

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: P828154

Luminaire Tested: **OHB-18HE-MFL-UNV-L940-CD-UPL18**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828154
REPORT IS A COMBINATION OF REPORTS P826133 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-18HE-MFL-UNV-L940-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

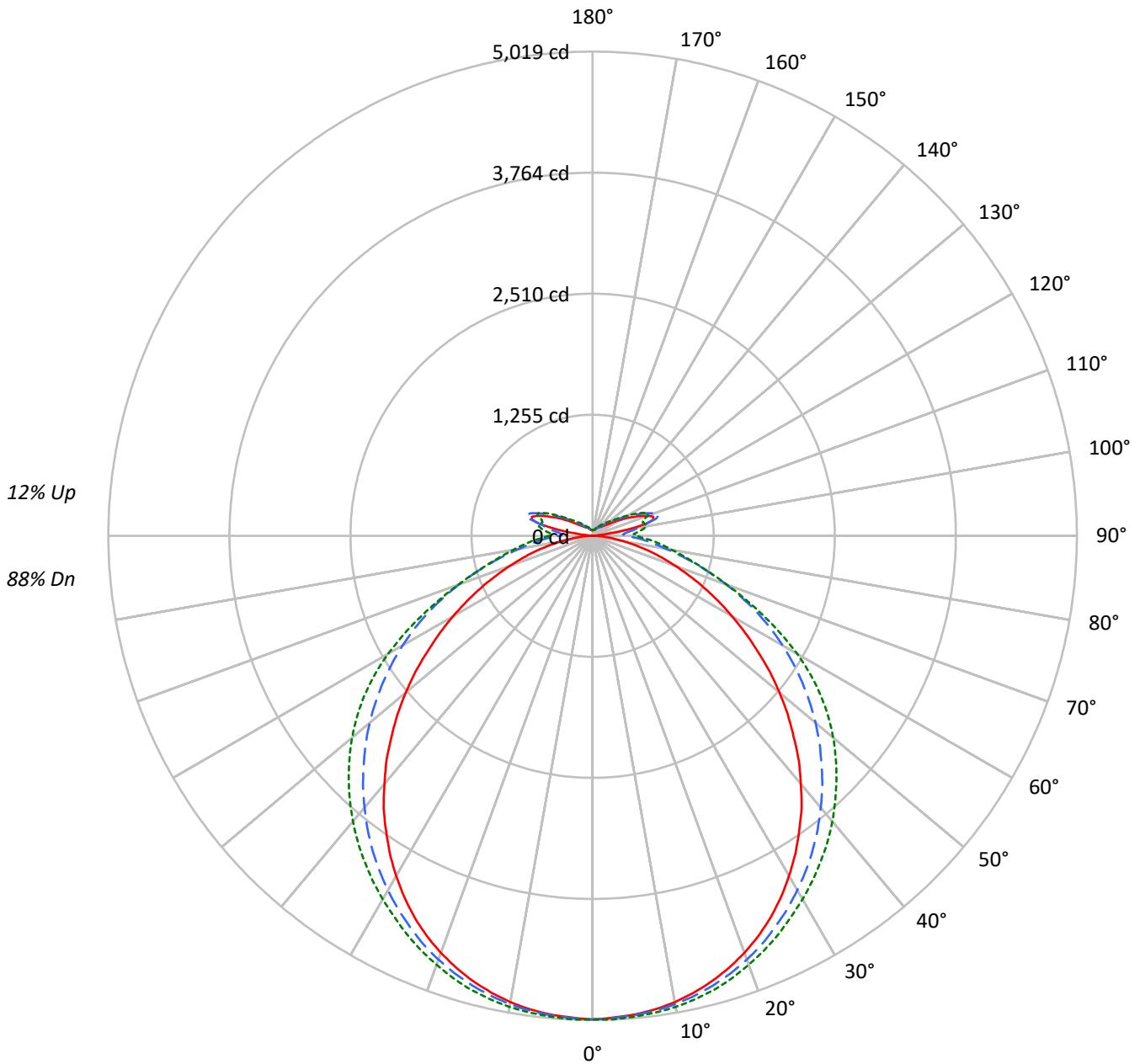
Lumens per Lamp: N/A
Luminaire Lumens: 16561.9 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 117.3
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	104	104	104	97	97	97	91	91	91	88																			
1	105	100	96	92	101	97	93	89	90	87	84	85	82	80	79	77	75	72																			
2	96	87	81	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60																			
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50																			
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	50	45	43																			
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	40	37																			
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32																			
7	63	49	41	35	60	48	40	34	45	38	33	43	37	32	40	35	31	29																			
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	26																			
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	32	26	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16749	16749	16749
5°	16561	16540	16651
10°	16365	16345	16572
15°	16102	16122	16467
20°	15780	15860	16309
25°	15375	15545	16149
30°	14848	15206	15988
35°	14226	14849	15852
40°	13497	14441	15719
45°	12653	13999	15546
50°	11738	13549	15336
55°	10637	13005	14972
60°	9510	12370	14230
65°	8290	11572	12999
70°	6976	10569	11666
75°	5640	9408	10784
80°	4021	8460	10765
85°	2239	8335	12175



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.1	2.9
10°-20°	1363.0	8.2
20°-30°	2061.3	12.4
30°-40°	2474.6	14.9
40°-50°	2555.8	15.4
50°-60°	2299.4	13.9
60°-70°	1732.1	10.5
70°-80°	1045.9	6.3
80°-90°	515.5	3.1
90°-100°	364.2	2.2
100°-110°	639.9	3.9
110°-120°	516.3	3.1
120°-130°	254.1	1.5
130°-140°	128.0	0.8
140°-150°	72.3	0.4
150°-160°	40.0	0.2
160°-170°	18.7	0.1
170°-180°	5.7	0.0
0°-30°	3899.3	23.5
0°-40°	6373.9	38.5
0°-60°	11229.1	67.8
0°-90°	14522.7	87.7
90°-120°	1520.4	9.2
90°-150°	1974.9	11.9
90°-180°	2039.0	12.3
0°-180°	16561.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5014	5014	5014	5014	5014	
5°	4982	4996	4989	5009	5003	473
15°	4781	4804	4826	4867	4872	1348
25°	4366	4414	4476	4546	4558	2008
35°	3733	3820	3977	4097	4122	2334
45°	2946	3095	3354	3536	3574	2275
55°	2087	2303	2653	2853	2887	1871
65°	1274	1534	1878	1971	1949	1265
75°	600	861	1087	1115	1104	640
85°	125	330	545	620	631	145
90°	4	151	341	432	452	10
95°	39	158	345	442	474	109
105°	653	688	679	560	538	620
115°	456	480	534	557	561	460
125°	227	241	284	305	307	213
135°	137	142	161	182	187	109
145°	106	107	110	121	125	67
155°	87	90	90	89	90	39
165°	64	65	65	66	66	18
175°	58	58	59	59	59	6
180°	58	58	58	58	58	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5013.9	5013.9	5013.9	5013.9	5013.9
2.5°	4999.1	5011.5	5004.1	5020.0	5018.8
5°	4982.0	4995.5	4989.4	5009.0	5002.9
7.5°	4952.5	4967.2	4966.0	4988.1	4985.7
10°	4909.6	4925.6	4930.4	4959.9	4959.9
12.5°	4850.7	4871.6	4883.8	4919.4	4920.6
15°	4780.7	4804.0	4826.1	4866.6	4871.6
17.5°	4696.0	4725.5	4756.2	4802.8	4809.0
20°	4600.4	4633.5	4675.2	4724.3	4731.7
22.5°	4489.9	4529.2	4583.2	4640.8	4649.4
25°	4366.0	4413.8	4476.4	4546.4	4557.5
27.5°	4224.9	4280.1	4364.8	4443.3	4453.1
30°	4071.5	4136.6	4242.0	4335.3	4351.3
32.5°	3909.5	3984.4	4114.5	4218.7	4240.8
35°	3732.8	3819.9	3977.0	4097.3	4121.8
37.5°	3558.5	3654.3	3832.2	3969.6	3999.1
40°	3354.8	3473.9	3677.6	3829.7	3865.4
42.5°	3163.5	3292.3	3523.0	3688.6	3723.0
45°	2946.3	3094.7	3353.6	3536.5	3574.5
47.5°	2742.6	2903.3	3190.4	3379.4	3418.7
50°	2527.8	2704.5	3016.2	3213.7	3254.2
52.5°	2313.1	2503.3	2835.8	3040.7	3078.8
55°	2087.3	2303.2	2652.9	2853.0	2887.3
57.5°	1877.5	2105.7	2465.2	2655.5	2676.3
60°	1670.0	1906.9	2273.8	2440.7	2448.0
62.5°	1467.6	1716.7	2077.5	2210.0	2200.2
65°	1273.7	1533.9	1877.5	1970.7	1948.6
67.5°	1087.2	1355.9	1672.6	1732.6	1703.2
70°	910.5	1182.9	1473.7	1504.4	1477.4
72.5°	754.7	1018.5	1272.5	1298.3	1278.6
75°	600.1	861.4	1087.2	1115.4	1104.4
77.5°	455.2	709.3	916.7	953.4	955.9
80°	327.6	570.6	768.2	825.8	833.2
82.5°	216.0	443.0	644.3	717.8	728.9
85°	125.2	330.1	544.8	619.7	630.7
87.5°	54.0	238.1	438.1	505.6	519.1
90°	3.5	150.6	341.3	431.8	452.1
92.5°	15.0	135.5	315.3	407.2	427.7
95°	39.2	158.4	345.3	442.1	474.0
97.5°	176.9	258.8	409.4	504.1	529.1
100°	356.9	430.7	483.2	549.6	564.6
102.5°	554.3	602.4	548.1	555.2	558.6
105°	652.9	688.5	679.2	560.1	537.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	533.2	560.0	609.7	627.7	610.9
115°	455.8	479.5	533.8	556.8	560.9
117.5°	391.0	407.1	457.9	483.2	487.8
120°	328.4	344.3	391.9	413.9	417.1
122.5°	276.2	290.2	335.0	355.7	357.7
125°	227.2	241.3	284.2	305.4	307.3
127.5°	192.9	203.2	242.9	264.1	266.0
130°	168.6	175.9	208.1	229.8	234.4
132.5°	152.1	157.1	182.0	202.5	209.1
135°	137.3	142.3	161.4	181.5	187.4
137.5°	126.0	131.0	144.3	163.3	169.0
140°	117.6	121.5	130.2	146.7	152.4
142.5°	111.0	113.6	118.7	133.0	137.6
145°	106.2	106.7	110.5	121.2	124.9
147.5°	100.1	101.8	103.6	110.2	113.9
150°	94.9	97.8	98.3	100.4	105.0
152.5°	91.4	93.5	94.0	93.6	96.1
155°	87.0	90.0	89.6	89.3	90.5
157.5°	72.2	73.0	73.9	74.8	74.8
160°	69.6	69.6	70.4	71.3	71.3
162.5°	66.9	66.9	67.8	68.7	68.7
165°	64.3	65.2	65.2	66.1	66.1
167.5°	62.6	62.6	63.5	63.5	64.3
170°	60.9	60.9	61.7	61.7	61.7
172.5°	59.1	60.0	60.0	60.0	60.0
175°	58.3	58.3	59.1	59.1	59.1
177.5°	57.4	58.3	58.3	58.3	58.3
180°	58.3	58.3	58.3	58.3	58.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	659.0	694.5	718.9	623.1	553.6
110°	604.2	641.8	682.0	664.2	610.4



(END OF REPORT)