

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: P826509

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826509
REPORT IS A COMBINATION OF REPORTS P826065 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-A-UNV-L830-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

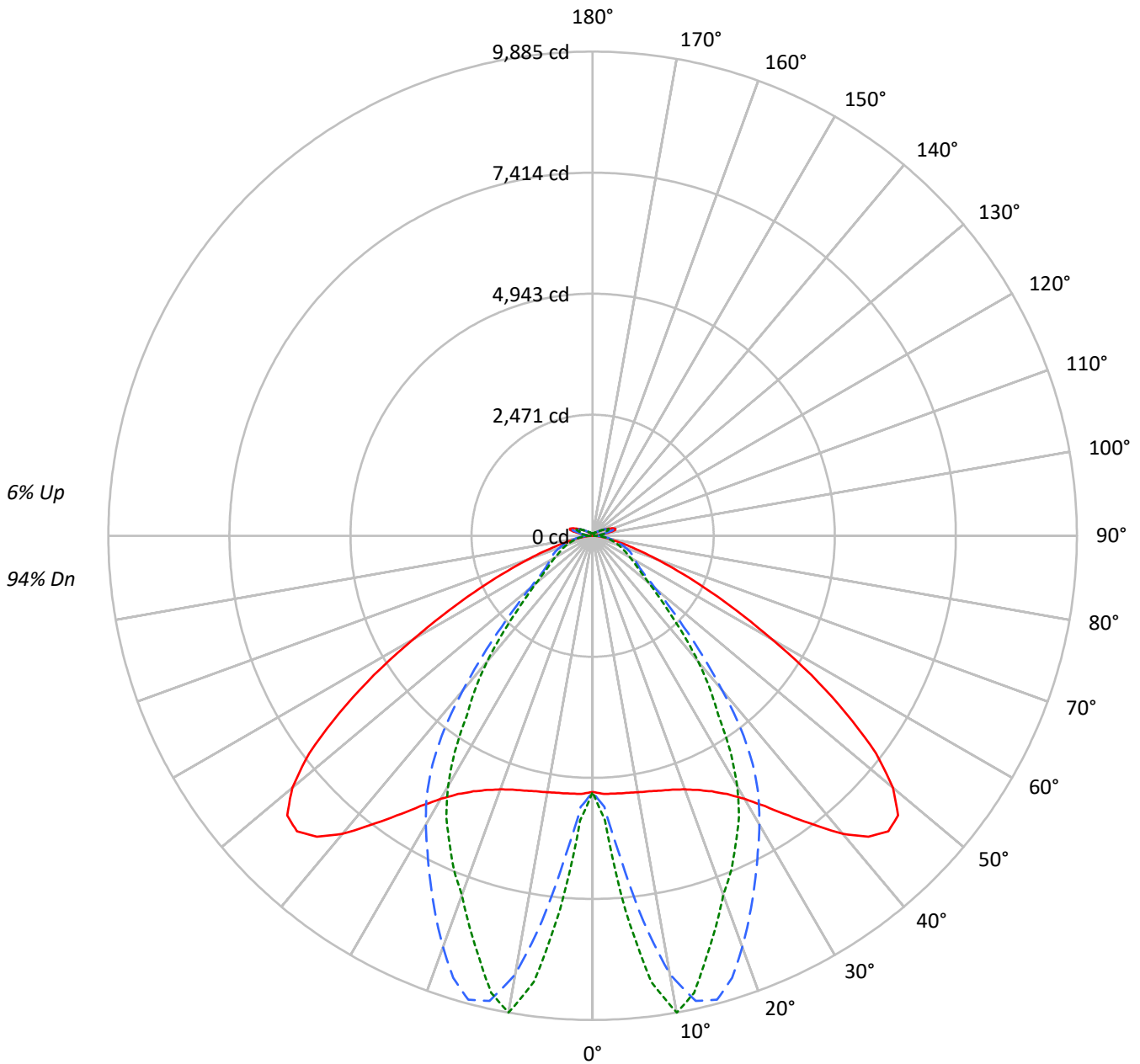
Lumens per Lamp: N/A
Luminaire Lumens: 17945.2 lumens
Efficiency: N/A
Efficacy: 158.2 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94																			
1	109	105	101	98	106	102	99	96	97	94	92	92	90	88	87	86	84	82																			
2	101	94	88	83	98	91	86	82	87	83	79	83	79	76	79	76	74	71																			
3	93	84	77	72	90	82	76	71	78	73	69	75	70	67	72	68	65	63																			
4	86	76	68	63	84	74	67	62	71	65	60	68	63	59	65	61	57	55																			
5	80	69	61	55	78	67	60	55	65	58	53	62	57	52	60	55	51	49																			
6	75	63	55	49	72	62	54	49	59	53	48	57	51	47	55	50	46	44																			
7	70	57	50	44	68	56	49	44	54	48	43	52	47	42	51	46	42	40																			
8	65	53	45	40	63	52	45	40	50	44	39	48	43	38	47	42	38	36																			
9	61	49	41	36	59	48	41	36	46	40	36	45	39	35	44	38	35	33																			
10	57	45	38	33	56	45	38	33	43	37	33	42	36	32	41	35	32	30																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8934	8934	8934
5°	8980	11237	13097
10°	9060	15493	17012
15°	9276	16877	15614
20°	9660	15660	13954
25°	10364	14083	12764
30°	11557	12681	11350
35°	13586	11099	9044
40°	16336	8452	7198
45°	18739	5759	5123
50°	18997	3950	3789
55°	16444	3109	3095
60°	12283	2909	2785
65°	8419	2918	2638
70°	5383	2815	2555
75°	3237	2605	2445
80°	1905	2289	2523
85°	917	1965	2338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	682.9	3.8
10°-20°	2410.3	13.4
20°-30°	3551.8	19.8
30°-40°	3732.4	20.8
40°-50°	2856.0	15.9
50°-60°	1724.5	9.6
60°-70°	1052.4	5.9
70°-80°	574.4	3.2
80°-90°	204.6	1.1
90°-100°	110.7	0.6
100°-110°	385.2	2.1
110°-120°	330.9	1.8
120°-130°	158.6	0.9
130°-140°	79.3	0.4
140°-150°	46.1	0.3
150°-160°	26.9	0.1
160°-170°	14.0	0.1
170°-180°	4.2	0.0
0°-30°	6645.1	37.0
0°-40°	10377.4	57.8
0°-60°	14957.9	83.4
0°-90°	16789.2	93.6
90°-120°	826.7	4.6
90°-150°	1110.8	6.2
90°-180°	1156.0	6.4
0°-180°	17945.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5231	5231	5231	5231	5231	
5°	5284	5668	6613	7384	7668	505
15°	5386	8390	9805	9150	8934	1532
25°	5756	9737	7828	7087	6912	2690
35°	6972	7798	5703	4749	4472	4423
45°	8534	4449	2627	2312	2214	6448
55°	6311	1509	1196	1108	1105	5577
65°	2530	955	880	753	714	2592
75°	674	594	545	450	431	775
85°	100	184	217	198	179	124
90°	3	17	22	29	33	7
95°	23	54	80	108	125	76
105°	481	476	406	288	264	455
115°	335	335	336	333	328	335
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°	5231.0	5231.0	5231.0	5231.0	5231.0
2.5°	5273.9	5327.7	5540.0	5760.2	5813.8
5°	5283.5	5668.5	6612.6	7383.6	7668.5
7.5°	5294.8	6220.5	7941.7	8885.6	9187.7
10°	5316.1	6918.6	9093.4	9771.0	9885.2
12.5°	5342.5	7658.2	9727.0	9702.3	9558.4
15°	5386.5	8389.7	9805.1	9149.7	8934.5
17.5°	5432.8	9008.5	9464.6	8548.0	8360.8
20°	5507.9	9467.9	8935.0	8013.3	7800.4
22.5°	5616.2	9720.6	8379.6	7529.7	7390.8
25°	5756.0	9736.9	7828.0	7087.0	6912.1
27.5°	5943.3	9511.0	7299.3	6653.5	6468.7
30°	6198.1	9078.5	6808.0	6130.6	5901.3
32.5°	6544.2	8456.1	6301.5	5499.3	5242.3
35°	6972.2	7797.5	5702.8	4749.3	4471.5
37.5°	7439.2	7066.2	4976.2	4085.0	3923.3
40°	7941.7	6312.7	4115.1	3463.4	3347.7
42.5°	8333.8	5493.5	3315.2	2878.2	2755.1
45°	8533.7	4449.4	2627.0	2311.6	2214.4
47.5°	8455.9	3453.8	2082.6	1836.7	1807.5
50°	8001.6	2550.3	1667.1	1513.0	1500.9
52.5°	7291.4	1900.8	1377.0	1281.7	1260.9
55°	6310.9	1508.7	1195.9	1108.4	1104.9
57.5°	5298.6	1281.7	1085.5	1017.7	994.2
60°	4218.8	1142.9	1001.8	925.3	877.5
62.5°	3306.9	1045.8	940.3	836.5	791.8
65°	2530.1	955.1	879.7	752.8	714.5
67.5°	1886.0	868.8	805.8	664.9	642.5
70°	1374.2	780.2	721.4	591.3	573.6
72.5°	979.4	691.8	637.1	522.2	502.7
75°	673.6	594.0	544.8	449.6	431.4
77.5°	454.5	494.1	454.0	383.8	376.2
80°	303.5	391.9	367.2	325.2	320.6
82.5°	184.2	284.5	289.8	264.5	251.7
85°	100.3	184.2	217.1	197.8	179.4
87.5°	39.3	102.1	149.6	134.4	126.6
90°	2.8	16.8	22.3	28.8	32.6
92.5°	8.4	21.4	35.4	50.2	54.9
95°	23.3	54.0	80.0	107.9	124.7
97.5°	125.6	136.8	154.5	182.4	191.7
100°	256.8	276.4	229.8	240.1	244.7
102.5°	408.5	402.9	294.1	266.1	261.5
105°	481.1	475.5	405.7	287.5	264.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	389.0	391.8	389.0	374.1	358.3
115°	335.0	335.0	335.9	333.1	327.6
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°	483.9	485.8	447.6	347.1	287.5
110°	442.9	449.5	429.0	390.8	343.4



(END OF REPORT)