

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: P828125

Luminaire Tested: **OHB-15HE-MCL-UNV-L940-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828125
REPORT IS A COMBINATION OF REPORTS P826084 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-15HE-MCL-UNV-L940-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

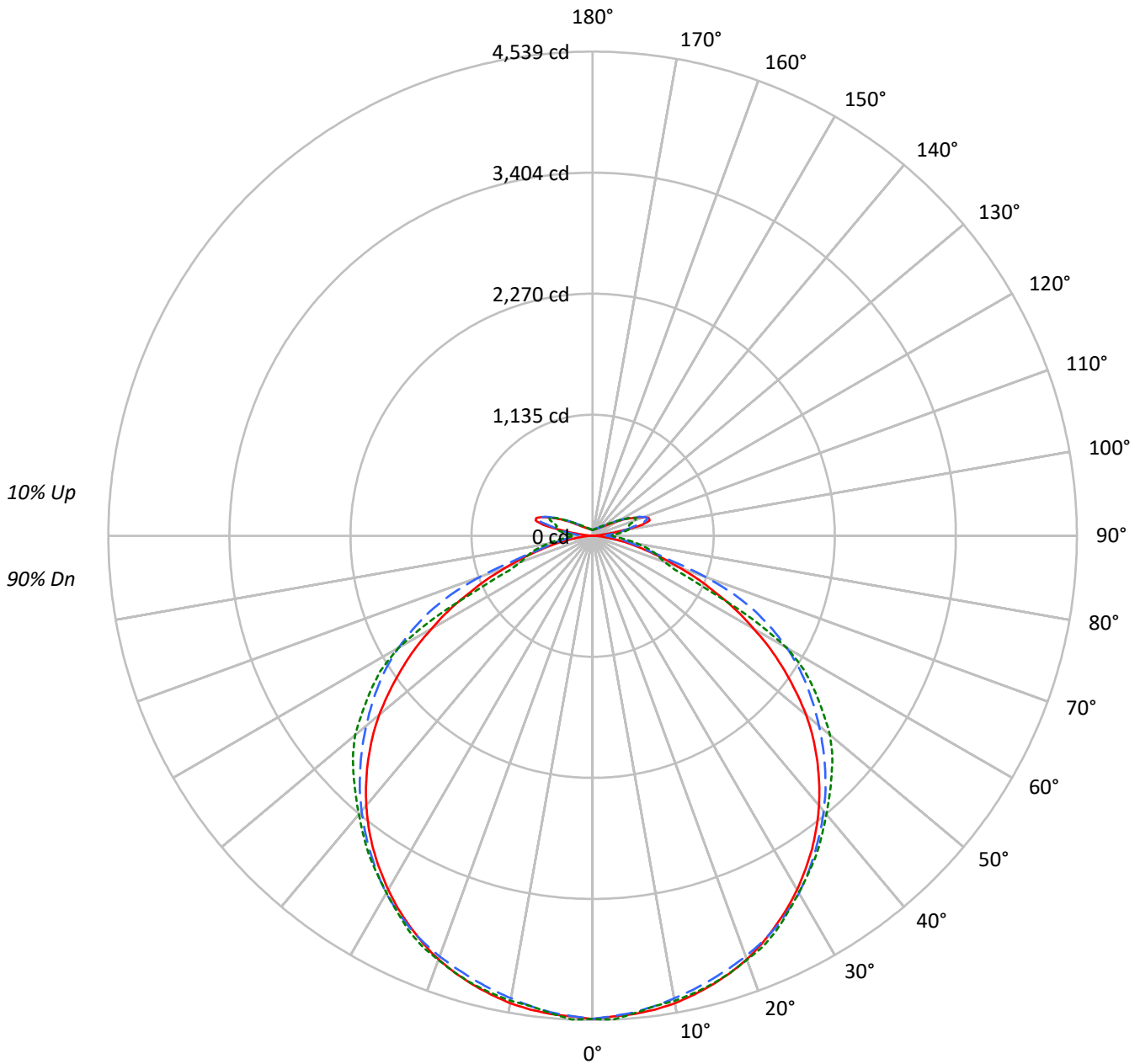
Lumens per Lamp: N/A
Luminaire Lumens: 14123.4 lumens
Efficiency: N/A
Efficacy: 156.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 90.3
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	117	117	117	117	113	113	113	113	105	105	105	99	99	99	93	93	93	90																			
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	78	76																			
2	97	89	83	77	94	87	81	76	81	76	72	77	73	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	68	63	58	64	60	56	54																			
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	46																			
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	40																			
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	46	41	37	35																			
7	64	51	42	36	61	49	41	36	47	40	35	45	38	34	42	37	33	31																			
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	27																			
9	55	42	34	29	53	41	34	28	39	32	28	38	31	27	36	30	26	24																			
10	52	39	31	26	50	38	31	26	36	30	25	35	29	25	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15131	15131	15131
5°	14959	14866	14951
10°	14832	14597	14793
15°	14665	14385	14702
20°	14496	14235	14581
25°	14245	14082	14460
30°	13975	13869	14196
35°	13664	13555	14055
40°	13280	13229	13860
45°	12778	12858	13781
50°	12128	12439	13686
55°	11157	12017	13191
60°	9924	11426	12213
65°	8363	10399	7755
70°	6574	8013	5637
75°	4752	4670	5743
80°	3110	3773	5517
85°	1558	3276	5235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.1	3.0
10°-20°	1224.7	8.7
20°-30°	1870.5	13.2
30°-40°	2269.6	16.1
40°-50°	2378.7	16.8
50°-60°	2155.5	15.3
60°-70°	1445.2	10.2
70°-80°	649.0	4.6
80°-90°	238.8	1.7
90°-100°	197.5	1.4
100°-110°	472.2	3.3
110°-120°	393.7	2.8
120°-130°	190.2	1.3
130°-140°	96.8	0.7
140°-150°	56.8	0.4
150°-160°	33.8	0.2
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	3522.3	24.9
0°-40°	5791.9	41.0
0°-60°	10326.1	73.1
0°-90°	12659.1	89.6
90°-120°	1063.4	7.5
90°-150°	1407.2	10.0
90°-180°	1464.0	10.4
0°-180°	14123.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4530	4530	4530	4530	4530	
5°	4500	4516	4484	4498	4492	428
15°	4354	4337	4306	4344	4350	1229
25°	4045	4027	4055	4093	4081	1864
35°	3585	3594	3630	3669	3654	2241
45°	2975	3024	3080	3159	3169	2292
55°	2189	2295	2451	2550	2544	1954
65°	1285	1486	1687	1424	1162	1280
75°	506	734	540	552	588	553
85°	87	167	214	259	271	106
90°	3	75	136	172	183	7
95°	25	97	169	216	238	88
105°	553	558	500	372	347	524
115°	384	387	402	405	399	388
125°	188	199	211	211	211	178
135°	115	119	122	127	128	91
145°	85	87	89	92	92	54
155°	70	72	73	73	74	33
165°	62	62	63	63	63	18
175°	57	57	56	56	56	5
180°	56	56	56	56	56	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4529.5	4529.5	4529.5	4529.5	4529.5
2.5°	4511.2	4530.2	4506.7	4532.2	4538.8
5°	4500.1	4515.8	4484.3	4498.2	4492.2
7.5°	4479.8	4485.0	4447.7	4458.9	4447.0
10°	4449.6	4447.0	4403.1	4424.8	4427.4
12.5°	4405.1	4397.3	4358.0	4390.7	4391.4
15°	4354.0	4337.0	4306.2	4344.2	4349.5
17.5°	4295.1	4272.8	4252.5	4301.7	4293.8
20°	4226.3	4200.1	4196.2	4249.9	4230.3
22.5°	4141.2	4120.9	4130.0	4181.2	4168.7
25°	4044.9	4027.2	4055.3	4092.7	4080.9
27.5°	3943.4	3932.9	3965.0	3993.8	3970.9
30°	3832.1	3826.2	3868.8	3892.3	3863.5
32.5°	3710.9	3712.9	3753.5	3785.6	3758.7
35°	3585.2	3593.7	3630.4	3669.0	3654.5
37.5°	3446.9	3466.0	3502.6	3546.5	3531.4
40°	3300.9	3328.4	3369.0	3422.0	3408.3
42.5°	3143.0	3177.7	3230.2	3289.1	3287.8
45°	2975.4	3023.8	3080.2	3158.8	3168.6
47.5°	2801.2	2855.5	2926.9	3031.8	3046.8
50°	2611.9	2680.0	2769.1	2894.8	2904.0
52.5°	2401.0	2494.0	2611.9	2732.4	2721.3
55°	2189.4	2294.9	2451.4	2549.6	2543.8
57.5°	1978.6	2097.1	2287.1	2357.2	2356.5
60°	1742.8	1892.8	2100.4	2153.4	2101.0
62.5°	1524.7	1685.9	1901.3	1862.6	1683.2
65°	1285.0	1486.1	1687.2	1423.8	1162.5
67.5°	1072.1	1281.7	1433.0	975.2	835.0
70°	858.0	1089.2	1117.3	723.7	713.9
72.5°	668.1	914.3	770.8	619.6	651.0
75°	505.6	733.6	539.7	552.1	588.1
77.5°	368.7	563.2	419.9	484.0	513.5
80°	253.4	398.9	342.6	406.7	427.0
82.5°	159.1	263.3	274.4	327.4	348.4
85°	87.1	167.0	214.1	258.7	271.2
87.5°	36.0	100.9	163.7	199.8	210.2
90°	3.3	74.8	135.9	171.9	182.8
92.5°	9.4	66.9	130.4	167.6	180.9
95°	25.0	97.3	169.0	215.8	238.4
97.5°	145.6	190.1	240.9	280.9	299.2
100°	295.0	339.4	313.0	337.2	345.3
102.5°	473.8	473.9	381.0	356.3	353.0
105°	553.0	557.6	499.8	372.1	347.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	447.2	457.8	463.1	453.3	439.0
115°	384.3	386.9	401.5	405.1	398.6
117.5°	330.4	330.0	343.3	345.5	345.1
120°	276.5	280.7	290.0	291.5	291.4
122.5°	229.5	236.5	248.1	248.7	248.5
125°	188.1	199.1	210.9	211.1	210.9
127.5°	161.7	167.8	180.1	182.0	180.9
130°	140.8	145.9	154.3	157.9	157.9
132.5°	126.8	130.9	137.2	140.7	141.5
135°	114.6	118.7	122.0	127.0	128.5
137.5°	106.5	108.2	111.7	115.9	117.5
140°	97.8	100.4	102.4	105.9	107.4
142.5°	91.1	93.5	94.6	98.2	98.9
145°	85.0	87.4	89.1	91.6	92.2
147.5°	81.3	83.0	84.8	84.8	86.3
150°	76.9	78.7	79.6	80.4	80.4
152.5°	73.5	74.3	76.1	76.1	76.9
155°	70.0	71.6	73.3	73.3	73.5
157.5°	67.4	68.9	69.8	70.7	70.7
160°	64.8	66.3	67.2	67.2	68.1
162.5°	63.7	64.6	64.6	65.5	65.5
165°	62.0	62.0	62.9	62.9	62.9
167.5°	60.3	60.9	61.1	61.1	62.0
170°	58.5	59.4	59.4	58.7	59.6
172.5°	57.6	57.6	58.5	57.8	57.8
175°	56.8	56.8	56.1	56.3	56.3
177.5°	56.5	56.8	56.1	55.5	54.8
180°	56.1	56.1	56.1	56.1	56.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	553.7	563.7	542.4	431.6	369.5
110°	511.7	522.6	516.4	477.9	425.3



(END OF REPORT)