

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: P827664

Luminaire Tested: **OHBL-12SE-NL-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827664
REPORT IS A COMBINATION OF REPORTS P826153 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-NL-UNV-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

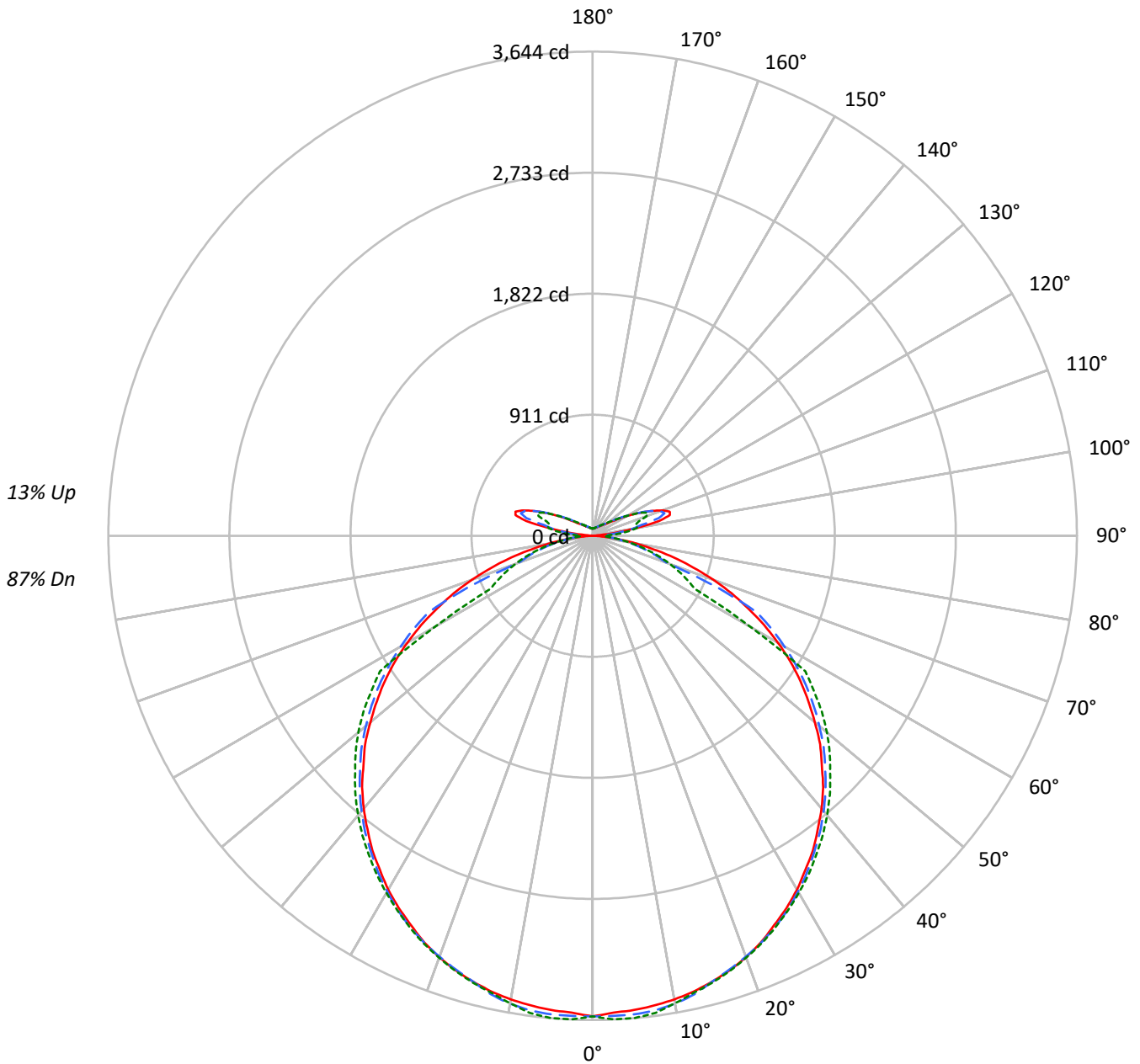
Lumens per Lamp: N/A
Luminaire Lumens: 11601.9 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 82.3
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				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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87			
1	106	102	98	94	102	98	95	91	92	89	86	86	83	81	80	78	77	74			
2	97	89	83	77	93	86	80	75	81	76	72	75	71	68	71	67	65	62			
3	88	78	71	64	85	76	69	63	71	65	60	67	62	58	63	58	55	52			
4	81	69	61	55	78	67	59	53	63	57	51	59	54	49	56	51	47	45			
5	74	62	53	47	71	60	52	46	57	50	44	53	47	43	50	45	41	39			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	34			
7	64	50	42	36	61	49	41	35	46	39	34	44	38	33	41	36	32	30			
8	59	46	38	32	57	45	37	31	42	35	31	40	34	30	38	33	29	27			
9	55	42	34	29	53	41	33	28	39	32	27	37	31	27	35	30	26	24			
10	52	39	31	26	50	38	30	26	36	29	25	34	28	24	32	27	23	22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11767	11767	11767
5°	11586	11706	11870
10°	11474	11613	11747
15°	11356	11397	11644
20°	11221	11262	11587
25°	11021	11149	11534
30°	10839	10983	11483
35°	10628	10790	11438
40°	10384	10602	11404
45°	10065	10355	11334
50°	9723	10076	11289
55°	9315	9733	11097
60°	8742	9250	8573
65°	7958	8641	5710
70°	6975	4371	5459
75°	5603	3856	5090
80°	3730	3102	4456
85°	1345	2295	3855



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.6	3.0
10°-20°	983.9	8.5
20°-30°	1497.1	12.9
30°-40°	1820.2	15.7
40°-50°	1913.9	16.5
50°-60°	1747.6	15.1
60°-70°	1120.3	9.7
70°-80°	529.2	4.6
80°-90°	150.4	1.3
90°-100°	177.3	1.5
100°-110°	491.3	4.2
110°-120°	415.9	3.6
120°-130°	198.3	1.7
130°-140°	99.1	0.9
140°-150°	57.5	0.5
150°-160°	33.6	0.3
160°-170°	17.4	0.2
170°-180°	5.3	0.0
0°-30°	2824.6	24.3
0°-40°	4644.8	40.0
0°-60°	8306.3	71.6
0°-90°	10106.2	87.1
90°-120°	1084.5	9.3
90°-150°	1439.4	12.4
90°-180°	1496.0	12.9
0°-180°	11601.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3617	3617	3617	3617	3617	
5°	3583	3597	3616	3635	3643	341
15°	3475	3501	3474	3479	3482	981
25°	3234	3239	3250	3255	3253	1492
35°	2890	2873	2906	2942	2933	1806
45°	2438	2433	2475	2533	2528	1884
55°	1910	1896	1960	2025	2030	1704
65°	1287	1287	1362	781	784	1276
75°	636	648	421	443	445	670
85°	83	105	131	142	134	123
90°	3	56	86	106	108	6
95°	33	85	146	192	211	98
105°	602	600	516	367	338	571
115°	418	424	425	418	414	420
125°	202	212	217	217	215	190
135°	120	122	126	128	128	95
145°	87	89	91	92	92	55
155°	70	71	72	73	73	33
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3617.0	3617.0	3617.0	3617.0	3617.0
2.5°	3591.6	3603.7	3617.0	3634.1	3643.6
5°	3583.3	3597.3	3615.7	3635.4	3643.0
7.5°	3565.6	3585.2	3603.0	3617.0	3621.4
10°	3543.3	3566.9	3577.0	3575.7	3572.6
12.5°	3513.5	3538.3	3535.2	3520.5	3523.0
15°	3474.8	3500.8	3474.2	3479.2	3481.8
17.5°	3429.1	3454.5	3423.4	3433.6	3434.2
20°	3375.8	3394.8	3370.8	3379.0	3379.0
22.5°	3311.7	3325.0	3314.9	3320.6	3321.8
25°	3233.7	3238.7	3250.1	3255.2	3252.7
27.5°	3158.8	3152.4	3174.6	3186.7	3180.3
30°	3075.6	3065.4	3091.5	3111.1	3103.5
32.5°	2980.4	2974.1	3003.9	3027.4	3022.9
35°	2890.3	2873.1	2906.1	2941.7	2933.4
37.5°	2783.7	2773.5	2810.9	2848.4	2844.0
40°	2679.5	2662.4	2704.9	2749.4	2744.9
42.5°	2567.9	2547.5	2593.9	2647.2	2642.1
45°	2437.7	2433.3	2474.6	2532.9	2528.5
47.5°	2322.3	2300.0	2357.7	2414.2	2419.4
50°	2182.6	2174.4	2227.0	2295.6	2300.7
52.5°	2046.2	2040.5	2095.6	2164.9	2173.7
55°	1910.3	1895.7	1959.9	2025.2	2030.4
57.5°	1765.1	1749.8	1815.2	1886.2	1897.0
60°	1609.5	1594.9	1666.6	1732.7	1377.9
62.5°	1454.0	1443.8	1518.8	1075.8	867.0
65°	1287.1	1287.1	1362.0	781.3	783.8
67.5°	1131.0	1120.8	1015.5	701.9	701.9
70°	963.5	967.3	585.2	615.1	615.6
72.5°	795.2	809.2	505.2	529.3	530.6
75°	635.9	648.0	420.7	443.0	444.9
77.5°	467.1	359.2	338.3	355.4	356.1
80°	328.1	226.6	259.0	275.4	273.5
82.5°	191.7	158.7	189.7	201.8	201.2
85°	83.1	105.3	131.4	142.2	134.5
87.5°	26.6	65.4	81.8	88.2	87.5
90°	3.2	55.8	85.8	105.5	108.3
92.5°	10.5	54.6	95.2	125.0	132.0
95°	32.6	84.7	146.2	191.5	210.9
97.5°	158.9	185.5	222.2	272.3	286.6
100°	326.2	351.9	305.9	331.6	337.2
102.5°	511.6	516.5	379.0	351.7	347.5
105°	602.1	600.3	516.2	366.7	338.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	490.4	494.9	487.1	472.3	447.6
115°	417.8	424.0	425.0	418.3	413.6
117.5°	353.2	355.7	357.3	355.7	356.5
120°	295.0	300.7	303.9	301.5	299.9
122.5°	246.5	253.8	257.9	255.4	253.8
125°	202.1	211.8	217.4	216.6	215.0
127.5°	171.4	178.6	185.9	185.1	183.5
130°	148.7	154.4	159.2	160.0	160.9
132.5°	133.4	135.8	140.6	141.5	143.1
135°	119.6	122.1	126.1	127.7	128.5
137.5°	109.1	111.6	114.8	116.4	117.2
140°	100.2	102.7	105.1	106.7	107.5
142.5°	93.0	95.4	97.8	98.6	99.4
145°	87.3	88.9	91.3	92.2	92.2
147.5°	81.6	83.3	84.9	86.5	86.5
150°	76.8	78.4	80.0	80.8	81.6
152.5°	73.6	74.4	76.0	76.8	76.8
155°	69.5	71.1	71.9	72.8	72.8
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	607.8	610.9	566.6	439.0	364.8
110°	557.5	565.9	543.5	492.5	432.2



(END OF REPORT)