

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: P827685

Luminaire Tested: **OHBL-15SE-N-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827685
REPORT IS A COMBINATION OF REPORTS P826116 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-N-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

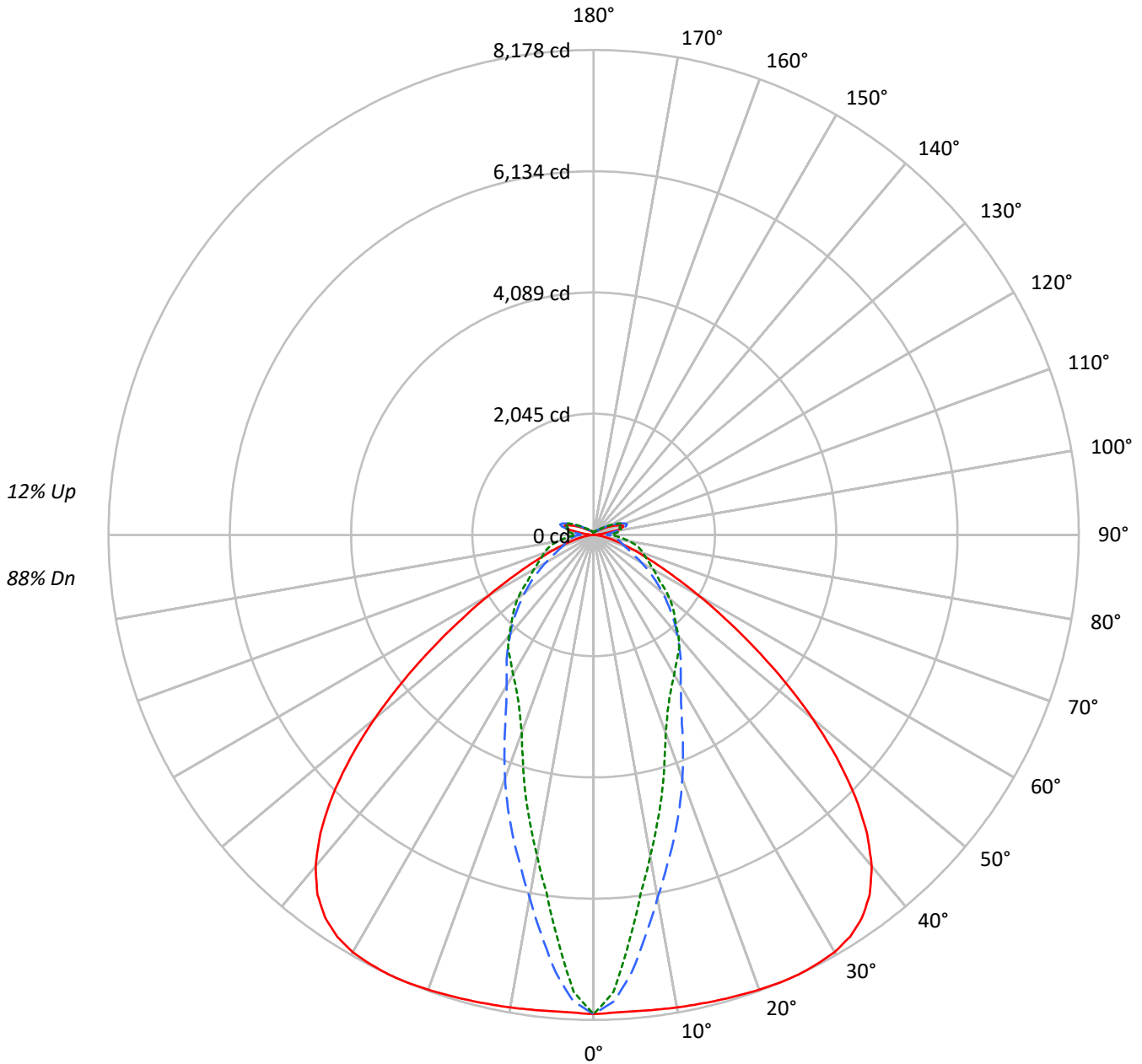
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13151.8 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	107	102	98	95	103	99	95	92	92	90	87	86	84	82	81	79	78	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64																			
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56																			
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49																			
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	41	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29																			
10	56	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26284	26284	26284
5°	25899	23803	22363
10°	25863	19941	18019
15°	26034	16960	14863
20°	26418	14259	12083
25°	26962	11734	10645
30°	27493	10046	9946
35°	27631	9095	9536
40°	26696	8155	9110
45°	24090	7310	8501
50°	19879	6398	8053
55°	14715	5543	7246
60°	9987	4690	7033
65°	6450	3973	7008
70°	4172	3647	7535
75°	2678	3647	8349
80°	1627	3853	9138
85°	751	4430	10899



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.1	5.2
10°-20°	1599.8	12.2
20°-30°	2005.4	15.2
30°-40°	2127.9	16.2
40°-50°	1924.0	14.6
50°-60°	1395.0	10.6
60°-70°	875.4	6.7
70°-80°	579.3	4.4
80°-90°	336.9	2.6
90°-100°	279.4	2.1
100°-110°	519.5	4.0
110°-120°	419.4	3.2
120°-130°	201.6	1.5
130°-140°	99.4	0.8
140°-150°	57.2	0.4
150°-160°	32.1	0.2
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	4285.3	32.6
0°-40°	6413.3	48.8
0°-60°	9732.3	74.0
0°-90°	11523.9	87.6
90°-120°	1218.3	9.3
90°-150°	1576.5	12.0
90°-180°	1628.0	12.4
0°-180°	13151.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8079	8079	8079	8079	8079	
5°	8063	7856	7395	7052	6874	771
15°	8124	6622	5259	4677	4465	2304
25°	8178	5120	3522	3126	3026	3778
35°	7885	3404	2556	2476	2475	4902
45°	6234	2156	1852	1897	1929	4749
55°	3300	1336	1209	1311	1358	2982
65°	1180	775	700	896	996	1228
75°	364	418	470	730	774	406
85°	64	173	344	478	439	77
90°	2	90	223	311	318	6
95°	26	109	262	353	382	83
105°	518	538	558	473	453	490
115°	361	376	442	462	457	364
125°	180	192	229	239	237	169
135°	109	114	126	138	139	86
145°	83	85	88	96	95	52
155°	68	71	74	74	74	31
165°	51	51	52	52	52	15
175°	46	46	46	47	47	4
180°	46	46	46	46	46	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8079.0	8079.0	8079.0	8079.0	8079.0
2.5°	8062.1	8015.9	7872.1	7784.5	7710.6
5°	8062.8	7855.9	7394.6	7051.7	6874.1
7.5°	8074.4	7614.5	6783.4	6282.8	6087.5
10°	8092.1	7315.4	6212.8	5679.2	5497.0
12.5°	8105.1	6978.7	5710.7	5162.5	4962.5
15°	8124.3	6621.9	5259.3	4677.3	4465.1
17.5°	8142.0	6285.8	4813.4	4205.2	3969.2
20°	8159.7	5923.7	4367.4	3740.7	3546.2
22.5°	8176.6	5541.5	3932.2	3380.1	3247.2
25°	8178.2	5120.2	3521.6	3125.7	3026.4
27.5°	8158.2	4683.5	3188.7	2912.7	2851.2
30°	8123.6	4259.8	2930.3	2758.8	2715.0
32.5°	8037.4	3827.6	2730.4	2610.4	2585.0
35°	7885.2	3404.0	2555.9	2475.9	2475.1
37.5°	7645.3	3027.9	2366.7	2352.9	2369.8
40°	7290.8	2698.9	2187.6	2224.5	2224.5
42.5°	6818.0	2412.9	2025.3	2063.0	2053.0
45°	6233.5	2156.1	1852.3	1896.9	1929.2
47.5°	5556.2	1930.0	1675.4	1761.6	1806.1
50°	4819.5	1714.6	1514.0	1623.9	1674.7
52.5°	4047.6	1515.5	1356.4	1482.5	1523.2
55°	3300.2	1336.3	1208.7	1311.0	1357.9
57.5°	2623.5	1165.7	1064.2	1161.1	1257.9
60°	2041.4	1018.8	928.0	1066.5	1163.4
62.5°	1559.4	888.1	800.4	978.1	1074.9
65°	1180.2	775.0	699.7	896.5	996.5
67.5°	889.7	677.4	621.3	837.4	935.0
70°	668.2	582.8	558.2	800.4	888.1
72.5°	493.6	495.9	508.3	768.2	835.0
75°	364.5	417.5	469.8	729.7	773.5
77.5°	260.7	346.0	435.2	683.5	699.0
80°	180.7	282.2	399.1	622.8	609.7
82.5°	113.0	226.1	366.7	555.9	519.8
85°	63.9	173.0	343.7	478.3	439.1
87.5°	28.5	129.2	300.6	372.9	348.3
90°	2.4	90.0	222.6	311.4	317.8
92.5°	9.6	82.6	220.9	308.5	324.3
95°	25.7	109.0	261.8	353.2	382.5
97.5°	138.1	195.8	329.5	411.4	435.2
100°	277.0	334.2	393.2	457.6	470.9
102.5°	443.5	460.5	452.0	466.6	467.9
105°	517.8	538.3	557.7	473.1	452.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	419.1	443.2	505.9	516.8	506.1
115°	360.9	376.3	441.8	461.7	456.7
117.5°	311.5	321.5	379.3	396.9	396.1
120°	261.4	273.9	320.8	335.4	334.6
122.5°	217.8	230.4	272.9	283.6	281.9
125°	179.8	192.5	228.9	238.9	237.2
127.5°	154.0	161.2	193.0	203.8	201.4
130°	134.6	140.2	163.4	175.0	175.0
132.5°	120.0	124.8	142.7	154.3	155.1
135°	108.7	113.5	125.9	138.3	139.1
137.5°	100.6	104.6	114.0	124.7	125.5
140°	92.6	96.5	103.5	113.6	114.4
142.5°	87.7	90.0	94.7	104.0	104.0
145°	82.8	85.2	88.4	96.1	95.3
147.5°	78.7	81.9	84.3	88.1	88.2
150°	74.7	78.7	79.5	82.5	81.8
152.5°	71.5	74.6	76.2	77.8	77.8
155°	68.2	71.4	73.7	74.5	73.8
157.5°	56.6	57.4	58.2	59.0	59.0
160°	54.2	55.0	55.8	55.8	56.6
162.5°	52.5	53.4	53.4	54.2	54.2
165°	50.9	50.9	51.7	51.7	51.7
167.5°	49.3	49.3	50.1	50.1	50.9
170°	47.7	48.5	48.5	48.5	49.3
172.5°	46.9	46.9	47.7	47.7	47.7
175°	46.1	46.1	46.1	46.9	46.9
177.5°	45.3	46.1	46.1	46.1	46.1
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	517.8	544.0	591.4	516.8	463.3
110°	479.0	504.6	562.0	549.2	504.5



(END OF REPORT)