

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: P826521

Luminaire Tested: **OHBL-18SE-NL-UNV-L830-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826521
REPORT IS A COMBINATION OF REPORTS P826069 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-18SE-NL-UNV-L830-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

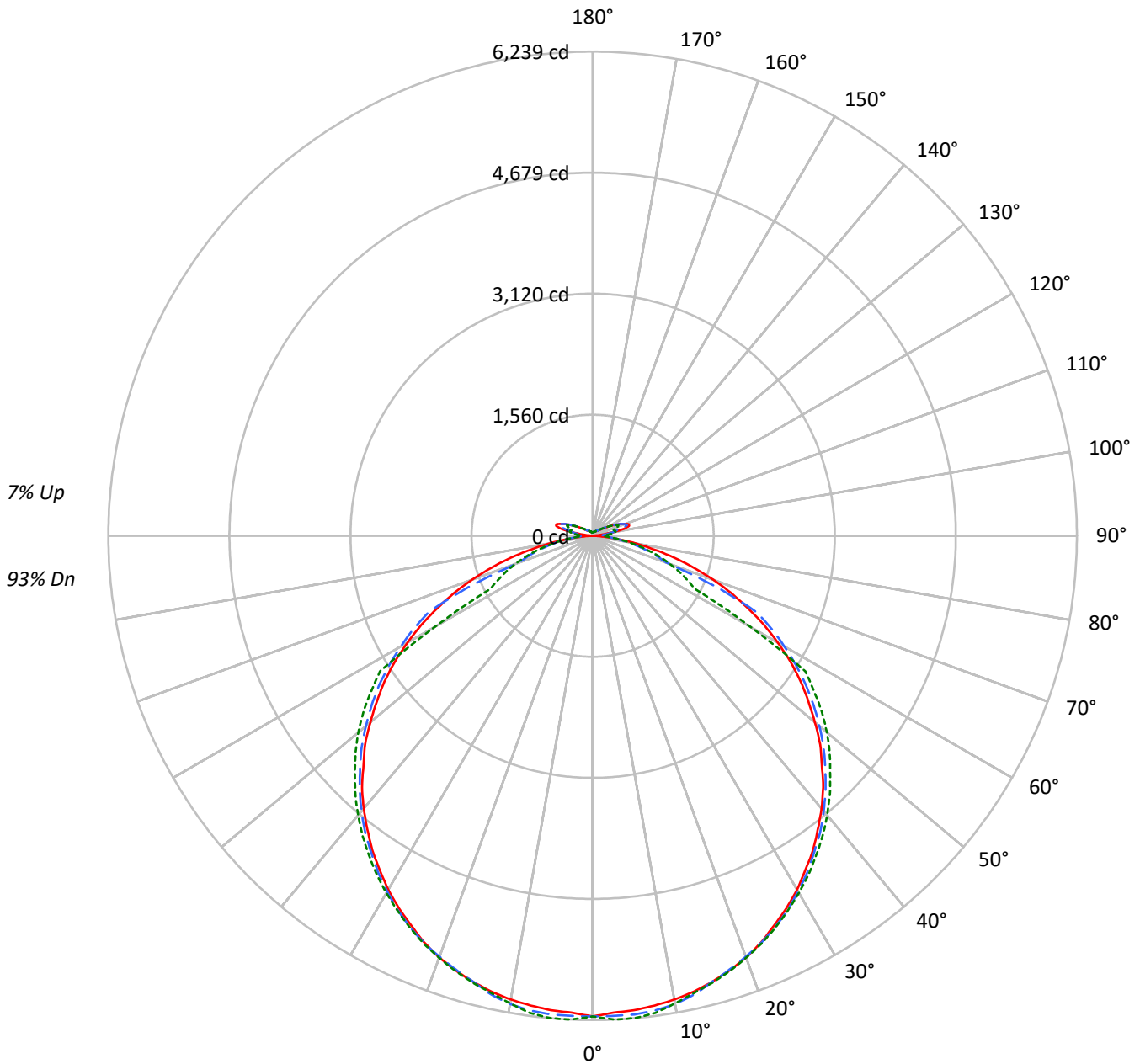
Lumens per Lamp: N/A
Luminaire Lumens: 18548.1 lumens
Efficiency: N/A
Efficacy: 163.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 113.4
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				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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	108	103	99	95	104	100	97	93	95	92	89	90	87	85	85	83	82	82	82	82	79
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	69	69	69	66
3	90	79	72	65	87	77	70	64	73	67	62	70	65	60	66	62	59	59	59	59	56
4	82	70	62	55	79	69	61	55	65	59	53	62	56	52	59	54	50	50	50	50	48
5	75	63	54	48	73	61	53	47	59	51	46	56	50	45	53	48	44	44	44	44	41
6	70	57	48	41	67	55	47	41	53	46	40	50	44	39	48	43	38	38	38	38	36
7	64	51	43	37	62	50	42	36	48	41	35	46	40	35	44	38	34	34	34	34	32
8	60	47	38	33	58	46	38	32	44	37	32	42	36	31	40	35	30	30	30	30	29
9	56	43	35	29	54	42	34	29	40	33	28	39	32	28	37	32	27	27	27	27	26
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	25	25	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10579	10579	10579
5°	10465	10559	10671
10°	10413	10510	10561
15°	10355	10350	10468
20°	10282	10263	10417
25°	10151	10198	10369
30°	10039	10084	10324
35°	9904	9950	10283
40°	9740	9824	10252
45°	9512	9646	10189
50°	9268	9445	10148
55°	8972	9191	9976
60°	8528	8815	7707
65°	7892	8333	5133
70°	7073	4284	4908
75°	5871	3872	4576
80°	4124	3239	4006
85°	1655	2595	3466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.4	3.2
10°-20°	1684.8	9.1
20°-30°	2563.6	13.8
30°-40°	3116.9	16.8
40°-50°	3277.3	17.7
50°-60°	2992.6	16.1
60°-70°	1918.4	10.3
70°-80°	906.2	4.9
80°-90°	254.2	1.4
90°-100°	177.3	1.0
100°-110°	403.4	2.2
110°-120°	335.9	1.8
120°-130°	158.6	0.9
130°-140°	79.3	0.4
140°-150°	46.1	0.2
150°-160°	26.9	0.1
160°-170°	14.0	0.1
170°-180°	4.2	0.0
0°-30°	4836.8	26.1
0°-40°	7953.7	42.9
0°-60°	14223.6	76.7
0°-90°	17302.4	93.3
90°-120°	916.6	4.9
90°-150°	1200.6	6.5
90°-180°	1246.0	6.7
0°-180°	18548.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6194	6194	6194	6194	6194	
5°	6136	6160	6192	6225	6238	584
15°	5950	5995	5949	5958	5962	1680
25°	5537	5546	5565	5574	5570	2555
35°	4949	4920	4976	5037	5023	3093
45°	4174	4167	4237	4337	4330	3226
55°	3271	3246	3356	3468	3477	2917
65°	2204	2204	2332	1338	1342	2185
75°	1089	1110	720	759	762	1148
85°	142	180	225	243	230	210
90°	3	78	122	147	149	8
95°	26	86	152	205	222	78
105°	486	488	423	305	281	461
115°	340	343	347	341	329	339
125°	164	170	174	172	173	153
135°	95	98	101	102	102	76
145°	70	72	73	74	74	44
155°	56	57	58	59	59	26
165°	48	48	49	49	49	14
175°	44	44	44	44	44	4
180°	43	43	43	43	43	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6193.6	6193.6	6193.6	6193.6	6193.6
2.5°	6150.1	6170.8	6193.6	6223.0	6239.2
5°	6136.0	6159.9	6191.5	6225.1	6238.2
7.5°	6105.6	6139.2	6169.7	6193.6	6201.2
10°	6067.5	6107.8	6125.2	6123.0	6117.6
12.5°	6016.4	6058.8	6053.4	6028.4	6032.8
15°	5950.2	5994.6	5949.1	5957.8	5962.1
17.5°	5871.9	5915.4	5862.1	5879.5	5880.6
20°	5780.7	5813.2	5772.0	5786.1	5786.1
22.5°	5670.9	5693.7	5676.3	5686.1	5688.3
25°	5537.2	5545.8	5565.4	5574.1	5569.7
27.5°	5409.0	5398.1	5436.2	5456.8	5445.8
30°	5266.6	5249.2	5293.7	5327.4	5314.4
32.5°	5103.5	5092.7	5143.8	5183.9	5176.4
35°	4949.3	4919.8	4976.4	5037.3	5023.1
37.5°	4766.7	4749.3	4813.4	4877.5	4870.0
40°	4588.4	4559.1	4631.9	4708.0	4700.3
42.5°	4397.2	4362.4	4441.7	4533.0	4524.3
45°	4174.3	4166.7	4237.4	4337.3	4329.8
47.5°	3976.6	3938.6	4037.4	4134.2	4142.9
50°	3737.4	3723.3	3813.6	3930.9	3939.6
52.5°	3503.8	3494.0	3588.5	3707.1	3722.2
55°	3271.2	3246.2	3356.0	3467.9	3476.6
57.5°	3022.4	2996.3	3108.2	3230.0	3248.4
60°	2756.0	2731.1	2853.8	2967.0	2359.4
62.5°	2489.8	2472.4	2600.7	1842.1	1484.6
65°	2204.0	2204.0	2332.2	1337.9	1342.1
67.5°	1936.7	1919.4	1738.9	1201.9	1201.9
70°	1649.8	1656.3	1001.9	1053.1	1054.2
72.5°	1361.8	1385.7	865.1	906.4	908.5
75°	1088.9	1109.7	720.5	758.6	761.8
77.5°	799.9	615.1	579.2	608.7	609.7
80°	561.9	387.9	443.4	471.6	468.4
82.5°	328.1	271.6	325.0	345.6	344.5
85°	142.4	180.4	224.9	243.4	230.3
87.5°	45.6	111.9	140.1	151.0	149.9
90°	2.8	77.6	122.3	147.2	148.9
92.5°	8.4	69.1	122.4	158.9	164.7
95°	26.5	85.5	151.9	204.7	221.5
97.5°	127.8	159.6	205.6	258.4	270.0
100°	259.0	294.8	263.5	294.4	300.2
102.5°	413.9	418.1	314.6	300.8	297.4
105°	486.5	487.5	423.1	304.9	280.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	395.5	400.5	401.0	382.8	359.3
115°	340.4	342.6	346.7	340.8	328.6
117.5°	281.0	284.8	287.5	284.8	282.9
120°	235.4	241.0	242.9	239.2	239.2
122.5°	198.2	202.9	205.7	202.9	203.8
125°	163.8	170.3	174.0	172.2	173.1
127.5°	136.8	142.4	148.9	148.0	148.0
130°	119.1	122.8	127.5	128.4	128.4
132.5°	106.1	108.9	112.6	113.5	114.5
135°	94.9	97.7	101.4	102.4	102.4
137.5°	87.5	89.3	92.1	93.1	94.0
140°	80.0	82.8	84.7	85.6	85.6
142.5°	74.4	76.3	78.2	79.1	80.0
145°	69.8	71.7	72.6	73.5	74.4
147.5°	65.1	67.0	68.9	68.9	69.8
150°	62.3	63.3	64.2	65.1	65.1
152.5°	58.6	59.6	60.5	61.4	61.4
155°	55.8	56.8	57.7	58.6	58.6
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°	489.3	496.5	462.8	356.9	290.8
110°	449.5	459.2	442.0	399.6	344.4



(END OF REPORT)