

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: P827963

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827963
REPORT IS A COMBINATION OF REPORTS P826057 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-NL-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

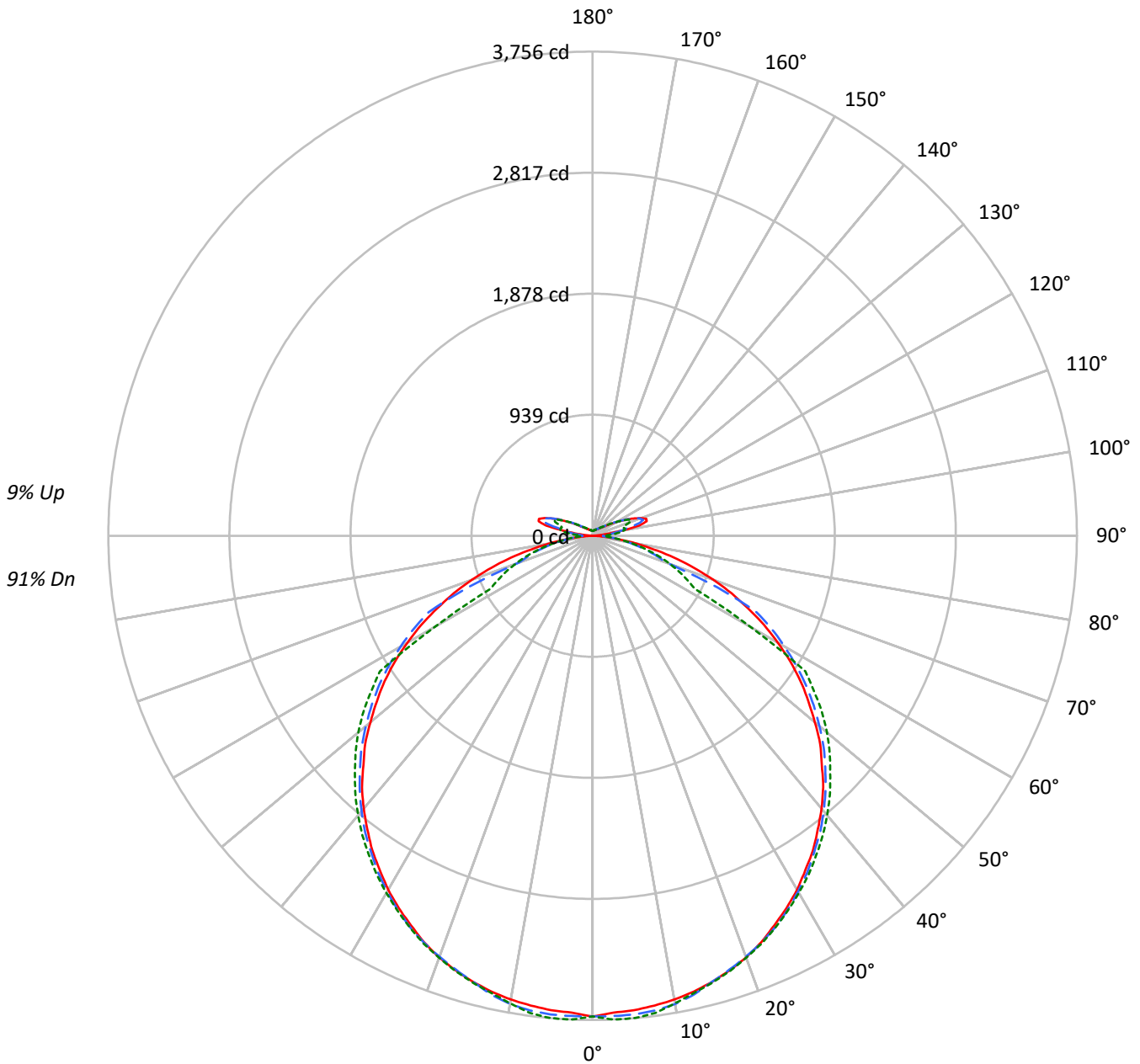
Lumens per Lamp: N/A
Luminaire Lumens: 11506.9 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.1')
CIE Type: Direct

Input Watts (W): 78.4
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

TEST NUMBER: P827963

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

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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91																			
1	107	103	99	95	103	99	96	92	93	90	88	88	86	83	83	81	79	77																			
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	64																			
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	54																			
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	47																			
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	40																			
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	35																			
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	31																			
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	28																			
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	25																			
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	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	3.1
10°-20°	1014.3	8.8
20°-30°	1543.4	13.4
30°-40°	1876.5	16.3
40°-50°	1973.1	17.1
50°-60°	1801.7	15.7
60°-70°	1155.0	10.0
70°-80°	545.6	4.7
80°-90°	153.9	1.3
90°-100°	139.2	1.2
100°-110°	355.9	3.1
110°-120°	299.3	2.6
120°-130°	142.0	1.2
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°	2912.0	25.3
0°-40°	4788.5	41.6
0°-60°	8563.2	74.4
0°-90°	10417.7	90.5
90°-120°	794.4	6.9
90°-150°	1048.8	9.1
90°-180°	1089.0	9.5
0°-180°	11506.9	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°	2	52	80	97	99	5
95°	23	67	115	155	170	70
105°	434	433	374	268	246	411
115°	303	305	307	303	294	302
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: P827963

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

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°	2.5	51.7	80.2	97.1	99.2
92.5°	7.5	47.9	84.0	110.5	115.3
95°	22.8	67.3	114.9	154.9	169.9
97.5°	113.8	136.2	169.1	209.1	218.8
100°	231.3	258.6	226.2	247.7	252.6
102.5°	369.1	370.0	275.8	259.3	255.8
105°	434.1	433.0	373.8	268.0	246.5



TEST NUMBER: P827963

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	352.2	356.1	355.5	340.2	321.4
115°	303.2	304.6	307.3	302.9	293.9
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°	436.6	441.5	410.0	316.8	259.4
110°	400.6	408.4	392.0	355.2	308.1



(END OF REPORT)