

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: P827955

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

Issue Date: 5/3/2024



**Test Information**

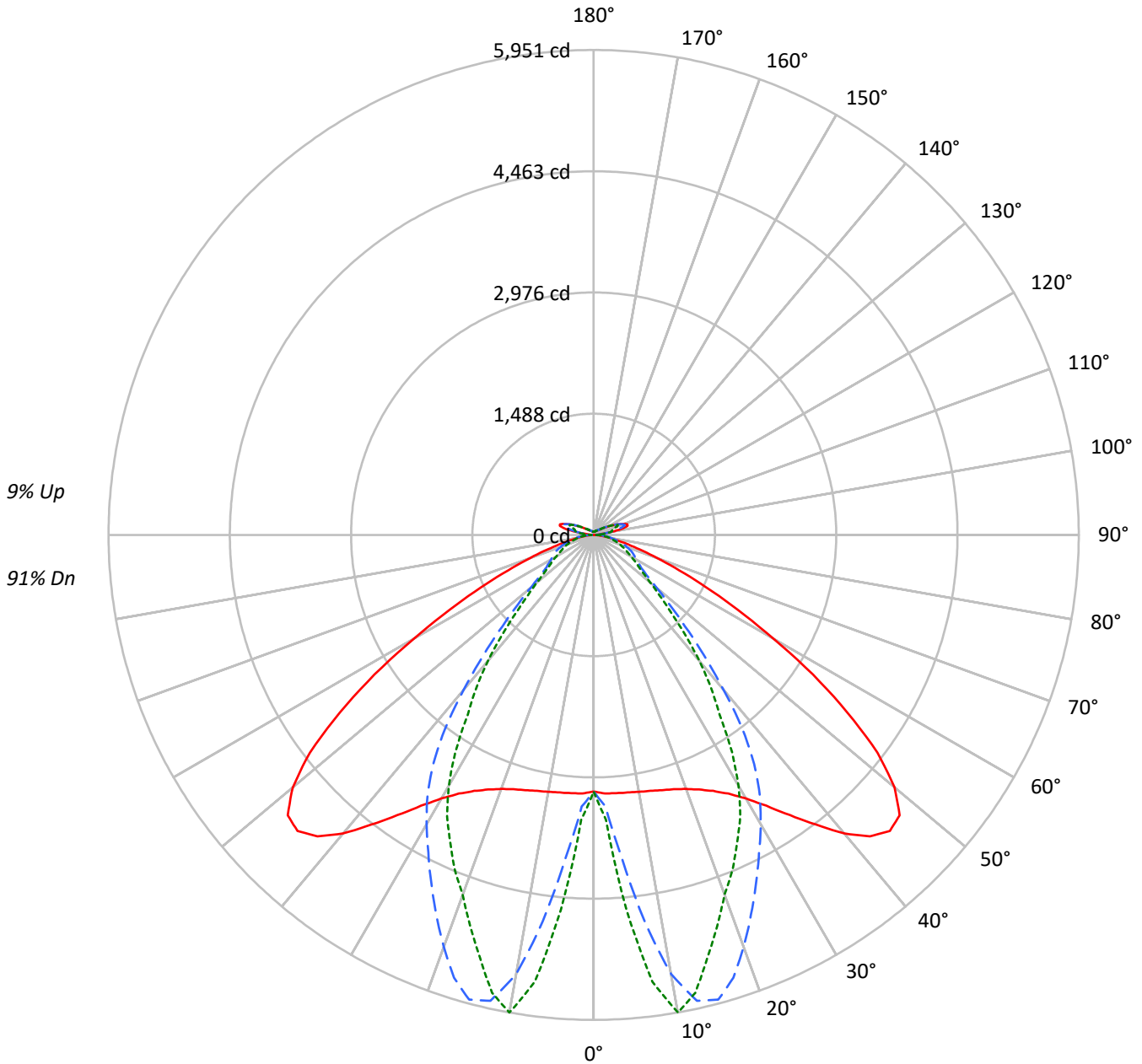
Test Method: LM-79-08  
Report Number: P827955  
REPORT IS A COMBINATION OF REPORTS P826053 AND G3-2310-221-12  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-12SE-A-UNV-L935-CD-UPL12  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11143.6 lumens  
Efficiency: N/A  
Efficacy: 142.1 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')  
CIE Type: 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: P827955  
CATALOG NUMBER: OHBL-12SE-A-UNV-L935-CD-UPL12

### Luminous Intensity Polar Plot





TEST NUMBER: P827955

CATALOG NUMBER: OHBL-12SE-A-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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	94	94	94	91																			
1	108	104	101	98	105	101	98	95	95	93	90	90	88	86	85	83	82	79																			
2	100	93	87	83	97	91	85	81	86	81	78	81	78	75	77	74	72	69																			
3	93	84	77	71	89	81	75	70	77	72	68	73	69	65	70	66	63	61																			
4	86	75	68	62	83	73	66	61	70	64	59	67	62	58	64	59	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	55	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	53	49	45	43																			
7	69	57	49	44	67	56	48	43	53	47	42	51	46	41	49	44	40	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	37	46	41	37	35																			
9	60	48	41	36	59	47	40	35	46	39	35	44	38	34	42	37	34	32																			
10	57	45	38	33	55	44	37	32	42	36	32	41	35	31	39	34	31	29																			

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

	0°	45°	90°
0°	10245	10245	10245
5°	10217	12815	15019
10°	10229	17571	19508
15°	10392	19035	17905
20°	10736	17563	16002
25°	11424	15702	14636
30°	12628	14051	13015
35°	14709	12216	10371
40°	17507	9236	8254
45°	19855	6241	5875
50°	19870	4241	4345
55°	16940	3301	3550
60°	12425	3048	3194
65°	8325	3008	3025
70°	5166	2838	2930
75°	2979	2546	2803
80°	1646	2134	2893
85°	708	1686	2681



TEST NUMBER: P827955

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	411.1	3.7
10°-20°	1451.1	13.0
20°-30°	2138.3	19.2
30°-40°	2247.0	20.2
40°-50°	1719.4	15.4
50°-60°	1038.2	9.3
60°-70°	633.6	5.7
70°-80°	345.8	3.1
80°-90°	124.0	1.1
90°-100°	99.1	0.9
100°-110°	344.9	3.1
110°-120°	296.3	2.7
120°-130°	142.0	1.3
130°-140°	71.0	0.6
140°-150°	41.3	0.4
150°-160°	24.1	0.2
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	4000.5	35.9
0°-40°	6247.5	56.1
0°-60°	9005.1	80.8
0°-90°	10108.5	90.7
90°-120°	740.3	6.6
90°-150°	994.7	8.9
90°-180°	1035.0	9.3
0°-180°	11143.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3149	3149	3149	3149	3149	
5°	3181	3413	3981	4445	4617	304
15°	3243	5051	5903	5508	5379	922
25°	3465	5862	4713	4267	4161	1620
35°	4198	4694	3433	2859	2692	2663
45°	5138	2679	1582	1392	1333	3882
55°	3799	908	720	667	665	3357
65°	1523	575	530	453	430	1561
75°	406	358	328	271	260	467
85°	60	111	131	119	108	75
90°	2	15	20	26	29	5
95°	21	48	72	97	112	68
105°	431	426	363	258	237	408
115°	300	300	301	298	293	300
125°	147	152	156	154	155	137
135°	85	88	91	92	92	68
145°	62	64	65	66	67	40
155°	50	51	52	52	52	23
165°	43	43	44	44	44	12
175°	39	39	39	39	39	4
180°	38	38	38	38	38	



TEST NUMBER: P827955

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3149.2	3149.2	3149.2	3149.2	3149.2
2.5°	3175.1	3207.4	3335.3	3467.8	3500.1
5°	3180.8	3412.6	3981.0	4445.2	4616.7
7.5°	3187.6	3744.9	4781.2	5349.4	5531.3
10°	3200.4	4165.2	5474.5	5882.4	5951.2
12.5°	3216.3	4610.4	5856.0	5841.1	5754.4
15°	3242.8	5050.8	5902.9	5508.3	5378.8
17.5°	3270.7	5423.4	5698.0	5146.2	5033.4
20°	3315.9	5700.0	5379.1	4824.3	4696.1
22.5°	3381.1	5852.1	5044.8	4533.1	4449.5
25°	3465.3	5861.9	4712.7	4266.6	4161.2
27.5°	3578.0	5725.9	4394.3	4005.6	3894.3
30°	3731.4	5465.6	4098.6	3690.8	3552.8
32.5°	3939.8	5090.8	3793.7	3310.8	3156.0
35°	4197.5	4694.3	3433.2	2859.2	2692.0
37.5°	4478.7	4254.1	2995.8	2459.3	2361.9
40°	4781.2	3800.4	2477.4	2085.1	2015.4
42.5°	5017.2	3307.2	1995.8	1732.8	1658.6
45°	5137.5	2678.6	1581.5	1391.7	1333.2
47.5°	5090.7	2079.2	1253.8	1105.8	1088.2
50°	4817.2	1535.3	1003.7	910.9	903.6
52.5°	4389.7	1144.3	829.1	771.7	759.1
55°	3799.3	908.3	719.9	667.3	665.2
57.5°	3189.9	771.7	653.5	612.7	598.5
60°	2539.8	688.1	603.1	557.1	528.3
62.5°	1990.8	629.6	566.1	503.6	476.8
65°	1523.2	575.0	529.7	453.2	430.1
67.5°	1135.5	523.0	485.1	400.2	386.8
70°	827.3	469.7	434.3	356.0	345.3
72.5°	589.6	416.5	383.5	314.4	302.7
75°	405.5	357.6	328.0	270.7	259.7
77.5°	273.6	297.5	273.3	231.1	226.5
80°	182.8	235.9	221.1	195.8	193.0
82.5°	110.8	171.2	174.5	159.2	151.5
85°	60.3	110.8	130.8	119.1	108.0
87.5°	23.7	61.4	90.1	80.9	76.2
90°	2.5	15.0	20.0	25.8	29.2
92.5°	7.5	19.2	31.7	45.0	49.2
95°	20.8	48.3	71.7	96.7	111.7
97.5°	112.5	122.5	138.3	163.3	171.7
100°	230.0	247.5	205.8	215.0	219.2
102.5°	365.8	360.8	263.3	238.3	234.2
105°	430.8	425.8	363.3	257.5	236.7



TEST NUMBER: P827955

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	348.3	350.8	348.3	335.0	320.8
115°	300.0	300.0	300.8	298.3	293.3
117.5°	251.7	255.0	257.5	255.0	253.3
120°	210.8	215.8	217.5	214.2	214.2
122.5°	177.5	181.7	184.2	181.7	182.5
125°	146.7	152.5	155.8	154.2	155.0
127.5°	122.5	127.5	133.3	132.5	132.5
130°	106.7	110.0	114.2	115.0	115.0
132.5°	95.0	97.5	100.8	101.7	102.5
135°	85.0	87.5	90.8	91.7	91.7
137.5°	78.3	80.0	82.5	83.3	84.2
140°	71.7	74.2	75.8	76.7	76.7
142.5°	66.7	68.3	70.0	70.8	71.7
145°	62.5	64.2	65.0	65.8	66.7
147.5°	58.3	60.0	61.7	61.7	62.5
150°	55.8	56.7	57.5	58.3	58.3
152.5°	52.5	53.3	54.2	55.0	55.0
155°	50.0	50.8	51.7	52.5	52.5
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°	433.3	435.0	400.8	310.8	257.5
110°	396.7	402.5	384.2	350.0	307.5



(END OF REPORT)