

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: P826484

Luminaire Tested: **OHBL-15SE-MFL-UNV-L830-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826484
REPORT IS A COMBINATION OF REPORTS P826223 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: OHBL-15SE-MFL-UNV-L830-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

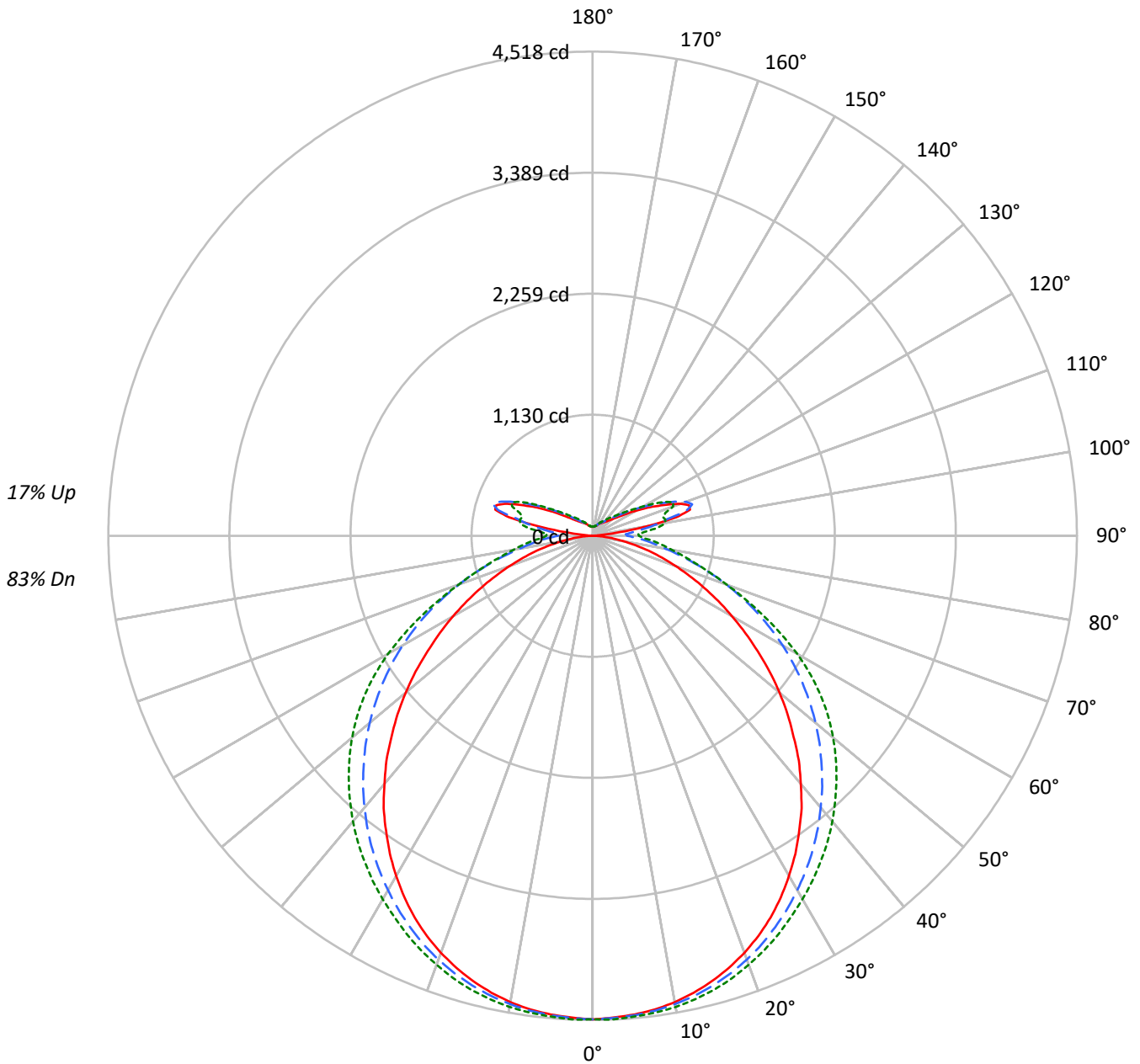
Lumens per Lamp: N/A
Luminaire Lumens: 15759.2 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 104.4
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				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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	104	100	95	91	100	96	92	88	88	85	82	81	79	77	75	73	72	72	72	72	68
2	95	87	80	74	91	83	77	72	77	72	68	71	67	64	66	63	60	60	60	60	57
3	86	76	68	61	82	73	66	60	68	62	57	63	58	53	58	54	50	50	50	50	48
4	79	67	59	52	75	65	57	51	60	53	48	56	50	46	52	47	43	43	43	43	41
5	73	60	51	45	69	58	50	44	54	47	42	50	44	40	47	42	38	38	38	38	35
6	67	54	45	39	64	52	44	38	49	41	36	45	39	35	42	37	33	33	33	33	31
7	62	49	40	34	59	47	39	33	44	37	32	41	35	31	38	33	29	29	29	29	27
8	58	44	36	30	55	43	35	30	40	33	29	38	32	27	35	30	26	26	26	26	24
9	54	41	33	27	52	39	32	27	37	30	26	35	29	25	33	27	24	24	24	24	22
10	50	37	30	25	48	36	29	24	34	28	23	32	26	22	30	25	21	21	21	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14683	14683	14683
5°	14405	14457	14649
10°	14124	14244	14635
15°	13790	14009	14597
20°	13407	13740	14513
25°	12956	13425	14429
30°	12403	13090	14348
35°	11774	12738	14294
40°	11057	12341	14249
45°	10249	11913	14178
50°	9385	11473	14085
55°	8377	10950	13868
60°	7355	10345	13321
65°	6266	9596	12336
70°	5117	8667	11283
75°	3968	7597	10730
80°	2656	6674	11239
85°	1324	6321	14091



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.6	2.7
10°-20°	1226.8	7.8
20°-30°	1855.4	11.8
30°-40°	2227.4	14.1
40°-50°	2300.6	14.6
50°-60°	2069.8	13.1
60°-70°	1559.1	9.9
70°-80°	941.5	6.0
80°-90°	466.2	3.0
90°-100°	409.5	2.6
100°-110°	859.6	5.5
110°-120°	707.5	4.5
120°-130°	345.0	2.2
130°-140°	173.6	1.1
140°-150°	98.8	0.6
150°-160°	55.6	0.4
160°-170°	27.0	0.2
170°-180°	8.2	0.1
0°-30°	3509.9	22.3
0°-40°	5737.3	36.4
0°-60°	10107.6	64.1
0°-90°	13074.4	83.0
90°-120°	1976.6	12.5
90°-150°	2594.0	16.5
90°-180°	2685.0	17.0
0°-180°	15759.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4513	4513	4513	4513	4513	
5°	4484	4496	4491	4509	4503	426
15°	4303	4324	4344	4381	4385	1213
25°	3930	3973	4029	4092	4102	1808
35°	3360	3438	3580	3688	3710	2101
45°	2652	2786	3019	3183	3218	2047
55°	1879	2073	2388	2568	2599	1685
65°	1146	1381	1690	1774	1754	1139
75°	540	775	979	1004	994	576
85°	113	297	490	558	568	130
90°	5	148	324	411	432	11
95°	55	182	370	479	517	158
105°	941	968	907	718	679	893
115°	653	676	726	749	748	659
125°	323	344	383	402	403	303
135°	194	200	220	238	244	153
145°	146	149	152	162	166	92
155°	119	122	123	123	124	54
165°	93	94	95	95	95	27
175°	84	85	85	86	86	8
180°	84	84	84	84	84	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4513.1	4513.1	4513.1	4513.1	4513.1
2.5°	4499.9	4510.9	4504.3	4518.7	4517.6
5°	4484.4	4496.5	4491.0	4508.7	4503.1
7.5°	4457.9	4471.1	4470.0	4489.9	4487.7
10°	4419.2	4433.6	4438.0	4464.5	4464.5
12.5°	4366.3	4385.0	4396.0	4428.0	4429.2
15°	4303.3	4324.3	4344.1	4380.6	4385.0
17.5°	4227.0	4253.6	4281.2	4323.2	4328.7
20°	4140.9	4170.8	4208.3	4252.5	4259.1
22.5°	4041.5	4076.9	4125.4	4177.4	4185.1
25°	3929.9	3973.0	4029.3	4092.3	4102.3
27.5°	3802.9	3852.6	3928.8	3999.5	4008.4
30°	3664.8	3723.3	3818.3	3902.3	3916.7
32.5°	3519.1	3586.5	3703.5	3797.4	3817.2
35°	3360.0	3438.4	3579.8	3688.1	3710.1
37.5°	3203.2	3289.3	3449.5	3573.1	3599.7
40°	3019.8	3126.9	3310.3	3447.2	3479.3
42.5°	2847.5	2963.4	3171.1	3320.2	3351.1
45°	2652.0	2785.6	3018.7	3183.2	3217.5
47.5°	2468.7	2613.4	2871.8	3041.9	3077.3
50°	2275.3	2434.4	2715.0	2892.8	2929.2
52.5°	2082.0	2253.2	2552.6	2737.0	2771.3
55°	1878.8	2073.2	2388.0	2568.1	2598.9
57.5°	1690.0	1895.4	2219.0	2390.2	2409.0
60°	1503.3	1716.4	2046.7	2196.9	2203.6
62.5°	1321.0	1545.3	1870.0	1989.2	1980.4
65°	1146.5	1380.7	1690.0	1773.9	1754.0
67.5°	978.6	1220.5	1505.5	1559.6	1533.1
70°	819.5	1064.7	1326.5	1354.1	1329.9
72.5°	679.3	916.8	1145.4	1168.6	1150.9
75°	540.1	775.3	978.6	1004.0	994.1
77.5°	409.8	638.5	825.1	858.3	860.4
80°	294.9	513.6	691.4	743.3	749.9
82.5°	194.4	398.7	579.9	646.2	656.1
85°	112.7	297.1	490.4	557.8	567.7
87.5°	48.6	214.3	394.3	455.0	467.2
90°	4.7	147.6	324.3	411.1	432.1
92.5°	19.2	138.0	307.8	402.0	426.2
95°	54.8	181.7	369.9	479.4	517.3
97.5°	256.9	337.0	473.5	585.7	626.4
100°	520.3	602.7	598.1	669.6	686.8
102.5°	800.4	839.9	713.2	694.5	694.8
105°	941.1	968.4	906.9	718.3	679.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	760.7	792.8	832.1	839.5	814.0
115°	652.8	675.9	725.6	749.1	748.0
117.5°	560.8	573.9	621.8	645.2	649.4
120°	465.9	485.0	533.1	550.5	549.4
122.5°	392.4	409.1	451.1	470.2	468.0
125°	323.4	343.5	383.1	402.0	402.6
127.5°	273.9	288.2	326.2	347.0	349.4
130°	239.4	248.0	281.6	301.3	305.5
132.5°	213.4	222.1	246.3	267.7	271.2
135°	193.8	199.8	219.5	237.9	244.3
137.5°	178.0	183.0	197.5	215.7	220.1
140°	165.2	170.0	180.2	195.3	200.6
142.5°	154.2	157.9	163.9	177.8	181.2
145°	146.0	148.6	152.5	162.3	166.5
147.5°	137.6	141.4	143.2	149.4	152.8
150°	131.1	134.1	135.8	137.8	142.0
152.5°	124.6	127.6	129.3	129.1	131.3
155°	119.0	122.0	122.7	122.6	123.7
157.5°	103.3	105.2	107.0	107.9	107.9
160°	99.6	100.5	102.4	103.3	103.3
162.5°	95.8	96.8	97.7	98.6	98.6
165°	93.1	94.0	94.9	94.9	94.9
167.5°	90.3	90.3	91.2	92.1	92.1
170°	87.5	88.4	88.4	89.3	89.3
172.5°	85.6	86.5	86.5	86.5	87.5
175°	83.8	84.7	84.7	85.6	85.6
177.5°	83.8	83.8	83.8	83.8	83.8
180°	83.8	83.8	83.8	83.8	83.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	944.8	980.5	975.3	819.7	711.8
110°	872.2	908.2	926.0	885.2	799.5



(END OF REPORT)