

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: P826508

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826508
REPORT IS A COMBINATION OF REPORTS P826232 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-18HE-W-UNV-L830-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

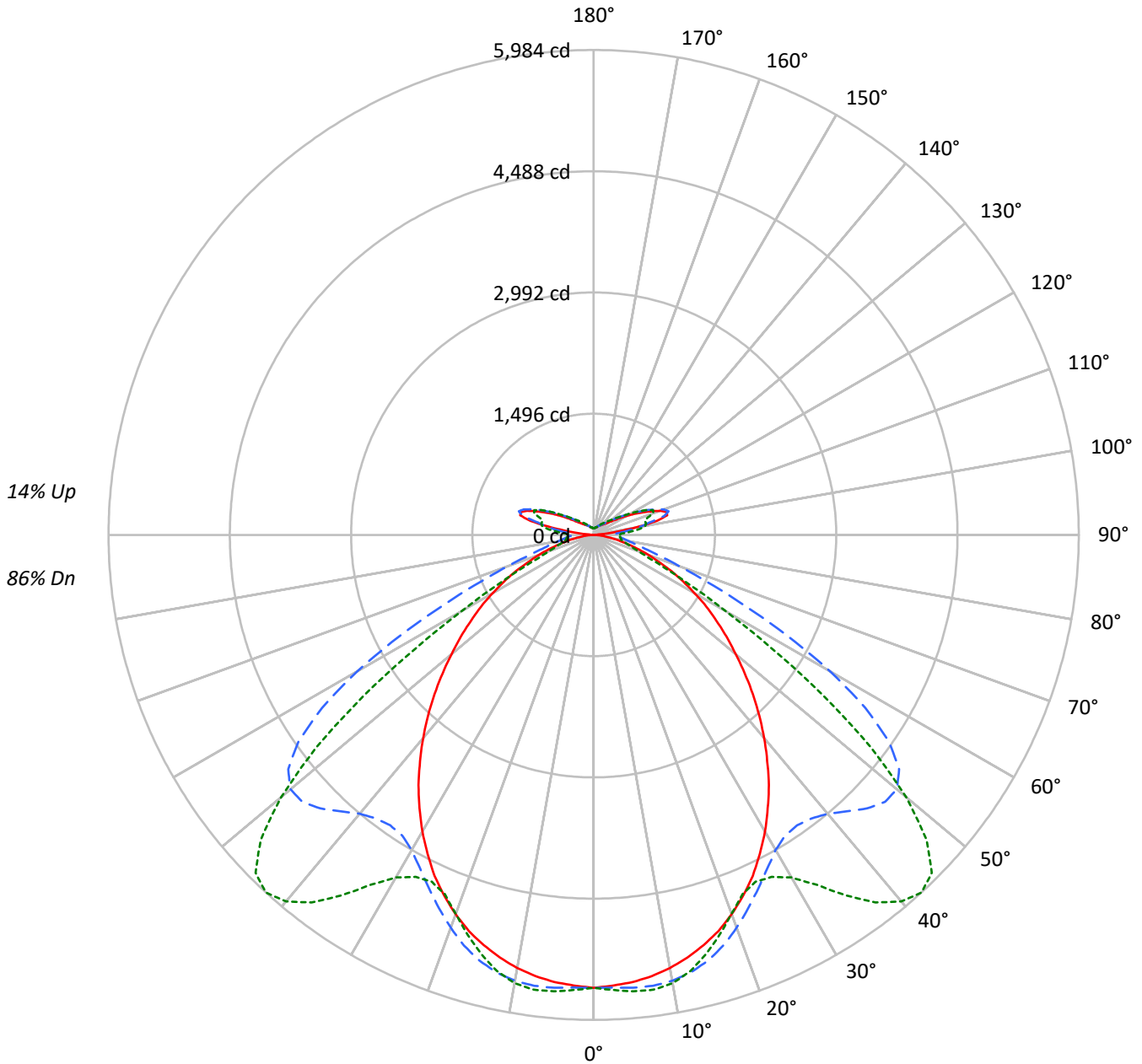
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18987.3 lumens
Efficiency: N/A
Efficacy: 157.7 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): 120.4
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	78	76	73																			
2	97	89	82	77	93	86	80	75	80	75	71	75	71	68	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	51	47	44																			
5	74	62	53	46	71	60	52	46	56	49	44	53	47	42	49	44	40	38																			
6	68	55	47	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	34	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°	9546	9546	9546
5°	9412	9533	9655
10°	9248	9518	9666
15°	9023	9361	9357
20°	8732	9039	8898
25°	8359	8650	8720
30°	7881	8360	9384
35°	7343	8514	10981
40°	6730	9221	12694
45°	6093	10460	13645
50°	5434	11566	12698
55°	4814	11551	9702
60°	4185	9772	5932
65°	3527	6747	3593
70°	2797	4362	2594
75°	2051	3125	2405
80°	1384	2744	2714
85°	827	3014	4290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.1	2.8
10°-20°	1512.4	8.0
20°-30°	2213.2	11.7
30°-40°	2874.3	15.1
40°-50°	3509.9	18.5
50°-60°	3091.0	16.3
60°-70°	1610.8	8.5
70°-80°	690.7	3.6
80°-90°	337.5	1.8
90°-100°	371.6	2.0
100°-110°	845.9	4.5
110°-120°	699.8	3.7
120°-130°	339.4	1.8
130°-140°	169.9	0.9
140°-150°	96.9	0.5
150°-160°	54.7	0.3
160°-170°	27.0	0.1
170°-180°	8.2	0.0
0°-30°	4259.8	22.4
0°-40°	7134.1	37.6
0°-60°	13735.0	72.3
0°-90°	16374.0	86.2
90°-120°	1917.3	10.1
90°-150°	2523.4	13.3
90°-180°	2613.0	13.8
0°-180°	18987.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5589	5589	5589	5589	5589	
5°	5537	5580	5610	5659	5653	525
15°	5240	5387	5438	5398	5354	1475
25°	4643	4891	4808	4717	4722	2131
35°	3768	4166	4375	5102	5429	2349
45°	2775	3491	4772	5777	5898	2139
55°	1847	3058	4444	3896	3463	1658
65°	1060	2119	2034	1131	973	1049
75°	427	991	654	447	424	465
85°	90	353	333	326	329	101
90°	6	160	263	308	321	10
95°	52	178	335	417	451	155
105°	938	965	899	696	652	891
115°	651	675	720	734	731	657
125°	323	343	379	390	388	302
135°	193	197	216	231	234	153
145°	145	146	150	158	161	92
155°	118	120	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°	5589.2	5589.2	5589.2	5589.2	5589.2
2.5°	5565.1	5589.2	5590.4	5624.2	5620.6
5°	5537.4	5579.6	5609.8	5659.2	5653.1
7.5°	5491.6	5557.8	5611.0	5665.2	5660.4
10°	5426.4	5516.9	5586.8	5631.4	5616.9
12.5°	5342.0	5461.4	5530.1	5539.8	5512.1
15°	5239.5	5386.6	5438.4	5397.5	5354.0
17.5°	5123.7	5296.2	5314.3	5225.1	5170.8
20°	4979.0	5175.6	5157.5	5034.5	4974.2
22.5°	4818.7	5043.0	4985.1	4856.0	4798.1
25°	4642.6	4891.0	4807.8	4717.4	4722.2
27.5°	4436.4	4718.6	4637.8	4678.8	4756.0
30°	4226.6	4537.7	4488.3	4727.0	4879.0
32.5°	3996.3	4352.0	4396.6	4868.1	5116.5
35°	3768.4	4166.3	4374.9	5102.0	5428.9
37.5°	3516.3	3978.2	4409.9	5372.2	5714.6
40°	3271.6	3794.9	4489.5	5614.5	5903.9
42.5°	3021.9	3630.8	4623.3	5758.0	5983.6
45°	2774.7	3491.0	4771.6	5777.4	5898.0
47.5°	2527.5	3372.8	4874.2	5624.2	5568.7
50°	2288.7	3267.9	4881.4	5256.4	5029.7
52.5°	2065.6	3171.4	4748.7	4670.4	4318.2
55°	1847.4	3058.1	4443.7	3896.1	3463.2
57.5°	1648.4	2901.3	3973.4	3064.1	2591.4
60°	1437.4	2689.1	3365.6	2241.7	1869.1
62.5°	1243.2	2425.0	2684.3	1560.4	1343.4
65°	1060.0	2118.7	2034.3	1131.1	973.2
67.5°	865.8	1801.6	1501.4	824.8	723.5
70°	713.9	1507.3	1117.9	641.5	582.4
72.5°	558.3	1227.6	835.6	520.9	488.4
75°	426.8	991.2	653.6	447.4	424.4
77.5°	314.7	783.8	525.8	395.5	373.8
80°	220.6	617.4	440.2	353.3	344.9
82.5°	148.3	477.6	375.0	336.4	337.6
85°	90.4	353.3	332.9	325.6	329.2
87.5°	43.5	250.8	285.8	296.7	300.3
90°	5.9	159.5	263.2	308.5	321.0
92.5°	15.8	139.6	259.9	319.2	337.3
95°	51.7	178.0	334.9	417.2	451.1
97.5°	252.7	332.3	448.1	540.8	575.1
100°	517.3	598.3	580.0	635.3	647.3
102.5°	797.4	836.1	700.5	667.5	662.5
105°	938.2	965.4	898.7	695.5	652.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	759.1	792.0	827.7	823.3	795.9
115°	651.2	674.6	720.4	734.2	731.0
117.5°	559.4	573.5	617.1	630.5	632.7
120°	464.4	484.3	527.6	537.5	533.1
122.5°	390.9	408.1	446.2	457.6	453.3
125°	323.0	343.4	378.8	389.9	388.3
127.5°	273.4	286.7	322.5	335.5	335.7
130°	239.0	246.4	277.4	290.4	293.8
132.5°	212.9	219.4	242.8	258.6	260.1
135°	193.4	197.1	215.6	230.8	233.8
137.5°	177.6	180.3	194.3	209.2	211.6
140°	163.6	167.3	176.8	190.7	192.8
142.5°	152.7	155.2	162.6	174.0	175.2
145°	144.6	145.9	149.9	158.0	161.4
147.5°	136.2	138.7	140.6	147.3	148.5
150°	129.7	131.6	132.0	135.3	138.7
152.5°	123.2	125.1	125.4	126.4	128.8
155°	117.6	119.5	118.9	119.9	119.9
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°	943.1	978.2	969.5	800.2	689.1
110°	870.5	905.4	920.2	867.8	779.1



(END OF REPORT)