

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: P829860

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

Issue Date: 5/3/2024



**Test Information**

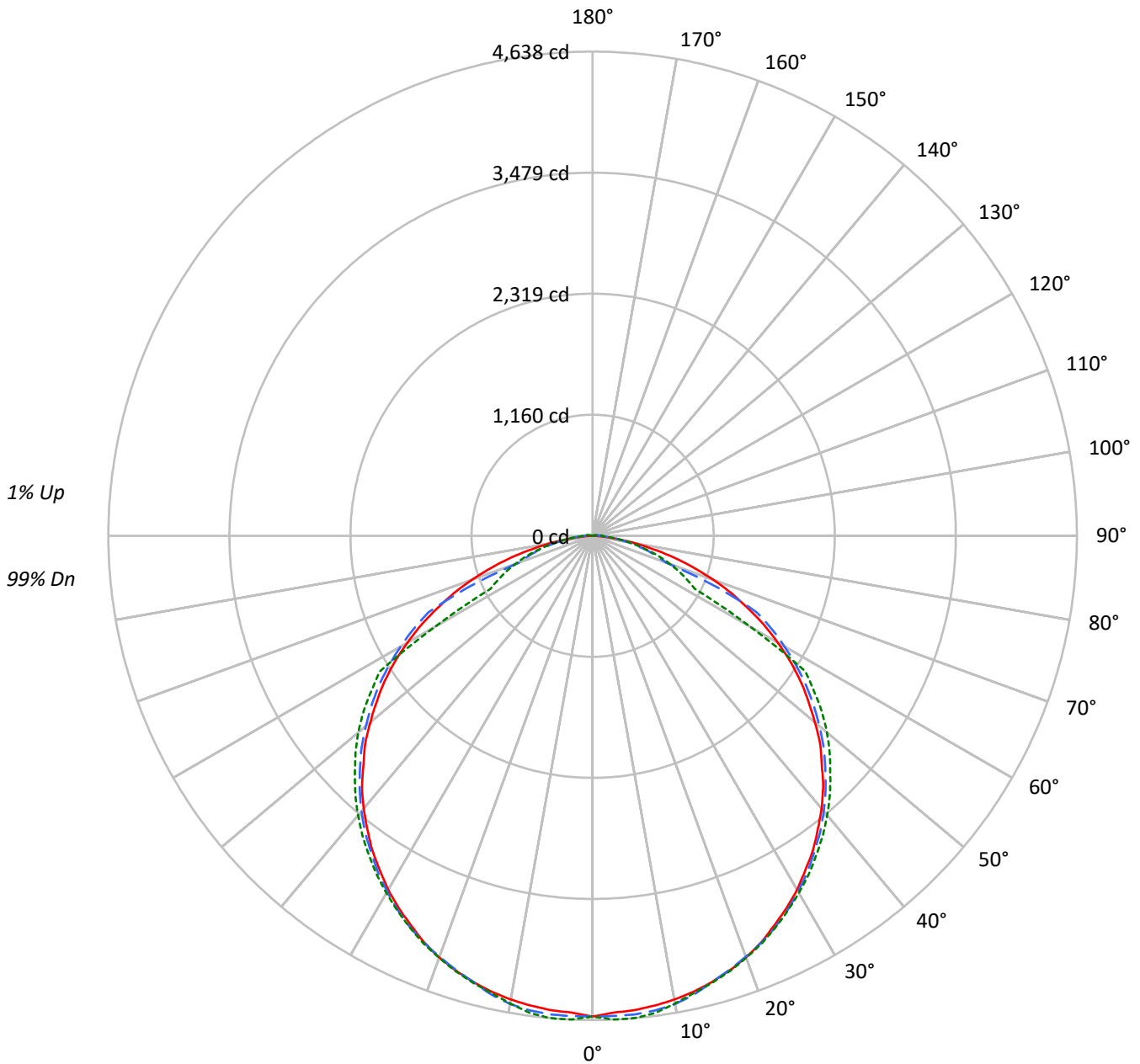
Test Method: LM-79-08  
Report Number: P829860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-15SE-NL-UNV-L935-CD  
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12928.0 lumens  
Efficiency: N/A  
Efficacy: 148.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 0.88' x L: 3.78' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 87  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

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

	0°	45°	90°
0°	14980	14980	14980
5°	14898	15032	15146
10°	14902	15043	15025
15°	14899	14896	14929
20°	14879	14856	14893
25°	14777	14853	14864
30°	14709	14785	14842
35°	14613	14694	14831
40°	14487	14625	14841
45°	14278	14494	14810
50°	14063	14350	14824
55°	13794	14152	14660
60°	13332	13805	11413
65°	12614	13347	7681
70°	11667	7086	7455
75°	10177	6734	7120
80°	7826	6177	6524
85°	3949	6241	6394



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	437.5	3.4
10°-20°	1252.6	9.7
20°-30°	1905.9	14.7
30°-40°	2317.3	17.9
40°-50°	2436.5	18.8
50°-60°	2224.8	17.2
60°-70°	1426.2	11.0
70°-80°	673.7	5.2
80°-90°	186.8	1.4
90°-100°	49.5	0.4
100°-110°	13.5	0.1
110°-120°	3.7	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3595.9	27.8
0°-40°	5913.2	45.7
0°-60°	10574.5	81.8
0°-90°	12861.2	99.5
90°-120°	66.8	0.5
90°-150°	66.8	0.5
90°-180°	67.0	0.5
0°-180°	12928.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4605	4605	4605	4605	4605	
5°	4562	4580	4603	4628	4638	434
15°	4424	4457	4423	4429	4432	1249
25°	4117	4123	4138	4144	4141	1900
35°	3680	3658	3700	3745	3734	2299
45°	3103	3098	3150	3225	3219	2399
55°	2432	2413	2495	2578	2585	2169
65°	1639	1639	1734	995	998	1624
75°	810	825	536	564	566	853
85°	106	134	167	181	171	156
90°	0	45	74	88	86	5
95°	2	23	53	72	72	1
105°	4	9	13	13	12	4
115°	4	6	8	6	1	3
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4604.6	4604.6	4604.6	4604.6	4604.6
2.5°	4572.3	4587.7	4604.6	4626.4	4638.5
5°	4561.8	4579.6	4603.0	4628.1	4637.7
7.5°	4539.2	4564.2	4586.8	4604.6	4610.3
10°	4510.9	4540.8	4553.7	4552.1	4548.1
12.5°	4472.9	4504.5	4500.4	4481.8	4485.0
15°	4423.6	4456.7	4422.8	4429.3	4432.5
17.5°	4365.4	4397.8	4358.2	4371.1	4371.9
20°	4297.6	4321.8	4291.1	4301.6	4301.6
22.5°	4216.0	4232.9	4220.0	4227.3	4228.9
25°	4116.6	4123.0	4137.6	4144.1	4140.8
27.5°	4021.3	4013.2	4041.5	4056.8	4048.7
30°	3915.4	3902.5	3935.6	3960.7	3951.0
32.5°	3794.2	3786.2	3824.1	3854.0	3848.3
35°	3679.5	3657.7	3699.7	3744.9	3734.4
37.5°	3543.7	3530.8	3578.5	3626.2	3620.5
40°	3411.2	3389.4	3443.6	3500.1	3494.5
42.5°	3269.1	3243.1	3302.2	3370.1	3363.6
45°	3103.4	3097.7	3150.2	3224.6	3218.9
47.5°	2956.4	2928.1	3001.6	3073.5	3080.0
50°	2778.6	2768.1	2835.2	2922.4	2928.9
52.5°	2604.9	2597.6	2667.9	2756.0	2767.3
55°	2431.9	2413.4	2495.0	2578.2	2584.7
57.5°	2247.0	2227.6	2310.8	2401.3	2415.0
60°	2049.0	2030.4	2121.7	2205.8	1754.1
62.5°	1851.0	1838.1	1933.5	1369.5	1103.7
65°	1638.6	1638.6	1733.8	994.6	997.8
67.5°	1439.8	1426.9	1292.8	893.6	893.6
70°	1226.5	1231.4	744.9	783.0	783.7
72.5°	1012.4	1030.2	643.2	673.8	675.4
75°	809.6	825.0	535.7	564.0	566.4
77.5°	594.7	457.3	430.6	452.5	453.3
80°	417.7	288.4	329.7	350.6	348.2
82.5°	244.0	202.0	241.6	257.0	256.1
85°	105.8	134.1	167.2	181.0	171.3
87.5°	33.9	83.2	104.2	112.3	111.5
90°	0.0	45.3	74.3	88.0	86.5
92.5°	0.0	35.5	64.7	80.8	81.6
95°	2.4	23.4	53.4	71.9	71.9
97.5°	1.6	16.9	38.0	56.5	58.2
100°	1.6	13.7	25.1	40.4	41.2
102.5°	4.0	11.3	15.3	25.8	26.7
105°	4.0	8.9	12.9	12.9	12.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.9	6.5	8.9	6.5	0.8
115°	4.0	5.6	8.0	5.6	0.8
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







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







107.5°	4.0	8.0	11.3	7.3	2.4
110°	4.9	7.3	9.7	6.5	0.8



(END OF REPORT)