

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: P827715

Luminaire Tested: **OHBL-18SE-MFL-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827715
REPORT IS A COMBINATION OF REPORTS P826067 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-18SE-MFL-UNV-L930-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

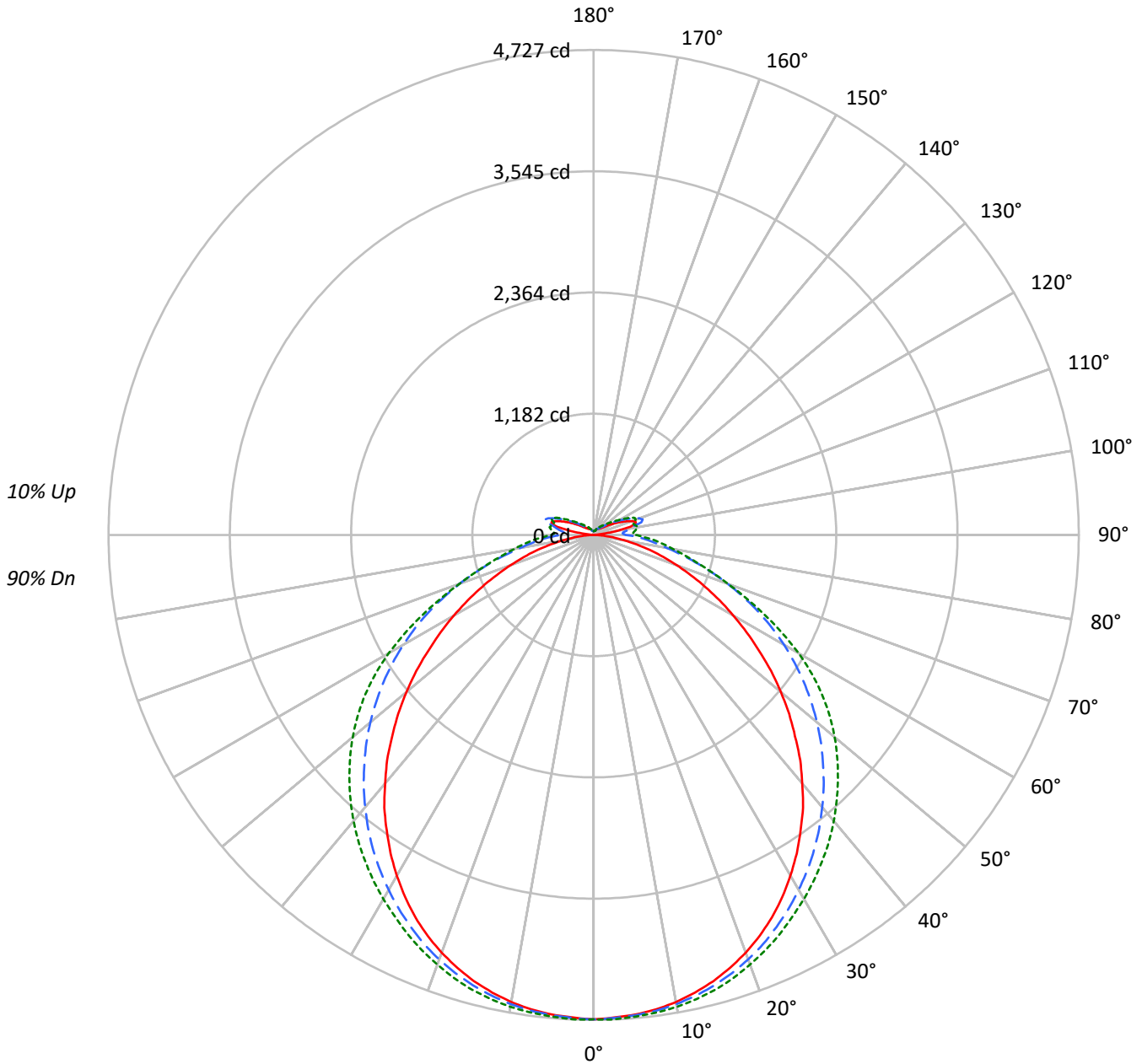
Lumens per Lamp: N/A
Luminaire Lumens: 15139.5 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 113.4
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90																			
1	106	101	97	93	102	98	94	90	92	89	86	86	84	81	81	79	77	74																			
2	96	88	81	75	93	85	79	73	80	75	70	75	71	67	71	67	64	62																			
3	88	77	69	62	84	75	67	61	70	64	59	66	61	57	63	58	54	52																			
4	80	68	59	53	77	66	58	52	63	56	50	59	53	48	56	51	47	44																			
5	74	61	52	45	71	59	51	45	56	49	43	53	47	42	50	45	41	38																			
6	68	55	46	39	65	53	45	39	51	43	38	48	42	37	46	40	36	33																			
7	63	50	41	35	61	48	40	34	46	39	33	44	37	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	38	33	28	26																			
9	55	41	33	28	53	40	33	27	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8066	8066	8066
5°	7975	7986	8048
10°	7881	7911	8039
15°	7754	7824	8018
20°	7599	7717	7972
25°	7404	7585	7926
30°	7150	7442	7882
35°	6851	7290	7852
40°	6499	7114	7827
45°	6093	6924	7789
50°	5652	6731	7738
55°	5122	6495	7618
60°	4580	6218	7317
65°	3992	5865	6776
70°	3360	5415	6198
75°	2716	4896	5895
80°	1936	4510	6174
85°	1078	4645	7740



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.5	3.0
10°-20°	1283.7	8.5
20°-30°	1941.4	12.8
30°-40°	2330.6	15.4
40°-50°	2407.2	15.9
50°-60°	2165.7	14.3
60°-70°	1631.4	10.8
70°-80°	985.1	6.5
80°-90°	484.3	3.2
90°-100°	299.0	2.0
100°-110°	450.4	3.0
110°-120°	355.3	2.3
120°-130°	176.2	1.2
130°-140°	89.1	0.6
140°-150°	49.9	0.3
150°-160°	27.0	0.2
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	3672.5	24.3
0°-40°	6003.1	39.7
0°-60°	10576.0	69.9
0°-90°	13676.8	90.3
90°-120°	1104.7	7.3
90°-150°	1419.9	9.4
90°-180°	1463.0	9.7
0°-180°	15139.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4722	4722	4722	4722	4722	
5°	4692	4705	4699	4718	4712	446
15°	4503	4525	4545	4584	4588	1269
25°	4112	4157	4216	4282	4292	1891
35°	3516	3598	3746	3859	3882	2198
45°	2775	2915	3159	3331	3367	2142
55°	1966	2169	2499	2687	2719	1763
65°	1200	1445	1768	1856	1835	1192
75°	565	811	1024	1050	1040	603
85°	118	311	513	584	594	136
90°	2	136	313	395	413	9
95°	26	129	289	373	398	71
105°	426	460	480	416	403	403
115°	300	318	370	394	394	300
125°	152	161	198	218	222	141
135°	90	95	112	130	135	72
145°	72	73	75	85	89	45
155°	60	62	62	61	62	26
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4722.3	4722.3	4722.3	4722.3	4722.3
2.5°	4708.4	4719.9	4713.0	4728.0	4726.9
5°	4692.2	4704.9	4699.2	4717.6	4711.9
7.5°	4664.5	4678.3	4677.2	4698.0	4695.7
10°	4624.0	4639.0	4643.6	4671.4	4671.4
12.5°	4568.5	4588.2	4599.7	4633.3	4634.4
15°	4502.7	4524.6	4545.4	4583.6	4588.2
17.5°	4423.0	4450.7	4479.5	4523.4	4529.3
20°	4332.7	4363.9	4403.2	4449.5	4456.4
22.5°	4228.8	4265.7	4316.6	4370.9	4379.0
25°	4112.1	4157.1	4216.0	4281.9	4292.3
27.5°	3979.1	4031.2	4110.9	4184.8	4194.1
30°	3834.7	3895.9	3995.3	4083.1	4098.2
32.5°	3682.1	3752.6	3875.2	3973.4	3994.1
35°	3515.7	3597.7	3745.7	3858.9	3882.0
37.5°	3351.6	3441.7	3609.3	3738.7	3766.5
40°	3159.7	3271.8	3463.7	3607.0	3640.5
42.5°	2979.4	3100.8	3318.0	3474.1	3506.5
45°	2774.8	2914.7	3158.6	3330.7	3366.6
47.5°	2583.0	2734.4	3004.9	3182.8	3219.8
50°	2380.8	2547.2	2840.7	3026.8	3065.0
52.5°	2178.5	2357.7	2670.9	2863.8	2899.7
55°	1965.9	2169.2	2498.6	2687.1	2719.4
57.5°	1768.2	1983.2	2321.9	2501.0	2520.6
60°	1572.9	1796.0	2141.5	2298.7	2305.7
62.5°	1382.2	1616.8	1956.7	2081.5	2072.2
65°	1199.6	1444.7	1768.2	1856.1	1835.2
67.5°	1024.0	1277.1	1575.2	1631.9	1604.1
70°	857.6	1114.1	1388.0	1416.9	1391.5
72.5°	710.8	959.2	1198.5	1222.8	1204.3
75°	565.1	811.3	1024.0	1050.5	1040.2
77.5°	428.7	668.0	863.3	898.0	900.3
80°	308.5	537.4	723.5	777.8	784.7
82.5°	203.4	417.2	606.7	676.1	686.5
85°	117.9	310.9	513.1	583.6	594.0
87.5°	50.8	224.2	412.6	476.2	488.9
90°	2.4	135.9	313.0	394.9	413.1
92.5°	10.8	119.1	282.7	365.0	381.7
95°	25.9	128.9	289.1	373.4	398.4
97.5°	116.1	188.2	324.9	402.3	420.7
100°	230.1	300.1	365.0	422.4	435.6
102.5°	361.8	403.2	399.9	418.4	422.4
105°	426.0	460.4	479.6	416.2	403.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	347.1	371.5	425.7	442.8	433.8
115°	300.2	317.6	370.4	394.5	394.3
117.5°	254.5	270.5	319.1	342.1	343.9
120°	214.9	229.0	272.2	292.1	296.7
122.5°	182.6	192.4	233.0	252.5	256.8
125°	151.5	160.6	198.5	217.8	222.0
127.5°	126.9	134.1	169.8	189.8	193.3
130°	111.6	115.9	145.4	165.9	169.3
132.5°	100.2	105.0	126.7	146.0	151.4
135°	90.5	95.3	112.4	130.5	135.2
137.5°	84.1	88.0	99.7	116.6	122.1
140°	78.7	82.4	89.7	104.4	109.0
142.5°	75.1	76.7	80.6	94.2	98.4
145°	72.2	72.7	74.6	84.6	88.9
147.5°	68.1	69.8	71.4	76.0	80.3
150°	65.7	67.7	67.3	69.3	72.8
152.5°	62.5	64.4	64.1	63.8	66.0
155°	60.1	62.0	61.7	61.4	62.5
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	428.4	463.6	500.9	449.4	403.5
110°	392.8	427.4	472.1	471.3	435.8



(END OF REPORT)