

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: P826526

Luminaire Tested: **OHBL-18SE-W-UNV-L830-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826526
REPORT IS A COMBINATION OF REPORTS P826238 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-18SE-W-UNV-L830-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

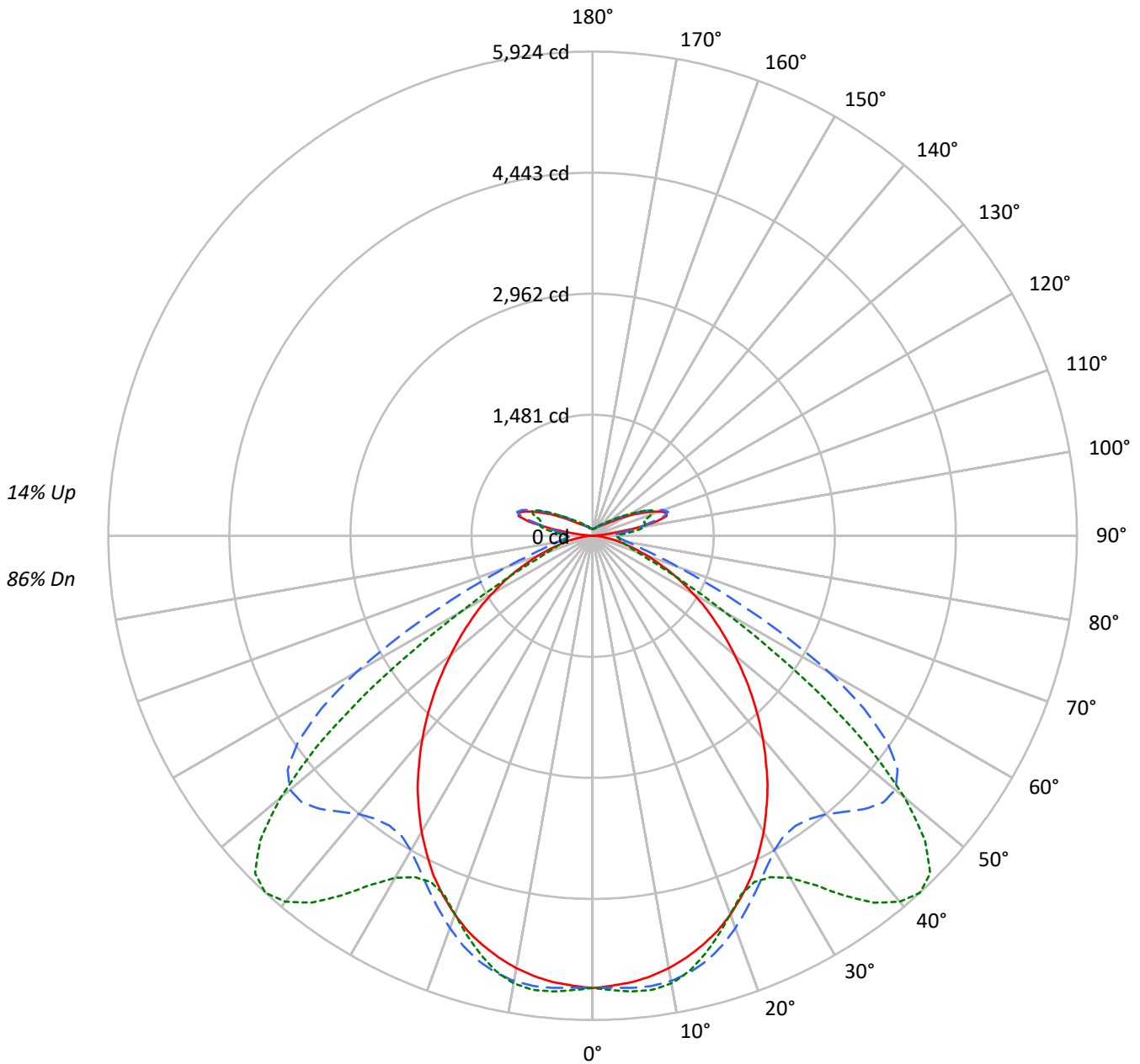
Lumens per Lamp: N/A
Luminaire Lumens: 18820.7 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 122.4
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									
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	111	111	111	111	103	103	103	96	96	96	89	89	89	86																			
1	106	102	97	94	102	98	94	91	91	88	86	85	83	81	79	77	76	73																			
2	97	89	82	77	93	86	80	75	80	75	71	75	71	67	70	67	64	61																			
3	88	78	70	64	85	76	68	63	71	65	60	66	61	57	62	58	54	52																			
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	50	47	44																			
5	74	62	53	46	71	60	52	46	56	49	44	53	47	42	49	44	40	38																			
6	68	55	46	40	65	54	45	40	50	43	38	47	41	37	45	39	35	33																			
7	63	50	41	35	61	48	40	35	46	39	33	43	37	32	41	35	31	29																			
8	59	45	37	31	56	44	36	31	42	35	30	39	33	29	37	32	28	26																			
9	55	41	33	28	52	40	33	27	38	31	27	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	29	24	33	27	23	32	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9451	9451	9451
5°	9318	9438	9559
10°	9156	9424	9570
15°	8933	9268	9264
20°	8645	8949	8810
25°	8276	8564	8633
30°	7802	8277	9290
35°	7270	8430	10871
40°	6663	9130	12568
45°	6032	10356	13509
50°	5380	11451	12571
55°	4766	11436	9605
60°	4143	9675	5873
65°	3492	6680	3558
70°	2769	4318	2569
75°	2031	3094	2381
80°	1371	2717	2686
85°	818	2983	4247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.8	2.8
10°-20°	1497.4	8.0
20°-30°	2191.2	11.6
30°-40°	2845.7	15.1
40°-50°	3475.0	18.5
50°-60°	3060.2	16.3
60°-70°	1594.7	8.5
70°-80°	683.9	3.6
80°-90°	334.2	1.8
90°-100°	370.0	2.0
100°-110°	844.9	4.5
110°-120°	699.2	3.7
120°-130°	339.1	1.8
130°-140°	169.7	0.9
140°-150°	96.8	0.5
150°-160°	54.7	0.3
160°-170°	27.0	0.1
170°-180°	8.2	0.0
0°-30°	4217.4	22.4
0°-40°	7063.1	37.5
0°-60°	13598.3	72.3
0°-90°	16211.1	86.1
90°-120°	1914.1	10.2
90°-150°	2519.7	13.4
90°-180°	2610.0	13.9
0°-180°	18820.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5534	5534	5534	5534	5534	
5°	5482	5524	5554	5603	5597	520
15°	5187	5333	5384	5344	5301	1461
25°	4596	4842	4760	4670	4675	2109
35°	3731	4125	4331	5051	5375	2325
45°	2747	3456	4724	5720	5839	2118
55°	1829	3028	4399	3857	3429	1642
65°	1049	2098	2014	1120	964	1038
75°	423	981	647	443	420	461
85°	90	350	330	322	326	100
90°	6	158	261	306	318	10
95°	52	177	333	415	449	155
105°	938	965	898	694	651	891
115°	651	674	720	733	730	657
125°	323	343	378	389	388	302
135°	193	197	215	230	234	153
145°	144	146	150	158	161	91
155°	118	119	119	120	120	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°	5533.5	5533.5	5533.5	5533.5	5533.5
2.5°	5509.7	5533.5	5534.8	5568.3	5564.6
5°	5482.3	5524.1	5553.9	5602.9	5596.8
7.5°	5436.9	5502.6	5555.0	5608.8	5604.0
10°	5372.4	5462.0	5531.2	5575.3	5561.1
12.5°	5288.8	5407.1	5475.1	5484.6	5457.2
15°	5187.4	5333.0	5384.4	5343.8	5300.8
17.5°	5072.7	5243.5	5261.4	5173.1	5119.4
20°	4929.5	5124.1	5106.1	4984.4	4924.7
22.5°	4770.7	4992.8	4935.5	4807.7	4750.4
25°	4596.4	4842.3	4760.0	4670.5	4675.2
27.5°	4392.2	4671.6	4591.6	4632.2	4708.6
30°	4184.5	4492.5	4443.6	4680.0	4830.4
32.5°	3956.4	4308.7	4352.9	4819.6	5065.6
35°	3730.9	4124.8	4331.4	5051.2	5374.8
37.5°	3481.3	3938.6	4366.0	5318.7	5657.8
40°	3239.0	3757.1	4444.8	5558.7	5845.2
42.5°	2991.8	3594.7	4577.3	5700.8	5924.0
45°	2747.1	3456.3	4724.2	5719.8	5839.2
47.5°	2502.4	3339.3	4825.6	5568.3	5513.3
50°	2266.0	3235.4	4832.7	5204.0	4979.6
52.5°	2045.1	3139.9	4701.4	4623.8	4275.3
55°	1829.0	3027.7	4399.4	3857.4	3428.8
57.5°	1632.0	2872.4	3933.8	3033.6	2565.6
60°	1423.1	2662.3	3332.1	2219.4	1850.5
62.5°	1230.8	2400.8	2657.6	1544.9	1330.0
65°	1049.4	2097.7	2014.1	1119.8	963.5
67.5°	857.2	1783.7	1486.4	816.6	716.3
70°	706.8	1492.3	1106.7	635.1	576.7
72.5°	552.8	1215.4	827.4	515.7	483.5
75°	422.7	981.4	647.1	442.9	420.2
77.5°	311.6	776.0	520.6	391.6	370.1
80°	218.5	611.3	435.8	349.8	341.4
82.5°	146.8	472.8	371.3	333.0	334.3
85°	89.5	349.8	329.5	322.3	325.9
87.5°	43.0	248.4	283.0	293.7	297.3
90°	5.9	158.2	261.0	306.1	318.5
92.5°	15.8	138.6	258.0	316.9	335.0
95°	51.7	177.3	333.1	415.1	449.0
97.5°	252.7	331.6	446.5	538.9	573.2
100°	517.2	597.9	578.6	633.6	645.5
102.5°	797.3	835.6	699.2	666.0	660.9
105°	938.1	964.9	897.6	694.2	650.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	759.1	791.7	827.0	822.2	794.9
115°	651.1	674.4	719.7	733.4	730.2
117.5°	559.3	573.3	616.4	629.8	631.9
120°	464.3	484.1	527.2	536.7	532.4
122.5°	390.8	408.0	445.7	457.0	452.6
125°	322.9	343.2	378.4	389.4	387.8
127.5°	273.3	286.6	322.2	335.0	335.3
130°	238.9	246.3	277.1	290.0	293.3
132.5°	212.8	219.3	242.6	258.2	259.7
135°	193.3	197.0	215.4	230.4	233.5
137.5°	177.5	180.2	194.2	208.9	211.3
140°	163.5	167.2	176.6	190.5	192.5
142.5°	152.6	155.1	162.4	173.8	175.0
145°	144.5	145.8	149.8	157.9	161.2
147.5°	136.1	138.7	140.5	147.1	148.3
150°	129.6	131.5	131.9	135.2	138.5
152.5°	123.1	125.0	125.3	126.3	128.7
155°	117.5	119.4	118.8	119.8	119.8
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°	943.0	977.8	968.5	799.0	687.8
110°	870.4	905.1	919.3	866.8	777.9



(END OF REPORT)