

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: P827710

Luminaire Tested: **OHBL-18SE-A-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827710
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-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

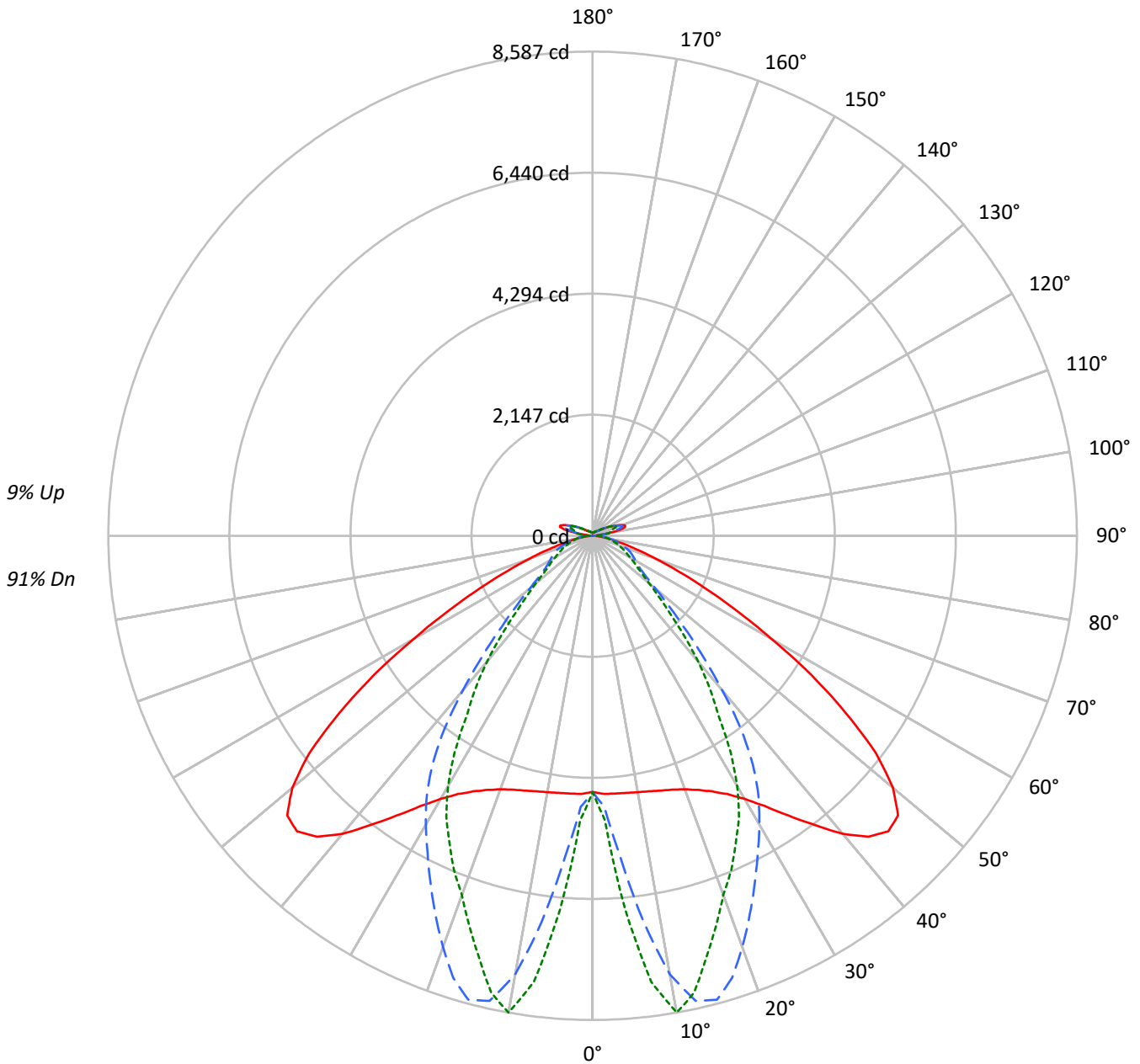
Lumens per Lamp: N/A
Luminaire Lumens: 16028.4 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 117.3
Input Voltage (V): NR
Input Current (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	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°	7761	7761	7761
5°	7801	9761	11377
10°	7870	13458	14778
15°	8058	14660	13563
20°	8391	13603	12121
25°	9003	12234	11087
30°	10039	11015	9859
35°	11802	9641	7856
40°	14190	7342	6252
45°	16277	5002	4450
50°	16502	3431	3291
55°	14284	2700	2689
60°	10670	2527	2419
65°	7314	2535	2291
70°	4676	2445	2220
75°	2812	2263	2123
80°	1654	1989	2191
85°	796	1707	2030



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.2	3.7
10°-20°	2093.8	13.1
20°-30°	3085.3	19.2
30°-40°	3242.1	20.2
40°-50°	2480.8	15.5
50°-60°	1498.0	9.3
60°-70°	914.1	5.7
70°-80°	499.0	3.1
80°-90°	178.8	1.1
90°-100°	138.4	0.9
100°-110°	480.7	3.0
110°-120°	413.0	2.6
120°-130°	198.3	1.2
130°-140°	99.1	0.6
140°-150°	57.5	0.4
150°-160°	33.6	0.2
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	5772.3	36.0
0°-40°	9014.4	56.2
0°-60°	12993.3	81.1
0°-90°	14585.2	91.0
90°-120°	1032.0	6.4
90°-150°	1386.9	8.7
90°-180°	1443.0	9.0
0°-180°	16028.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4544	4544	4544	4544	4544	
5°	4590	4924	5744	6414	6661	439
15°	4679	7288	8517	7948	7761	1330
25°	5000	8458	6800	6156	6004	2337
35°	6056	6773	4954	4126	3884	3842
45°	7413	3865	2282	2008	1924	5601
55°	5482	1311	1039	963	960	4844
65°	2198	830	764	654	621	2252
75°	585	516	473	390	375	673
85°	87	160	189	172	156	108
90°	3	20	28	36	40	7
95°	31	66	104	135	154	97
105°	599	593	506	356	329	568
115°	415	420	419	414	413	418
125°	202	212	217	217	215	190
135°	120	122	126	128	128	95
145°	87	89	91	92	92	55
155°	70	71	72	73	73	33
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4544.0	4544.0	4544.0	4544.0	4544.0
2.5°	4581.2	4628.0	4812.3	5003.7	5050.2
5°	4589.6	4924.0	5744.1	6413.8	6661.3
7.5°	4599.3	5403.5	6898.6	7718.5	7981.0
10°	4617.8	6009.9	7899.0	8487.7	8586.8
12.5°	4640.8	6652.3	8449.4	8428.0	8303.0
15°	4679.0	7287.8	8517.2	7947.9	7761.1
17.5°	4719.2	7825.3	8221.5	7425.3	7262.6
20°	4784.4	8224.4	7761.5	6960.8	6775.9
22.5°	4878.5	8443.8	7279.0	6540.7	6420.0
25°	4999.9	8458.0	6799.9	6156.2	6004.2
27.5°	5162.7	8261.8	6340.6	5779.6	5619.0
30°	5384.0	7886.1	5913.8	5325.4	5126.2
32.5°	5684.7	7345.4	5473.9	4777.0	4553.7
35°	6056.4	6773.3	4953.8	4125.5	3884.2
37.5°	6462.1	6138.1	4322.6	3548.5	3408.0
40°	6898.6	5483.6	3574.6	3008.5	2908.0
42.5°	7239.2	4772.0	2879.8	2500.2	2393.2
45°	7412.8	3865.0	2281.9	2008.0	1923.6
47.5°	7345.2	3000.2	1809.0	1595.5	1570.1
50°	6950.6	2215.3	1448.1	1314.3	1303.8
52.5°	6333.7	1651.2	1196.2	1113.4	1095.3
55°	5482.0	1310.6	1038.8	962.8	959.8
57.5°	4602.6	1113.4	942.9	884.1	863.6
60°	3664.7	992.8	870.3	803.8	762.3
62.5°	2872.6	908.4	816.8	726.6	687.8
65°	2197.8	829.7	764.2	653.9	620.6
67.5°	1638.3	754.7	699.9	577.6	558.1
70°	1193.7	677.7	626.6	513.6	498.3
72.5°	850.8	600.9	553.4	453.6	436.7
75°	585.2	516.0	473.3	390.5	374.7
77.5°	394.8	429.2	394.4	333.4	326.8
80°	263.6	340.4	319.0	282.5	278.5
82.5°	160.0	247.1	251.7	229.7	218.7
85°	87.1	160.0	188.6	171.9	155.8
87.5°	34.1	88.7	130.0	116.7	109.9
90°	3.2	20.2	27.5	36.4	40.4
92.5°	10.5	26.7	44.5	61.4	67.9
95°	30.7	66.3	104.3	135.0	154.4
97.5°	157.6	172.2	192.4	228.0	240.9
100°	325.0	341.1	286.2	299.9	304.7
102.5°	508.4	507.6	367.0	331.4	326.6
105°	599.0	593.3	506.0	356.5	329.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	486.6	489.8	480.2	467.2	447.0
115°	414.7	419.5	418.7	413.9	413.1
117.5°	353.2	355.7	357.3	355.7	356.5
120°	295.0	300.7	303.9	301.5	299.9
122.5°	246.5	253.8	257.9	255.4	253.8
125°	202.1	211.8	217.4	216.6	215.0
127.5°	171.4	178.6	185.9	185.1	183.5
130°	148.7	154.4	159.2	160.0	160.9
132.5°	133.4	135.8	140.6	141.5	143.1
135°	119.6	122.1	126.1	127.7	128.5
137.5°	109.1	111.6	114.8	116.4	117.2
140°	100.2	102.7	105.1	106.7	107.5
142.5°	93.0	95.4	97.8	98.6	99.4
145°	87.3	88.9	91.3	92.2	92.2
147.5°	81.6	83.3	84.9	86.5	86.5
150°	76.8	78.4	80.0	80.8	81.6
152.5°	73.6	74.4	76.0	76.8	76.8
155°	69.5	71.1	71.9	72.8	72.8
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	604.6	604.6	557.8	433.3	362.9
110°	553.7	560.2	535.9	487.4	431.6



(END OF REPORT)