

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: P826511

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826511
REPORT IS A COMBINATION OF REPORTS P826233 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-A-UNV-L830-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

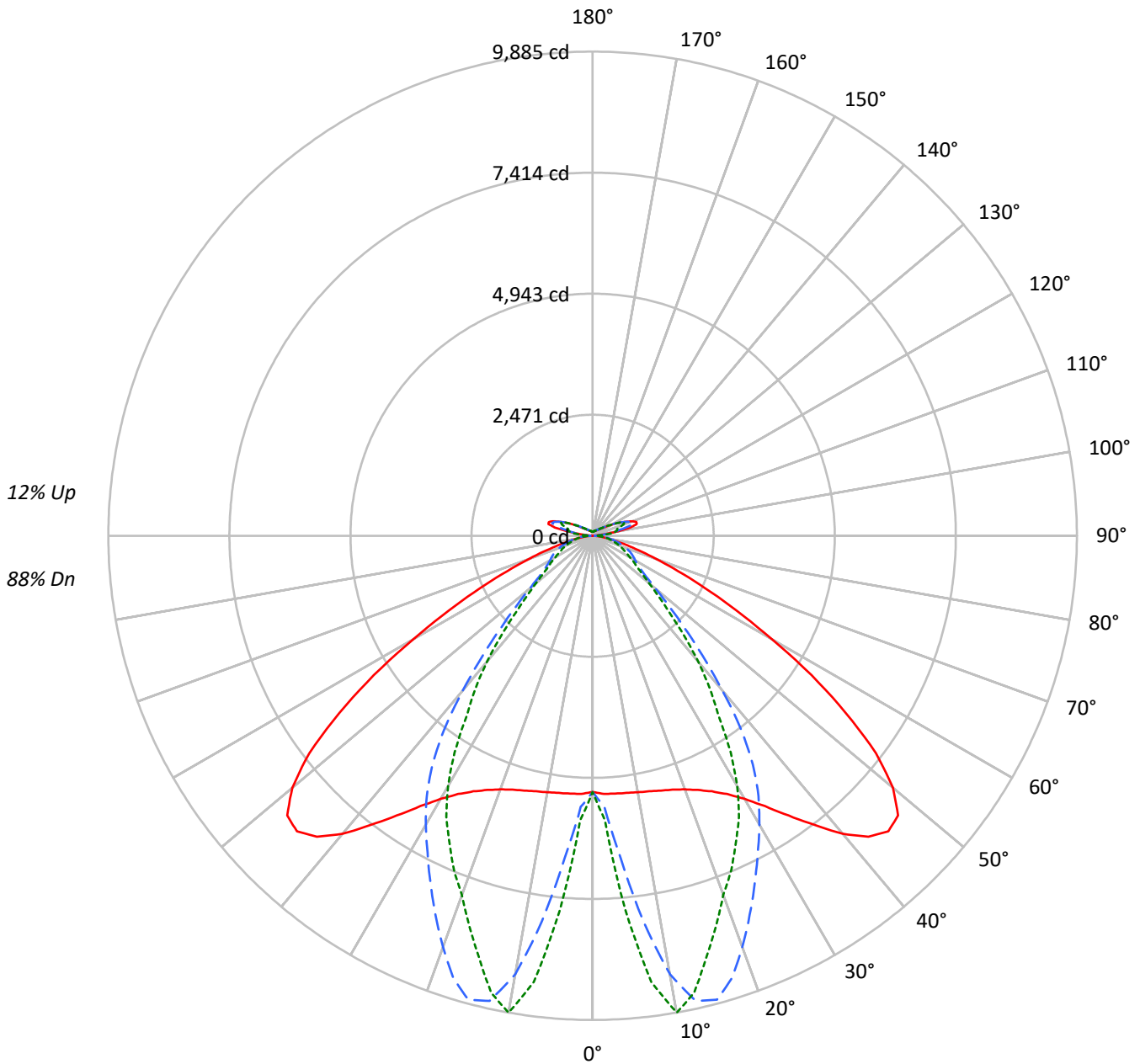
Lumens per Lamp: N/A
Luminaire Lumens: 19038.5 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 122.4
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

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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	112	112	112	112	105	105	105	98	98	98	91	91	91	88				88															
1	108	104	100	97	104	100	97	94	94	92	89	88	86	84	83	81	80	77				77															
2	100	93	87	82	96	90	85	80	84	80	77	80	76	73	75	72	70	67				67															
3	92	83	76	71	89	81	74	69	76	71	66	72	68	64	68	64	61	59				59															
4	85	75	67	61	82	73	66	60	69	63	58	65	60	56	62	58	54	52				52															
5	79	68	60	54	76	66	59	53	63	56	52	60	54	50	57	52	49	46				46															
6	73	62	54	48	71	60	53	47	57	51	46	55	49	45	52	47	44	42				42															
7	68	56	49	43	66	55	48	43	53	46	42	50	45	40	48	43	39	37				37															
8	64	52	44	39	62	51	43	38	48	42	38	46	41	37	44	40	36	34				34															
9	60	48	40	35	58	47	40	35	45	39	34	43	37	33	41	36	33	31				31															
10	56	44	37	32	55	43	37	32	42	36	31	40	35	31	38	34	30	28				28															

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	3.6
10°-20°	2410.3	12.7
20°-30°	3551.8	18.7
30°-40°	3732.4	19.6
40°-50°	2856.0	15.0
50°-60°	1724.5	9.1
60°-70°	1052.4	5.5
70°-80°	574.4	3.0
80°-90°	207.4	1.1
90°-100°	215.8	1.1
100°-110°	749.0	3.9
110°-120°	642.5	3.4
120°-130°	308.2	1.6
130°-140°	154.2	0.8
140°-150°	89.4	0.5
150°-160°	52.1	0.3
160°-170°	27.0	0.1
170°-180°	8.2	0.0
0°-30°	6645.1	34.9
0°-40°	10377.4	54.5
0°-60°	14957.9	78.6
0°-90°	16792.0	88.2
90°-120°	1607.3	8.4
90°-150°	2159.2	11.3
90°-180°	2246.0	11.8
0°-180°	19038.5	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°	5	32	44	58	64	9
95°	49	103	160	212	240	153
105°	933	923	785	559	514	886
115°	644	650	650	649	643	649
125°	314	331	338	337	334	295
135°	186	190	196	198	200	147
145°	135	139	141	142	143	86
155°	108	110	112	113	113	51
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°	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°	4.7	31.6	43.7	57.7	64.2
92.5°	15.8	41.9	67.0	94.9	107.0
95°	49.3	103.3	160.1	212.2	240.1
97.5°	250.3	270.8	291.3	352.7	383.4
100°	513.7	545.3	440.2	465.3	473.7
102.5°	793.8	789.1	575.1	515.5	508.1
105°	933.3	923.1	785.4	559.3	513.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	751.9	763.1	748.2	726.8	697.0
115°	643.9	650.5	650.5	648.6	643.0
117.5°	550.9	551.8	555.5	554.6	555.5
120°	456.0	466.2	474.6	469.9	464.3
122.5°	382.5	393.6	399.2	397.3	391.8
125°	314.5	331.3	337.8	336.9	334.1
127.5°	266.1	278.2	287.5	288.5	287.5
130°	231.7	239.2	248.5	249.4	250.3
132.5°	205.7	212.2	218.7	222.4	221.5
135°	186.1	189.8	196.3	198.2	200.1
137.5°	170.3	173.1	178.7	181.5	181.5
140°	156.3	160.1	164.7	166.6	167.5
142.5°	144.2	148.0	151.7	153.5	153.5
145°	134.9	138.7	141.4	142.4	143.3
147.5°	126.6	130.3	132.1	134.0	134.0
150°	120.0	121.9	124.7	125.6	126.6
152.5°	113.5	115.4	118.2	119.1	119.1
155°	107.9	109.8	111.7	112.6	112.6
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°	937.1	940.8	868.2	678.4	564.8
110°	864.5	872.9	831.0	759.3	668.1



(END OF REPORT)