

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: P828587

Luminaire Tested: **OHBL-15SE-NL-UNV-L950-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828587  
REPORT IS A COMBINATION OF REPORTS P826117 AND G3-2310-221-10  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15SE-NL-UNV-L950-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

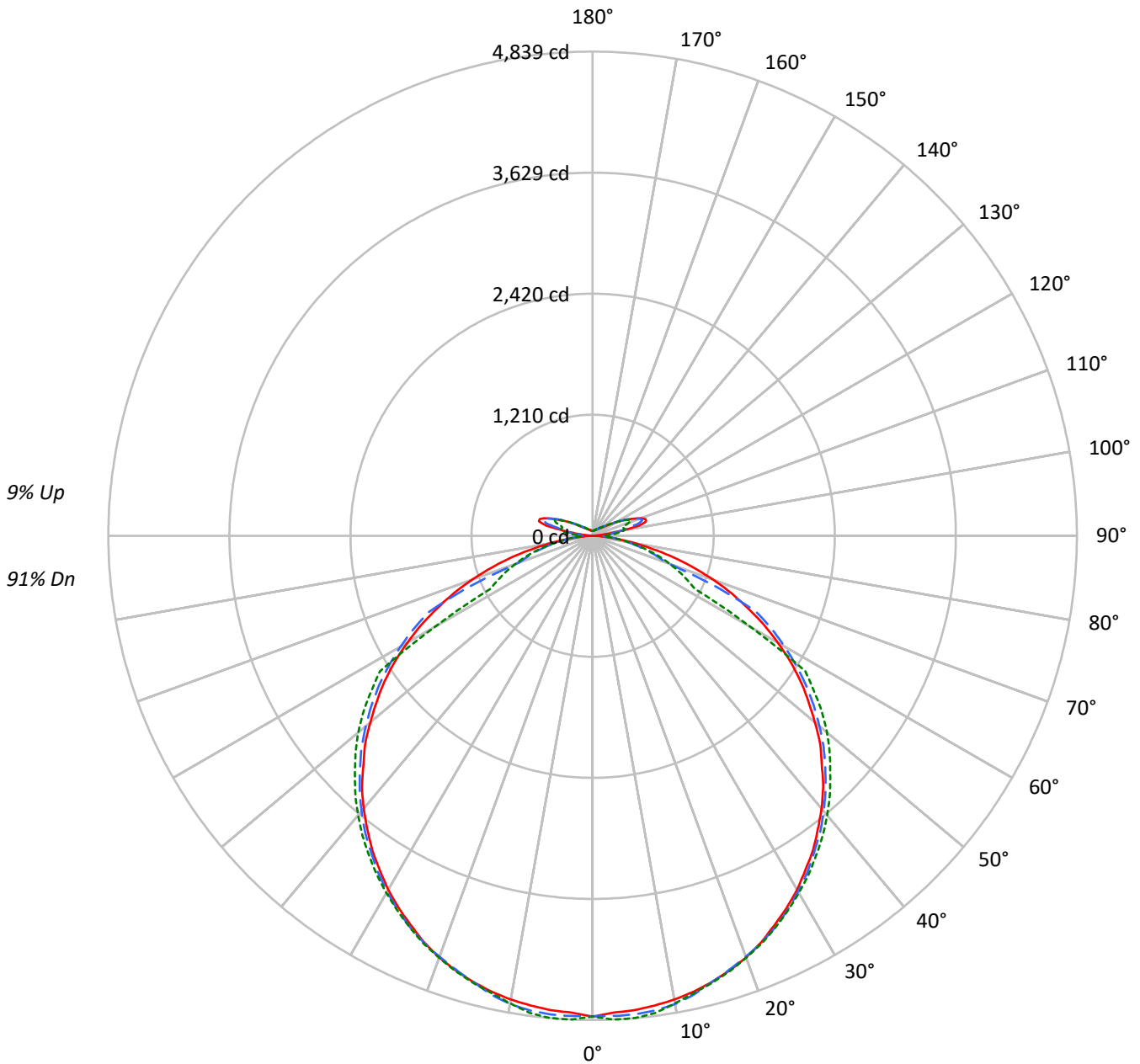
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14808.5 lumens  
Efficiency: N/A  
Efficacy: 152.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.1')  
CIE Type: Direct  
  
Input Watts (W): 97.3  
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91																			
1	107	103	99	95	103	99	96	92	93	91	88	88	86	84	83	81	79	77																			
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	64																			
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	54																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	23																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	15629	15629	15629
5°	15389	15548	15765
10°	15240	15424	15602
15°	15082	15138	15466
20°	14903	14958	15389
25°	14637	14808	15319
30°	14396	14587	15252
35°	14116	14331	15192
40°	13792	14082	15147
45°	13368	13753	15053
50°	12913	13384	14993
55°	12372	12927	14739
60°	11611	12285	11386
65°	10569	11476	7584
70°	9263	5805	7250
75°	7442	5123	6760
80°	4954	4120	5919
85°	1787	3047	5122



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	456.4	3.1
10°-20°	1306.8	8.8
20°-30°	1988.4	13.4
30°-40°	2417.6	16.3
40°-50°	2542.0	17.2
50°-60°	2321.1	15.7
60°-70°	1488.0	10.0
70°-80°	702.9	4.7
80°-90°	198.2	1.3
90°-100°	178.3	1.2
100°-110°	452.8	3.1
110°-120°	380.9	2.6
120°-130°	180.9	1.2
130°-140°	90.4	0.6
140°-150°	52.5	0.4
150°-160°	30.6	0.2
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	3751.6	25.3
0°-40°	6169.1	41.7
0°-60°	11032.2	74.5
0°-90°	13421.3	90.6
90°-120°	1012.0	6.8
90°-150°	1335.8	9.0
90°-180°	1387.0	9.4
0°-180°	14808.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4804	4804	4804	4804	4804	
5°	4759	4778	4802	4828	4838	453
15°	4615	4650	4614	4621	4624	1303
25°	4295	4302	4317	4324	4320	1982
35°	3839	3816	3860	3907	3896	2399
45°	3238	3232	3287	3364	3358	2503
55°	2537	2518	2603	2690	2697	2263
65°	1710	1710	1809	1038	1041	1695
75°	845	861	559	588	591	890
85°	110	140	174	189	179	163
90°	3	66	103	125	128	7
95°	27	87	149	198	218	88
105°	554	552	476	340	313	525
115°	383	385	391	387	374	386
125°	184	194	199	197	196	173
135°	109	112	115	116	117	86
145°	79	81	83	84	84	51
155°	64	64	66	66	67	30
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4803.9	4803.9	4803.9	4803.9	4803.9
2.5°	4770.2	4786.3	4803.9	4826.7	4839.3
5°	4759.3	4777.9	4802.3	4828.5	4838.5
7.5°	4735.7	4761.8	4785.4	4803.9	4809.9
10°	4706.1	4737.4	4750.9	4749.2	4745.0
12.5°	4666.6	4699.4	4695.3	4675.8	4679.2
15°	4615.1	4649.7	4614.3	4621.0	4624.4
17.5°	4554.4	4588.1	4546.8	4560.3	4561.2
20°	4483.6	4508.9	4476.9	4487.9	4487.9
22.5°	4398.5	4416.2	4402.7	4410.3	4412.0
25°	4294.8	4301.5	4316.7	4323.5	4320.1
27.5°	4195.4	4186.9	4216.5	4232.5	4223.9
30°	4084.9	4071.4	4106.0	4132.1	4122.0
32.5°	3958.5	3950.1	3989.7	4020.8	4014.9
35°	3838.8	3816.0	3859.8	3907.0	3896.1
37.5°	3697.1	3683.7	3733.4	3783.2	3777.3
40°	3558.9	3536.1	3592.6	3651.7	3645.8
42.5°	3410.6	3383.5	3445.1	3515.9	3509.2
45°	3237.7	3231.8	3286.6	3364.1	3358.3
47.5°	3084.4	3054.9	3131.5	3206.6	3213.4
50°	2898.8	2887.9	2957.9	3049.0	3055.7
52.5°	2717.7	2710.1	2783.4	2875.3	2887.1
55°	2537.2	2517.9	2603.0	2689.9	2696.7
57.5°	2344.3	2324.0	2410.9	2505.3	2519.6
60°	2137.7	2118.3	2213.5	2301.2	1830.1
62.5°	1931.2	1917.7	2017.2	1428.8	1151.5
65°	1709.5	1709.5	1808.9	1037.7	1041.1
67.5°	1502.1	1488.7	1348.8	932.2	932.2
70°	1279.6	1284.7	777.1	816.8	817.6
72.5°	1056.2	1074.8	671.0	702.9	704.7
75°	844.6	860.7	558.9	588.4	590.9
77.5°	620.4	477.1	449.2	472.1	472.9
80°	435.8	300.9	344.0	365.8	363.3
82.5°	254.5	210.7	252.1	268.0	267.2
85°	110.4	139.9	174.5	188.8	178.7
87.5°	35.3	86.9	108.7	117.2	116.2
90°	2.6	66.3	102.8	124.9	127.6
92.5°	8.7	61.4	107.5	140.0	149.5
95°	26.9	87.0	148.8	198.5	218.5
97.5°	146.1	180.2	217.0	263.3	280.7
100°	294.7	330.7	286.1	315.1	322.1
102.5°	475.4	467.3	352.5	329.5	325.2
105°	554.5	551.8	476.0	340.4	312.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	447.7	455.4	450.1	431.9	410.3
115°	383.3	385.0	390.9	386.7	373.8
117.5°	325.2	323.4	326.9	325.2	323.4
120°	271.3	274.7	275.6	273.9	273.0
122.5°	224.3	231.3	235.6	233.0	232.1
125°	183.5	193.9	199.1	197.4	196.5
127.5°	156.5	162.6	169.5	169.5	167.8
130°	135.6	140.0	145.2	146.1	146.1
132.5°	120.9	124.3	128.7	129.5	130.4
135°	108.7	112.2	114.8	116.5	117.4
137.5°	100.0	101.7	105.2	106.1	106.9
140°	91.3	93.9	96.5	97.4	98.2
142.5°	85.2	86.9	88.7	90.4	90.4
145°	79.1	80.9	82.6	84.3	84.3
147.5°	74.8	76.5	78.2	78.2	79.1
150°	70.4	72.2	73.0	73.9	73.9
152.5°	66.9	67.8	69.6	69.6	70.4
155°	63.5	64.3	66.1	66.1	66.9
157.5°	60.9	61.7	62.6	63.5	63.5
160°	58.3	59.1	60.0	60.0	60.9
162.5°	56.5	57.4	57.4	58.3	58.3
165°	54.8	54.8	55.6	55.6	55.6
167.5°	53.0	53.0	53.9	53.9	54.8
170°	51.3	52.2	52.2	52.2	53.0
172.5°	50.4	50.4	51.3	51.3	51.3
175°	49.6	49.6	49.6	50.4	50.4
177.5°	48.7	49.6	49.6	49.6	49.6
180°	49.6	49.6	49.6	49.6	49.6



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	554.5	559.6	522.1	400.6	332.0
110°	512.9	519.7	499.6	451.9	392.0



(END OF REPORT)