

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: P827964

Luminaire Tested: **OHBL-12SE-NL-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827964  
REPORT IS A COMBINATION OF REPORTS P826153 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-12SE-NL-UNV-L935-CD-UPL18  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

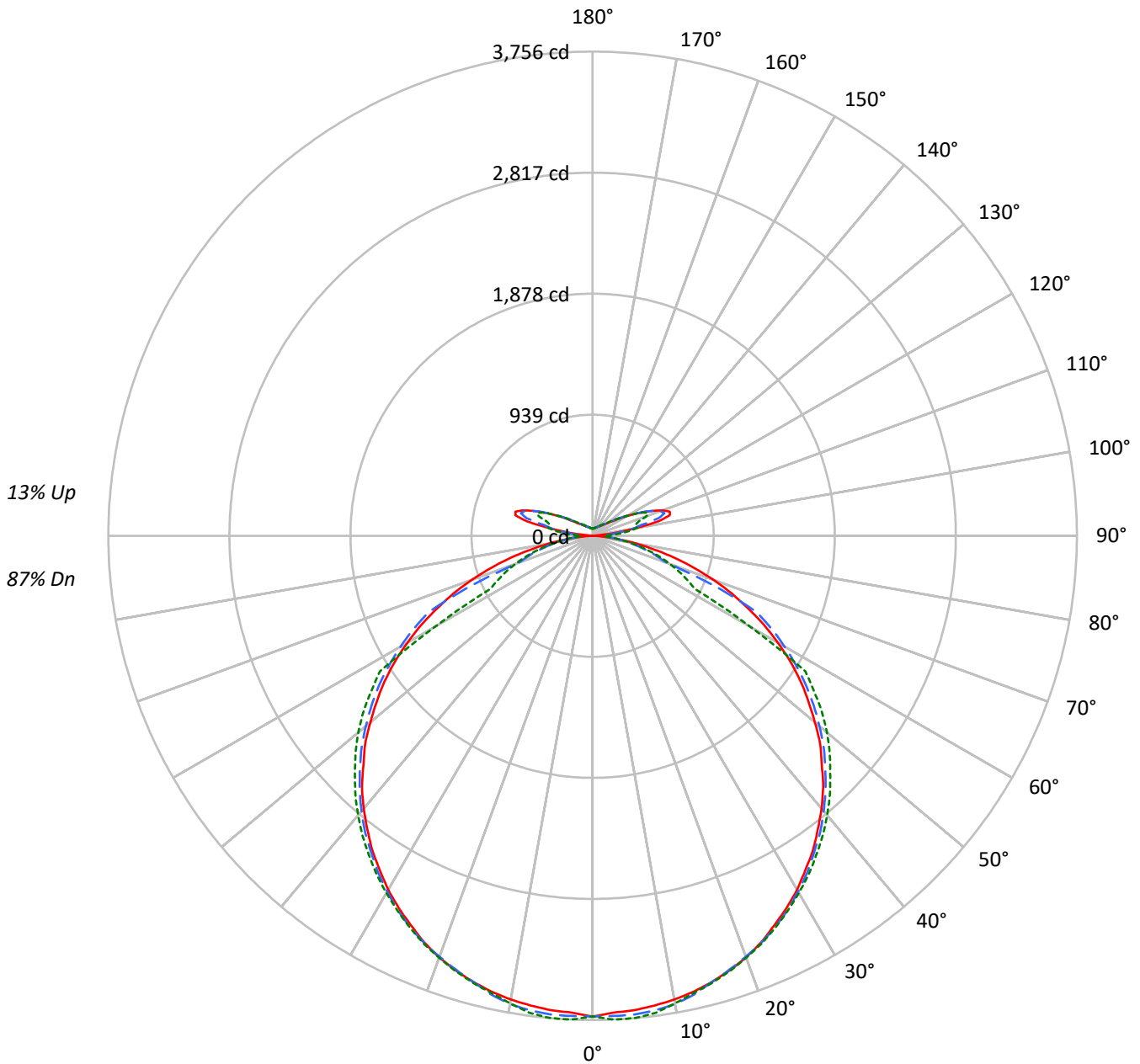
Lumens per Lamp: N/A  
Luminaire Lumens: 11960.7 lumens  
Efficiency: N/A  
Efficacy: 145.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.1')  
CIE Type: Semi-Direct

Input Watts (W): 82.3  
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	0					
RCR																										
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87								
1	106	102	98	94	102	98	95	91	92	89	86	86	83	81	80	78	77	74								
2	97	89	83	77	93	86	80	75	81	76	72	75	71	68	71	67	65	62								
3	88	78	71	64	85	76	69	63	71	65	60	67	62	58	63	58	55	52								
4	81	69	61	55	78	67	59	53	63	57	51	59	54	49	56	51	47	45								
5	74	62	53	47	71	60	52	46	57	50	44	53	47	43	50	45	41	39								
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	34								
7	64	50	42	36	61	49	41	35	46	39	34	44	38	33	41	36	32	30								
8	59	46	38	32	57	45	37	31	42	35	31	40	34	30	38	33	29	27								
9	55	42	34	29	53	41	33	28	39	32	27	37	31	27	35	30	26	24								
10	52	39	31	26	50	38	30	26	36	29	25	34	28	24	32	27	23	22								

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

	0°	45°	90°
0°	12131	12131	12131
5°	11945	12068	12237
10°	11829	11972	12111
15°	11707	11750	12005
20°	11568	11610	11945
25°	11361	11494	11890
30°	11174	11322	11839
35°	10957	11124	11792
40°	10705	10930	11757
45°	10377	10675	11685
50°	10023	10388	11638
55°	9603	10034	11441
60°	9012	9536	8838
65°	8204	8908	5887
70°	7191	4506	5628
75°	5777	3976	5248
80°	3844	3198	4594
85°	1387	2365	3976



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.3	3.0
10°-20°	1014.3	8.5
20°-30°	1543.4	12.9
30°-40°	1876.5	15.7
40°-50°	1973.1	16.5
50°-60°	1801.7	15.1
60°-70°	1155.0	9.7
70°-80°	545.6	4.6
80°-90°	155.0	1.3
90°-100°	182.8	1.5
100°-110°	506.5	4.2
110°-120°	428.8	3.6
120°-130°	204.5	1.7
130°-140°	102.1	0.9
140°-150°	59.3	0.5
150°-160°	34.6	0.3
160°-170°	17.9	0.2
170°-180°	5.5	0.0
0°-30°	2912.0	24.3
0°-40°	4788.5	40.0
0°-60°	8563.2	71.6
0°-90°	10418.8	87.1
90°-120°	1118.0	9.3
90°-150°	1483.9	12.4
90°-180°	1542.0	12.9
0°-180°	11960.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3729	3729	3729	3729	3729	
5°	3694	3709	3728	3748	3756	351
15°	3582	3609	3582	3587	3590	1011
25°	3334	3339	3351	3356	3353	1538
35°	2980	2962	2996	3033	3024	1862
45°	2513	2509	2551	2611	2607	1942
55°	1969	1954	2020	2088	2093	1756
65°	1327	1327	1404	805	808	1316
75°	656	668	434	457	459	691
85°	86	109	135	147	139	127
90°	3	58	88	109	112	6
95°	34	87	151	197	217	101
105°	621	619	532	378	349	589
115°	431	437	438	431	426	434
125°	208	218	224	223	222	196
135°	123	126	130	132	132	98
145°	90	92	94	95	95	57
155°	72	73	74	75	75	34
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°	3728.8	3728.8	3728.8	3728.8	3728.8
2.5°	3702.7	3715.2	3728.8	3746.5	3756.2
5°	3694.2	3708.6	3727.5	3747.8	3755.7
7.5°	3675.8	3696.1	3714.4	3728.8	3733.4
10°	3652.9	3677.2	3687.7	3686.3	3683.1
12.5°	3622.2	3647.8	3644.5	3629.3	3632.0
15°	3582.2	3609.1	3581.7	3586.8	3589.5
17.5°	3535.2	3561.3	3529.3	3539.8	3540.4
20°	3480.3	3499.8	3475.0	3483.5	3483.5
22.5°	3414.2	3427.8	3417.4	3423.2	3424.6
25°	3333.7	3338.8	3350.6	3355.9	3353.2
27.5°	3256.5	3249.9	3272.8	3285.3	3278.7
30°	3170.8	3160.3	3187.1	3207.3	3199.5
32.5°	3072.6	3066.1	3096.8	3121.0	3116.4
35°	2979.7	2962.0	2996.0	3032.7	3024.2
37.5°	2869.8	2859.2	2897.8	2936.5	2931.9
40°	2762.4	2744.8	2788.6	2834.4	2829.8
42.5°	2647.3	2626.3	2674.1	2729.1	2723.8
45°	2513.1	2508.6	2551.1	2611.2	2606.8
47.5°	2394.1	2371.2	2430.7	2488.9	2494.2
50°	2250.1	2241.7	2295.9	2366.6	2371.8
52.5°	2109.5	2103.6	2160.4	2231.8	2240.9
55°	1969.4	1954.3	2020.5	2087.8	2093.2
57.5°	1819.7	1803.9	1871.3	1944.6	1955.7
60°	1659.2	1644.2	1718.2	1786.2	1420.5
62.5°	1499.0	1488.5	1565.8	1109.1	893.8
65°	1326.9	1326.9	1404.1	805.4	808.1
67.5°	1166.0	1155.5	1046.9	723.6	723.6
70°	993.3	997.2	603.2	634.1	634.7
72.5°	819.8	834.2	520.8	545.7	547.0
75°	655.6	668.1	433.8	456.8	458.7
77.5°	481.6	370.3	348.8	366.4	367.1
80°	338.2	233.6	267.0	283.9	282.0
82.5°	197.6	163.6	195.6	208.1	207.4
85°	85.7	108.6	135.4	146.6	138.7
87.5°	27.4	67.4	84.3	90.9	90.2
90°	3.3	57.5	88.5	108.8	111.7
92.5°	10.8	56.2	98.2	128.8	136.1
95°	33.6	87.3	150.8	197.4	217.4
97.5°	163.8	191.2	229.1	280.8	295.4
100°	336.3	362.8	315.3	341.8	347.6
102.5°	527.4	532.5	390.8	362.6	358.2
105°	620.8	618.8	532.2	378.0	349.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	505.6	510.2	502.2	486.9	461.4
115°	430.8	437.1	438.2	431.2	426.4
117.5°	364.2	366.7	368.3	366.7	367.5
120°	304.2	310.0	313.3	310.8	309.2
122.5°	254.2	261.7	265.8	263.3	261.7
125°	208.3	218.3	224.2	223.3	221.7
127.5°	176.7	184.2	191.7	190.8	189.2
130°	153.3	159.2	164.2	165.0	165.8
132.5°	137.5	140.0	145.0	145.8	147.5
135°	123.3	125.8	130.0	131.7	132.5
137.5°	112.5	115.0	118.3	120.0	120.8
140°	103.3	105.8	108.3	110.0	110.8
142.5°	95.8	98.3	100.8	101.7	102.5
145°	90.0	91.7	94.2	95.0	95.0
147.5°	84.2	85.8	87.5	89.2	89.2
150°	79.2	80.8	82.5	83.3	84.2
152.5°	75.8	76.7	78.3	79.2	79.2
155°	71.7	73.3	74.2	75.0	75.0
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°	626.6	629.8	584.2	452.6	376.1
110°	574.8	583.4	560.3	507.8	445.6



(END OF REPORT)