

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: P826461

Luminaire Tested: **OHBL-12SE-N-UNV-L830-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826461
REPORT IS A COMBINATION OF REPORTS P826056 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-12SE-N-UNV-L830-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

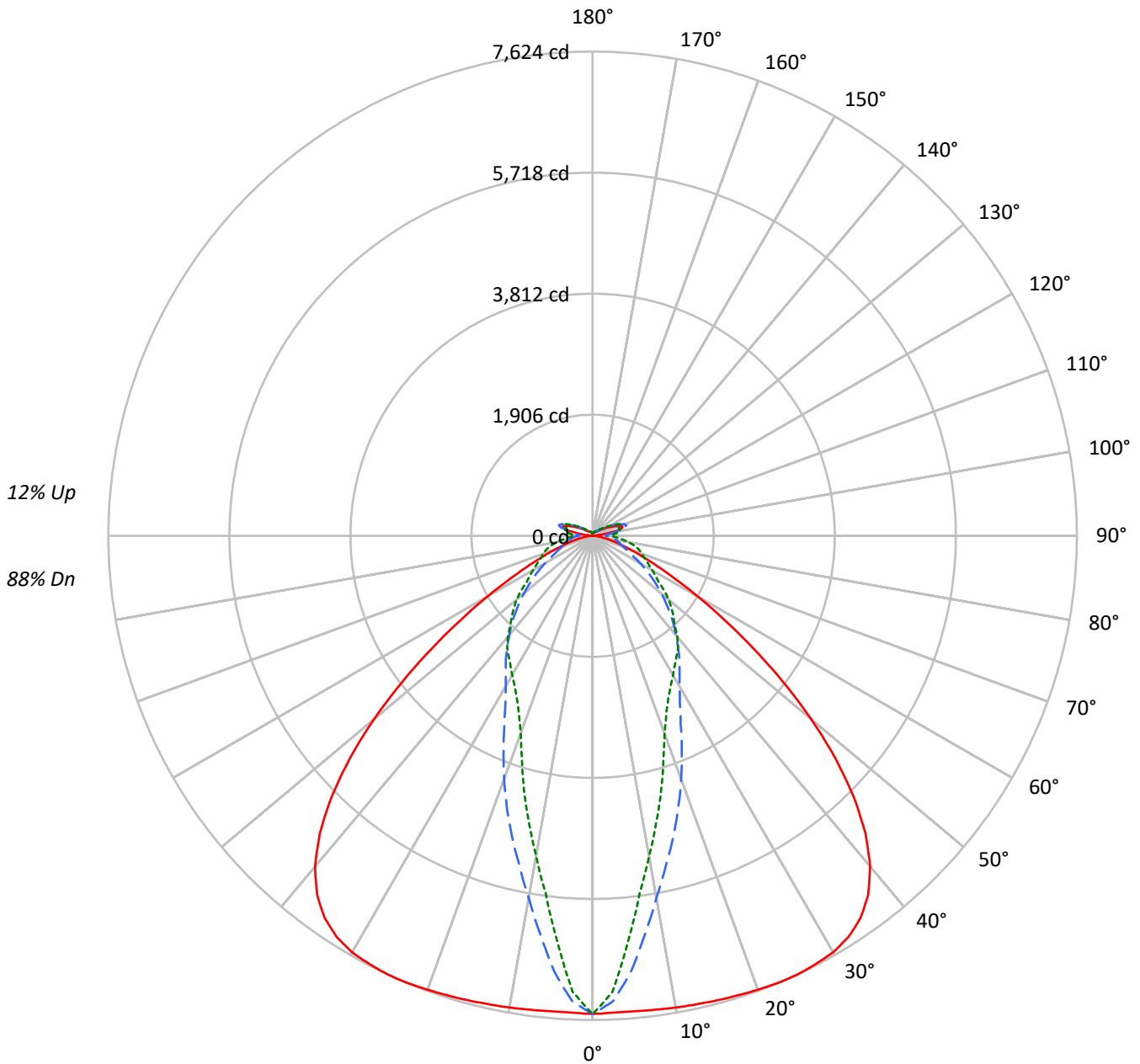
Lumens per Lamp: N/A
Luminaire Lumens: 12274.3 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 78.4
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

TEST NUMBER: P826461

CATALOG NUMBER: OHBL-12SE-N-UNV-L830-CD-UPL12

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	89	87	86	84	82	81	79	78	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	73	70	72	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	60	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	40	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°	24502	24502	24502
5°	24144	22190	20847
10°	24110	18589	16798
15°	24270	15810	13856
20°	24627	13293	11265
25°	25134	10938	9923
30°	25630	9365	9272
35°	25758	8478	8889
40°	24886	7602	8492
45°	22457	6814	7925
50°	18532	5964	7507
55°	13718	5167	6754
60°	9311	4373	6556
65°	6013	3704	6534
70°	3889	3400	7024
75°	2496	3400	7784
80°	1516	3591	8519
85°	699	4130	10159



TEST NUMBER: P826461

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	634.0	5.2
10°-20°	1491.4	12.2
20°-30°	1869.5	15.2
30°-40°	1983.7	16.2
40°-50°	1793.6	14.6
50°-60°	1300.5	10.6
60°-70°	816.1	6.6
70°-80°	540.1	4.4
80°-90°	314.1	2.6
90°-100°	261.4	2.1
100°-110°	489.2	4.0
110°-120°	395.0	3.2
120°-130°	189.6	1.5
130°-140°	93.6	0.8
140°-150°	54.0	0.4
150°-160°	30.3	0.2
160°-170°	14.0	0.1
170°-180°	4.2	0.0
0°-30°	3994.8	32.5
0°-40°	5978.5	48.7
0°-60°	9072.6	73.9
0°-90°	10742.8	87.5
90°-120°	1145.7	9.3
90°-150°	1482.9	12.1
90°-180°	1531.0	12.5
0°-180°	12274.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7531	7531	7531	7531	7531	
5°	7516	7324	6893	6574	6408	718
15°	7574	6173	4903	4360	4162	2148
25°	7624	4773	3283	2914	2821	3522
35°	7351	3173	2383	2308	2307	4570
45°	5811	2010	1727	1768	1798	4427
55°	3076	1246	1127	1222	1266	2780
65°	1100	722	652	836	929	1145
75°	340	389	438	680	721	379
85°	60	161	320	446	409	71
90°	3	84	208	290	296	6
95°	26	101	243	330	357	79
105°	487	507	525	445	426	461
115°	343	357	416	434	430	343
125°	172	182	215	224	224	160
135°	102	106	119	130	130	81
145°	78	81	83	90	90	49
155°	64	68	69	71	69	29
165°	48	48	49	49	49	14
175°	44	44	44	44	44	4
180°	43	43	43	43	43	



TEST NUMBER: P826461

CATALOG NUMBER: OHBL-12SE-N-UNV-L830-CD-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7531.4	7531.4	7531.4	7531.4	7531.4
2.5°	7515.5	7472.5	7338.5	7256.8	7188.0
5°	7516.3	7323.5	6893.4	6573.7	6408.1
7.5°	7527.1	7098.4	6323.5	5856.9	5674.8
10°	7543.5	6819.6	5791.7	5294.2	5124.4
12.5°	7555.7	6505.6	5323.6	4812.6	4626.2
15°	7573.6	6173.0	4902.8	4360.2	4162.4
17.5°	7590.1	5859.8	4487.1	3920.2	3700.1
20°	7606.6	5522.2	4071.4	3487.2	3305.9
22.5°	7622.4	5165.9	3665.6	3151.0	3027.0
25°	7623.8	4773.1	3282.9	2913.8	2821.3
27.5°	7605.2	4366.0	2972.6	2715.2	2657.9
30°	7573.0	3971.1	2731.7	2571.9	2531.0
32.5°	7492.6	3568.2	2545.3	2433.5	2409.9
35°	7350.7	3173.2	2382.6	2308.1	2307.3
37.5°	7127.0	2822.7	2206.3	2193.4	2209.1
40°	6796.6	2515.9	2039.3	2073.6	2073.6
42.5°	6355.8	2249.3	1888.0	1923.2	1913.9
45°	5811.0	2009.9	1726.7	1768.3	1798.4
47.5°	5179.6	1799.1	1561.8	1642.2	1683.7
50°	4492.8	1598.4	1411.4	1513.8	1561.2
52.5°	3773.2	1412.8	1264.4	1382.0	1419.9
55°	3076.5	1245.8	1126.8	1222.1	1265.8
57.5°	2445.7	1086.7	992.1	1082.3	1172.7
60°	1903.1	949.7	865.1	994.2	1084.5
62.5°	1453.6	827.9	746.2	911.8	1002.1
65°	1100.3	722.5	652.3	835.8	929.0
67.5°	829.3	631.5	579.2	780.6	871.7
70°	622.9	543.4	520.4	746.2	827.9
72.5°	460.2	462.3	473.8	716.1	778.4
75°	339.7	389.3	437.9	680.2	721.1
77.5°	243.0	322.5	405.7	637.2	651.6
80°	168.4	263.1	372.0	580.6	568.4
82.5°	105.3	210.8	341.9	518.2	484.5
85°	59.5	161.3	320.4	445.8	409.3
87.5°	26.5	120.4	280.3	347.7	324.7
90°	2.8	84.1	208.0	290.5	296.4
92.5°	9.8	77.3	206.7	289.7	301.5
95°	26.1	101.2	243.4	330.2	357.0
97.5°	129.3	178.4	307.8	388.8	406.7
100°	261.1	313.7	371.0	430.0	441.8
102.5°	413.5	437.4	423.8	438.8	440.0
105°	486.9	507.1	524.7	445.3	426.3



TEST NUMBER: P826461

CATALOG NUMBER: OHBL-12SE-N-UNV-L830-CD-UPL12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	396.1	416.1	478.6	487.3	475.1
115°	342.9	357.2	416.2	433.5	430.1
117.5°	289.6	304.1	357.8	372.9	371.8
120°	244.0	258.2	303.1	314.4	314.4
122.5°	206.8	217.2	255.8	265.2	265.4
125°	172.3	181.7	214.9	223.8	224.0
127.5°	144.7	151.7	181.8	191.0	190.2
130°	127.0	132.1	154.0	165.0	165.0
132.5°	113.2	117.4	134.1	145.1	146.0
135°	102.1	106.3	119.4	130.3	130.3
137.5°	94.6	98.6	107.2	117.4	118.4
140°	87.2	91.4	97.6	107.1	107.1
142.5°	82.4	84.9	89.6	97.7	98.6
145°	78.4	81.0	83.4	90.0	90.2
147.5°	73.7	77.0	79.7	83.2	83.4
150°	70.9	74.1	75.0	78.1	77.3
152.5°	67.2	70.4	71.3	73.6	72.9
155°	64.4	67.6	69.1	70.8	69.4
157.5°	53.0	54.9	54.9	55.8	55.8
160°	51.2	52.1	53.0	53.0	53.0
162.5°	49.3	50.2	50.2	51.2	51.2
165°	48.4	48.4	49.3	49.3	49.3
167.5°	46.5	46.5	47.5	47.5	47.5
170°	45.6	45.6	45.6	46.5	46.5
172.5°	44.7	44.7	44.7	44.7	44.7
175°	43.7	43.7	43.7	43.7	43.7
177.5°	42.8	43.7	43.7	43.7	43.7
180°	42.8	42.8	42.8	42.8	42.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	489.7	515.2	556.6	488.3	433.7
110°	449.4	476.0	528.6	517.0	474.6



(END OF REPORT)