

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: P829840

Luminaire Tested: **OHBL-15SE-N-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-N-UNV-L735-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

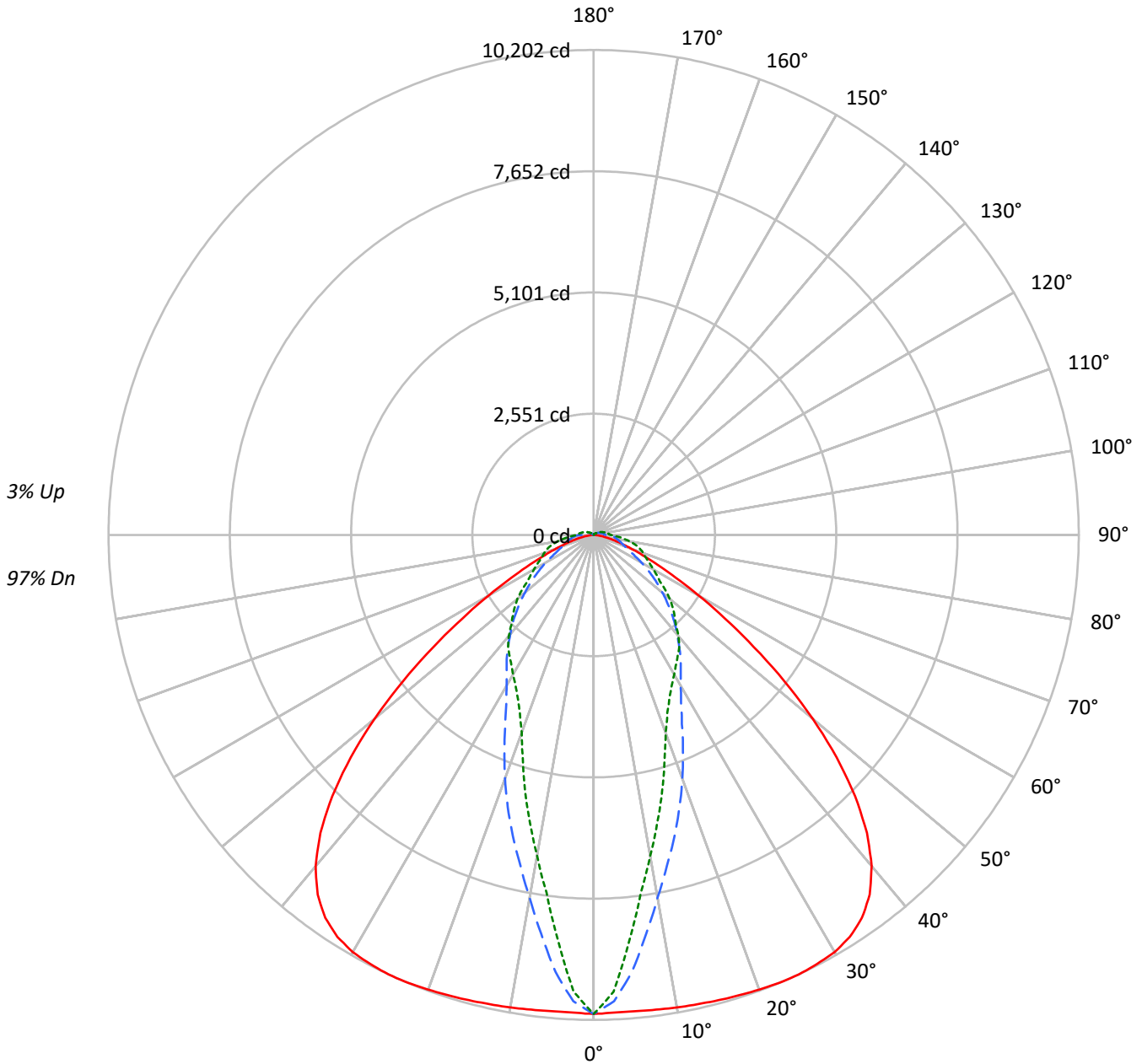
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14874.0 lumens
Efficiency: N/A
Efficacy: 171.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 87
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				
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32787	32787	32787
5°	32720	29693	27544
10°	33089	24875	21916
15°	33735	21157	17849
20°	34683	17788	14322
25°	35883	14637	12446
30°	37123	12532	11462
35°	37895	11345	10819
40°	37247	10173	10160
45°	34265	9118	9300
50°	28909	7981	8617
55°	21967	6914	7553
60°	15394	5851	7100
65°	10355	4956	6794
70°	7072	4550	6917
75°	4907	4549	7089
80°	3378	4805	6849
85°	1976	5525	6434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	848.4	5.7
10°-20°	1995.7	13.4
20°-30°	2501.6	16.8
30°-40°	2654.5	17.8
40°-50°	2400.1	16.1
50°-60°	1740.2	11.7
60°-70°	1092.1	7.3
70°-80°	722.7	4.9
80°-90°	416.3	2.8
90°-100°	201.7	1.4
100°-110°	139.2	0.9
110°-120°	85.9	0.6
120°-130°	41.6	0.3
130°-140°	19.1	0.1
140°-150°	10.5	0.1
150°-160°	4.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5345.6	35.9
0°-40°	8000.1	53.8
0°-60°	12140.3	81.6
0°-90°	14371.4	96.6
90°-120°	426.8	2.9
90°-150°	498.0	3.3
90°-180°	503.0	3.4
0°-180°	14874.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10078	10078	10078	10078	10078	
5°	10058	9800	9224	8796	8575	961
15°	10134	8260	6561	5835	5570	2874
25°	10202	6387	4393	3899	3775	4713
35°	9836	4246	3188	3088	3088	6115
45°	7776	2690	2311	2366	2406	5924
55°	4117	1667	1508	1635	1694	3720
65°	1472	967	873	1118	1243	1532
75°	455	521	586	910	965	507
85°	80	216	429	597	548	95
90°	0	90	248	350	353	5
95°	4	63	219	297	311	3
105°	8	42	159	211	217	8
115°	11	30	107	134	137	10
125°	12	15	55	69	68	10
135°	10	12	24	37	37	8
145°	12	12	14	22	21	7
155°	12	14	15	16	14	4
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-15SE-N-UNV-L735-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10077.9	10077.9	10077.9	10077.9	10077.9
2.5°	10056.8	9999.3	9819.9	9710.6	9618.5
5°	10057.8	9799.8	9224.3	8796.5	8574.9
7.5°	10072.2	9498.6	8461.7	7837.3	7593.7
10°	10094.2	9125.5	7750.0	7084.4	6857.1
12.5°	10110.5	8705.4	7123.7	6439.8	6190.4
15°	10134.5	8260.3	6560.7	5834.6	5569.9
17.5°	10156.6	7841.2	6004.4	5245.7	4951.2
20°	10178.6	7389.4	5448.0	4666.3	4423.7
22.5°	10199.7	6912.7	4905.2	4216.5	4050.5
25°	10201.7	6387.1	4393.0	3899.0	3775.3
27.5°	10176.7	5842.3	3977.6	3633.3	3556.6
30°	10133.6	5313.8	3655.4	3441.5	3386.8
32.5°	10026.1	4774.7	3406.0	3256.4	3224.7
35°	9836.2	4246.2	3188.3	3088.5	3087.5
37.5°	9537.0	3777.2	2952.3	2935.0	2956.1
40°	9094.8	3366.7	2728.8	2774.9	2774.9
42.5°	8504.9	3009.9	2526.4	2573.4	2561.0
45°	7775.9	2689.5	2310.6	2366.3	2406.5
47.5°	6930.9	2407.5	2090.0	2197.4	2253.1
50°	6012.0	2138.9	1888.6	2025.8	2089.1
52.5°	5049.0	1890.5	1692.0	1849.3	1900.1
55°	4116.7	1667.0	1507.8	1635.4	1693.9
57.5°	3272.7	1454.1	1327.5	1448.3	1569.2
60°	2546.6	1270.9	1157.7	1330.4	1451.2
62.5°	1945.2	1107.8	998.5	1220.1	1340.9
65°	1472.3	966.8	872.8	1118.4	1243.1
67.5°	1109.8	845.0	775.0	1044.5	1166.3
70°	833.5	727.0	696.4	998.5	1107.8
72.5°	615.8	618.7	634.0	958.2	1041.7
75°	454.6	520.8	586.0	910.2	964.9
77.5°	325.2	431.6	542.9	852.7	871.9
80°	225.4	352.0	497.8	776.9	760.6
82.5°	141.0	282.0	457.5	693.5	648.4
85°	79.6	215.8	428.7	596.6	547.7
87.5°	35.5	161.1	375.0	465.2	434.5
90°	0.0	90.2	248.4	350.1	353.0
92.5°	1.9	74.8	229.2	320.4	330.0
95°	3.8	63.3	218.7	297.3	310.8
97.5°	4.8	55.6	205.3	276.2	287.7
100°	5.8	49.9	189.0	254.2	263.8
102.5°	6.7	46.0	173.6	231.2	238.8
105°	7.7	42.2	159.2	211.0	216.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.6	32.6	119.9	151.5	156.3
115°	10.6	29.7	107.4	134.3	137.2
117.5°	11.5	25.9	94.0	118.0	118.9
120°	11.5	23.0	80.6	100.7	100.7
122.5°	11.5	19.2	67.1	83.4	82.5
125°	11.5	15.3	54.7	69.1	68.1
127.5°	10.6	12.5	44.1	57.5	56.6
130°	10.6	12.5	35.5	48.9	48.9
132.5°	9.6	11.5	28.8	42.2	42.2
135°	9.6	11.5	24.0	37.4	37.4
137.5°	9.6	12.5	20.1	32.6	32.6
140°	9.6	11.5	17.3	28.8	28.8
142.5°	10.6	11.5	15.3	24.9	24.9
145°	11.5	12.5	14.4	22.1	21.1
147.5°	11.5	13.4	14.4	19.2	18.2
150°	11.5	14.4	14.4	17.3	16.3
152.5°	11.5	14.4	14.4	16.3	15.3
155°	11.5	14.4	15.3	16.3	14.4
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°	7.7	39.3	145.8	189.0	195.7
110°	8.6	35.5	133.3	168.8	175.5



(END OF REPORT)