

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: P826483

Luminaire Tested: **OHBL-15SE-MFL-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826483
REPORT IS A COMBINATION OF REPORTS P826115 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-MFL-UNV-L830-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

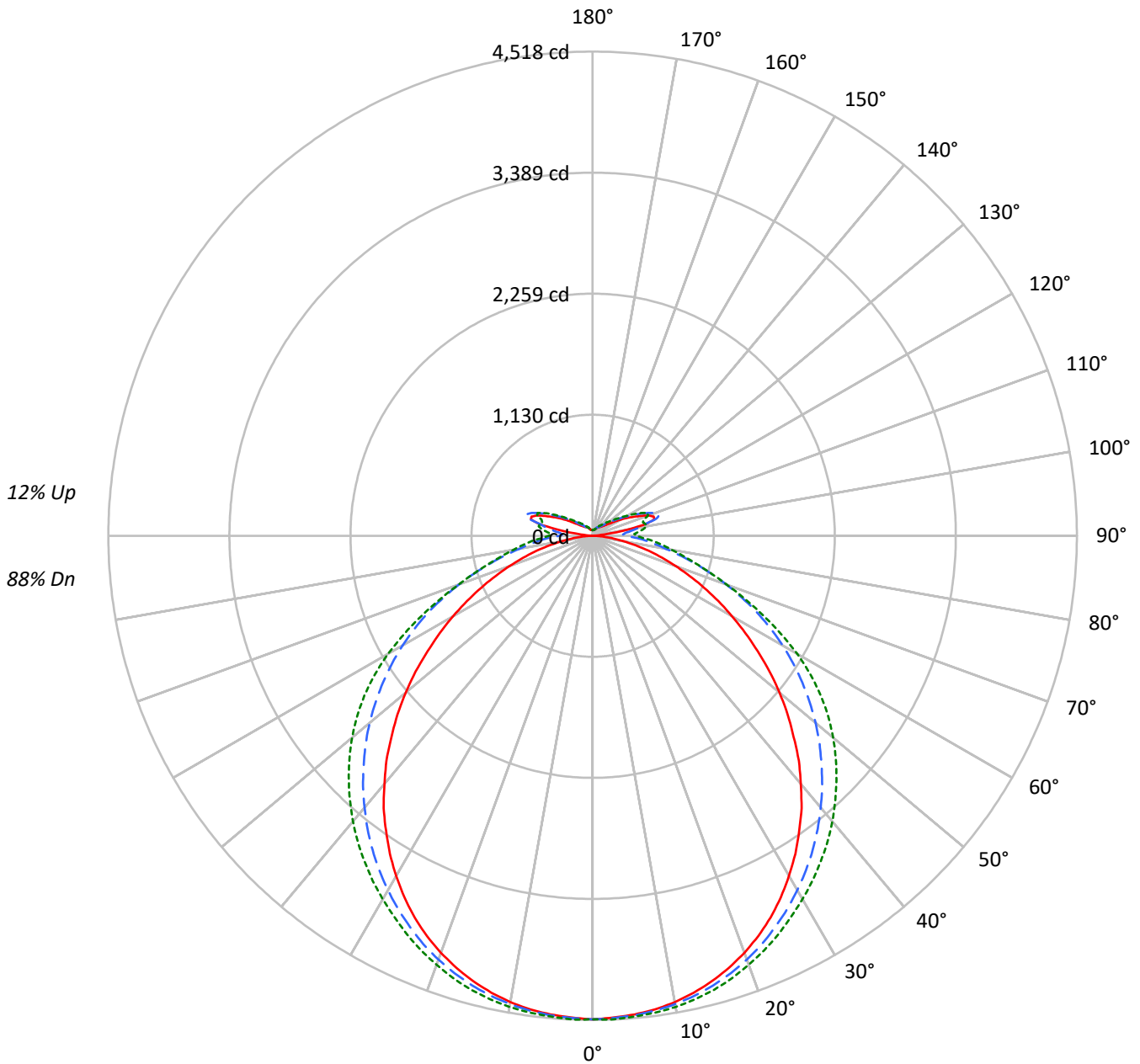
Lumens per Lamp: N/A
Luminaire Lumens: 14920.7 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 97.3
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

TEST NUMBER: P826483

CATALOG NUMBER: OHBL-15SE-MFL-UNV-L830-CD-UPL15

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	105	100	96	92	101	97	93	89	90	87	84	84	82	80	79	77	75	72																			
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60																			
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50																			
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	49	45	43																			
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37																			
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32																			
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29																			
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	26																			
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21																			

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



TEST NUMBER: P826483

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.6	2.9
10°-20°	1226.8	8.2
20°-30°	1855.4	12.4
30°-40°	2227.4	14.9
40°-50°	2300.6	15.4
50°-60°	2069.8	13.9
60°-70°	1559.1	10.4
70°-80°	941.5	6.3
80°-90°	464.0	3.1
90°-100°	329.3	2.2
100°-110°	580.2	3.9
110°-120°	468.4	3.1
120°-130°	230.4	1.5
130°-140°	116.1	0.8
140°-150°	65.6	0.4
150°-160°	36.3	0.2
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	3509.9	23.5
0°-40°	5737.3	38.5
0°-60°	10107.6	67.7
0°-90°	13072.2	87.6
90°-120°	1377.9	9.2
90°-150°	1790.0	12.0
90°-180°	1848.0	12.4
0°-180°	14920.7	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°	3	136	308	389	408	9
95°	32	145	309	399	431	97
105°	597	626	617	509	487	565
115°	415	431	484	508	504	419
125°	205	220	258	276	279	193
135°	124	130	146	164	170	98
145°	96	96	100	110	113	61
155°	79	81	82	81	83	35
165°	59	59	60	60	60	17
175°	53	53	53	54	54	5
180°	53	53	53	53	53	



TEST NUMBER: P826483

CATALOG NUMBER: OHBL-15SE-MFL-UNV-L830-CD-UPL15

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°	2.8	136.4	307.5	388.8	407.9
92.5°	12.7	122.2	283.6	366.6	388.0
95°	31.5	145.4	309.4	399.4	430.8
97.5°	161.1	240.3	372.0	451.7	478.4
100°	320.2	396.1	436.2	496.5	511.9
102.5°	511.0	538.4	498.2	502.8	504.9
105°	596.8	626.0	616.6	508.9	486.7



TEST NUMBER: P826483

CATALOG NUMBER: OHBL-15SE-MFL-UNV-L830-CD-UPL15

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	482.5	509.9	555.7	567.7	555.4
115°	414.6	431.1	484.5	508.1	504.2
117.5°	358.0	368.2	416.1	438.6	440.1
120°	300.3	312.9	353.5	373.7	377.2
122.5°	250.0	263.0	304.1	322.3	324.7
125°	205.2	219.7	258.4	276.4	278.8
127.5°	175.2	184.0	220.1	240.0	241.5
130°	152.9	158.7	188.5	208.3	211.5
132.5°	137.1	143.0	165.4	184.0	189.3
135°	124.0	130.0	146.0	164.4	169.8
137.5°	114.7	118.8	131.4	147.8	153.1
140°	106.5	110.5	118.7	133.0	138.3
142.5°	101.2	103.0	107.1	121.1	124.4
145°	95.8	96.5	99.5	110.2	113.4
147.5°	91.1	93.0	94.8	99.2	103.5
150°	86.4	89.4	89.2	91.3	94.5
152.5°	82.7	84.8	85.5	84.4	87.6
155°	79.0	81.1	81.8	80.7	82.7
157.5°	65.1	66.1	67.0	67.9	67.9
160°	62.3	63.3	64.2	64.2	65.1
162.5°	60.5	61.4	61.4	62.3	62.3
165°	58.6	58.6	59.6	59.6	59.6
167.5°	56.8	56.8	57.7	57.7	58.6
170°	54.9	55.8	55.8	55.8	56.8
172.5°	54.0	54.0	54.9	54.9	54.9
175°	53.0	53.0	53.0	54.0	54.0
177.5°	52.1	53.0	53.0	53.0	53.0
180°	53.0	53.0	53.0	53.0	53.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	596.8	629.7	653.3	562.0	499.6
110°	551.2	583.5	618.9	602.3	550.1



(END OF REPORT)