

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: P828023

Luminaire Tested: **OHBL-18SE-NL-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828023
REPORT IS A COMBINATION OF REPORTS P826237 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-NL-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

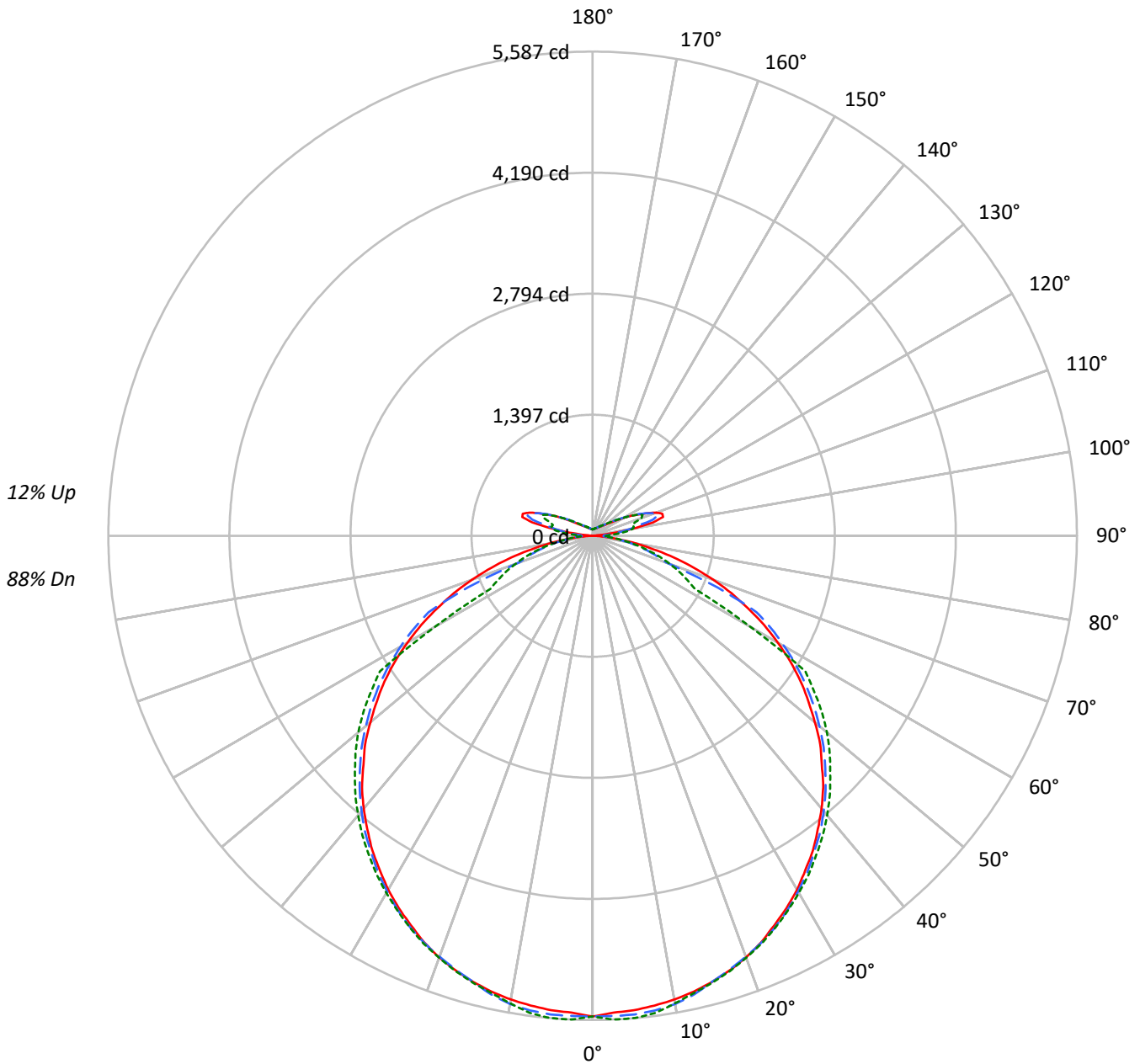
Lumens per Lamp: N/A
Luminaire Lumens: 17589.4 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Semi-Direct

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					20										
RC	80					70					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	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													
1	107	102	98	94	103	99	95	92	92	89	87	86	84	82	81	79	77	75													
2	97	89	83	77	93	86	80	75	81	76	72	76	72	69	71	68	65	63													
3	89	79	71	64	85	76	69	63	71	65	61	67	62	58	63	59	56	53													
4	81	70	61	55	78	67	60	54	63	57	52	60	54	50	56	52	48	45													
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	39													
6	69	56	47	41	66	54	46	40	51	44	39	49	42	38	46	41	37	34													
7	64	51	42	36	61	49	41	35	47	40	34	44	38	33	42	36	32	30													
8	59	46	38	32	57	45	37	32	43	36	31	40	34	30	38	33	29	27													
9	55	42	34	29	53	41	34	28	39	32	28	37	31	27	35	30	26	24													
10	52	39	31	26	50	38	31	26	36	30	25	34	28	24	33	28	24	22													

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	3.0
10°-20°	1508.8	8.6
20°-30°	2295.7	13.1
30°-40°	2791.3	15.9
40°-50°	2934.9	16.7
50°-60°	2679.9	15.2
60°-70°	1718.0	9.8
70°-80°	811.5	4.6
80°-90°	230.1	1.3
90°-100°	252.8	1.4
100°-110°	687.1	3.9
110°-120°	579.9	3.3
120°-130°	276.0	1.6
130°-140°	138.1	0.8
140°-150°	80.1	0.5
150°-160°	46.7	0.3
160°-170°	24.2	0.1
170°-180°	7.4	0.0
0°-30°	4331.4	24.6
0°-40°	7122.7	40.5
0°-60°	12737.6	72.4
0°-90°	15497.2	88.1
90°-120°	1519.8	8.6
90°-150°	2014.0	11.5
90°-180°	2092.0	11.9
0°-180°	17589.4	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°	4	83	129	158	162	9
95°	47	121	208	277	302	139
105°	841	837	719	516	475	798
115°	582	589	592	588	577	585
125°	282	297	302	302	299	264
135°	167	170	176	178	179	132
145°	121	124	127	128	128	77
155°	97	98	100	101	101	45
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



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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°	4.2	82.8	128.7	157.7	161.7
92.5°	14.2	80.2	137.9	182.3	194.2
95°	47.1	120.8	207.7	276.7	301.7
97.5°	226.1	262.9	306.6	383.9	413.4
100°	461.9	504.8	424.3	465.3	473.8
102.5°	715.7	720.2	533.4	492.8	487.2
105°	840.7	837.4	718.9	516.4	474.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	679.2	691.2	680.8	658.7	625.1
115°	581.5	589.3	592.2	587.7	576.8
117.5°	493.3	494.2	497.5	496.7	497.5
120°	408.3	417.5	425.0	420.8	415.8
122.5°	342.5	352.5	357.5	355.8	350.8
125°	281.7	296.7	302.5	301.7	299.2
127.5°	238.3	249.2	257.5	258.3	257.5
130°	207.5	214.2	222.5	223.3	224.2
132.5°	184.2	190.0	195.8	199.2	198.3
135°	166.7	170.0	175.8	177.5	179.2
137.5°	152.5	155.0	160.0	162.5	162.5
140°	140.0	143.3	147.5	149.2	150.0
142.5°	129.2	132.5	135.8	137.5	137.5
145°	120.8	124.2	126.7	127.5	128.3
147.5°	113.3	116.7	118.3	120.0	120.0
150°	107.5	109.2	111.7	112.5	113.3
152.5°	101.7	103.3	105.8	106.7	106.7
155°	96.7	98.3	100.0	100.8	100.8
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	844.0	852.2	791.1	616.2	508.8
110°	780.0	790.4	755.8	687.8	599.2



(END OF REPORT)