

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: P828442

Luminaire Tested: **OHB-15SE-N-UNV-L950-CD-UPL24**

Issue Date: 5/3/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P828442  
REPORT IS A COMBINATION OF REPORTS P826188 AND G3-2310-221-6  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHB-15SE-N-UNV-L950-CD-UPL24  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

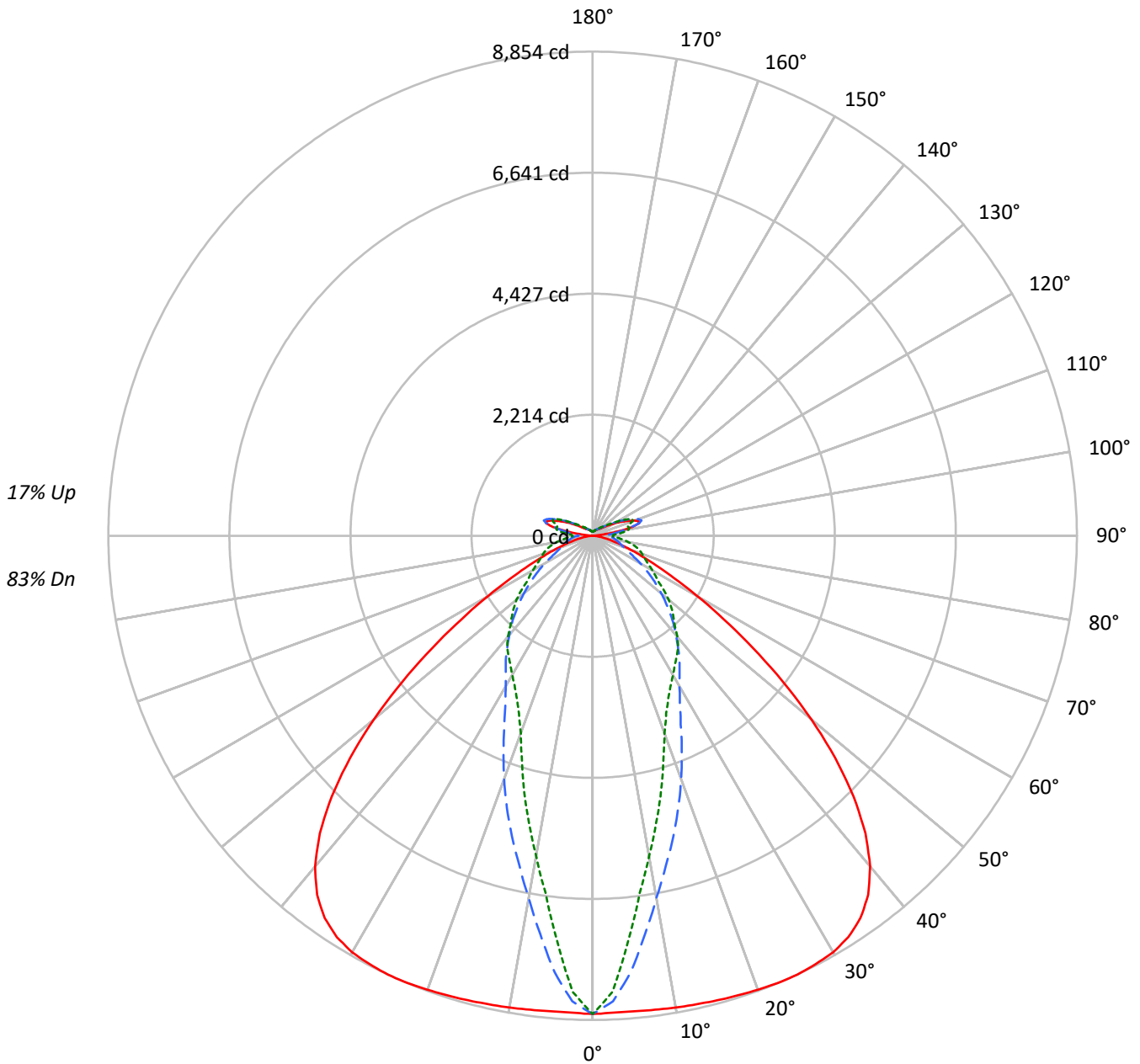
Lumens per Lamp: N/A  
Luminaire Lumens: 15012.9 lumens  
Efficiency: N/A  
Efficacy: 131.1 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 0.88' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 114.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P828442

CATALOG NUMBER: OHB-15SE-N-UNV-L950-CD-UPL24

### 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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	87	87	87	83																			
1	106	101	97	94	101	97	94	91	90	87	85	83	81	79	77	76	74	71																			
2	97	90	84	78	93	86	81	76	80	76	72	75	71	68	69	66	64	61																			
3	89	80	73	67	86	77	71	65	72	66	62	67	63	59	62	59	56	53																			
4	83	72	64	58	79	69	62	57	65	59	54	61	56	52	57	53	49	47																			
5	76	65	57	51	73	63	55	50	59	53	48	55	50	46	52	47	44	41																			
6	71	59	51	45	68	57	50	44	54	47	43	51	45	41	48	43	39	37																			
7	66	54	46	40	64	52	45	40	49	43	38	47	41	37	44	39	36	34																			
8	62	50	42	37	60	48	41	36	46	39	35	43	38	34	41	36	32	31																			
9	58	46	38	33	56	45	38	33	42	36	32	40	35	31	38	33	30	28																			
10	55	43	35	30	53	41	35	30	39	33	29	37	32	28	36	31	27	26																			

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

	0°	45°	90°
0°	55652	55652	55652
5°	54839	50272	47177
10°	54762	42008	37874
15°	55125	35638	31124
20°	55937	29887	25205
25°	57087	24528	22113
30°	58213	20942	20572
35°	58505	18903	19628
40°	56525	16897	18653
45°	51009	15092	17302
50°	42092	13157	16275
55°	31157	11346	14520
60°	21147	9549	13945
65°	13657	8034	13708
70°	8834	7313	14460
75°	5670	7226	15575
80°	3445	7503	16244
85°	1588	8393	17476



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	736.3	4.9
10°-20°	1732.0	11.5
20°-30°	2171.0	14.5
30°-40°	2303.7	15.3
40°-50°	2082.9	13.9
50°-60°	1510.3	10.1
60°-70°	947.8	6.3
70°-80°	627.2	4.2
80°-90°	366.7	2.4
90°-100°	376.6	2.5
100°-110°	820.6	5.5
110°-120°	674.9	4.5
120°-130°	324.1	2.2
130°-140°	160.7	1.1
140°-150°	92.6	0.6
150°-160°	52.6	0.4
160°-170°	25.2	0.2
170°-180°	7.7	0.1
0°-30°	4639.3	30.9
0°-40°	6943.0	46.2
0°-60°	10536.2	70.2
0°-90°	12477.8	83.1
90°-120°	1872.2	12.5
90°-150°	2449.5	16.3
90°-180°	2535.0	16.9
0°-180°	15012.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8746	8746	8746	8746	8746	
5°	8729	8505	8005	7634	7442	834
15°	8795	7169	5694	5064	4834	2494
25°	8854	5543	3812	3384	3276	4090
35°	8537	3685	2767	2680	2680	5307
45°	6748	2334	2005	2054	2089	5141
55°	3573	1447	1309	1419	1470	3228
65°	1278	839	758	971	1079	1330
75°	395	452	509	790	837	440
85°	69	187	372	518	475	83
90°	4	108	256	358	366	8
95°	49	152	339	456	494	146
105°	879	899	872	706	668	834
115°	611	634	701	722	720	616
125°	304	323	363	375	371	284
135°	182	187	204	218	219	144
145°	136	140	145	152	152	86
155°	111	115	118	119	118	50
165°	87	88	89	89	89	25
175°	78	79	79	80	80	8
180°	78	78	78	78	78	



TEST NUMBER: P828442

CATALOG NUMBER: OHB-15SE-N-UNV-L950-CD-UPL24

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8746.3	8746.3	8746.3	8746.3	8746.3
2.5°	8728.0	8678.0	8522.4	8427.4	8347.5
5°	8728.8	8504.9	8005.4	7634.2	7441.9
7.5°	8741.3	8243.6	7343.7	6801.8	6590.3
10°	8760.4	7919.7	6726.0	6148.3	5951.0
12.5°	8774.6	7555.1	6182.4	5588.9	5372.5
15°	8795.4	7168.8	5693.8	5063.6	4833.9
17.5°	8814.5	6805.1	5211.0	4552.5	4297.0
20°	8833.7	6413.0	4728.2	4049.8	3839.1
22.5°	8852.0	5999.3	4257.1	3659.3	3515.3
25°	8853.6	5543.1	3812.5	3383.8	3276.4
27.5°	8832.0	5070.3	3452.0	3153.2	3086.6
30°	8794.6	4611.6	3172.3	2986.7	2939.3
32.5°	8701.3	4143.8	2955.9	2826.0	2798.7
35°	8536.6	3685.1	2767.0	2680.4	2679.5
37.5°	8276.8	3278.1	2562.2	2547.2	2565.6
40°	7893.1	2921.9	2368.3	2408.2	2408.2
42.5°	7381.1	2612.2	2192.6	2233.4	2222.6
45°	6748.5	2334.1	2005.3	2053.6	2088.6
47.5°	6015.1	2089.4	1813.8	1907.1	1955.4
50°	5217.6	1856.4	1639.1	1758.1	1813.1
52.5°	4381.9	1640.7	1468.4	1604.9	1649.1
55°	3572.8	1446.8	1308.6	1419.3	1470.1
57.5°	2840.2	1262.0	1152.1	1257.0	1361.8
60°	2210.1	1103.0	1004.7	1154.5	1259.5
62.5°	1688.2	961.4	866.6	1058.8	1163.8
65°	1277.7	839.1	757.5	970.6	1078.8
67.5°	963.1	733.4	672.6	906.5	1012.2
70°	723.4	631.0	604.4	866.6	961.4
72.5°	534.4	536.9	550.3	831.6	904.0
75°	394.6	452.0	508.6	790.0	837.4
77.5°	282.2	374.6	471.2	740.0	756.7
80°	195.6	305.5	432.0	674.3	660.1
82.5°	122.3	244.7	397.1	601.8	562.7
85°	69.1	187.3	372.1	517.8	475.3
87.5°	30.8	139.8	325.5	403.7	377.1
90°	4.3	107.8	256.5	357.8	366.3
92.5°	16.4	104.1	261.5	366.7	386.4
95°	49.4	151.5	339.3	456.3	494.0
97.5°	238.1	301.3	450.3	569.2	607.9
100°	484.9	552.8	575.2	655.3	671.5
102.5°	747.5	777.3	688.0	682.3	682.0
105°	878.7	899.1	872.0	705.6	668.1



TEST NUMBER: P828442

CATALOG NUMBER: OHB-15SE-N-UNV-L950-CD-UPL24

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	710.9	741.3	803.1	810.6	786.9
115°	610.8	633.6	700.9	722.5	719.8
117.5°	524.7	538.1	600.6	620.6	622.3
120°	436.0	455.6	513.3	526.4	521.2
122.5°	367.3	384.4	431.2	443.7	437.6
125°	303.9	322.8	363.1	374.6	371.3
127.5°	257.8	270.7	306.9	319.4	317.8
130°	225.6	234.2	262.9	275.4	276.3
132.5°	200.5	208.2	229.3	244.4	243.5
135°	182.2	187.4	204.2	217.6	219.4
137.5°	167.5	172.5	184.4	197.9	197.9
140°	154.4	159.5	168.8	180.6	181.5
142.5°	143.9	148.2	155.0	165.1	165.1
145°	136.1	140.3	144.7	152.2	152.2
147.5°	128.2	133.4	136.0	141.8	141.0
150°	122.2	126.4	129.0	132.3	132.4
152.5°	116.1	120.3	122.9	125.5	124.6
155°	110.9	115.1	117.6	119.4	117.7
157.5°	96.5	98.2	100.0	100.9	100.9
160°	93.0	93.9	95.6	96.5	96.5
162.5°	89.6	90.4	91.3	92.2	92.2
165°	86.9	87.8	88.7	88.7	88.7
167.5°	84.3	84.3	85.2	86.1	86.1
170°	81.7	82.6	82.6	83.5	83.5
172.5°	80.0	80.9	80.9	80.9	81.7
175°	78.2	79.1	79.1	80.0	80.0
177.5°	78.2	78.2	78.2	78.2	78.2
180°	78.2	78.2	78.2	78.2	78.2



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	882.2	913.2	937.7	797.8	697.6
110°	815.2	846.3	892.1	856.0	776.6



(END OF REPORT)