

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: P828021

Luminaire Tested: **OHBL-18SE-NL-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828021
REPORT IS A COMBINATION OF REPORTS P826069 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-NL-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

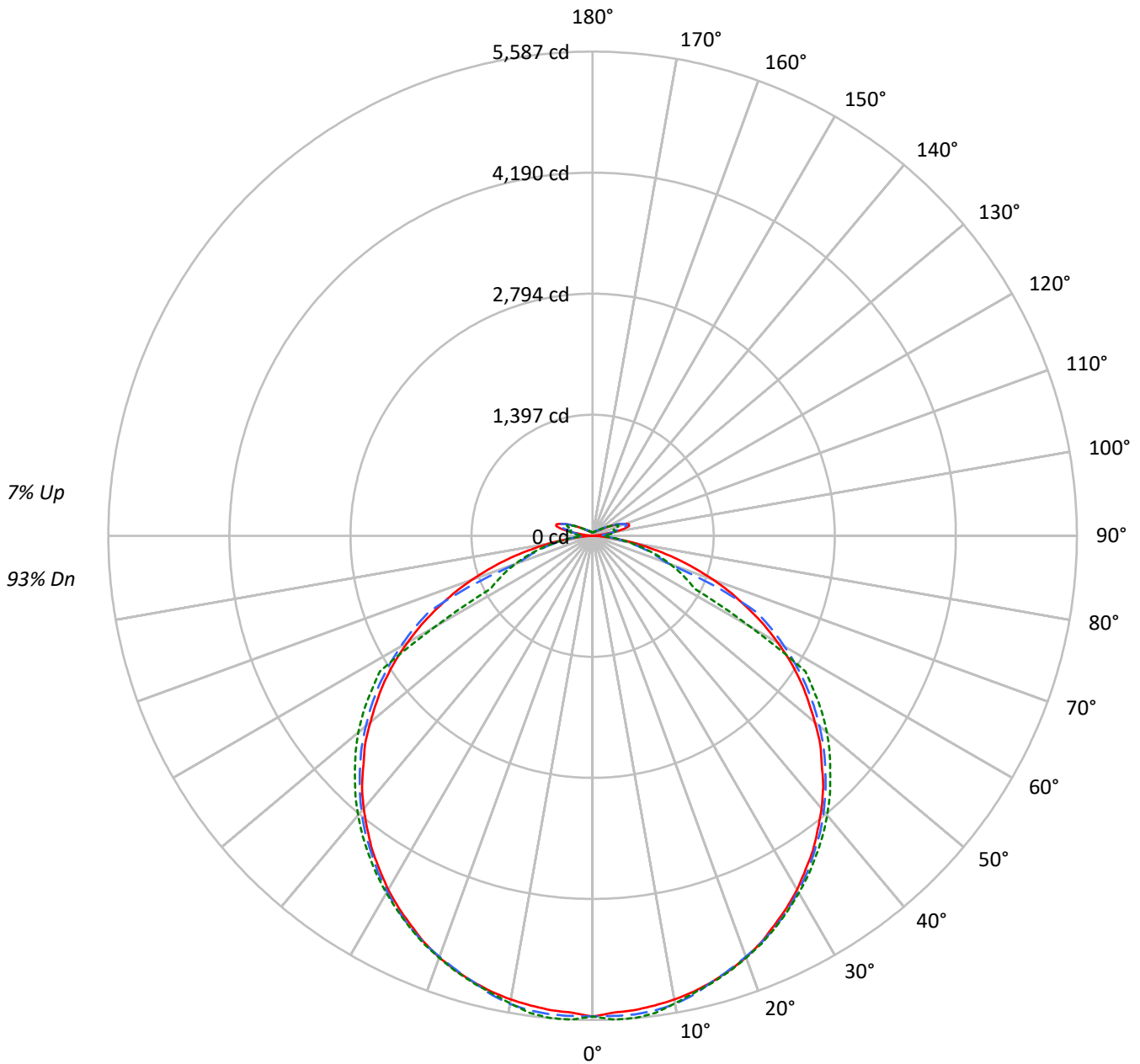
Lumens per Lamp: N/A
Luminaire Lumens: 16610.3 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 113.4
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	97	93	95	92	89	90	87	85	85	83	82	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66																			
3	90	79	72	65	87	77	70	64	73	67	62	70	65	60	66	62	59	56																			
4	82	70	62	55	79	69	61	55	65	59	53	62	56	52	59	54	50	48																			
5	75	63	54	48	73	61	53	47	59	51	46	56	50	45	53	48	44	41																			
6	70	57	48	41	67	55	47	41	53	46	40	50	44	39	48	43	38	36																			
7	64	51	43	37	62	50	42	36	48	41	35	46	40	35	44	38	34	32																			
8	60	47	38	33	58	46	38	32	44	37	32	42	36	31	40	35	30	29																			
9	56	43	35	29	54	42	34	29	40	33	28	39	32	28	37	32	27	26																			
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9473	9473	9473
5°	9372	9456	9556
10°	9325	9412	9457
15°	9273	9269	9375
20°	9208	9191	9328
25°	9091	9132	9285
30°	8990	9031	9245
35°	8869	8911	9209
40°	8722	8797	9181
45°	8518	8638	9124
50°	8300	8459	9088
55°	8035	8231	8934
60°	7637	7894	6901
65°	7068	7462	4597
70°	6334	3837	4395
75°	5258	3467	4098
80°	3693	2900	3588
85°	1482	2323	3103



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.9	3.2
10°-20°	1508.8	9.1
20°-30°	2295.7	13.8
30°-40°	2791.3	16.8
40°-50°	2934.9	17.7
50°-60°	2679.9	16.1
60°-70°	1718.0	10.3
70°-80°	811.5	4.9
80°-90°	227.6	1.4
90°-100°	158.7	1.0
100°-110°	361.3	2.2
110°-120°	300.8	1.8
120°-130°	142.0	0.9
130°-140°	71.0	0.4
140°-150°	41.3	0.2
150°-160°	24.1	0.1
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	4331.4	26.1
0°-40°	7122.7	42.9
0°-60°	12737.6	76.7
0°-90°	15494.7	93.3
90°-120°	820.8	4.9
90°-150°	1075.2	6.5
90°-180°	1116.0	6.7
0°-180°	16610.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5546	5546	5546	5546	5546	
5°	5495	5516	5545	5575	5586	523
15°	5328	5368	5328	5335	5339	1504
25°	4959	4966	4984	4992	4988	2288
35°	4432	4406	4456	4511	4498	2770
45°	3738	3731	3795	3884	3877	2889
55°	2929	2907	3005	3106	3113	2613
65°	1974	1974	2088	1198	1202	1957
75°	975	994	645	679	682	1028
85°	128	162	201	218	206	188
90°	2	70	110	132	133	7
95°	24	77	136	183	198	70
105°	436	437	379	273	251	412
115°	305	307	310	305	294	303
125°	147	152	156	154	155	137
135°	85	88	91	92	92	68
145°	62	64	65	66	67	40
155°	50	51	52	52	52	23
165°	43	43	44	44	44	12
175°	39	39	39	39	39	4
180°	38	38	38	38	38	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5546.5	5546.5	5546.5	5546.5	5546.5
2.5°	5507.6	5526.1	5546.5	5572.8	5587.3
5°	5494.9	5516.3	5544.6	5574.8	5586.4
7.5°	5467.7	5497.8	5525.1	5546.5	5553.3
10°	5433.6	5469.7	5485.2	5483.2	5478.4
12.5°	5387.8	5425.8	5421.0	5398.6	5402.5
15°	5328.5	5368.3	5327.6	5335.3	5339.2
17.5°	5258.4	5297.3	5249.7	5265.2	5266.2
20°	5176.8	5205.8	5168.9	5181.6	5181.6
22.5°	5078.4	5098.8	5083.2	5092.0	5094.0
25°	4958.7	4966.4	4983.9	4991.8	4987.8
27.5°	4843.9	4834.1	4868.2	4886.7	4876.8
30°	4716.3	4700.8	4740.7	4770.8	4759.2
32.5°	4570.3	4560.7	4606.4	4642.3	4635.6
35°	4432.2	4405.8	4456.5	4511.0	4498.3
37.5°	4268.7	4253.1	4310.5	4367.9	4361.2
40°	4109.0	4082.8	4148.0	4216.1	4209.3
42.5°	3937.8	3906.6	3977.7	4059.4	4051.6
45°	3738.2	3731.4	3794.7	3884.2	3877.4
47.5°	3561.2	3527.1	3615.6	3702.2	3710.1
50°	3346.9	3334.3	3415.2	3520.3	3528.0
52.5°	3137.8	3129.0	3213.6	3319.8	3333.3
55°	2929.4	2907.1	3005.3	3105.6	3113.4
57.5°	2706.7	2683.2	2783.5	2892.5	2909.0
60°	2468.1	2445.8	2555.7	2657.0	2112.9
62.5°	2229.7	2214.1	2329.0	1649.7	1329.5
65°	1973.8	1973.8	2088.5	1198.1	1201.9
67.5°	1734.3	1718.8	1557.2	1076.3	1076.3
70°	1477.4	1483.3	897.3	943.1	944.1
72.5°	1219.5	1240.9	774.8	811.7	813.6
75°	975.2	993.8	645.2	679.3	682.3
77.5°	716.3	550.8	518.7	545.1	546.0
80°	503.2	347.4	397.1	422.3	419.5
82.5°	293.8	243.2	291.0	309.5	308.5
85°	127.5	161.6	201.4	218.0	206.2
87.5°	40.8	100.2	125.5	135.3	134.2
90°	2.5	69.5	109.5	131.8	133.3
92.5°	7.5	61.9	109.6	142.3	147.5
95°	23.8	76.6	136.0	183.3	198.3
97.5°	114.4	142.9	184.1	231.4	241.8
100°	231.9	264.0	236.0	263.7	268.8
102.5°	370.7	374.4	281.8	269.4	266.3
105°	435.7	436.6	378.9	273.1	251.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	354.2	358.7	359.1	342.8	321.8
115°	304.8	306.8	310.5	305.2	294.3
117.5°	251.7	255.0	257.5	255.0	253.3
120°	210.8	215.8	217.5	214.2	214.2
122.5°	177.5	181.7	184.2	181.7	182.5
125°	146.7	152.5	155.8	154.2	155.0
127.5°	122.5	127.5	133.3	132.5	132.5
130°	106.7	110.0	114.2	115.0	115.0
132.5°	95.0	97.5	100.8	101.7	102.5
135°	85.0	87.5	90.8	91.7	91.7
137.5°	78.3	80.0	82.5	83.3	84.2
140°	71.7	74.2	75.8	76.7	76.7
142.5°	66.7	68.3	70.0	70.8	71.7
145°	62.5	64.2	65.0	65.8	66.7
147.5°	58.3	60.0	61.7	61.7	62.5
150°	55.8	56.7	57.5	58.3	58.3
152.5°	52.5	53.3	54.2	55.0	55.0
155°	50.0	50.8	51.7	52.5	52.5
157.5°	47.5	49.2	49.2	50.0	50.0
160°	45.8	46.7	47.5	47.5	47.5
162.5°	44.2	45.0	45.0	45.8	45.8
165°	43.3	43.3	44.2	44.2	44.2
167.5°	41.7	41.7	42.5	42.5	42.5
170°	40.8	40.8	40.8	41.7	41.7
172.5°	40.0	40.0	40.0	40.0	40.0
175°	39.2	39.2	39.2	39.2	39.2
177.5°	38.3	39.2	39.2	39.2	39.2
180°	38.3	38.3	38.3	38.3	38.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	438.2	444.7	414.4	319.6	260.4
110°	402.5	411.2	395.8	357.8	308.4



(END OF REPORT)