

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: P828019

Luminaire Tested: **OHBL-18SE-N-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828019
REPORT IS A COMBINATION OF REPORTS P826164 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-N-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

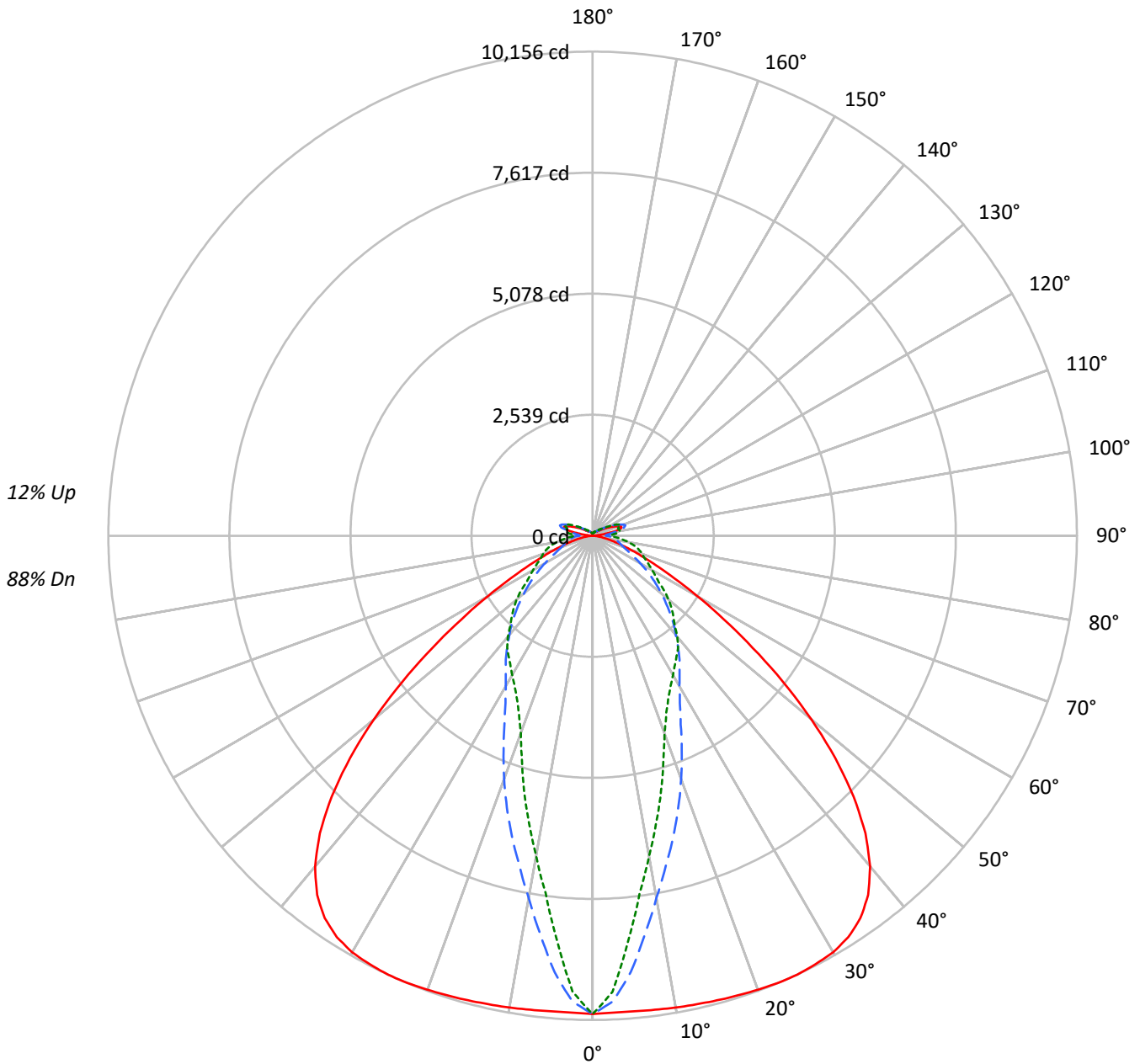
Lumens per Lamp: N/A
Luminaire Lumens: 16298.3 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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

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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	104	104	104	97	97	97	91	91	91	88																			
1	107	102	98	95	103	99	95	92	92	90	87	87	84	82	81	79	78	75																			
2	98	91	85	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64																			
3	90	81	74	68	87	78	72	66	74	68	64	70	65	61	66	62	59	56																			
4	84	73	65	59	80	71	63	58	67	61	56	63	58	54	60	55	52	49																			
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	48	43	39	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	41	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	30																			
10	56	43	36	31	54	42	36	31	41	34	30	39	33	30	37	32	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17135	17135	17135
5°	17017	15604	14579
10°	17125	13144	11747
15°	17374	11241	9690
20°	17770	9505	7878
25°	18286	7868	6940
30°	18809	6778	6484
35°	19080	6177	6217
40°	18623	5580	5939
45°	16998	5042	5542
50°	14209	4455	5250
55°	10678	3902	4724
60°	7381	3346	4585
65°	4877	2882	4569
70°	3251	2705	4912
75°	2175	2789	5444
80°	1408	3089	5958
85°	724	3864	7104



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	844.5	5.2
10°-20°	1986.7	12.2
20°-30°	2490.3	15.3
30°-40°	2642.4	16.2
40°-50°	2389.2	14.7
50°-60°	1732.3	10.6
60°-70°	1087.1	6.7
70°-80°	719.4	4.4
80°-90°	418.2	2.6
90°-100°	343.5	2.1
100°-110°	634.1	3.9
110°-120°	511.2	3.1
120°-130°	245.9	1.5
130°-140°	121.2	0.7
140°-150°	69.7	0.4
150°-160°	39.1	0.2
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	5321.4	32.7
0°-40°	7963.9	48.9
0°-60°	12085.4	74.2
0°-90°	14310.1	87.8
90°-120°	1488.9	9.1
90°-150°	1925.6	11.8
90°-180°	1988.0	12.2
0°-180°	16298.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10032	10032	10032	10032	10032	
5°	10012	9755	9182	8757	8536	957
15°	10089	8223	6531	5808	5545	2861
25°	10156	6358	4373	3881	3758	4692
35°	9792	4227	3174	3074	3074	6087
45°	7741	2677	2300	2356	2396	5897
55°	4098	1660	1501	1628	1686	3703
65°	1466	962	869	1113	1237	1525
75°	453	518	583	906	961	505
85°	79	215	427	594	545	95
90°	3	111	276	386	393	7
95°	36	131	325	435	468	103
105°	625	654	680	578	555	593
115°	438	462	539	560	562	441
125°	220	234	279	292	290	206
135°	133	137	154	169	170	105
145°	101	104	108	117	116	64
155°	83	88	89	91	89	37
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10032.3	10032.3	10032.3	10032.3	10032.3
2.5°	10011.3	9954.0	9775.5	9666.6	9574.9
5°	10012.3	9755.4	9182.5	8756.7	8536.1
7.5°	10026.6	9455.6	8423.4	7801.8	7559.3
10°	10048.5	9084.2	7714.9	7052.3	6826.0
12.5°	10064.8	8665.9	7091.4	6410.7	6162.4
15°	10088.7	8222.9	6531.0	5808.2	5544.7
17.5°	10110.6	7805.7	5977.2	5221.9	4928.8
20°	10132.6	7355.9	5423.4	4645.2	4403.7
22.5°	10153.6	6881.4	4882.9	4197.4	4032.2
25°	10155.5	6358.2	4373.1	3881.3	3758.2
27.5°	10130.7	5815.8	3959.7	3616.8	3540.5
30°	10087.7	5289.8	3638.8	3425.9	3371.5
32.5°	9980.8	4753.1	3390.6	3241.6	3210.1
35°	9791.7	4227.0	3173.8	3074.5	3073.6
37.5°	9493.8	3760.1	2938.9	2921.8	2942.8
40°	9053.6	3351.4	2716.5	2762.3	2762.3
42.5°	8466.4	2996.2	2515.0	2561.8	2549.3
45°	7740.8	2677.3	2300.2	2355.6	2395.7
47.5°	6899.5	2396.6	2080.6	2187.5	2242.8
50°	5984.8	2129.2	1880.1	2016.6	2079.6
52.5°	5026.2	1881.9	1684.3	1840.9	1891.5
55°	4098.1	1659.5	1501.0	1628.0	1686.2
57.5°	3257.8	1447.5	1321.5	1441.8	1562.1
60°	2535.1	1265.2	1152.5	1324.3	1444.7
62.5°	1936.4	1102.8	994.0	1214.5	1334.8
65°	1465.7	962.5	868.9	1113.3	1237.4
67.5°	1104.8	841.2	771.5	1039.8	1161.1
70°	829.8	723.8	693.2	994.0	1102.8
72.5°	613.0	615.8	631.2	953.8	1036.9
75°	452.6	518.5	583.4	906.2	960.6
77.5°	323.7	429.7	540.4	848.8	867.9
80°	224.4	350.4	495.6	773.4	757.2
82.5°	140.3	280.8	455.4	690.3	645.5
85°	79.2	214.8	426.8	593.9	545.2
87.5°	35.3	160.4	373.3	463.1	432.5
90°	3.3	110.6	275.7	386.0	393.0
92.5°	12.8	102.0	274.0	382.2	398.5
95°	35.5	131.3	325.2	435.2	468.5
97.5°	167.2	232.9	402.7	510.0	534.8
100°	340.8	401.3	483.1	562.2	576.8
102.5°	530.8	569.2	551.2	571.8	574.4
105°	625.2	653.7	680.2	577.6	554.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	511.2	537.5	614.3	632.5	616.5
115°	438.0	462.1	538.6	560.3	562.3
117.5°	375.6	392.4	461.9	484.1	485.9
120°	315.6	332.9	393.5	411.1	409.4
122.5°	265.6	280.8	332.7	346.4	343.8
125°	219.8	233.6	278.6	292.1	289.5
127.5°	187.2	196.6	235.6	248.1	245.5
130°	163.8	171.6	199.5	213.7	214.5
132.5°	147.1	151.4	173.7	187.8	189.5
135°	132.9	137.2	153.8	168.9	169.8
137.5°	122.1	127.4	138.4	152.5	153.3
140°	112.9	117.2	125.5	138.7	139.5
142.5°	106.3	109.8	116.1	126.5	127.3
145°	101.4	104.1	108.5	117.0	116.0
147.5°	95.6	99.2	101.8	108.3	107.3
150°	90.6	95.2	96.8	100.5	100.4
152.5°	87.2	91.0	92.7	95.4	94.4
155°	83.1	87.7	89.4	91.2	89.3
157.5°	69.2	70.0	70.8	71.7	71.7
160°	66.7	66.7	67.5	68.3	68.3
162.5°	64.2	64.2	65.0	65.8	65.8
165°	61.7	62.5	62.5	63.3	63.3
167.5°	60.0	60.0	60.8	60.8	61.7
170°	58.3	58.3	59.2	59.2	59.2
172.5°	56.7	57.5	57.5	57.5	57.5
175°	55.8	55.8	56.7	56.7	56.7
177.5°	55.0	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8	55.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	631.0	662.5	720.2	634.8	568.9
110°	579.4	612.8	685.2	670.6	619.8



(END OF REPORT)