

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: P827965

Luminaire Tested: **OHBL-12SE-W-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P827965  
REPORT IS A COMBINATION OF REPORTS P826058 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-12SE-W-UNV-L935-CD-UPL12  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

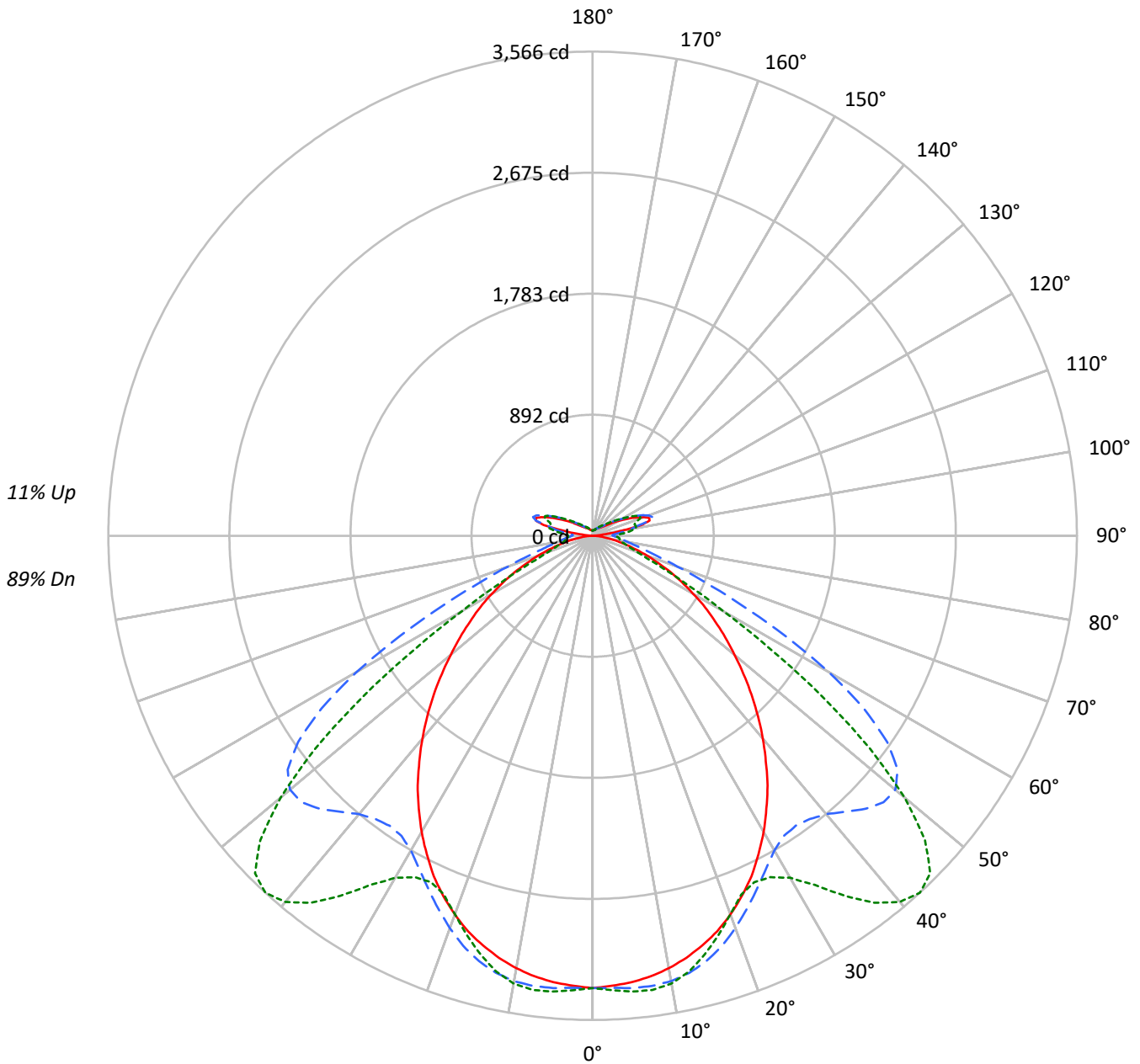
Lumens per Lamp: N/A  
Luminaire Lumens: 11012.8 lumens  
Efficiency: N/A  
Efficacy: 140.5 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 78.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P827965

CATALOG NUMBER: OHBL-12SE-W-UNV-L935-CD-UPL12

### Luminous Intensity Polar Plot





TEST NUMBER: P827965

CATALOG NUMBER: OHBL-12SE-W-UNV-L935-CD-UPL12

**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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	107	102	98	94	103	99	95	92	92	89	87	87	84	82	81	79	78	75																			
2	97	89	83	77	94	86	81	76	81	76	72	76	72	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53																			
4	81	69	61	54	78	67	60	54	64	57	52	60	54	50	56	52	48	45																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34																			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30																			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21																			

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

	0°	45°	90°
0°	10838	10838	10838
5°	10602	10763	10962
10°	10338	10688	10975
15°	10008	10453	10623
20°	9609	10037	10103
25°	9123	9549	9900
30°	8526	9172	10653
35°	7871	9279	12466
40°	7140	9976	14412
45°	6391	11224	15491
50°	5627	12295	14416
55°	4910	12146	11015
60°	4192	10140	6735
65°	3453	6885	4080
70°	2657	4354	2946
75°	1869	3025	2731
80°	1184	2532	3081
85°	633	2557	4870



TEST NUMBER: P827965

CATALOG NUMBER: OHBL-12SE-W-UNV-L935-CD-UPL12

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.4	2.9
10°-20°	901.5	8.2
20°-30°	1319.2	12.0
30°-40°	1713.2	15.6
40°-50°	2092.1	19.0
50°-60°	1842.4	16.7
60°-70°	960.1	8.7
70°-80°	411.7	3.7
80°-90°	200.3	1.8
90°-100°	192.0	1.7
100°-110°	402.7	3.7
110°-120°	330.4	3.0
120°-130°	160.5	1.5
130°-140°	80.4	0.7
140°-150°	45.8	0.4
150°-160°	25.7	0.2
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	2539.0	23.1
0°-40°	4252.3	38.6
0°-60°	8186.8	74.3
0°-90°	9758.9	88.6
90°-120°	925.1	8.4
90°-150°	1211.8	11.0
90°-180°	1254.0	11.4
0°-180°	11012.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3332	3332	3332	3332	3332	
5°	3301	3326	3344	3373	3370	313
15°	3123	3211	3242	3217	3191	879
25°	2767	2915	2866	2812	2815	1270
35°	2246	2483	2608	3041	3236	1400
45°	1654	2081	2844	3444	3516	1275
55°	1101	1823	2649	2322	2064	988
65°	632	1263	1213	674	580	625
75°	254	591	390	267	253	277
85°	54	211	198	194	196	60
90°	3	91	151	175	182	5
95°	22	93	176	219	237	69
105°	434	451	431	339	319	411
115°	304	314	342	349	346	304
125°	152	160	180	186	187	141
135°	89	92	102	111	112	71
145°	68	68	70	75	77	43
155°	56	57	56	57	57	25
165°	43	43	44	44	44	12
175°	39	39	39	39	39	4
180°	38	38	38	38	38	



TEST NUMBER: P827965

CATALOG NUMBER: OHBL-12SE-W-UNV-L935-CD-UPL12

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3331.5	3331.5	3331.5	3331.5	3331.5
2.5°	3317.1	3331.5	3332.2	3352.3	3350.2
5°	3300.6	3325.8	3343.7	3373.2	3369.6
7.5°	3273.2	3312.8	3344.4	3376.8	3373.8
10°	3234.4	3288.3	3330.0	3356.6	3348.0
12.5°	3184.1	3255.3	3296.2	3302.0	3285.5
15°	3123.0	3210.8	3241.6	3217.2	3191.3
17.5°	3054.0	3156.8	3167.6	3114.4	3082.1
20°	2967.8	3084.9	3074.2	3000.8	2964.9
22.5°	2872.2	3005.8	2971.3	2894.5	2860.0
25°	2767.2	2915.3	2865.8	2811.8	2814.7
27.5°	2644.3	2812.5	2764.3	2788.8	2834.8
30°	2519.2	2704.7	2675.3	2817.6	2908.1
32.5°	2382.0	2594.0	2620.6	2901.7	3049.8
35°	2246.2	2483.3	2607.7	3041.1	3235.8
37.5°	2095.9	2371.2	2628.5	3202.1	3406.2
40°	1950.0	2261.9	2675.9	3346.6	3519.1
42.5°	1801.2	2164.2	2755.8	3432.1	3566.5
45°	1653.8	2080.8	2844.2	3443.6	3515.5
47.5°	1506.5	2010.4	2905.3	3352.3	3319.2
50°	1364.2	1947.8	2909.6	3133.1	2998.0
52.5°	1231.2	1890.3	2830.5	2783.8	2573.9
55°	1101.2	1822.8	2648.7	2322.3	2064.2
57.5°	982.6	1729.3	2368.3	1826.4	1544.6
60°	856.8	1602.8	2006.1	1336.2	1114.1
62.5°	741.1	1445.4	1600.0	930.1	800.7
65°	631.8	1262.8	1212.6	674.2	580.1
67.5°	516.1	1073.8	894.8	491.7	431.2
70°	425.5	898.4	666.3	382.4	347.2
72.5°	332.8	731.7	498.1	310.5	291.1
75°	254.4	590.8	389.6	266.7	253.0
77.5°	187.6	467.2	313.4	235.8	222.8
80°	131.5	368.0	262.3	210.6	205.6
82.5°	88.4	284.7	223.5	200.5	201.2
85°	53.9	210.6	198.4	194.1	196.2
87.5°	25.9	149.5	170.3	176.8	179.0
90°	3.2	91.2	150.8	175.3	182.2
92.5°	7.5	77.4	146.7	178.7	186.4
95°	22.2	92.9	175.9	218.8	237.4
97.5°	113.9	159.2	231.8	275.5	285.9
100°	232.2	279.2	289.3	316.3	322.7
102.5°	368.0	388.8	338.1	328.9	326.2
105°	433.8	451.0	430.9	338.8	319.3



TEST NUMBER: P827965

CATALOG NUMBER: OHBL-12SE-W-UNV-L935-CD-UPL12

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	352.7	368.1	395.8	392.5	379.8
115°	304.3	314.4	342.5	349.3	345.8
117.5°	256.7	267.9	294.2	300.2	299.3
120°	215.8	226.6	249.2	254.4	255.2
122.5°	182.5	190.3	212.2	217.6	219.2
125°	151.7	159.7	180.3	185.8	187.3
127.5°	126.8	132.5	154.2	160.5	161.2
130°	111.0	114.3	131.4	139.4	140.9
132.5°	99.3	101.8	115.3	123.3	125.5
135°	89.3	91.8	102.3	111.1	111.8
137.5°	82.7	84.3	91.8	99.8	102.2
140°	76.0	78.5	83.0	91.1	91.8
142.5°	71.7	72.7	76.5	83.1	84.6
145°	68.3	68.5	70.0	75.2	77.4
147.5°	64.1	65.0	66.7	69.6	71.2
150°	61.6	62.4	61.8	64.1	65.5
152.5°	58.3	59.1	58.5	59.3	60.8
155°	55.8	56.6	56.0	56.8	56.8
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°	436.9	457.3	461.2	383.4	331.5
110°	400.2	421.9	437.3	414.7	373.7



(END OF REPORT)