

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: P828137

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828137
REPORT IS A COMBINATION OF REPORTS P826090 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-15SE-MCL-UNV-L940-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

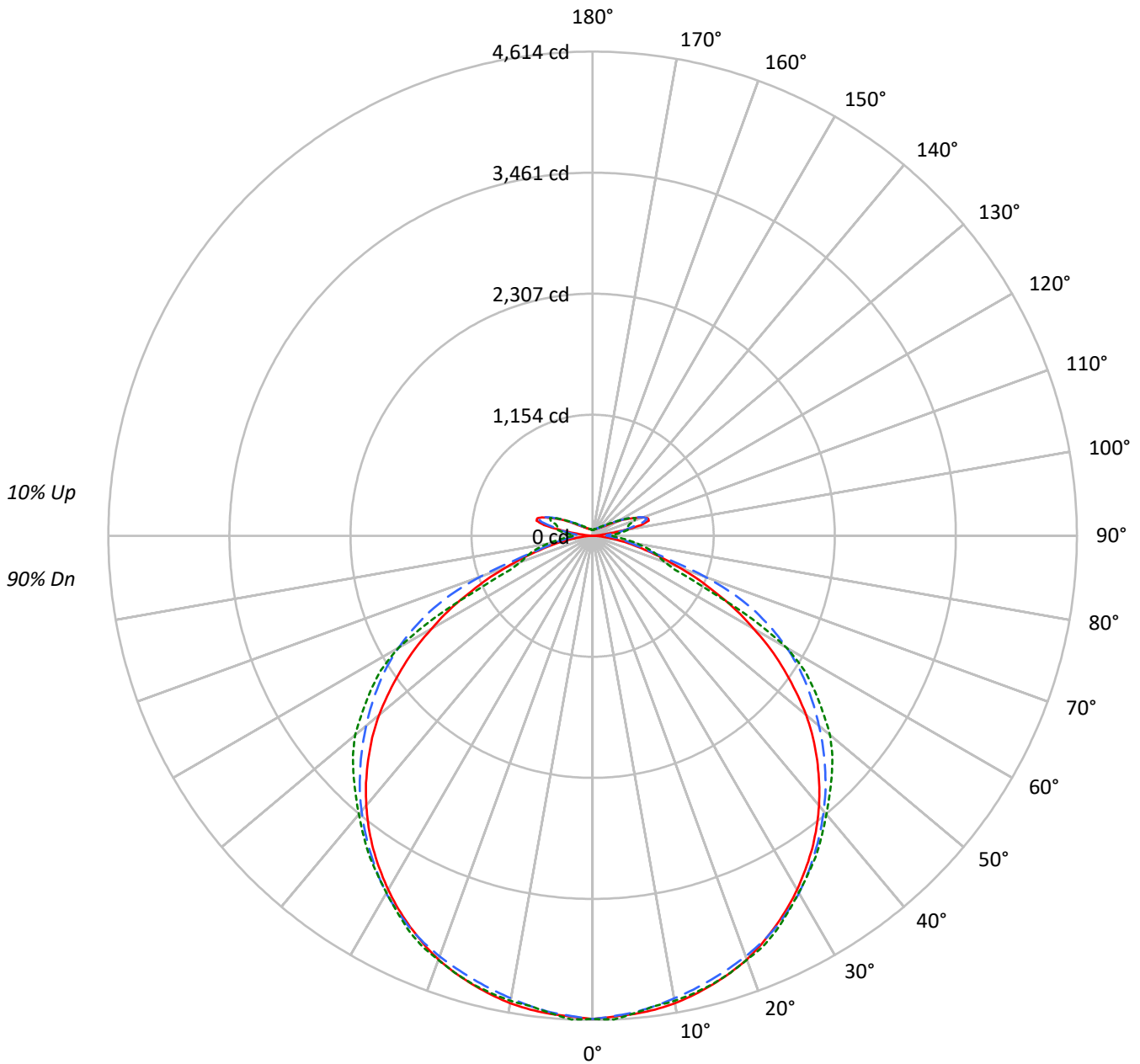
Lumens per Lamp: N/A
Luminaire Lumens: 14336.4 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 107.4
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

TEST NUMBER: P828137

CATALOG NUMBER: OHB-15SE-MCL-UNV-L940-CD-UPL15

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	93	93	93	90
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	79	79	79	79	76
2	97	89	83	77	94	87	81	76	81	77	72	77	73	69	72	69	66	66	66	66	64
3	89	79	71	64	85	76	69	63	72	66	61	68	63	58	64	60	56	56	56	56	54
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	48	48	48	46
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	42	42	42	40
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	47	41	37	37	37	37	35
7	64	51	42	36	62	49	41	36	47	40	35	45	38	34	42	37	33	33	33	33	31
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	29	29	29	27
9	55	42	34	29	53	41	34	28	39	33	28	38	31	27	36	30	26	26	26	26	25
10	52	39	31	26	50	38	31	26	36	30	25	35	29	25	33	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29301	29301	29301
5°	28742	28629	28951
10°	28278	27958	28646
15°	27743	27402	28470
20°	27207	26966	28234
25°	26515	26525	28002
30°	25787	25964	27490
35°	24979	25213	27217
40°	24032	24437	26839
45°	22864	23566	26686
50°	21422	22598	26501
55°	19411	21609	25543
60°	16953	20296	23650
65°	13963	18190	15016
70°	10651	13743	10915
75°	7385	7795	11121
80°	4539	6048	10683
85°	2036	4910	10133



TEST NUMBER: P828137

CATALOG NUMBER: OHB-15SE-MCL-UNV-L940-CD-UPL15

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.2	3.0
10°-20°	1245.1	8.7
20°-30°	1901.6	13.3
30°-40°	2307.3	16.1
40°-50°	2418.3	16.9
50°-60°	2191.4	15.3
60°-70°	1469.2	10.2
70°-80°	659.7	4.6
80°-90°	242.7	1.7
90°-100°	198.7	1.4
100°-110°	472.7	3.3
110°-120°	394.0	2.7
120°-130°	190.3	1.3
130°-140°	96.9	0.7
140°-150°	56.9	0.4
150°-160°	33.9	0.2
160°-170°	18.0	0.1
170°-180°	5.5	0.0
0°-30°	3580.9	25.0
0°-40°	5888.2	41.1
0°-60°	10497.9	73.2
0°-90°	12869.6	89.8
90°-120°	1065.4	7.4
90°-150°	1409.5	9.8
90°-180°	1467.0	10.2
0°-180°	14336.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4605	4605	4605	4605	4605	
5°	4575	4591	4559	4573	4567	435
15°	4426	4409	4378	4416	4422	1250
25°	4112	4094	4123	4161	4149	1895
35°	3645	3653	3691	3730	3715	2278
45°	3025	3074	3131	3211	3221	2330
55°	2226	2333	2492	2592	2586	1987
65°	1306	1511	1715	1448	1182	1302
75°	514	746	549	561	598	562
85°	89	170	218	263	276	108
90°	3	76	138	174	185	7
95°	25	98	170	217	240	88
105°	553	558	500	373	348	524
115°	384	387	402	405	399	388
125°	188	199	211	211	211	178
135°	115	119	122	127	129	91
145°	85	88	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	



TEST NUMBER: P828137

CATALOG NUMBER: OHB-15SE-MCL-UNV-L940-CD-UPL15

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4604.9	4604.9	4604.9	4604.9	4604.9
2.5°	4586.3	4605.6	4581.6	4607.6	4614.2
5°	4574.9	4590.9	4559.0	4572.9	4566.9
7.5°	4554.3	4559.6	4521.7	4533.0	4521.0
10°	4523.7	4521.0	4476.4	4498.4	4501.0
12.5°	4478.4	4470.4	4430.5	4463.7	4464.4
15°	4426.5	4409.1	4377.9	4416.5	4421.8
17.5°	4366.5	4343.9	4323.3	4373.2	4365.2
20°	4296.6	4270.0	4266.0	4320.6	4300.6
22.5°	4210.1	4189.4	4198.7	4250.7	4238.0
25°	4112.2	4094.2	4122.8	4160.8	4148.8
27.5°	4009.0	3998.3	4031.0	4060.3	4037.0
30°	3895.8	3889.8	3933.1	3957.1	3927.8
32.5°	3772.6	3774.6	3815.9	3848.5	3821.2
35°	3644.8	3653.4	3690.7	3730.0	3715.4
37.5°	3504.3	3523.6	3560.9	3605.5	3590.2
40°	3355.8	3383.8	3425.1	3479.0	3465.0
42.5°	3195.4	3230.6	3283.9	3343.8	3342.5
45°	3024.9	3074.2	3131.4	3211.3	3221.3
47.5°	2847.8	2903.1	2975.6	3082.2	3097.5
50°	2655.4	2724.6	2815.2	2943.0	2952.3
52.5°	2441.0	2535.5	2655.4	2777.9	2766.6
55°	2225.9	2333.1	2492.3	2592.1	2586.1
57.5°	2011.5	2132.0	2325.1	2396.4	2395.7
60°	1771.8	1924.3	2135.4	2189.3	2136.0
62.5°	1550.0	1713.8	1932.9	1893.6	1711.2
65°	1306.3	1510.7	1715.2	1447.5	1181.8
67.5°	1089.9	1303.0	1456.8	991.4	848.9
70°	872.2	1107.3	1135.9	735.7	725.7
72.5°	679.1	929.5	783.7	629.9	661.8
75°	514.0	745.7	548.6	561.3	597.9
77.5°	374.9	572.6	426.8	492.0	522.0
80°	257.7	405.5	348.2	413.5	434.1
82.5°	161.8	267.7	279.0	332.9	354.2
85°	88.6	169.8	217.7	263.0	275.6
87.5°	36.6	102.5	166.5	203.1	213.7
90°	3.3	75.7	137.7	174.2	185.2
92.5°	9.4	67.6	131.9	169.5	182.8
95°	25.0	97.9	170.2	217.4	240.0
97.5°	145.6	190.6	242.0	282.2	300.6
100°	295.0	339.8	313.9	338.3	346.3
102.5°	473.9	474.2	381.8	357.2	354.0
105°	553.1	557.8	500.5	372.8	347.9



TEST NUMBER: P828137

CATALOG NUMBER: OHB-15SE-MCL-UNV-L940-CD-UPL15

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	447.2	457.9	463.4	453.8	439.5
115°	384.4	387.1	401.9	405.4	399.0
117.5°	330.5	330.1	343.5	345.8	345.4
120°	276.6	280.7	290.2	291.9	291.6
122.5°	229.6	236.6	248.3	249.0	248.7
125°	188.1	199.2	211.1	211.4	211.1
127.5°	161.8	167.9	180.2	182.2	181.1
130°	140.9	146.0	154.5	158.1	158.1
132.5°	126.9	131.0	137.4	140.8	141.7
135°	114.7	118.9	122.1	127.2	128.7
137.5°	106.7	108.4	111.9	116.1	117.6
140°	98.0	100.6	102.5	106.1	107.6
142.5°	91.2	93.6	94.7	98.4	99.1
145°	85.1	87.6	89.3	91.6	92.3
147.5°	81.5	83.2	84.9	84.9	86.4
150°	77.1	78.9	79.7	80.6	80.6
152.5°	73.6	74.5	76.3	76.3	77.1
155°	70.2	71.6	73.4	73.4	73.6
157.5°	67.6	69.0	69.9	70.8	70.8
160°	64.9	66.4	67.3	67.3	68.2
162.5°	63.8	64.7	64.7	65.6	65.6
165°	62.1	62.1	62.9	62.9	62.9
167.5°	60.3	61.0	61.2	61.2	62.1
170°	58.6	59.5	59.5	58.9	59.7
172.5°	57.7	57.7	58.6	58.0	58.0
175°	56.9	56.9	56.3	56.4	56.4
177.5°	56.7	56.9	56.3	55.6	54.9
180°	56.3	56.3	56.3	56.3	56.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	553.7	563.9	543.0	432.3	370.1
110°	511.8	522.8	516.8	478.5	425.9



(END OF REPORT)