1	0.3
120°-130°	32.7	0.2
130°-140°	16.4	0.1
140°-150°	7.9	0.0
150°-160°	2.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4469.2	25.5
0°-40°	7484.9	42.6
0°-60°	14410.4	82.1
0°-90°	17173.1	97.8
90°-120°	325.2	1.9
90°-150°	382.2	2.2
90°-180°	385.0	2.2
0°-180°	17558.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5864	5864	5864	5864	5864	
5°	5810	5854	5886	5937	5931	551
15°	5497	5652	5706	5663	5617	1548
25°	4871	5132	5044	4949	4954	2235
35°	3954	4371	4590	5353	5696	2464
45°	2911	3663	5006	6061	6188	2245
55°	1938	3208	4662	4088	3634	1740
65°	1112	2223	2134	1187	1021	1100
75°	448	1040	686	469	445	488
85°	95	371	349	342	345	106
90°	1	134	230	263	270	7
95°	2	78	183	215	221	2
105°	5	44	119	143	146	5
115°	8	25	73	90	92	8
125°	9	13	43	56	57	8
135°	8	8	20	34	35	6
145°	10	8	9	16	19	6
155°	10	10	8	8	8	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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CATALOG NUMBER: OHBL-18SE-W-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5864.1	5864.1	5864.1	5864.1	5864.1
2.5°	5838.7	5864.1	5865.3	5900.7	5896.9
5°	5809.6	5853.9	5885.6	5937.4	5931.1
7.5°	5761.6	5831.2	5886.8	5943.8	5938.7
10°	5693.3	5788.1	5861.5	5908.3	5893.2
12.5°	5604.7	5729.9	5802.1	5812.2	5783.1
15°	5497.2	5651.5	5705.9	5662.9	5617.3
17.5°	5375.7	5556.6	5575.6	5482.0	5425.0
20°	5223.9	5430.1	5411.1	5282.1	5218.8
22.5°	5055.6	5290.9	5230.2	5094.8	5034.1
25°	4870.9	5131.5	5044.2	4949.3	4954.4
27.5°	4654.6	4950.6	4865.8	4908.8	4989.8
30°	4434.4	4760.8	4709.0	4959.5	5118.9
32.5°	4192.8	4566.0	4612.8	5107.5	5368.1
35°	3953.6	4371.2	4590.0	5352.9	5695.8
37.5°	3689.2	4173.8	4626.7	5636.3	5995.6
40°	3432.4	3981.5	4710.2	5890.6	6194.3
42.5°	3170.5	3809.4	4850.7	6041.2	6277.8
45°	2911.2	3662.7	5006.3	6061.4	6187.9
47.5°	2651.8	3538.7	5113.8	5900.7	5842.5
50°	2401.3	3428.6	5121.4	5514.9	5277.0
52.5°	2167.2	3327.4	4982.2	4900.0	4530.6
55°	1938.2	3208.5	4662.1	4087.8	3633.6
57.5°	1729.5	3044.0	4168.7	3214.8	2718.8
60°	1508.1	2821.3	3531.1	2351.9	1961.0
62.5°	1304.4	2544.3	2816.3	1637.1	1409.4
65°	1112.1	2222.9	2134.3	1186.7	1021.0
67.5°	908.4	1890.2	1575.1	865.4	759.1
70°	749.0	1581.5	1172.8	673.1	611.1
72.5°	585.8	1287.9	876.8	546.6	512.4
75°	447.9	1040.0	685.7	469.4	445.3
77.5°	330.2	822.4	551.6	415.0	392.2
80°	231.5	647.8	461.8	370.7	361.8
82.5°	155.6	501.0	393.5	353.0	354.2
85°	94.9	370.7	349.2	341.6	345.4
87.5°	45.5	263.2	299.8	311.2	315.0
90°	1.3	134.1	230.3	263.2	269.5
92.5°	0.0	102.5	202.4	235.3	241.6
95°	2.5	78.4	183.4	215.1	221.4
97.5°	2.5	64.5	164.5	197.4	201.2
100°	3.8	55.7	146.8	178.4	182.2
102.5°	3.8	49.3	131.6	159.4	161.9
105°	5.1	44.3	118.9	143.0	145.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.6	30.4	83.5	101.2	103.7
115°	7.6	25.3	73.4	89.8	92.4
117.5°	8.9	22.8	64.5	79.7	81.0
120°	8.9	19.0	55.7	70.8	72.1
122.5°	8.9	15.2	49.3	63.3	64.5
125°	8.9	12.7	43.0	55.7	56.9
127.5°	7.6	8.9	36.7	49.3	50.6
130°	7.6	7.6	30.4	43.0	45.5
132.5°	7.6	7.6	25.3	38.0	40.5
135°	7.6	7.6	20.2	34.2	35.4
137.5°	7.6	7.6	16.4	29.1	31.6
140°	7.6	7.6	12.7	25.3	26.6
142.5°	8.9	7.6	11.4	21.5	22.8
145°	10.1	7.6	8.9	16.4	19.0
147.5°	10.1	8.9	8.9	13.9	15.2
150°	10.1	10.1	7.6	10.1	12.7
152.5°	10.1	10.1	7.6	7.6	10.1
155°	10.1	10.1	7.6	7.6	7.6
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°	6.3	39.2	106.3	127.8	130.3
110°	6.3	34.2	93.6	113.9	116.4



(END OF REPORT)