

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: P827966

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827966
REPORT IS A COMBINATION OF REPORTS P826154 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-W-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

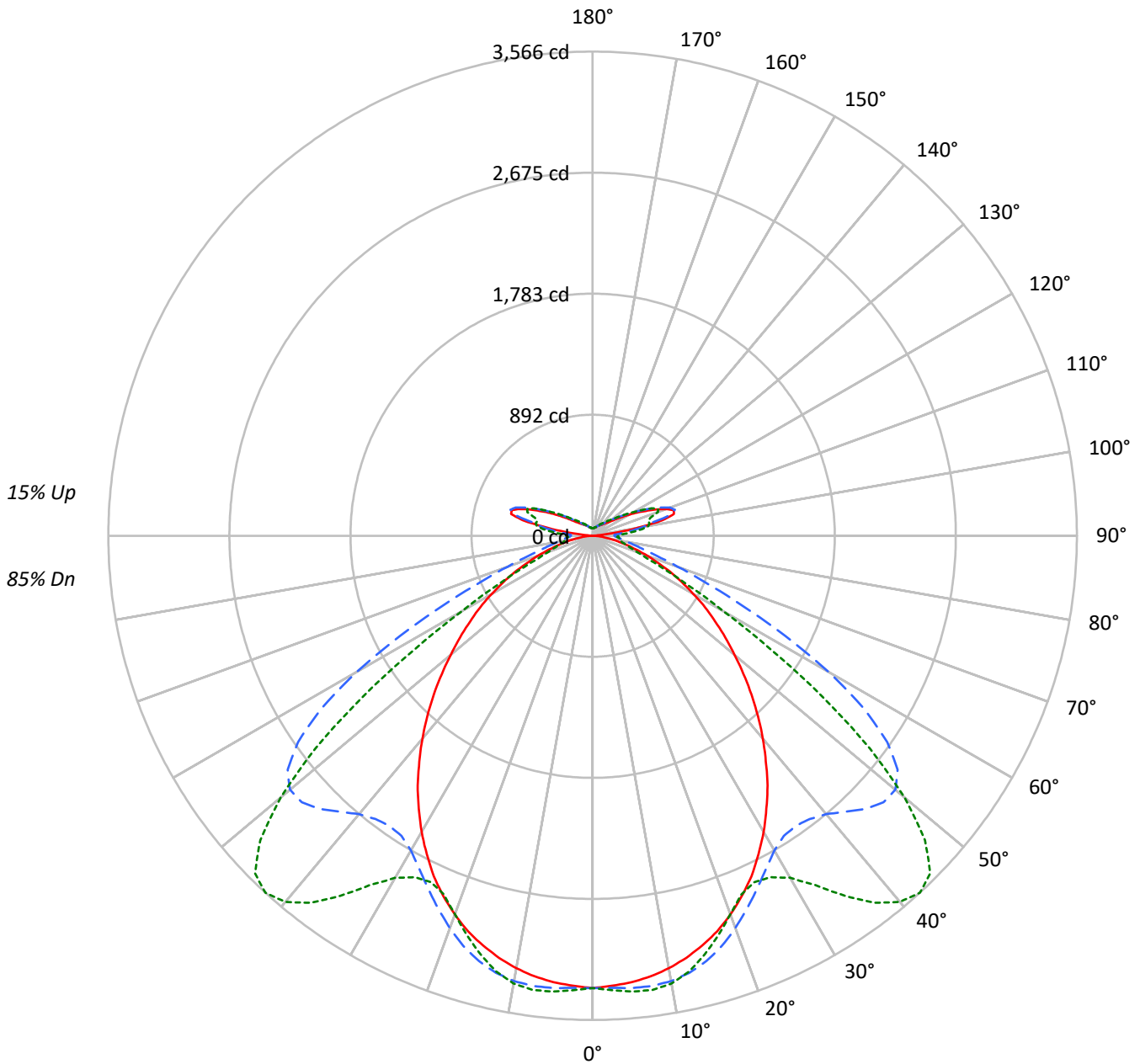
Lumens per Lamp: N/A
Luminaire Lumens: 11466.6 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 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									
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	111	111	111	111	103	103	103	95	95	95	88	88	88	85																			
1	106	101	97	94	102	98	94	91	91	88	85	84	82	80	78	77	75	72																			
2	96	89	82	77	93	86	80	75	80	75	71	74	70	67	69	66	63	60																			
3	88	78	70	64	84	75	68	62	70	64	59	66	61	57	61	57	54	51																			
4	80	69	60	54	77	67	59	53	62	56	51	58	53	48	54	50	46	44																			
5	74	61	53	46	71	59	51	45	56	49	44	52	46	42	49	44	40	38																			
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	33																			
7	63	50	41	35	60	48	40	35	45	38	33	43	37	32	40	35	31	29																			
8	58	45	37	31	56	44	36	31	41	34	30	39	33	28	37	31	27	25																			
9	54	41	33	28	52	40	33	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	31	26	22	20																			

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.4	2.8
10°-20°	901.5	7.9
20°-30°	1319.2	11.5
30°-40°	1713.2	14.9
40°-50°	2092.1	18.2
50°-60°	1842.4	16.1
60°-70°	960.1	8.4
70°-80°	411.7	3.6
80°-90°	201.5	1.8
90°-100°	235.6	2.1
100°-110°	553.3	4.8
110°-120°	459.9	4.0
120°-130°	223.0	1.9
130°-140°	111.4	1.0
140°-150°	63.8	0.6
150°-160°	36.2	0.3
160°-170°	17.9	0.2
170°-180°	5.5	0.0
0°-30°	2539.0	22.1
0°-40°	4252.3	37.1
0°-60°	8186.8	71.4
0°-90°	9760.1	85.1
90°-120°	1248.7	10.9
90°-150°	1647.0	14.4
90°-180°	1707.0	14.9
0°-180°	11466.6	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°	4	97	159	187	195	6
95°	33	113	212	261	285	101
105°	620	637	589	449	422	589
115°	432	447	473	478	478	436
125°	213	226	249	255	254	200
135°	128	130	142	151	153	101
145°	96	96	99	104	106	60
155°	77	79	78	79	79	35
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°	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°	4.1	97.0	159.2	187.0	194.8
92.5°	10.8	85.8	160.8	197.0	207.2
95°	33.1	112.9	211.8	261.3	284.9
97.5°	163.9	214.2	291.8	347.2	362.6
100°	337.2	383.3	378.4	410.5	417.7
102.5°	526.3	551.3	453.1	432.3	428.7
105°	620.4	636.8	589.2	448.8	421.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	506.0	522.3	542.4	539.2	519.8
115°	431.8	446.9	473.3	477.7	478.3
117.5°	369.2	379.6	405.0	411.9	413.5
120°	309.2	320.8	345.0	351.1	350.2
122.5°	259.2	270.3	293.8	299.3	298.3
125°	213.3	225.5	248.6	255.0	254.0
127.5°	181.0	189.2	212.5	218.8	217.9
130°	157.7	163.5	181.4	189.4	191.8
132.5°	141.8	144.3	159.4	167.4	170.5
135°	127.7	130.2	141.5	151.1	152.7
137.5°	116.8	119.3	127.7	136.5	138.8
140°	107.7	110.2	115.5	124.4	125.9
142.5°	100.8	102.7	107.3	113.9	115.4
145°	95.8	96.0	99.2	104.3	105.8
147.5°	89.9	90.8	92.5	97.1	97.8
150°	84.9	86.6	86.8	89.1	91.3
152.5°	81.6	82.4	82.7	83.5	84.9
155°	77.4	79.1	78.5	79.3	79.3
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°	626.9	645.6	635.4	519.2	448.2
110°	574.4	596.9	605.7	567.2	511.2



(END OF REPORT)