

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: P827711

Luminaire Tested: **OHBL-18SE-A-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827711
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-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

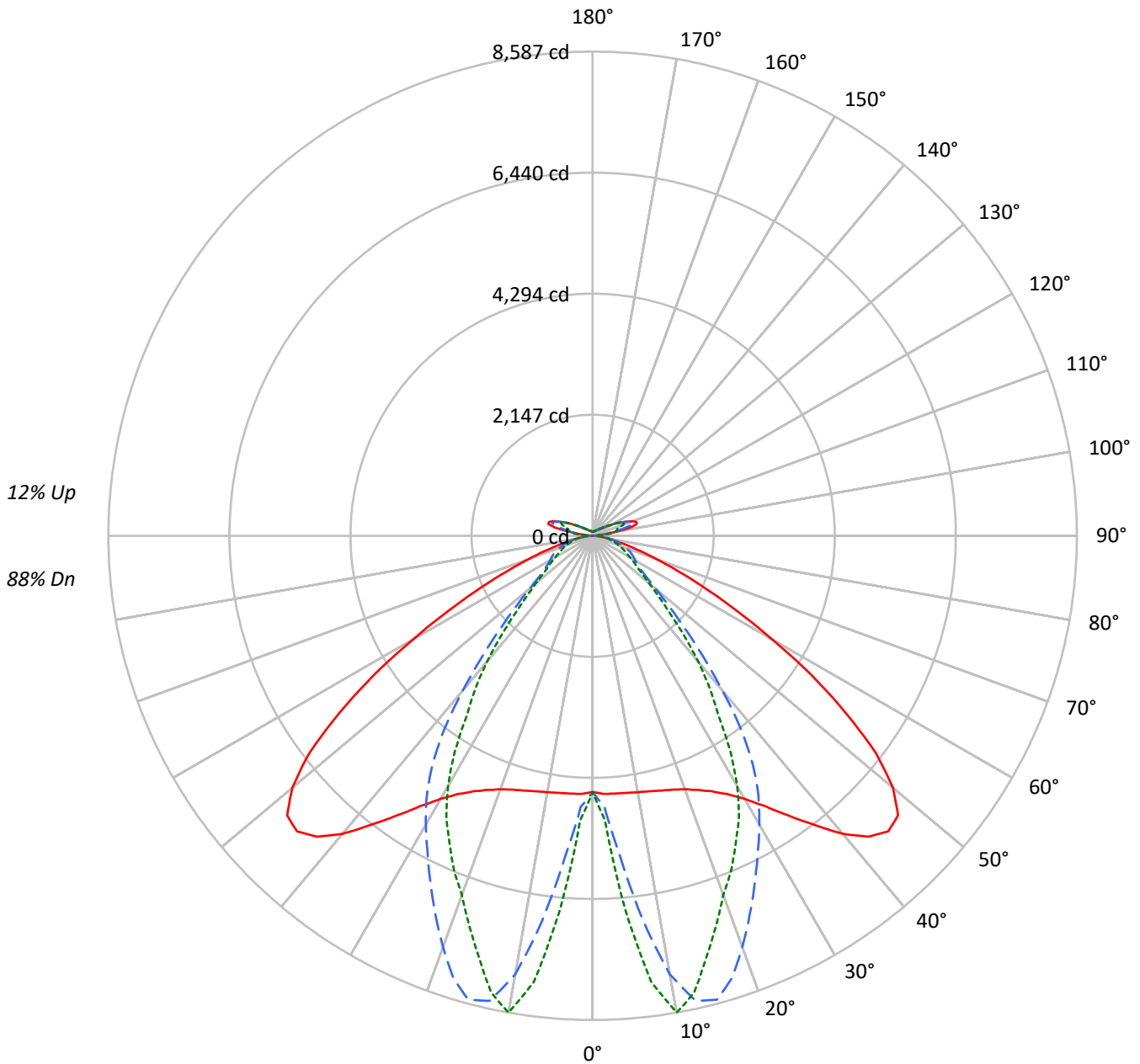
Lumens per Lamp: N/A
Luminaire Lumens: 16537.9 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 122.4
Input Voltage (V): NR
Input Current (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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88				88															
1	108	104	100	97	104	100	97	94	94	92	89	88	86	84	83	81	80	77				77															
2	100	93	87	82	96	90	85	80	84	80	77	80	76	73	75	72	70	67				67															
3	92	83	76	71	89	81	74	69	76	71	66	72	68	64	68	64	61	59				59															
4	85	75	67	61	82	73	66	60	69	63	58	65	60	56	62	58	54	52				52															
5	79	68	60	54	76	66	59	53	63	56	52	60	54	50	57	52	49	46				46															
6	73	62	54	48	71	60	53	47	57	51	46	55	49	45	52	47	44	42				42															
7	68	56	49	43	66	55	48	43	53	46	42	50	45	40	48	43	39	37				37															
8	64	52	44	39	62	51	43	38	48	42	38	46	41	37	44	40	36	34				34															
9	60	48	40	35	58	47	40	35	45	39	34	43	37	33	41	36	33	31				31															
10	56	44	37	32	55	43	37	32	42	36	31	40	35	31	38	34	30	28				28															

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	3.6
10°-20°	2093.8	12.7
20°-30°	3085.3	18.7
30°-40°	3242.1	19.6
40°-50°	2480.8	15.0
50°-60°	1498.0	9.1
60°-70°	914.1	5.5
70°-80°	499.0	3.0
80°-90°	180.1	1.1
90°-100°	187.4	1.1
100°-110°	650.6	3.9
110°-120°	558.1	3.4
120°-130°	267.8	1.6
130°-140°	134.0	0.8
140°-150°	77.7	0.5
150°-160°	45.3	0.3
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	5772.3	34.9
0°-40°	9014.4	54.5
0°-60°	12993.3	78.6
0°-90°	14586.5	88.2
90°-120°	1396.2	8.4
90°-150°	1875.5	11.3
90°-180°	1951.0	11.8
0°-180°	16537.9	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°	4	28	38	50	56	8
95°	43	90	139	184	209	133
105°	811	802	682	486	446	769
115°	559	565	565	563	559	564
125°	273	288	293	293	290	256
135°	162	165	171	172	174	128
145°	117	120	123	124	124	75
155°	94	95	97	98	98	44
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



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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°	4.0	27.5	38.0	50.1	55.8
92.5°	13.7	36.4	58.2	82.4	93.0
95°	42.8	89.7	139.0	184.3	208.6
97.5°	217.4	235.2	253.0	306.4	333.0
100°	446.2	473.7	382.3	404.2	411.4
102.5°	689.5	685.5	499.6	447.8	441.4
105°	810.8	801.9	682.2	485.8	446.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	653.1	662.8	649.9	631.3	605.4
115°	559.4	565.0	565.0	563.4	558.6
117.5°	478.5	479.3	482.6	481.8	482.6
120°	396.1	405.0	412.2	408.2	403.4
122.5°	332.2	341.9	346.8	345.2	340.3
125°	273.2	287.8	293.4	292.6	290.2
127.5°	231.2	241.7	249.8	250.6	249.8
130°	201.3	207.7	215.8	216.6	217.4
132.5°	178.6	184.3	190.0	193.2	192.4
135°	161.7	164.9	170.6	172.2	173.8
137.5°	147.9	150.4	155.2	157.6	157.6
140°	135.8	139.0	143.1	144.7	145.5
142.5°	125.3	128.5	131.8	133.4	133.4
145°	117.2	120.4	122.9	123.7	124.5
147.5°	109.9	113.2	114.8	116.4	116.4
150°	104.3	105.9	108.3	109.1	109.9
152.5°	98.6	100.2	102.7	103.5	103.5
155°	93.8	95.4	97.0	97.8	97.8
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	814.0	817.2	754.2	589.3	490.7
110°	750.9	758.2	721.8	659.6	580.4



(END OF REPORT)