

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: P828311

Luminaire Tested: **OHBL-18SE-A-UNV-L940-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828311
REPORT IS A COMBINATION OF REPORTS P826233 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-18SE-A-UNV-L940-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

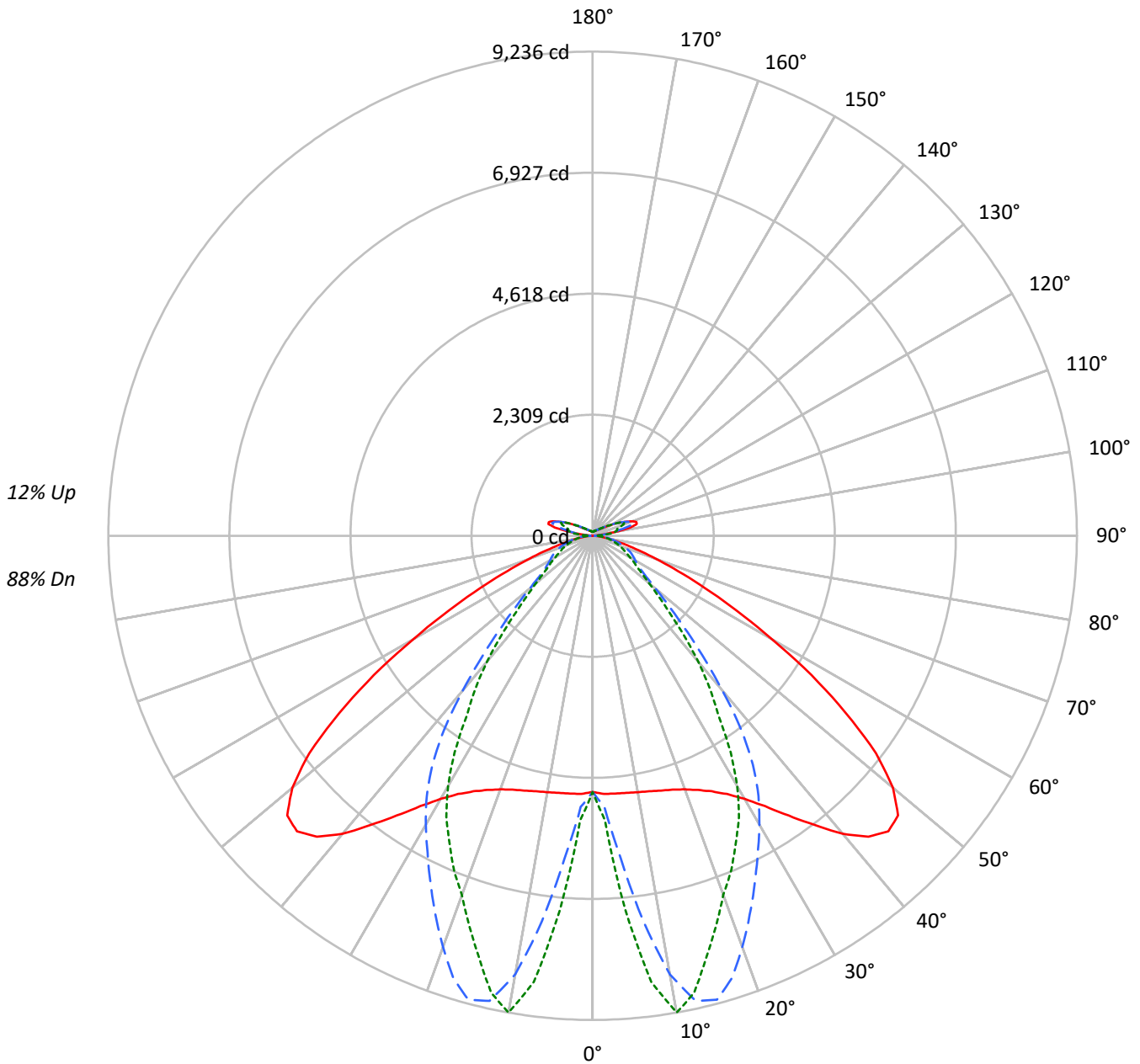
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17788.2 lumens
Efficiency: N/A
Efficacy: 145.3 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: Semi-Direct

Input Watts (W): 122.4
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	105	105	105	98	98	98	91	91	91	88																			
1	108	104	100	97	104	100	97	94	94	92	89	88	86	84	83	81	80	77																			
2	100	93	87	82	96	90	85	80	84	80	77	80	76	73	75	72	70	67																			
3	92	83	76	71	89	81	74	69	76	71	66	72	68	64	68	64	61	59																			
4	85	75	67	61	82	73	66	60	69	63	58	65	60	56	62	58	54	52																			
5	79	68	60	54	76	66	59	53	63	56	52	60	54	50	57	52	49	46																			
6	73	62	54	48	71	60	53	47	57	51	46	55	49	45	52	47	44	42																			
7	68	56	49	43	66	55	48	43	53	46	42	50	45	40	48	43	39	37																			
8	64	52	44	39	62	51	43	38	48	42	38	46	41	37	44	40	36	34																			
9	60	48	40	35	58	47	40	35	45	39	34	43	37	33	41	36	33	31																			
10	56	44	37	32	55	43	37	32	42	36	31	40	35	31	38	34	30	28																			

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	3.6
10°-20°	2252.1	12.7
20°-30°	3318.5	18.7
30°-40°	3487.3	19.6
40°-50°	2668.4	15.0
50°-60°	1611.3	9.1
60°-70°	983.3	5.5
70°-80°	536.7	3.0
80°-90°	193.7	1.1
90°-100°	201.6	1.1
100°-110°	699.8	3.9
110°-120°	600.3	3.4
120°-130°	288.0	1.6
130°-140°	144.1	0.8
140°-150°	83.5	0.5
150°-160°	48.7	0.3
160°-170°	25.2	0.1
170°-180°	7.7	0.0
0°-30°	6208.7	34.9
0°-40°	9695.9	54.5
0°-60°	13975.6	78.6
0°-90°	15689.3	88.2
90°-120°	1501.7	8.4
90°-150°	2017.3	11.3
90°-180°	2099.0	11.8
0°-180°	17788.2	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	30	41	54	60	8
95°	46	96	150	198	224	143
105°	872	862	734	522	480	827
115°	602	608	608	606	601	607
125°	294	310	316	315	312	276
135°	174	177	184	185	187	137
145°	126	130	132	133	134	80
155°	101	103	104	105	105	47
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°	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°	4.3	29.6	40.9	53.9	60.0
92.5°	14.8	39.1	62.6	88.7	100.0
95°	46.1	96.5	149.5	198.2	224.3
97.5°	233.9	253.0	272.1	329.5	358.2
100°	479.9	509.5	411.2	434.7	442.5
102.5°	741.6	737.3	537.3	481.7	474.7
105°	872.1	862.5	733.8	522.5	479.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	702.5	712.9	699.0	679.0	651.2
115°	601.7	607.7	607.7	606.0	600.8
117.5°	514.7	515.6	519.1	518.2	519.1
120°	426.0	435.6	443.4	439.1	433.9
122.5°	357.3	367.8	373.0	371.3	366.0
125°	293.9	309.5	315.6	314.7	312.1
127.5°	248.7	260.0	268.7	269.5	268.7
130°	216.5	223.4	232.1	233.0	233.9
132.5°	192.1	198.2	204.3	207.8	206.9
135°	173.9	177.4	183.5	185.2	186.9
137.5°	159.1	161.7	166.9	169.5	169.5
140°	146.1	149.5	153.9	155.6	156.5
142.5°	134.8	138.2	141.7	143.5	143.5
145°	126.1	129.5	132.2	133.0	133.9
147.5°	118.2	121.7	123.5	125.2	125.2
150°	112.2	113.9	116.5	117.4	118.2
152.5°	106.1	107.8	110.4	111.3	111.3
155°	100.9	102.6	104.3	105.2	105.2
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°	875.5	879.0	811.2	633.8	527.8
110°	807.7	815.5	776.4	709.5	624.3



(END OF REPORT)