

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: P828286

Luminaire Tested: **OHBL-15SE-N-UNV-L940-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828286
REPORT IS A COMBINATION OF REPORTS P826224 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-N-UNV-L940-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

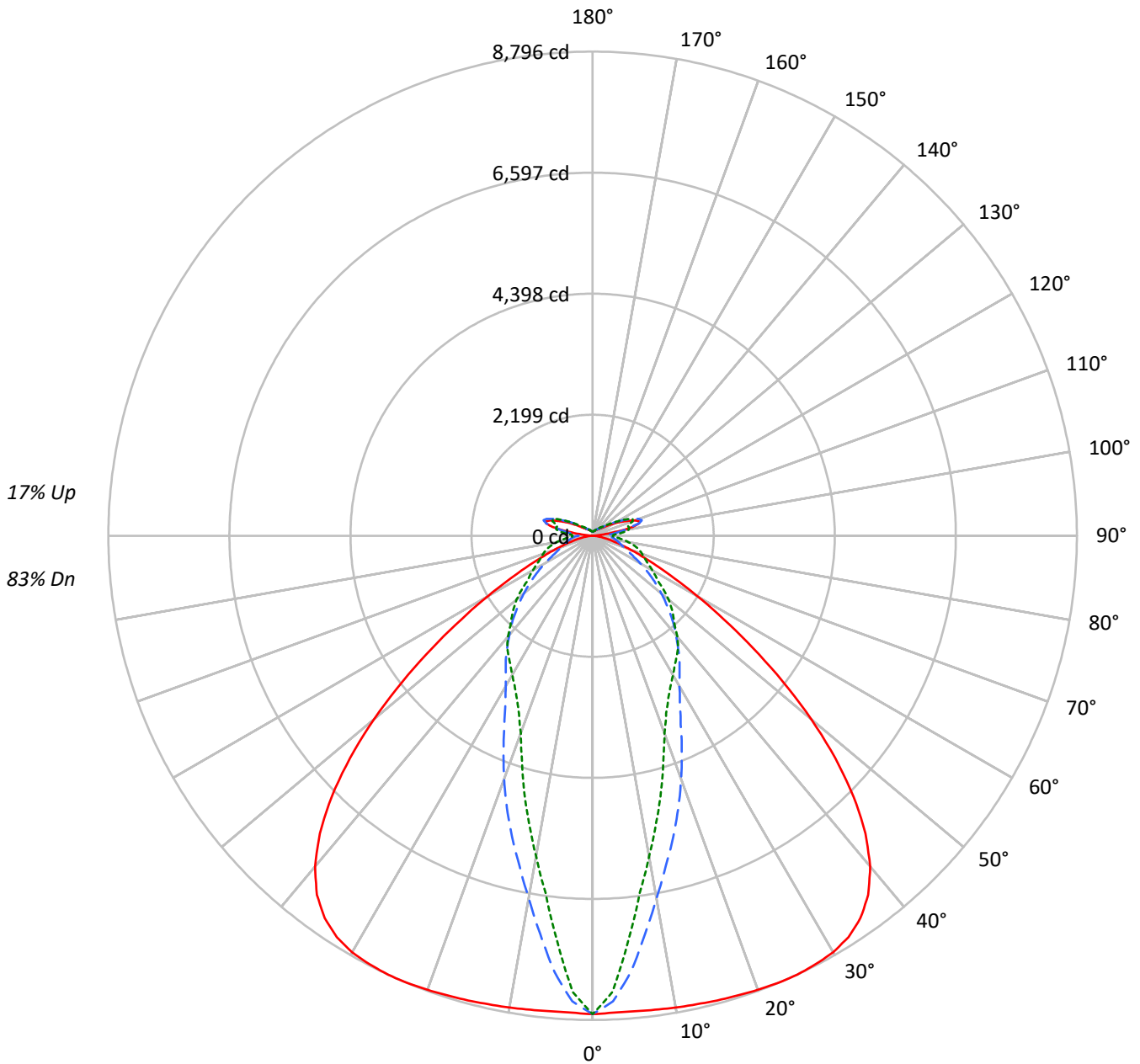
Lumens per Lamp: N/A
Luminaire Lumens: 14929.4 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 104.4
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

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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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	83																			
1	106	101	97	94	101	97	94	91	90	87	85	83	81	79	77	76	74	71																			
2	97	90	84	78	93	86	81	76	80	76	72	74	71	68	69	66	64	61																			
3	89	80	73	67	86	77	70	65	72	66	62	67	62	59	62	59	56	53																			
4	83	72	64	58	79	69	62	57	65	59	54	61	56	52	57	53	49	47																			
5	76	65	57	51	73	63	55	50	59	53	48	55	50	46	52	47	44	41																			
6	71	59	51	45	68	57	50	44	54	47	43	51	45	41	48	43	39	37																			
7	66	54	46	40	64	52	45	40	49	43	38	47	41	37	44	39	36	34																			
8	62	50	42	37	60	48	41	36	46	39	35	43	38	34	41	36	32	30																			
9	58	46	38	33	56	45	38	33	42	36	32	40	35	31	38	33	30	28																			
10	55	43	35	30	53	41	35	30	39	33	29	37	32	28	36	31	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28270	28270	28270
5°	27858	25603	24054
10°	27819	21449	19382
15°	28003	18242	15987
20°	28415	15338	12997
25°	29000	12621	11450
30°	29571	10805	10698
35°	29720	9782	10257
40°	28714	8772	9799
45°	25912	7862	9144
50°	21382	6882	8662
55°	15827	5962	7794
60°	10742	5045	7564
65°	6938	4273	7539
70°	4487	3923	8105
75°	2880	3923	8981
80°	1750	4143	9829
85°	807	4765	11723



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	731.5	4.9
10°-20°	1720.8	11.5
20°-30°	2157.0	14.4
30°-40°	2288.8	15.3
40°-50°	2069.5	13.9
50°-60°	1500.5	10.1
60°-70°	941.6	6.3
70°-80°	623.1	4.2
80°-90°	364.4	2.4
90°-100°	375.5	2.5
100°-110°	819.9	5.5
110°-120°	674.4	4.5
120°-130°	323.9	2.2
130°-140°	160.6	1.1
140°-150°	92.5	0.6
150°-160°	52.6	0.4
160°-170°	25.2	0.2
170°-180°	7.7	0.1
0°-30°	4609.3	30.9
0°-40°	6898.1	46.2
0°-60°	10468.1	70.1
0°-90°	12397.2	83.0
90°-120°	1869.8	12.5
90°-150°	2446.8	16.4
90°-180°	2532.0	17.0
0°-180°	14929.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8690	8690	8690	8690	8690	
5°	8672	8450	7954	7585	7394	829
15°	8738	7122	5657	5031	4803	2478
25°	8796	5507	3788	3362	3255	4064
35°	8481	3661	2749	2663	2662	5272
45°	6705	2319	1992	2040	2075	5108
55°	3550	1437	1300	1410	1461	3207
65°	1270	834	753	964	1072	1321
75°	392	449	505	785	832	437
85°	69	186	370	514	472	82
90°	4	107	255	356	364	8
95°	49	151	338	455	492	146
105°	879	899	871	704	667	834
115°	611	633	700	722	719	616
125°	304	323	363	374	371	284
135°	182	187	204	217	219	144
145°	136	140	145	152	152	86
155°	111	115	118	119	118	50
165°	87	88	89	89	89	25
175°	78	79	79	80	80	8
180°	78	78	78	78	78	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8689.7	8689.7	8689.7	8689.7	8689.7
2.5°	8671.6	8621.9	8467.3	8373.0	8293.5
5°	8672.4	8449.9	7953.7	7584.8	7393.8
7.5°	8684.8	8190.2	7296.2	6757.8	6547.7
10°	8703.8	7868.5	6682.6	6108.5	5912.6
12.5°	8717.8	7506.3	6142.5	5552.8	5337.7
15°	8738.5	7122.5	5657.0	5030.9	4802.6
17.5°	8757.6	6761.1	5177.3	4523.1	4269.2
20°	8776.6	6371.5	4697.6	4023.5	3814.3
22.5°	8794.8	5960.5	4229.5	3635.7	3492.6
25°	8796.4	5507.3	3787.8	3362.0	3255.2
27.5°	8775.0	5037.6	3429.8	3132.9	3066.7
30°	8737.7	4581.8	3151.8	2967.4	2920.3
32.5°	8645.1	4117.0	2936.8	2807.8	2780.5
35°	8481.3	3661.3	2749.1	2663.1	2662.2
37.5°	8223.3	3256.9	2545.6	2530.8	2549.0
40°	7842.0	2902.9	2353.0	2392.6	2392.6
42.5°	7333.4	2595.3	2178.4	2219.0	2208.2
45°	6704.8	2319.1	1992.3	2040.3	2075.0
47.5°	5976.2	2075.9	1802.1	1894.8	1942.7
50°	5183.9	1844.3	1628.5	1746.7	1801.3
52.5°	4353.6	1630.1	1458.9	1594.6	1638.4
55°	3549.7	1437.4	1300.1	1410.1	1460.6
57.5°	2821.9	1253.8	1144.6	1248.9	1353.0
60°	2195.8	1095.8	998.2	1147.1	1251.3
62.5°	1677.2	955.3	860.9	1052.0	1156.2
65°	1269.5	833.6	752.6	964.3	1071.9
67.5°	956.9	728.6	668.3	900.7	1005.7
70°	718.7	626.9	600.4	860.9	955.3
72.5°	531.0	533.4	546.7	826.2	898.1
75°	392.0	449.1	505.3	784.8	832.0
77.5°	280.4	372.2	468.1	735.2	751.8
80°	194.3	303.5	429.2	669.9	655.8
82.5°	121.5	243.2	394.5	597.9	559.1
85°	68.7	186.1	369.7	514.5	472.3
87.5°	30.6	138.9	323.3	401.1	374.6
90°	4.3	107.3	255.1	355.8	364.4
92.5°	16.4	103.6	260.2	364.9	384.5
95°	49.4	151.1	338.1	454.6	492.3
97.5°	238.1	301.0	449.2	567.7	606.4
100°	484.9	552.5	574.2	653.9	670.0
102.5°	747.5	777.0	687.0	680.9	680.7
105°	878.7	898.9	871.1	704.5	666.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	710.8	741.0	802.4	809.7	786.1
115°	610.8	633.4	700.3	721.8	719.0
117.5°	524.6	537.9	600.1	619.9	621.7
120°	435.9	455.4	512.9	525.9	520.7
122.5°	367.3	384.3	430.9	443.2	437.2
125°	303.8	322.7	362.7	374.3	370.8
127.5°	257.8	270.7	306.7	319.2	317.4
130°	225.6	234.2	262.7	275.2	276.0
132.5°	200.4	208.1	229.1	244.2	243.4
135°	182.1	187.3	204.1	217.4	219.2
137.5°	167.4	172.5	184.3	197.6	197.6
140°	154.3	159.5	168.8	180.4	181.3
142.5°	143.9	148.2	154.9	164.9	164.9
145°	136.0	140.3	144.6	152.1	152.1
147.5°	128.2	133.3	135.9	141.7	140.9
150°	122.1	126.3	128.9	132.2	132.3
152.5°	116.0	120.2	122.9	125.4	124.5
155°	110.8	115.0	117.5	119.3	117.6
157.5°	96.5	98.2	100.0	100.9	100.9
160°	93.0	93.9	95.6	96.5	96.5
162.5°	89.6	90.4	91.3	92.2	92.2
165°	86.9	87.8	88.7	88.7	88.7
167.5°	84.3	84.3	85.2	86.1	86.1
170°	81.7	82.6	82.6	83.5	83.5
172.5°	80.0	80.9	80.9	80.9	81.7
175°	78.2	79.1	79.1	80.0	80.0
177.5°	78.2	78.2	78.2	78.2	78.2
180°	78.2	78.2	78.2	78.2	78.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	882.1	912.9	936.9	796.8	696.5
110°	815.2	846.1	891.4	855.0	775.6



(END OF REPORT)