

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: P827716

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

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P827716
REPORT IS A COMBINATION OF REPORTS P826163 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-MFL-UNV-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

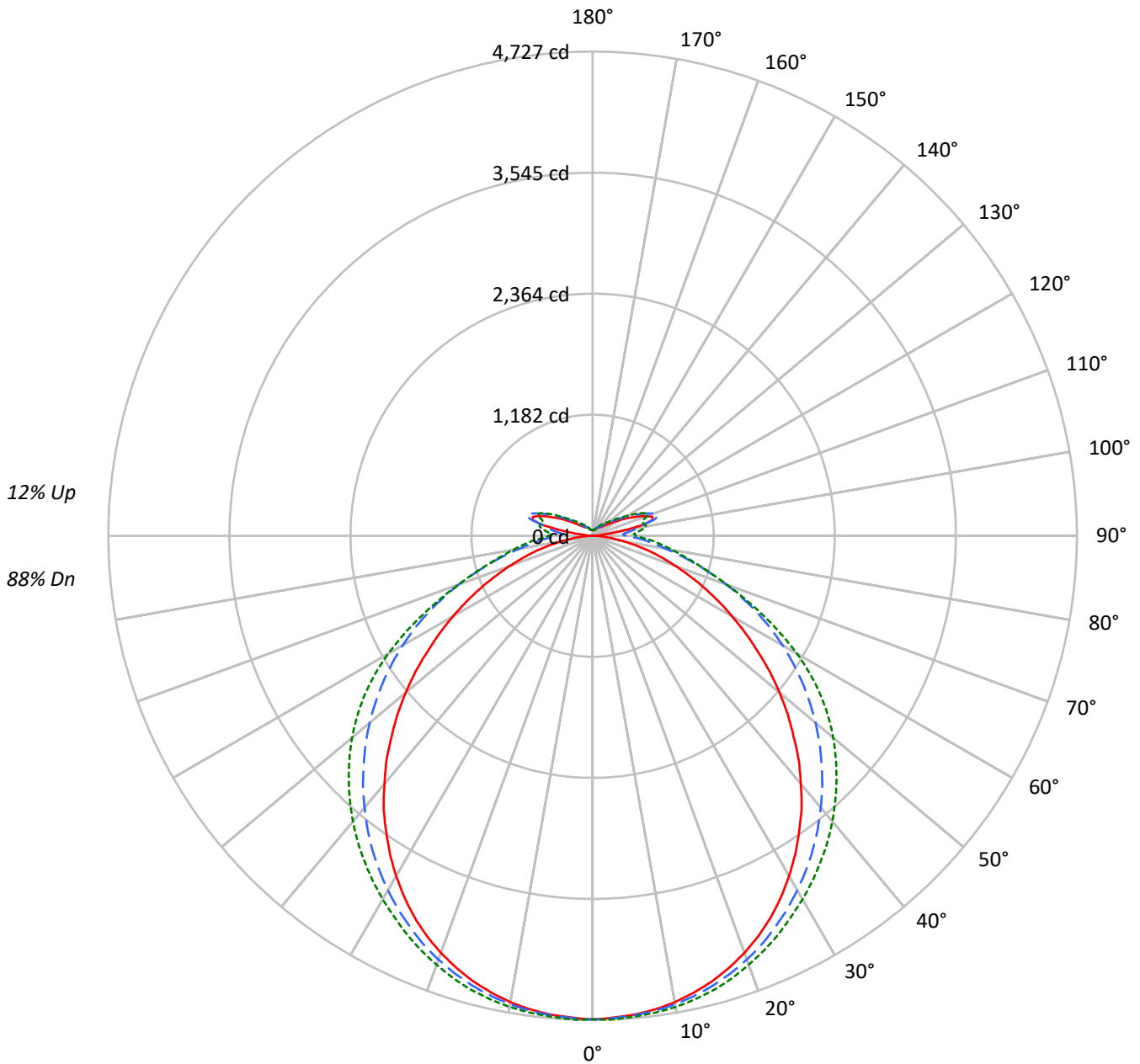
Lumens per Lamp: N/A
Luminaire Lumens: 15579.7 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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

TEST NUMBER: P827716

CATALOG NUMBER: OHBL-18SE-MFL-UNV-L930-CD-UPL18

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	104	104	104	97	97	97	91	91	91	88																			
1	105	100	96	92	101	97	93	89	91	87	84	85	82	80	79	77	75	72																			
2	96	87	81	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60																			
3	87	77	69	62	84	74	67	61	69	63	58	65	60	56	61	57	53	50																			
4	80	68	59	52	77	66	58	51	62	55	49	58	52	47	54	50	46	43																			
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	40	37																			
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32																			
7	63	49	41	35	60	48	40	34	45	38	33	43	37	32	40	35	31	29																			
8	58	45	37	31	56	44	36	30	41	34	29	39	33	28	37	32	28	26																			
9	54	41	33	28	52	40	32	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	29	24	33	27	23	32	26	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



TEST NUMBER: P827716

CATALOG NUMBER: OHBL-18SE-MFL-UNV-L930-CD-UPL18

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.5	2.9
10°-20°	1283.7	8.2
20°-30°	1941.4	12.5
30°-40°	2330.6	15.0
40°-50°	2407.2	15.5
50°-60°	2165.7	13.9
60°-70°	1631.4	10.5
70°-80°	985.1	6.3
80°-90°	485.4	3.1
90°-100°	341.2	2.2
100°-110°	596.4	3.8
110°-120°	480.9	3.1
120°-130°	236.8	1.5
130°-140°	119.3	0.8
140°-150°	67.4	0.4
150°-160°	37.2	0.2
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	3672.5	23.6
0°-40°	6003.1	38.5
0°-60°	10576.0	67.9
0°-90°	13677.8	87.8
90°-120°	1418.6	9.1
90°-150°	1842.0	11.8
90°-180°	1902.0	12.2
0°-180°	15579.7	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°	3	142	321	406	425	10
95°	36	148	324	415	444	102
105°	607	641	633	523	502	576
115°	424	446	497	519	523	428
125°	211	224	265	285	287	198
135°	128	132	150	169	175	101
145°	99	99	103	113	116	62
155°	81	84	84	83	84	36
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



TEST NUMBER: P827716

CATALOG NUMBER: OHBL-18SE-MFL-UNV-L930-CD-UPL18

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°	3.2	141.5	321.1	406.2	425.3
92.5°	14.0	127.2	296.4	382.7	401.9
95°	36.5	148.3	323.9	414.7	444.5
97.5°	164.6	241.5	383.1	471.8	495.1
100°	331.9	401.2	451.5	513.7	527.8
102.5°	515.4	560.8	511.4	518.6	521.9
105°	607.1	640.7	633.2	522.9	502.4



TEST NUMBER: P827716

CATALOG NUMBER: OHBL-18SE-MFL-UNV-L930-CD-UPL18

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	495.8	521.1	568.0	585.1	569.6
115°	423.9	446.1	497.3	519.0	522.8
117.5°	363.7	378.8	426.6	450.4	454.7
120°	305.5	320.3	365.2	385.9	388.9
122.5°	257.0	270.0	312.2	331.7	333.6
125°	211.3	224.5	264.8	284.9	286.6
127.5°	179.5	189.1	226.3	246.4	248.2
130°	156.8	163.6	193.9	214.4	218.7
132.5°	141.5	146.2	169.5	188.8	195.1
135°	127.7	132.5	150.4	169.3	174.8
137.5°	117.2	122.0	134.4	152.2	157.6
140°	109.4	113.1	121.2	136.8	142.2
142.5°	103.4	105.8	110.5	124.1	128.3
145°	98.9	99.3	102.9	112.9	116.4
147.5°	93.2	94.8	96.4	102.7	106.1
150°	88.4	91.1	91.6	93.5	97.8
152.5°	85.1	87.1	87.5	87.2	89.5
155°	81.1	83.8	83.5	83.2	84.3
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°	612.7	646.3	669.9	581.2	516.7
110°	561.8	597.2	635.4	619.2	569.1



(END OF REPORT)