

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: P826497

Luminaire Tested: **OHBL-18HE-MFL-UNV-L830-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826497
REPORT IS A COMBINATION OF REPORTS P826061 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-18HE-MFL-UNV-L830-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

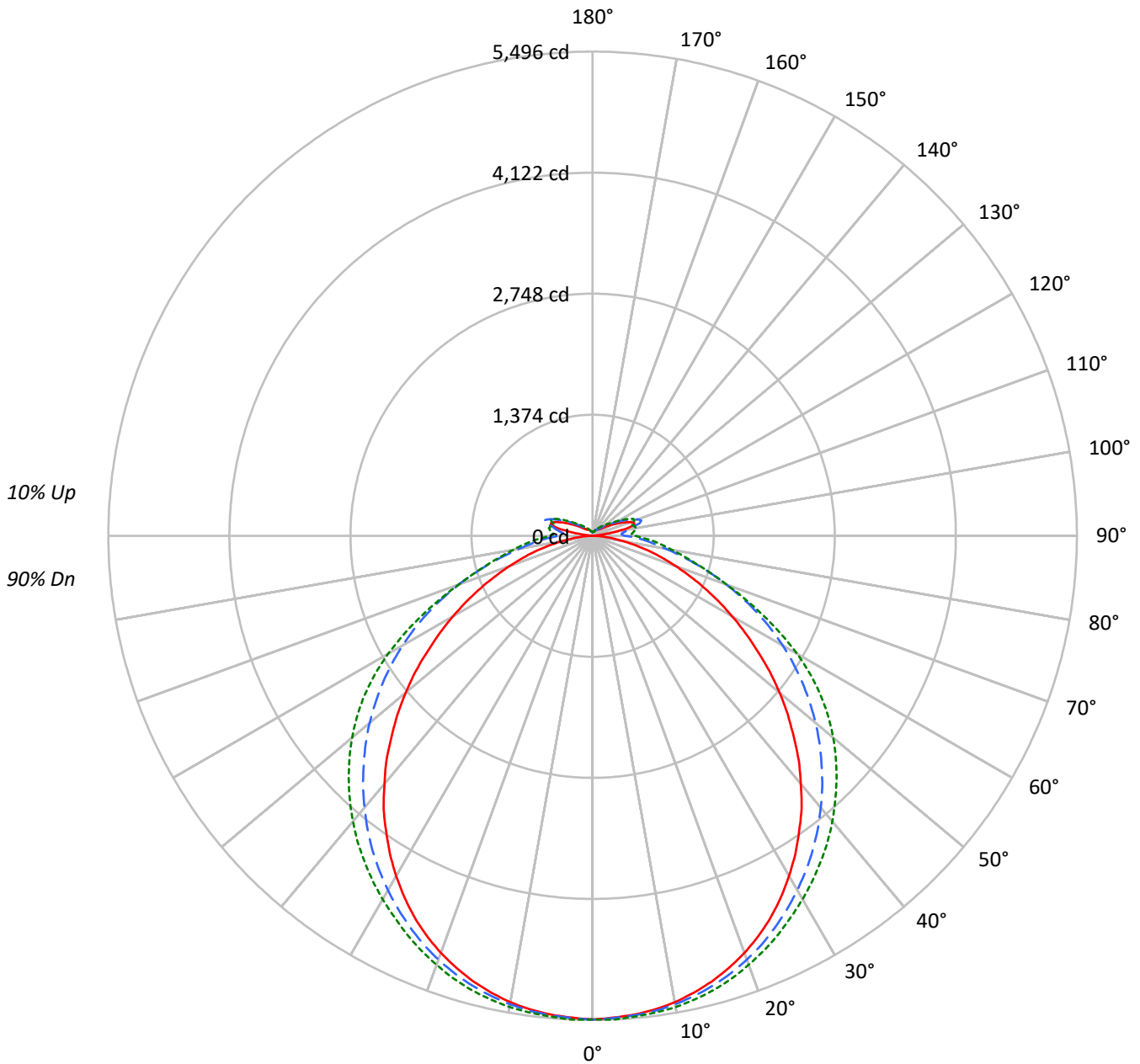
Lumens per Lamp: N/A
Luminaire Lumens: 17592.4 lumens
Efficiency: N/A
Efficacy: 157.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 111.4
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90																			
1	106	101	97	93	102	98	94	90	92	89	86	86	84	81	81	79	77	74																			
2	96	88	81	75	93	85	79	73	80	75	70	75	71	67	71	68	64	62																			
3	88	77	69	62	84	75	67	61	70	64	59	66	61	57	63	58	54	52																			
4	80	68	59	53	77	66	58	52	63	56	50	59	53	48	56	51	47	44																			
5	74	61	52	45	71	59	51	45	56	49	43	53	47	42	50	45	41	38																			
6	68	55	46	39	66	53	45	39	51	43	38	48	42	37	46	40	36	33																			
7	63	50	41	35	61	48	40	34	46	39	33	44	37	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	38	33	28	26																			
9	55	41	33	28	53	40	33	27	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9379	9379	9379
5°	9273	9285	9358
10°	9164	9199	9348
15°	9016	9097	9324
20°	8836	8974	9270
25°	8609	8820	9216
30°	8314	8653	9165
35°	7966	8477	9130
40°	7558	8272	9102
45°	7085	8051	9057
50°	6572	7827	8997
55°	5956	7553	8858
60°	5325	7230	8509
65°	4642	6819	7880
70°	3906	6297	7207
75°	3158	5692	6853
80°	2252	5244	7180
85°	1254	5402	9002



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.3	3.0
10°-20°	1492.7	8.5
20°-30°	2257.4	12.8
30°-40°	2710.0	15.4
40°-50°	2799.0	15.9
50°-60°	2518.2	14.3
60°-70°	1897.0	10.8
70°-80°	1145.4	6.5
80°-90°	563.1	3.2
90°-100°	346.5	2.0
100°-110°	519.8	3.0
110°-120°	409.9	2.3
120°-130°	203.2	1.2
130°-140°	102.9	0.6
140°-150°	57.6	0.3
150°-160°	31.2	0.2
160°-170°	14.0	0.1
170°-180°	4.2	0.0
0°-30°	4270.4	24.3
0°-40°	6980.4	39.7
0°-60°	12297.7	69.9
0°-90°	15903.2	90.4
90°-120°	1276.2	7.3
90°-150°	1639.8	9.3
90°-180°	1689.0	9.6
0°-180°	17592.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5491	5491	5491	5491	5491	
5°	5456	5471	5464	5486	5479	518
15°	5236	5261	5285	5330	5335	1476
25°	4782	4834	4902	4979	4991	2199
35°	4088	4183	4356	4487	4514	2556
45°	3227	3389	3673	3873	3915	2491
55°	2286	2522	2905	3124	3162	2050
65°	1395	1680	2056	2158	2134	1386
75°	657	943	1191	1222	1209	701
85°	137	362	597	679	691	158
90°	3	158	364	459	480	11
95°	30	149	335	433	462	82
105°	490	531	554	481	466	465
115°	346	366	427	455	455	346
125°	175	185	229	251	256	162
135°	104	110	130	151	156	83
145°	83	84	86	98	103	52
155°	69	72	71	71	72	30
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°	5491.0	5491.0	5491.0	5491.0	5491.0
2.5°	5474.8	5488.3	5480.2	5497.7	5496.3
5°	5456.0	5470.8	5464.1	5485.6	5478.9
7.5°	5423.8	5439.9	5438.5	5462.7	5460.1
10°	5376.8	5394.2	5399.6	5431.8	5431.8
12.5°	5312.3	5335.1	5348.6	5387.5	5388.8
15°	5235.7	5261.2	5285.4	5329.8	5335.1
17.5°	5142.9	5175.2	5208.8	5259.9	5266.6
20°	5038.1	5074.4	5120.1	5173.9	5181.9
22.5°	4917.1	4960.1	5019.3	5082.4	5091.9
25°	4781.5	4833.9	4902.4	4978.9	4991.0
27.5°	4626.9	4687.4	4780.1	4866.1	4876.9
30°	4458.9	4530.1	4645.7	4747.9	4765.3
32.5°	4281.5	4363.5	4505.9	4620.2	4644.4
35°	4088.0	4183.4	4355.5	4487.1	4514.0
37.5°	3897.2	4002.0	4196.9	4347.4	4379.7
40°	3674.1	3804.5	4027.5	4194.2	4233.2
42.5°	3464.5	3605.5	3858.2	4039.6	4077.2
45°	3226.6	3389.2	3672.7	3873.0	3914.7
47.5°	3003.6	3179.5	3494.0	3701.0	3744.0
50°	2768.3	2961.9	3303.2	3519.5	3563.9
52.5°	2533.2	2741.5	3105.6	3330.1	3371.8
55°	2285.9	2522.5	2905.4	3124.4	3162.1
57.5°	2056.1	2306.0	2699.8	2908.1	2931.0
60°	1829.0	2088.4	2490.2	2672.9	2681.0
62.5°	1607.3	1880.1	2275.1	2420.3	2409.5
65°	1394.9	1679.8	2056.1	2158.2	2134.0
67.5°	1190.6	1485.0	1831.7	1897.5	1865.3
70°	997.2	1295.5	1614.0	1647.5	1618.0
72.5°	826.4	1115.4	1393.6	1421.8	1400.3
75°	657.2	943.4	1190.6	1221.5	1209.4
77.5°	498.6	776.7	1003.9	1044.2	1046.9
80°	358.8	624.9	841.2	904.4	912.5
82.5°	236.5	485.1	705.5	786.1	798.2
85°	137.1	361.5	596.7	678.7	690.8
87.5°	59.1	260.7	479.8	553.7	568.5
90°	2.8	157.8	363.7	458.9	480.1
92.5°	12.4	138.3	328.3	423.9	443.3
95°	30.0	149.4	335.4	433.2	462.0
97.5°	133.7	217.4	376.2	465.9	487.3
100°	264.9	346.3	422.0	488.7	504.1
102.5°	416.6	464.7	462.0	483.9	488.6
105°	490.5	530.6	553.6	481.1	465.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	399.8	428.1	491.1	511.2	500.7
115°	345.8	365.9	427.3	455.4	455.2
117.5°	293.1	311.6	368.1	394.9	397.2
120°	247.5	263.9	314.1	337.2	342.6
122.5°	210.3	221.7	268.8	291.5	296.5
125°	174.6	185.1	229.1	251.4	256.4
127.5°	146.2	154.5	195.9	219.1	223.2
130°	128.5	133.6	167.8	191.6	195.6
132.5°	115.5	121.0	146.2	168.6	174.9
135°	104.3	109.8	129.6	150.8	156.1
137.5°	96.9	101.4	115.0	134.7	141.0
140°	90.8	94.9	103.5	120.5	125.9
142.5°	86.5	88.4	93.0	108.7	113.6
145°	83.2	83.8	86.0	97.7	102.6
147.5°	78.5	80.4	82.3	87.7	92.7
150°	75.7	78.1	77.6	79.9	83.9
152.5°	72.0	74.4	73.9	73.5	76.2
155°	69.2	71.6	71.1	70.7	72.0
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°	493.3	534.1	578.0	519.2	466.3
110°	452.3	492.4	544.6	544.0	503.3



(END OF REPORT)