

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: P826524

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826524
REPORT IS A COMBINATION OF REPORTS P826070 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-W-UNV-L830-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

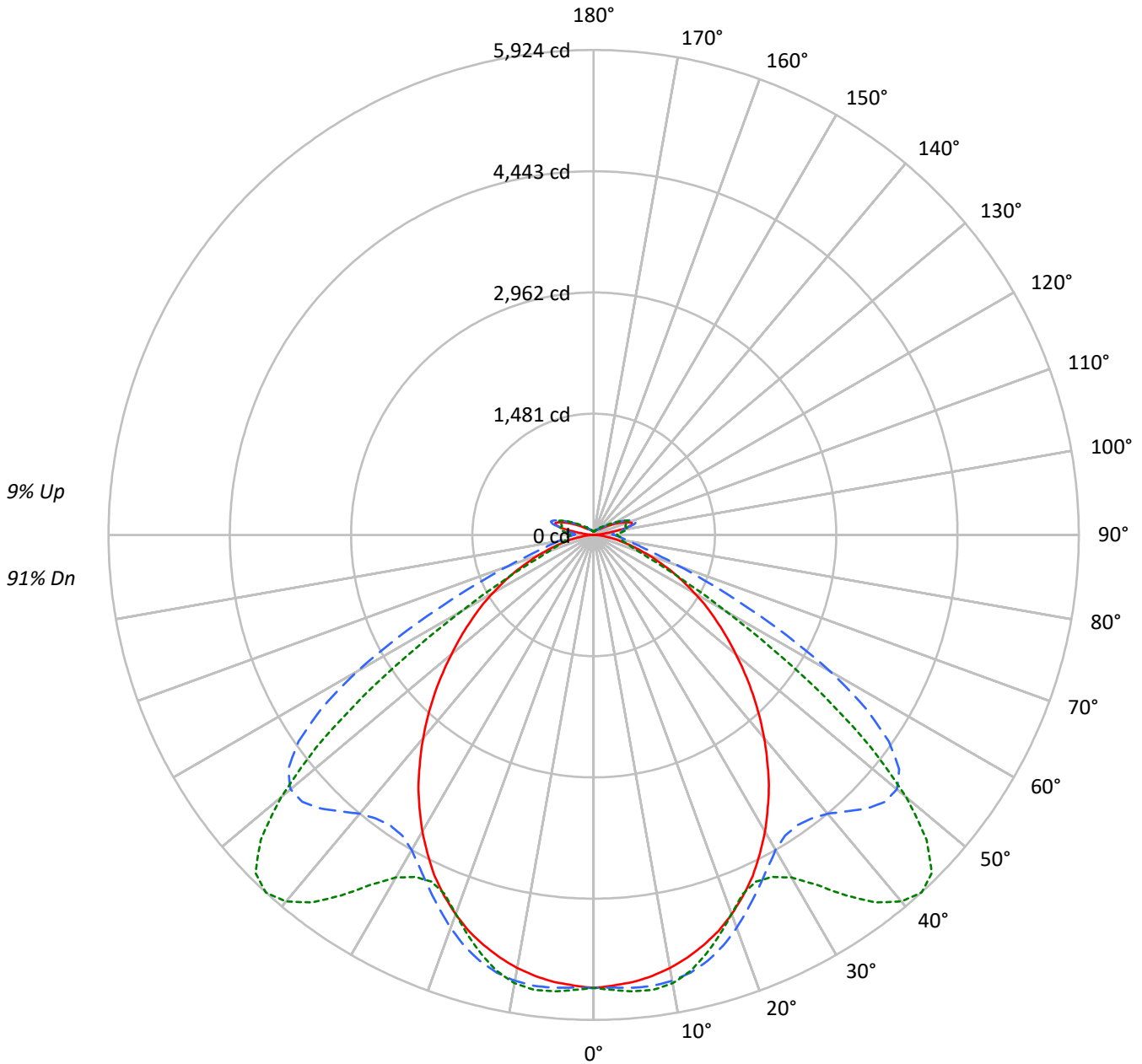
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17727.4 lumens
Efficiency: N/A
Efficacy: 156.3 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: 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									
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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91																			
1	107	103	99	95	104	100	96	93	94	91	88	88	86	84	84	82	80	77																			
2	98	90	83	78	94	87	81	76	82	77	73	78	74	70	74	70	68	65																			
3	89	79	71	65	86	77	70	64	73	67	62	69	64	59	65	61	57	55																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	62	54	47	72	61	53	46	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	46	40	52	45	39	49	43	38	47	42	37	35																			
7	64	50	42	36	62	49	41	35	47	40	35	45	38	34	43	37	33	31																			
8	59	46	37	32	57	45	37	31	43	36	31	41	35	30	39	34	29	27																			
9	55	42	34	28	53	41	33	28	39	32	27	38	31	27	36	30	26	24																			
10	52	39	31	26	50	38	30	25	36	29	25	35	29	24	33	28	24	22																			

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	3.0
10°-20°	1497.4	8.4
20°-30°	2191.2	12.4
30°-40°	2845.7	16.1
40°-50°	3475.0	19.6
50°-60°	3060.2	17.3
60°-70°	1594.7	9.0
70°-80°	683.9	3.9
80°-90°	331.4	1.9
90°-100°	265.0	1.5
100°-110°	481.1	2.7
110°-120°	387.5	2.2
120°-130°	189.4	1.1
130°-140°	94.8	0.5
140°-150°	53.6	0.3
150°-160°	29.5	0.2
160°-170°	14.0	0.1
170°-180°	4.2	0.0
0°-30°	4217.4	23.8
0°-40°	7063.1	39.8
0°-60°	13598.3	76.7
0°-90°	16208.3	91.4
90°-120°	1133.6	6.4
90°-150°	1471.4	8.3
90°-180°	1519.0	8.6
0°-180°	17727.4	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°	4	143	240	277	287	8
95°	26	128	253	311	334	78
105°	486	517	518	422	402	460
115°	342	359	405	418	415	342
125°	172	182	215	225	227	160
135°	102	105	120	135	136	81
145°	79	79	81	89	92	50
155°	65	66	65	66	66	29
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°	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°	4.0	143.3	239.6	277.2	286.9
92.5°	8.4	118.1	226.4	272.3	282.9
95°	25.7	128.0	253.1	310.9	333.6
97.5°	128.0	197.6	309.7	368.6	381.5
100°	260.4	329.0	368.3	408.4	416.6
102.5°	412.0	449.5	418.2	416.6	414.3
105°	485.8	517.3	517.9	422.5	401.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	396.1	420.4	467.8	469.6	456.2
115°	342.2	358.9	405.2	417.9	414.7
117.5°	289.4	306.2	348.4	359.9	359.3
120°	243.8	258.9	295.5	306.0	307.2
122.5°	206.6	217.2	252.2	262.5	264.6
125°	172.2	182.2	214.6	224.7	226.8
127.5°	144.0	150.8	183.5	194.5	195.7
130°	126.3	130.0	156.1	169.0	171.4
132.5°	113.2	116.0	136.5	149.4	152.7
135°	102.1	104.9	120.5	134.6	135.8
137.5°	94.6	96.5	107.7	120.5	123.9
140°	87.2	90.0	96.6	109.5	110.6
142.5°	82.8	83.5	88.9	99.4	101.5
145°	79.4	78.8	81.0	89.1	92.3
147.5°	74.7	75.4	77.2	82.0	84.1
150°	71.9	72.9	71.4	74.7	77.0
152.5°	68.2	69.1	67.7	68.6	71.0
155°	65.4	66.3	64.9	65.8	65.8
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°	489.8	522.8	547.9	467.7	410.5
110°	448.9	481.7	517.3	498.3	453.2



(END OF REPORT)