

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: P827988

Luminaire Tested: **OHBL-15SE-NL-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827988  
REPORT IS A COMBINATION OF REPORTS P826225 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-15SE-NL-UNV-L935-CD-UPL24  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

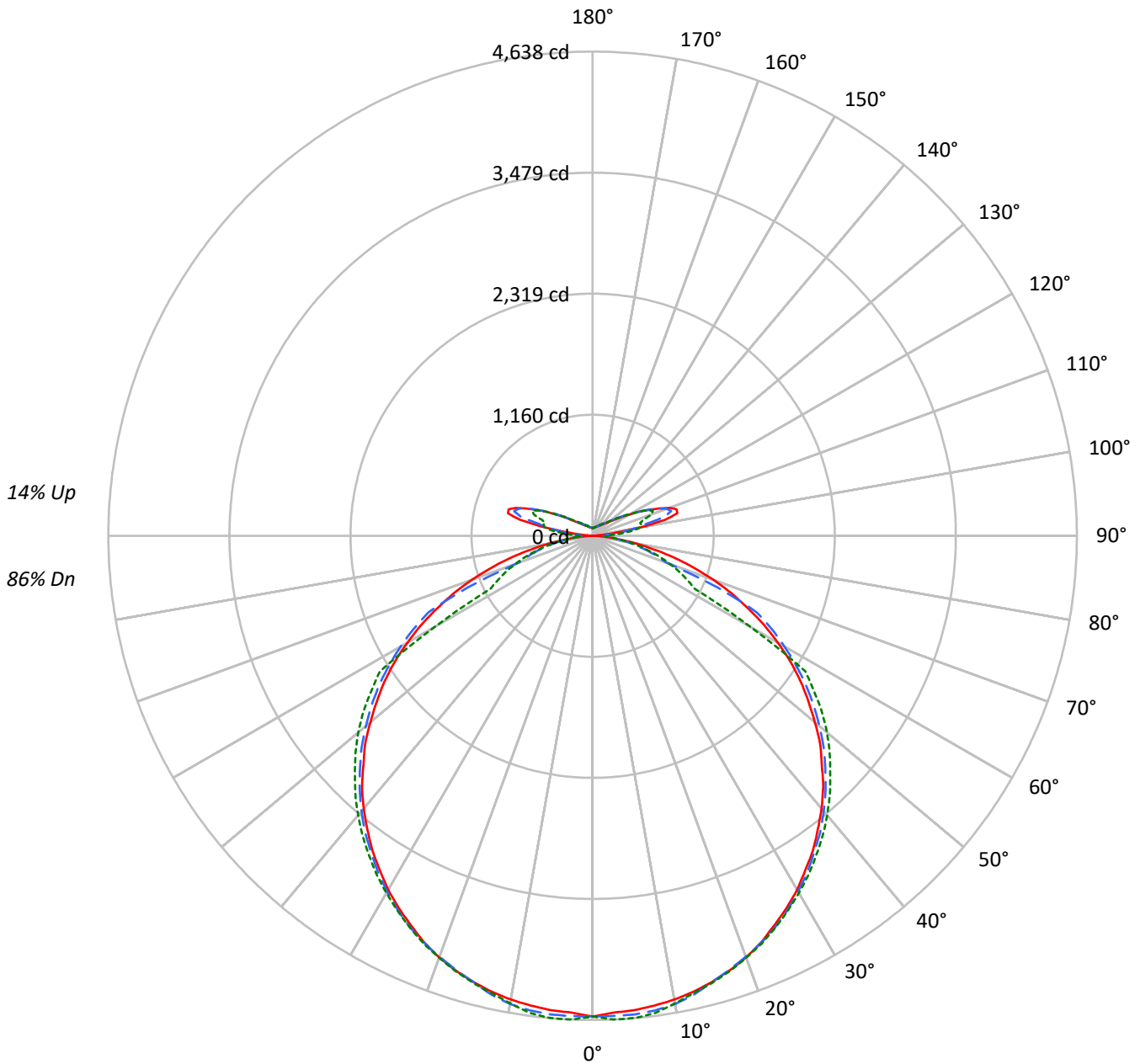
Lumens per Lamp: N/A  
Luminaire Lumens: 14944.4 lumens  
Efficiency: N/A  
Efficacy: 143.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 104.4  
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				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	0	
RCR																						
0	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86				86
1	106	102	98	94	102	98	94	91	91	88	86	85	83	81	79	78	76	73				73
2	97	89	82	77	93	86	80	75	80	75	71	75	71	68	70	67	64	61				61
3	88	78	70	64	85	76	68	63	71	65	60	66	61	57	62	58	54	52				52
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47	44				44
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41	38				38
6	68	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	33				33
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30				30
8	59	46	38	32	57	44	37	31	42	35	30	40	34	29	38	32	28	26				26
9	55	42	34	29	53	41	33	28	39	32	27	37	31	26	35	29	26	24				24
10	51	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	21				21

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	14980	14980	14980
5°	14750	14902	15110
10°	14607	14783	14954
15°	14456	14509	14823
20°	14284	14336	14750
25°	14029	14193	14683
30°	13798	13981	14618
35°	13530	13736	14561
40°	13219	13497	14518
45°	12813	13182	14428
50°	12377	12828	14371
55°	11858	12390	14127
60°	11129	11775	10913
65°	10130	10999	7269
70°	8878	5563	6950
75°	7133	4910	6479
80°	4748	3949	5673
85°	1712	2920	4907



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	437.4	2.9
10°-20°	1252.5	8.4
20°-30°	1905.8	12.8
30°-40°	2317.2	15.5
40°-50°	2436.4	16.3
50°-60°	2224.7	14.9
60°-70°	1426.2	9.5
70°-80°	673.7	4.5
80°-90°	191.9	1.3
90°-100°	242.7	1.6
100°-110°	684.3	4.6
110°-120°	579.1	3.9
120°-130°	276.0	1.8
130°-140°	138.1	0.9
140°-150°	80.1	0.5
150°-160°	46.7	0.3
160°-170°	24.2	0.2
170°-180°	7.4	0.0
0°-30°	3595.7	24.1
0°-40°	5912.9	39.6
0°-60°	10574.0	70.8
0°-90°	12865.8	86.1
90°-120°	1506.1	10.1
90°-150°	2000.3	13.4
90°-180°	2079.0	13.9
0°-180°	14944.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4604	4604	4604	4604	4604	
5°	4562	4579	4603	4628	4638	434
15°	4423	4457	4423	4429	4432	1249
25°	4116	4123	4137	4144	4141	1899
35°	3679	3658	3700	3745	3734	2299
45°	3103	3098	3150	3224	3219	2399
55°	2432	2413	2495	2578	2585	2169
65°	1638	1638	1734	995	998	1624
75°	810	825	536	564	566	853
85°	106	134	167	181	171	156
90°	4	74	114	140	144	8
95°	47	116	197	262	287	139
105°	840	836	716	514	472	797
115°	581	588	590	586	577	584
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°	4604.4	4604.4	4604.4	4604.4	4604.4
2.5°	4572.1	4587.5	4604.4	4626.2	4638.3
5°	4561.6	4579.4	4602.8	4627.9	4637.6
7.5°	4539.0	4564.0	4586.7	4604.4	4610.1
10°	4510.7	4540.7	4553.6	4551.9	4547.9
12.5°	4472.8	4504.3	4500.2	4481.6	4484.8
15°	4423.4	4456.6	4422.7	4429.1	4432.3
17.5°	4365.2	4397.6	4358.0	4370.9	4371.8
20°	4297.4	4321.7	4290.9	4301.5	4301.5
22.5°	4215.8	4232.8	4219.8	4227.2	4228.8
25°	4116.4	4122.8	4137.4	4143.9	4140.7
27.5°	4021.2	4013.0	4041.3	4056.7	4048.5
30°	3915.3	3902.3	3935.4	3960.5	3950.8
32.5°	3794.1	3786.0	3824.0	3853.8	3848.2
35°	3679.3	3657.5	3699.5	3744.8	3734.3
37.5°	3543.6	3530.7	3578.3	3626.1	3620.4
40°	3411.1	3389.2	3443.4	3500.0	3494.3
42.5°	3268.9	3243.0	3302.0	3369.9	3363.4
45°	3103.2	3097.6	3150.1	3224.4	3218.8
47.5°	2956.2	2928.0	3001.4	3073.4	3079.9
50°	2778.4	2768.0	2835.1	2922.3	2928.8
52.5°	2604.8	2597.6	2667.8	2755.8	2767.2
55°	2431.8	2413.3	2494.9	2578.2	2584.7
57.5°	2246.9	2227.5	2310.8	2401.2	2414.9
60°	2048.9	2030.3	2121.6	2205.7	1754.1
62.5°	1851.0	1838.1	1933.4	1369.5	1103.7
65°	1638.5	1638.5	1733.8	994.6	997.8
67.5°	1439.8	1426.8	1292.8	893.5	893.5
70°	1226.4	1231.3	744.8	782.9	783.7
72.5°	1012.3	1030.2	643.2	673.8	675.4
75°	809.5	824.9	535.7	563.9	566.3
77.5°	594.7	457.3	430.6	452.5	453.2
80°	417.7	288.4	329.7	350.6	348.2
82.5°	243.9	201.9	241.6	256.9	256.1
85°	105.8	134.1	167.2	181.0	171.2
87.5°	33.8	83.3	104.2	112.3	111.4
90°	4.2	73.6	113.5	139.7	144.0
92.5°	14.2	73.0	124.7	165.8	177.4
95°	46.6	115.9	196.8	261.9	286.9
97.5°	225.8	259.4	298.8	372.3	401.5
100°	461.7	502.0	419.3	457.0	465.4
102.5°	714.8	717.9	530.3	487.5	481.7
105°	839.8	835.6	716.2	513.8	472.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	678.2	689.8	678.9	657.3	624.9
115°	580.7	588.2	590.5	586.5	576.6
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°	843.2	850.5	788.8	614.8	508.2
110°	779.1	788.9	753.8	686.5	599.1



(END OF REPORT)