

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: P827994

Luminaire Tested: **OHBL-18HE-MCL-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827994
REPORT IS A COMBINATION OF REPORTS P826060 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-MCL-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

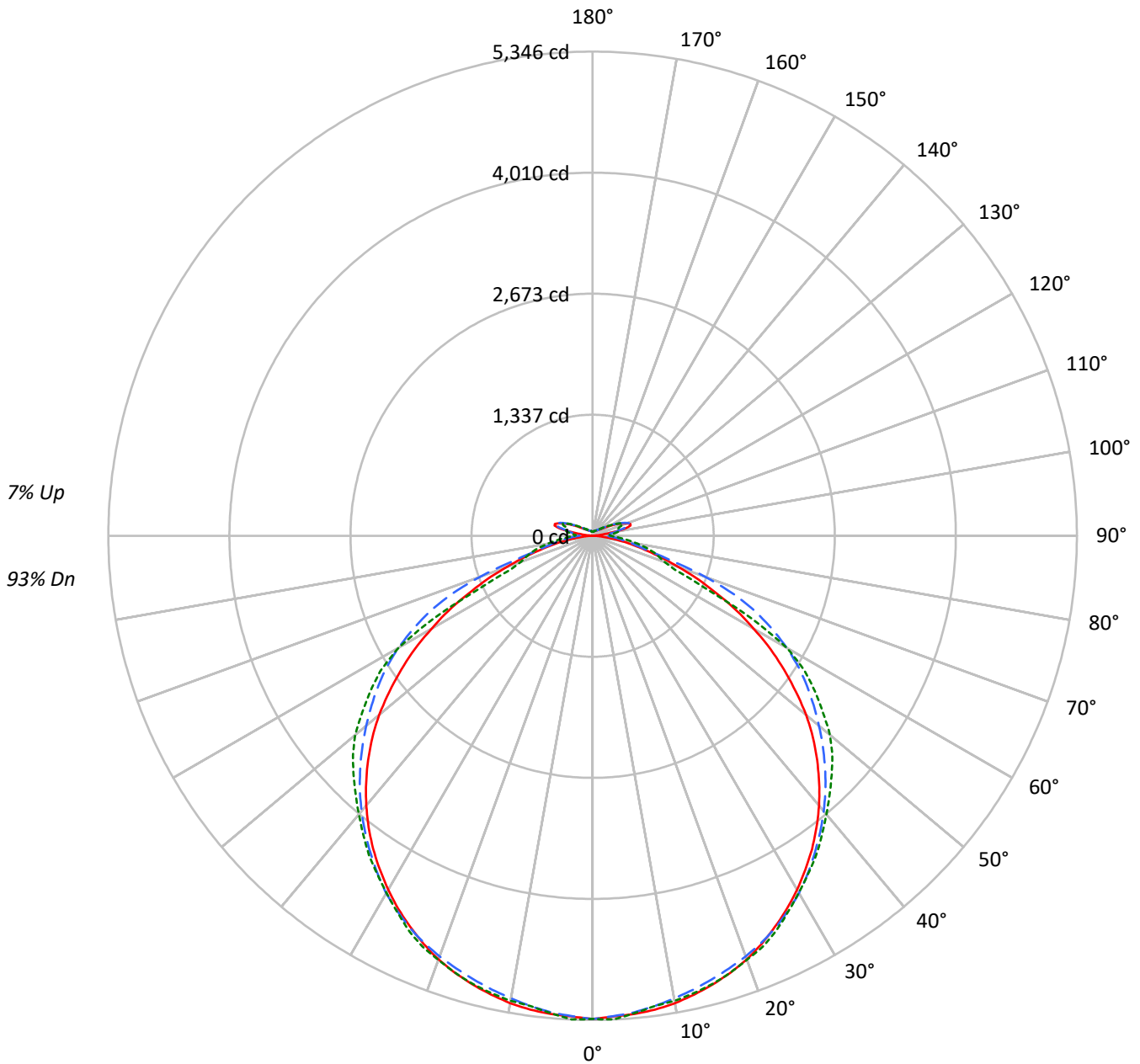
Lumens per Lamp: N/A
Luminaire Lumens: 16117.0 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

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	114	114	114	114	107	107	107	101	101	101	95	95	95	93																			
1	107	103	99	95	104	100	96	93	94	91	88	89	87	84	84	82	81	78																			
2	98	90	83	78	95	87	81	76	83	78	73	78	74	71	74	71	68	65																			
3	89	79	71	65	86	77	70	64	73	67	62	69	64	60	66	61	58	55																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	47																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	47	43	41																			
6	69	56	48	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	42	36	48	40	35	46	39	34	44	38	34	32																			
8	60	46	38	32	58	45	37	32	43	36	31	42	35	31	40	34	30	28																			
9	56	43	34	29	54	42	34	29	40	33	28	38	32	28	37	31	27	25																			
10	52	39	31	26	51	38	31	26	37	30	26	36	29	25	34	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9112	9112	9112
5°	9009	8976	9037
10°	8932	8836	8974
15°	8831	8730	8953
20°	8730	8662	8913
25°	8578	8593	8876
30°	8416	8487	8752
35°	8228	8322	8706
40°	7997	8150	8631
45°	7695	7953	8634
50°	7304	7728	8635
55°	6719	7506	8394
60°	5977	7183	7854
65°	5036	6591	5056
70°	3958	5134	3745
75°	2862	3039	3926
80°	1873	2515	3957
85°	938	2283	4161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.0	3.1
10°-20°	1442.5	9.0
20°-30°	2203.1	13.7
30°-40°	2673.2	16.6
40°-50°	2801.7	17.4
50°-60°	2538.8	15.8
60°-70°	1702.1	10.6
70°-80°	764.4	4.7
80°-90°	280.0	1.7
90°-100°	182.6	1.1
100°-110°	384.3	2.4
110°-120°	316.0	2.0
120°-130°	152.9	0.9
130°-140°	78.5	0.5
140°-150°	46.4	0.3
150°-160°	27.9	0.2
160°-170°	14.9	0.1
170°-180°	4.6	0.0
0°-30°	4148.7	25.7
0°-40°	6821.8	42.3
0°-60°	12162.3	75.5
0°-90°	14908.8	92.5
90°-120°	883.0	5.5
90°-150°	1160.8	7.2
90°-180°	1208.0	7.5
0°-180°	16117.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5335	5335	5335	5335	5335	
5°	5300	5319	5282	5298	5291	504
15°	5128	5108	5072	5117	5123	1448
25°	4764	4743	4776	4820	4807	2196
35°	4223	4233	4276	4321	4304	2639
45°	3504	3562	3628	3720	3732	2700
55°	2579	2703	2887	3003	2996	2302
65°	1514	1750	1987	1677	1369	1508
75°	596	864	636	650	693	651
85°	103	197	252	305	319	125
90°	3	81	150	189	200	8
95°	22	89	161	205	224	69
105°	434	444	407	311	292	411
115°	306	309	323	327	323	306
125°	152	159	170	170	172	142
135°	92	95	99	104	105	73
145°	69	72	73	74	76	44
155°	58	59	60	61	60	27
165°	52	52	53	53	53	15
175°	48	48	47	46	46	5
180°	46	46	46	46	46	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5335.0	5335.0	5335.0	5335.0	5335.0
2.5°	5313.4	5335.8	5308.0	5338.1	5345.8
5°	5300.3	5318.8	5281.8	5298.0	5291.1
7.5°	5276.4	5282.6	5238.6	5251.8	5237.8
10°	5240.9	5237.8	5186.2	5211.6	5214.7
12.5°	5188.4	5179.2	5132.9	5171.5	5172.2
15°	5128.2	5108.2	5072.0	5116.8	5122.9
17.5°	5058.8	5032.7	5008.8	5066.6	5057.3
20°	4977.8	4947.0	4942.4	5005.7	4982.5
22.5°	4877.6	4853.7	4864.5	4924.7	4910.0
25°	4764.2	4743.3	4776.5	4820.5	4806.6
27.5°	4644.6	4632.2	4670.1	4704.0	4677.0
30°	4513.5	4506.5	4556.7	4584.4	4550.5
32.5°	4370.8	4373.1	4420.9	4458.7	4427.1
35°	4222.7	4232.7	4275.9	4321.4	4304.4
37.5°	4059.9	4082.2	4125.5	4177.2	4159.4
40°	3887.8	3920.3	3968.1	4030.6	4014.4
42.5°	3702.0	3742.8	3804.6	3874.0	3872.4
45°	3504.5	3561.6	3627.9	3720.5	3732.1
47.5°	3299.2	3363.3	3447.4	3570.8	3588.6
50°	3076.3	3156.6	3261.5	3409.6	3420.4
52.5°	2828.0	2937.5	3076.3	3218.3	3205.2
55°	2578.8	2703.0	2887.3	3003.1	2996.2
57.5°	2330.4	2470.0	2693.8	2776.2	2775.5
60°	2052.7	2229.3	2473.9	2536.3	2474.7
62.5°	1795.8	1985.6	2239.4	2193.8	1982.5
65°	1513.5	1750.3	1987.2	1677.0	1369.2
67.5°	1262.8	1509.7	1687.8	1148.6	983.5
70°	1010.5	1282.8	1316.0	852.4	840.8
72.5°	786.8	1076.9	907.9	729.8	766.8
75°	595.5	864.0	635.7	650.3	692.8
77.5°	434.3	663.4	494.5	570.1	604.8
80°	298.5	469.8	403.4	479.0	502.9
82.5°	187.4	310.1	323.2	385.7	410.4
85°	102.6	196.7	252.2	304.7	319.3
87.5°	42.4	118.8	192.8	235.3	247.6
90°	3.2	80.6	150.3	189.3	200.4
92.5°	8.2	69.3	138.1	176.9	186.5
95°	21.6	89.2	161.2	205.4	223.5
97.5°	114.1	154.9	213.2	253.6	265.0
100°	232.3	274.5	268.3	290.6	297.1
102.5°	368.9	382.4	315.8	301.6	299.8
105°	433.9	443.6	407.3	310.8	292.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	353.8	361.7	374.6	368.2	355.6
115°	306.2	309.3	323.2	326.9	323.4
117.5°	257.8	262.8	276.8	278.9	278.8
120°	217.0	222.8	234.5	235.0	235.8
122.5°	183.7	187.8	198.8	200.2	201.8
125°	152.1	158.7	169.8	170.3	172.0
127.5°	128.7	133.7	145.7	147.2	147.9
130°	112.8	116.9	125.0	128.9	128.9
132.5°	101.9	105.2	110.8	114.8	115.6
135°	91.9	95.2	99.3	104.0	104.8
137.5°	86.1	87.8	90.2	94.9	96.5
140°	79.4	81.9	82.8	86.7	87.5
142.5°	73.6	76.1	76.9	80.1	81.7
145°	69.4	71.9	72.8	74.3	75.9
147.5°	66.1	67.8	69.4	69.4	71.0
150°	63.6	64.4	65.2	66.1	66.1
152.5°	60.2	61.1	61.9	62.8	62.8
155°	57.8	59.3	60.2	61.0	60.2
157.5°	55.2	57.7	57.7	58.5	58.5
160°	53.6	55.2	56.0	56.0	56.0
162.5°	52.7	53.5	53.5	54.3	54.3
165°	51.8	51.8	52.7	52.7	52.7
167.5°	50.2	50.9	51.0	51.0	51.0
170°	49.3	49.3	49.3	49.4	49.4
172.5°	48.5	48.5	48.5	47.8	47.8
175°	47.7	47.7	46.9	46.1	46.1
177.5°	47.6	47.7	46.9	46.1	45.3
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	437.2	449.7	438.7	356.3	304.6
110°	401.3	414.8	415.8	388.6	347.6



(END OF REPORT)