

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: P827666

Luminaire Tested: **OHBL-12SE-W-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P827666
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-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

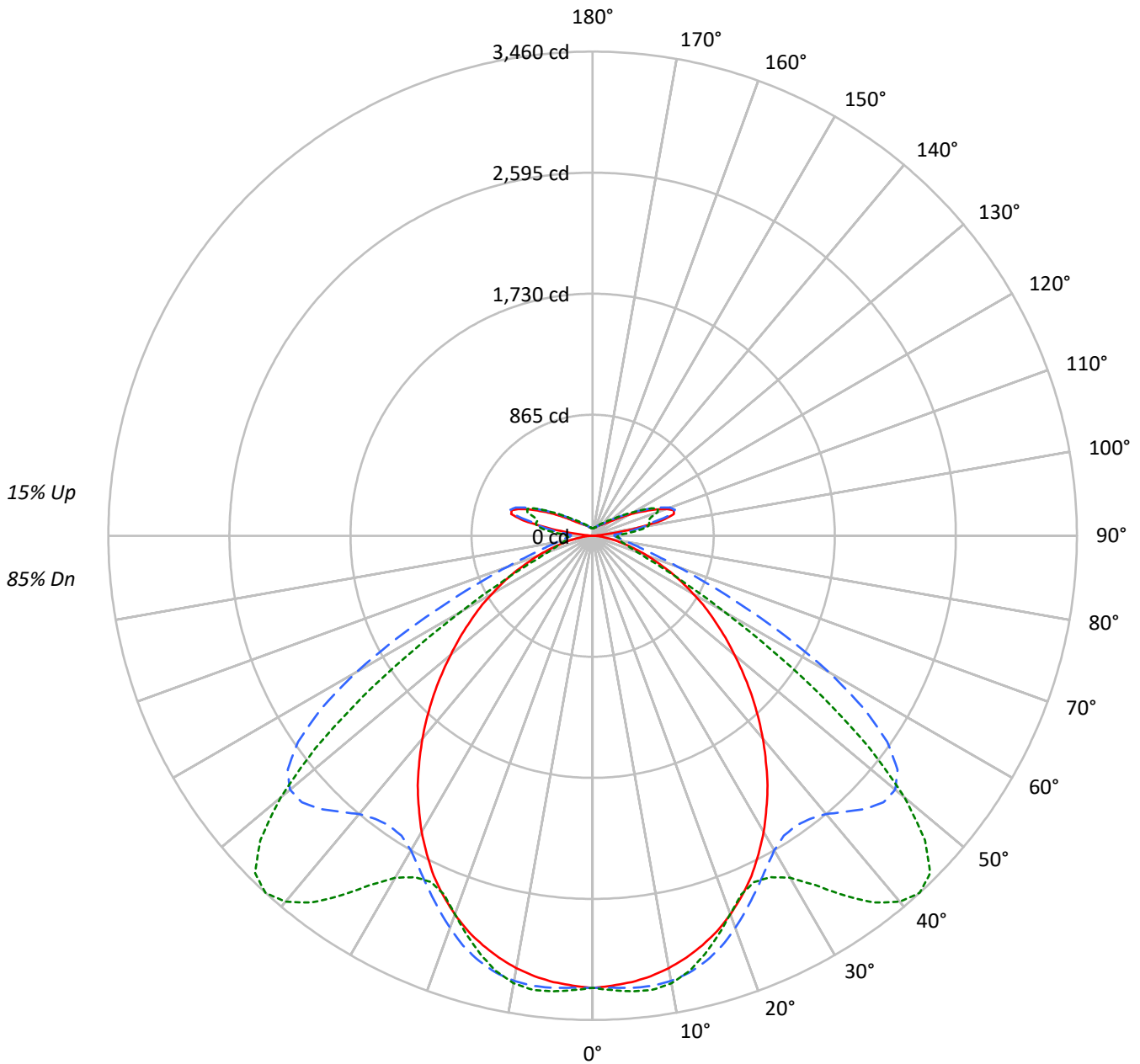
Lumens per Lamp: N/A
Luminaire Lumens: 11122.6 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

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°	10513	10513	10513
5°	10284	10441	10633
10°	10028	10367	10646
15°	9707	10140	10305
20°	9320	9736	9800
25°	8849	9262	9603
30°	8270	8896	10334
35°	7635	9000	12093
40°	6926	9676	13980
45°	6200	10887	15027
50°	5458	11927	13984
55°	4762	11781	10684
60°	4065	9835	6533
65°	3350	6679	3958
70°	2577	4223	2858
75°	1813	2934	2649
80°	1149	2457	2989
85°	614	2481	4726



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.8	2.8
10°-20°	874.5	7.9
20°-30°	1279.6	11.5
30°-40°	1661.8	14.9
40°-50°	2029.3	18.2
50°-60°	1787.1	16.1
60°-70°	931.3	8.4
70°-80°	399.4	3.6
80°-90°	195.4	1.8
90°-100°	228.5	2.1
100°-110°	536.7	4.8
110°-120°	446.1	4.0
120°-130°	216.3	1.9
130°-140°	108.1	1.0
140°-150°	61.9	0.6
150°-160°	35.1	0.3
160°-170°	17.4	0.2
170°-180°	5.3	0.0
0°-30°	2462.9	22.1
0°-40°	4124.7	37.1
0°-60°	7941.2	71.4
0°-90°	9467.3	85.1
90°-120°	1211.3	10.9
90°-150°	1597.6	14.4
90°-180°	1655.0	14.9
0°-180°	11122.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3232	3232	3232	3232	3232	
5°	3202	3226	3243	3272	3268	304
15°	3029	3114	3144	3121	3096	853
25°	2684	2828	2780	2728	2730	1232
35°	2179	2409	2529	2950	3139	1358
45°	1604	2018	2759	3340	3410	1237
55°	1068	1768	2569	2253	2002	959
65°	613	1225	1176	654	563	606
75°	247	573	378	259	245	269
85°	52	204	192	188	190	58
90°	4	94	154	181	189	6
95°	32	110	205	254	276	98
105°	602	618	572	435	409	571
115°	419	434	459	463	464	423
125°	207	219	241	247	246	194
135°	124	126	137	147	148	98
145°	93	93	96	101	103	59
155°	75	77	76	77	77	34
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3231.6	3231.6	3231.6	3231.6	3231.6
2.5°	3217.6	3231.6	3232.2	3251.8	3249.7
5°	3201.6	3226.0	3243.4	3272.0	3268.5
7.5°	3175.1	3213.4	3244.1	3275.4	3272.6
10°	3137.4	3189.7	3230.1	3255.9	3247.6
12.5°	3088.6	3157.6	3197.4	3202.9	3186.9
15°	3029.3	3114.4	3144.3	3120.7	3095.6
17.5°	2962.4	3062.1	3072.6	3021.0	2989.6
20°	2878.7	2992.4	2981.9	2910.8	2876.0
22.5°	2786.0	2915.7	2882.2	2807.7	2774.2
25°	2684.2	2827.9	2779.8	2727.5	2730.2
27.5°	2565.0	2728.1	2681.4	2705.2	2749.8
30°	2443.7	2623.5	2595.0	2733.1	2820.8
32.5°	2310.5	2516.2	2542.0	2814.6	2958.3
35°	2178.8	2408.8	2529.4	2949.9	3138.8
37.5°	2033.0	2300.0	2549.6	3106.0	3304.1
40°	1891.5	2194.1	2595.6	3246.2	3413.5
42.5°	1747.2	2099.2	2673.1	3329.1	3459.5
45°	1604.2	2018.4	2758.8	3340.3	3410.0
47.5°	1461.3	1950.1	2818.1	3251.8	3219.7
50°	1323.3	1889.4	2822.3	3039.1	2908.1
52.5°	1194.3	1833.6	2745.6	2700.2	2496.7
55°	1068.1	1768.1	2569.2	2252.7	2002.3
57.5°	953.1	1677.5	2297.3	1771.6	1498.2
60°	831.0	1554.7	1945.9	1296.1	1080.7
62.5°	718.9	1402.1	1552.0	902.2	776.6
65°	612.9	1224.9	1176.2	653.9	562.7
67.5°	500.6	1041.6	868.0	476.9	418.3
70°	412.7	871.5	646.3	370.9	336.8
72.5°	322.8	709.7	483.1	301.2	282.4
75°	246.8	573.1	377.9	258.7	245.4
77.5°	182.0	453.2	304.0	228.7	216.1
80°	127.6	357.0	254.5	204.3	199.4
82.5°	85.8	276.1	216.8	194.5	195.2
85°	52.3	204.3	192.5	188.3	190.4
87.5°	25.1	145.0	165.2	171.5	173.6
90°	4.0	94.1	154.4	181.4	188.9
92.5°	10.5	83.2	156.0	191.1	201.0
95°	32.1	109.5	205.4	253.5	276.4
97.5°	159.0	207.7	283.0	336.8	351.7
100°	327.1	371.8	367.1	398.2	405.1
102.5°	510.5	534.8	439.5	419.3	415.8
105°	601.8	617.7	571.6	435.3	409.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	490.8	506.6	526.1	523.0	504.2
115°	418.9	433.5	459.1	463.3	464.0
117.5°	358.1	368.2	392.8	399.6	401.1
120°	299.9	311.1	334.7	340.6	339.7
122.5°	251.4	262.2	285.0	290.3	289.4
125°	206.9	218.7	241.1	247.4	246.4
127.5°	175.6	183.5	206.1	212.3	211.4
130°	152.9	158.6	176.0	183.7	186.0
132.5°	137.6	140.0	154.6	162.4	165.4
135°	123.8	126.3	137.3	146.6	148.1
137.5°	113.3	115.8	123.8	132.4	134.7
140°	104.4	106.9	112.0	120.7	122.1
142.5°	97.8	99.6	104.1	110.5	112.0
145°	92.9	93.1	96.2	101.2	102.6
147.5°	87.2	88.1	89.7	94.2	94.9
150°	82.4	84.0	84.2	86.4	88.6
152.5°	79.1	79.9	80.2	81.0	82.4
155°	75.1	76.7	76.1	77.0	77.0
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	608.1	626.2	616.4	503.7	434.7
110°	557.2	579.0	587.5	550.2	495.8



(END OF REPORT)