

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: P828310

Luminaire Tested: **OHBL-18SE-A-UNV-L940-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828310
REPORT IS A COMBINATION OF REPORTS P826161 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: OHBL-18SE-A-UNV-L940-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

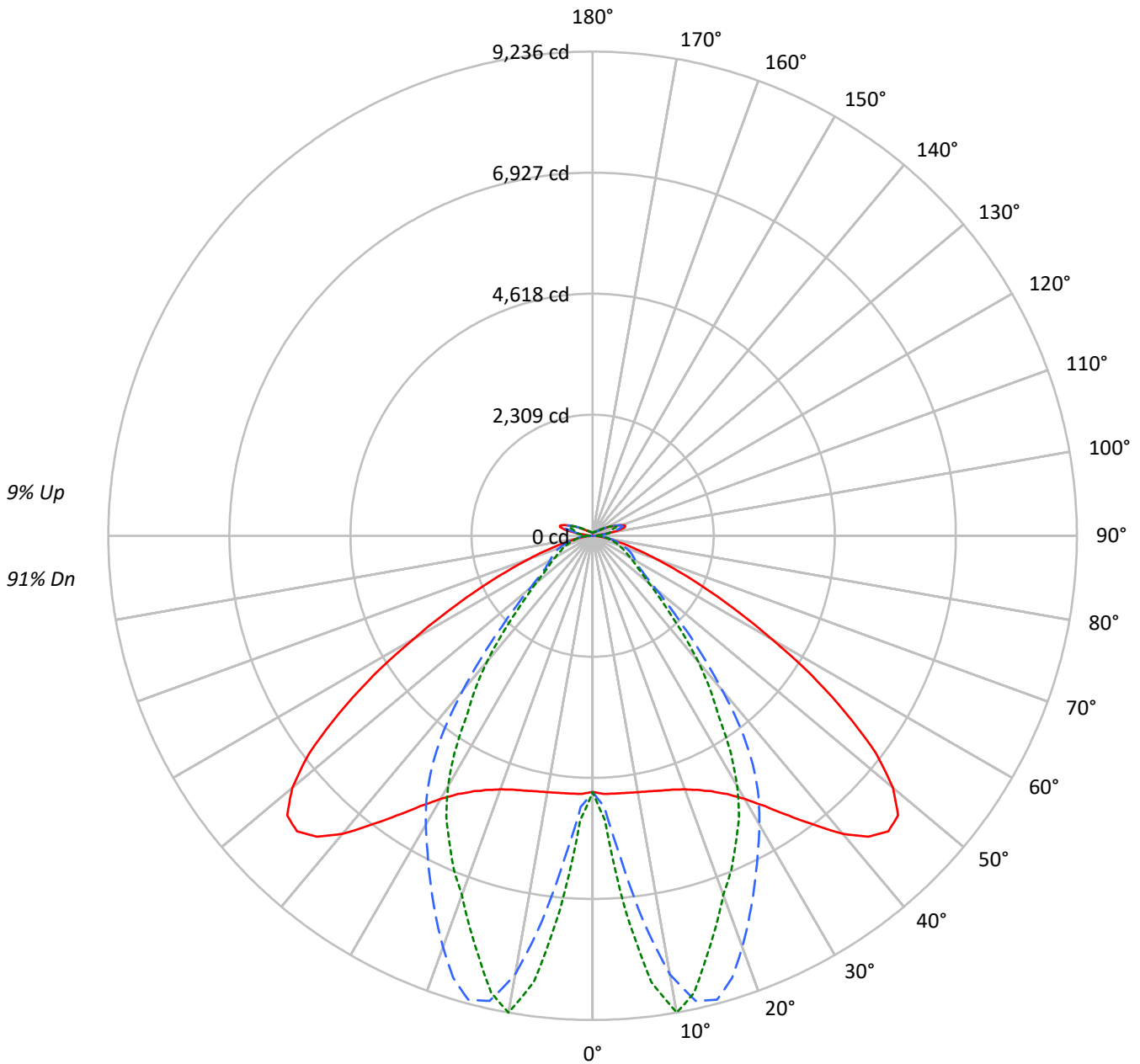
Lumens per Lamp: N/A
Luminaire Lumens: 17240.1 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 117.3
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	106	106	106	100	100	100	94	94	94	91																			
1	108	104	101	98	105	101	98	95	96	93	91	90	88	86	85	84	82	80																			
2	100	93	88	83	97	91	85	81	86	82	78	81	78	75	77	74	72	69																			
3	93	84	77	71	90	81	75	70	77	72	68	74	69	65	70	66	63	61																			
4	86	75	68	62	83	74	67	61	70	64	59	67	62	58	64	60	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	56	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	54	49	45	43																			
7	69	57	49	44	67	56	48	43	54	47	42	51	46	41	49	44	41	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	38	46	41	37	35																			
9	61	48	41	36	59	47	40	36	46	39	35	44	38	34	42	37	34	32																			
10	57	45	38	33	55	44	37	32	42	36	32	41	35	31	40	35	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8348	8348	8348
5°	8390	10499	12237
10°	8465	14475	15895
15°	8667	15769	14589
20°	9025	14631	13038
25°	9683	13158	11926
30°	10798	11848	10604
35°	12694	10370	8450
40°	15263	7897	6725
45°	17508	5380	4787
50°	17749	3691	3540
55°	15364	2904	2892
60°	11477	2718	2602
65°	7866	2726	2465
70°	5029	2630	2387
75°	3025	2434	2284
80°	1779	2139	2357
85°	857	1836	2184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	638.1	3.7
10°-20°	2252.1	13.1
20°-30°	3318.5	19.2
30°-40°	3487.3	20.2
40°-50°	2668.4	15.5
50°-60°	1611.3	9.3
60°-70°	983.3	5.7
70°-80°	536.7	3.1
80°-90°	192.3	1.1
90°-100°	148.9	0.9
100°-110°	517.0	3.0
110°-120°	444.2	2.6
120°-130°	213.3	1.2
130°-140°	106.6	0.6
140°-150°	61.9	0.4
150°-160°	36.1	0.2
160°-170°	18.7	0.1
170°-180°	5.7	0.0
0°-30°	6208.7	36.0
0°-40°	9695.9	56.2
0°-60°	13975.6	81.1
0°-90°	15687.8	91.0
90°-120°	1110.0	6.4
90°-150°	1491.8	8.7
90°-180°	1552.0	9.0
0°-180°	17240.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4888	4888	4888	4888	4888	
5°	4936	5296	6178	6899	7165	472
15°	5033	7839	9161	8549	8348	1431
25°	5378	9097	7314	6622	6458	2513
35°	6514	7285	5328	4437	4178	4133
45°	7973	4157	2454	2160	2069	6024
55°	5896	1410	1117	1036	1032	5210
65°	2364	892	822	703	668	2422
75°	629	555	509	420	403	724
85°	94	172	203	185	168	116
90°	4	22	30	39	44	8
95°	33	71	112	145	166	104
105°	644	638	544	383	354	611
115°	446	451	450	445	444	450
125°	217	228	234	233	231	204
135°	129	131	136	137	138	102
145°	94	96	98	99	99	59
155°	75	76	77	78	78	35
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°	4887.5	4887.5	4887.5	4887.5	4887.5
2.5°	4927.6	4977.8	5176.2	5381.9	5432.0
5°	4936.5	5296.2	6178.4	6898.7	7164.9
7.5°	4947.1	5812.0	7420.2	8302.1	8584.4
10°	4967.0	6464.2	8496.2	9129.3	9236.0
12.5°	4991.7	7155.3	9088.2	9065.2	8930.7
15°	5032.8	7838.7	9161.2	8548.8	8347.8
17.5°	5076.0	8416.9	8843.0	7986.6	7811.7
20°	5146.2	8846.2	8348.2	7487.0	7288.1
22.5°	5247.4	9082.2	7829.3	7035.2	6905.4
25°	5377.9	9097.4	7313.9	6621.6	6458.1
27.5°	5553.0	8886.4	6819.9	6216.5	6043.9
30°	5791.0	8482.3	6360.9	5728.0	5513.8
32.5°	6114.5	7900.7	5887.7	5138.2	4898.0
35°	6514.3	7285.4	5328.3	4437.4	4177.9
37.5°	6950.7	6602.1	4649.4	3816.8	3665.7
40°	7420.2	5898.1	3844.9	3236.0	3127.8
42.5°	7786.5	5132.8	3097.5	2689.2	2574.2
45°	7973.2	4157.2	2454.4	2159.8	2069.0
47.5°	7900.6	3227.0	1945.8	1716.1	1688.8
50°	7476.1	2382.8	1557.6	1413.6	1402.3
52.5°	6812.5	1776.0	1286.6	1197.6	1178.1
55°	5896.5	1409.6	1117.3	1035.6	1032.4
57.5°	4950.6	1197.6	1014.2	950.9	928.9
60°	3941.7	1067.9	936.0	864.6	819.9
62.5°	3089.7	977.1	878.6	781.5	739.8
65°	2363.9	892.4	822.0	703.4	667.6
67.5°	1762.2	811.7	752.9	621.2	600.3
70°	1283.9	728.9	674.0	552.4	535.9
72.5°	915.1	646.3	595.2	487.9	469.7
75°	629.4	555.0	509.1	420.0	403.1
77.5°	424.6	461.7	424.2	358.6	351.5
80°	283.5	366.1	343.1	303.9	299.5
82.5°	172.1	265.8	270.7	247.1	235.2
85°	93.7	172.1	202.8	184.8	167.6
87.5°	36.7	95.4	139.8	125.5	118.2
90°	3.5	21.7	29.6	39.1	43.5
92.5°	11.3	28.7	47.8	66.1	73.0
95°	33.0	71.3	112.2	145.2	166.1
97.5°	169.5	185.2	206.9	245.2	259.1
100°	349.5	366.9	307.8	322.6	327.8
102.5°	546.9	546.0	394.7	356.5	351.3
105°	644.3	638.2	544.3	383.4	353.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	523.4	526.9	516.4	502.5	480.8
115°	446.0	451.2	450.4	445.2	444.3
117.5°	379.9	382.6	384.3	382.6	383.4
120°	317.3	323.4	326.9	324.3	322.6
122.5°	265.2	273.0	277.4	274.7	273.0
125°	217.4	227.8	233.9	233.0	231.3
127.5°	184.3	192.1	200.0	199.1	197.4
130°	160.0	166.1	171.3	172.2	173.0
132.5°	143.5	146.1	151.3	152.2	153.9
135°	128.7	131.3	135.6	137.4	138.2
137.5°	117.4	120.0	123.5	125.2	126.1
140°	107.8	110.4	113.0	114.8	115.6
142.5°	100.0	102.6	105.2	106.1	106.9
145°	93.9	95.6	98.2	99.1	99.1
147.5°	87.8	89.6	91.3	93.0	93.0
150°	82.6	84.3	86.1	86.9	87.8
152.5°	79.1	80.0	81.7	82.6	82.6
155°	74.8	76.5	77.4	78.2	78.2
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°	650.3	650.3	599.9	466.0	390.4
110°	595.6	602.5	576.4	524.3	464.3



(END OF REPORT)