

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: P827684

Luminaire Tested: **OHBL-15SE-MFL-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827684
REPORT IS A COMBINATION OF REPORTS P826223 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-MFL-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

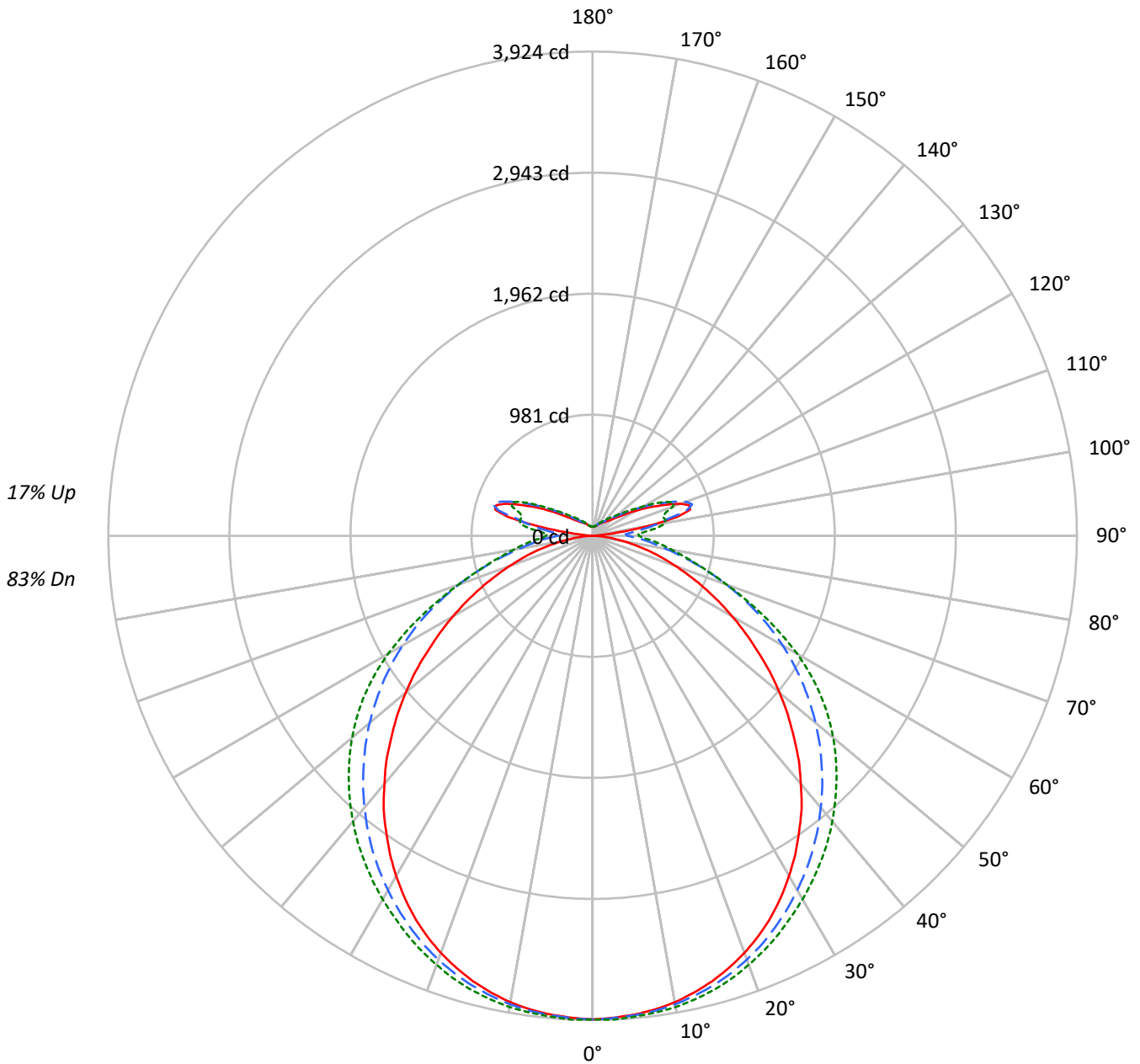
Lumens per Lamp: N/A
Luminaire Lumens: 13689.4 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 104.4
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

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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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	83																			
1	104	100	95	91	100	96	92	88	88	85	82	81	79	77	75	73	72	68																			
2	95	87	80	74	91	83	77	72	77	72	68	71	67	64	66	63	60	57																			
3	86	76	68	61	82	73	66	60	68	62	57	63	58	53	58	54	50	48																			
4	79	67	59	52	75	65	57	51	60	53	48	56	50	46	52	47	43	41																			
5	73	60	51	45	69	58	50	44	54	47	42	50	44	40	47	42	38	35																			
6	67	54	45	39	64	52	44	38	49	41	36	45	39	35	42	37	33	31																			
7	62	49	40	34	59	47	39	33	44	37	32	41	35	31	38	33	29	27																			
8	58	44	36	30	55	43	35	30	40	33	29	38	32	27	35	30	26	24																			
9	54	41	33	27	52	39	32	27	37	30	26	35	29	25	33	27	24	22																			
10	50	37	30	25	48	36	29	24	34	28	23	32	26	22	30	25	21	20																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12754	12754	12754
5°	12513	12558	12726
10°	12269	12373	12713
15°	11979	12169	12679
20°	11646	11935	12606
25°	11254	11662	12534
30°	10774	11371	12464
35°	10227	11065	12416
40°	9605	10720	12378
45°	8903	10348	12316
50°	8153	9966	12236
55°	7277	9512	12047
60°	6389	8986	11571
65°	5443	8335	10716
70°	4445	7529	9801
75°	3447	6599	9321
80°	2307	5798	9763
85°	1150	5491	12241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.5	2.7
10°-20°	1065.7	7.8
20°-30°	1611.7	11.8
30°-40°	1934.9	14.1
40°-50°	1998.4	14.6
50°-60°	1797.9	13.1
60°-70°	1354.3	9.9
70°-80°	817.8	6.0
80°-90°	405.0	3.0
90°-100°	355.8	2.6
100°-110°	746.7	5.5
110°-120°	614.5	4.5
120°-130°	299.7	2.2
130°-140°	150.8	1.1
140°-150°	85.8	0.6
150°-160°	48.3	0.4
160°-170°	23.5	0.2
170°-180°	7.1	0.1
0°-30°	3048.9	22.3
0°-40°	4983.7	36.4
0°-60°	8780.1	64.1
0°-90°	11357.2	83.0
90°-120°	1717.0	12.5
90°-150°	2253.3	16.5
90°-180°	2332.0	17.0
0°-180°	13689.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3920	3920	3920	3920	3920	
5°	3895	3906	3901	3916	3912	370
15°	3738	3756	3774	3805	3809	1054
25°	3414	3451	3500	3555	3564	1570
35°	2919	2987	3110	3204	3223	1825
45°	2304	2420	2622	2765	2795	1778
55°	1632	1801	2074	2231	2258	1463
65°	996	1199	1468	1541	1524	989
75°	469	674	850	872	864	501
85°	98	258	426	484	493	113
90°	4	128	282	357	375	9
95°	48	158	321	416	449	137
105°	818	841	788	624	590	776
115°	567	587	630	651	650	572
125°	281	298	333	349	350	263
135°	168	174	191	207	212	133
145°	127	129	132	141	145	80
155°	103	106	107	106	107	47
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3920.3	3920.3	3920.3	3920.3	3920.3
2.5°	3908.9	3918.4	3912.7	3925.2	3924.2
5°	3895.4	3905.9	3901.2	3916.5	3911.7
7.5°	3872.4	3883.9	3882.9	3900.2	3898.3
10°	3838.8	3851.3	3855.1	3878.1	3878.1
12.5°	3792.8	3809.0	3818.6	3846.5	3847.4
15°	3738.1	3756.3	3773.5	3805.2	3809.0
17.5°	3671.9	3694.9	3718.9	3755.4	3760.1
20°	3597.0	3623.0	3655.5	3693.9	3699.7
22.5°	3510.7	3541.4	3583.6	3628.7	3635.4
25°	3413.8	3451.2	3500.1	3554.8	3563.5
27.5°	3303.4	3346.6	3412.8	3474.2	3481.9
30°	3183.5	3234.3	3316.8	3389.7	3402.3
32.5°	3056.9	3115.4	3217.1	3298.6	3315.9
35°	2918.6	2986.8	3109.6	3203.7	3222.8
37.5°	2782.4	2857.3	2996.4	3103.8	3126.9
40°	2623.2	2716.2	2875.5	2994.5	3022.3
42.5°	2473.5	2574.2	2754.6	2884.1	2911.0
45°	2303.7	2419.7	2622.2	2765.1	2794.9
47.5°	2144.4	2270.1	2494.6	2642.4	2673.1
50°	1976.5	2114.7	2358.4	2512.9	2544.5
52.5°	1808.6	1957.3	2217.3	2377.6	2407.3
55°	1632.0	1800.9	2074.3	2230.8	2257.6
57.5°	1468.0	1646.4	1927.6	2076.3	2092.6
60°	1305.9	1491.0	1777.8	1908.4	1914.1
62.5°	1147.5	1342.3	1624.3	1728.0	1720.3
65°	995.9	1199.3	1468.0	1540.9	1523.6
67.5°	850.0	1060.2	1307.7	1354.8	1331.7
70°	711.9	924.9	1152.3	1176.3	1155.2
72.5°	590.1	796.4	995.0	1015.1	999.7
75°	469.2	673.5	850.0	872.1	863.5
77.5°	356.0	554.6	716.7	745.5	747.4
80°	256.2	446.1	600.6	645.7	651.4
82.5°	168.9	346.4	503.8	561.3	570.0
85°	97.9	258.1	426.0	484.5	493.2
87.5°	42.2	186.2	342.5	395.3	405.9
90°	4.0	128.2	281.7	357.1	375.3
92.5°	16.7	119.9	267.4	349.2	370.2
95°	47.6	157.9	321.3	416.5	449.4
97.5°	223.2	292.8	411.3	508.8	544.1
100°	451.9	523.6	519.5	581.7	596.6
102.5°	695.2	729.6	619.5	603.3	603.5
105°	817.5	841.2	787.8	624.0	590.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	660.8	688.7	722.8	729.2	707.1
115°	567.0	587.1	630.3	650.7	649.7
117.5°	487.2	498.5	540.1	560.4	564.1
120°	404.7	421.3	463.1	478.2	477.2
122.5°	340.9	355.3	391.9	408.5	406.5
125°	280.9	298.4	332.8	349.2	349.7
127.5°	237.9	250.3	283.3	301.4	303.5
130°	208.0	215.4	244.6	261.7	265.4
132.5°	185.4	192.9	214.0	232.6	235.5
135°	168.4	173.5	190.7	206.7	212.2
137.5°	154.6	159.0	171.5	187.4	191.2
140°	143.5	147.7	156.5	169.7	174.3
142.5°	133.9	137.2	142.3	154.5	157.4
145°	126.8	129.1	132.5	141.0	144.6
147.5°	119.6	122.8	124.4	129.8	132.7
150°	113.9	116.5	117.9	119.7	123.4
152.5°	108.2	110.8	112.3	112.1	114.1
155°	103.4	106.0	106.6	106.5	107.4
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	820.7	851.7	847.2	712.1	618.3
110°	757.7	788.9	804.4	769.0	694.5



(END OF REPORT)