

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: P827681

Luminaire Tested: **OHBL-15SE-MCL-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827681
REPORT IS A COMBINATION OF REPORTS P826114 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-MCL-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

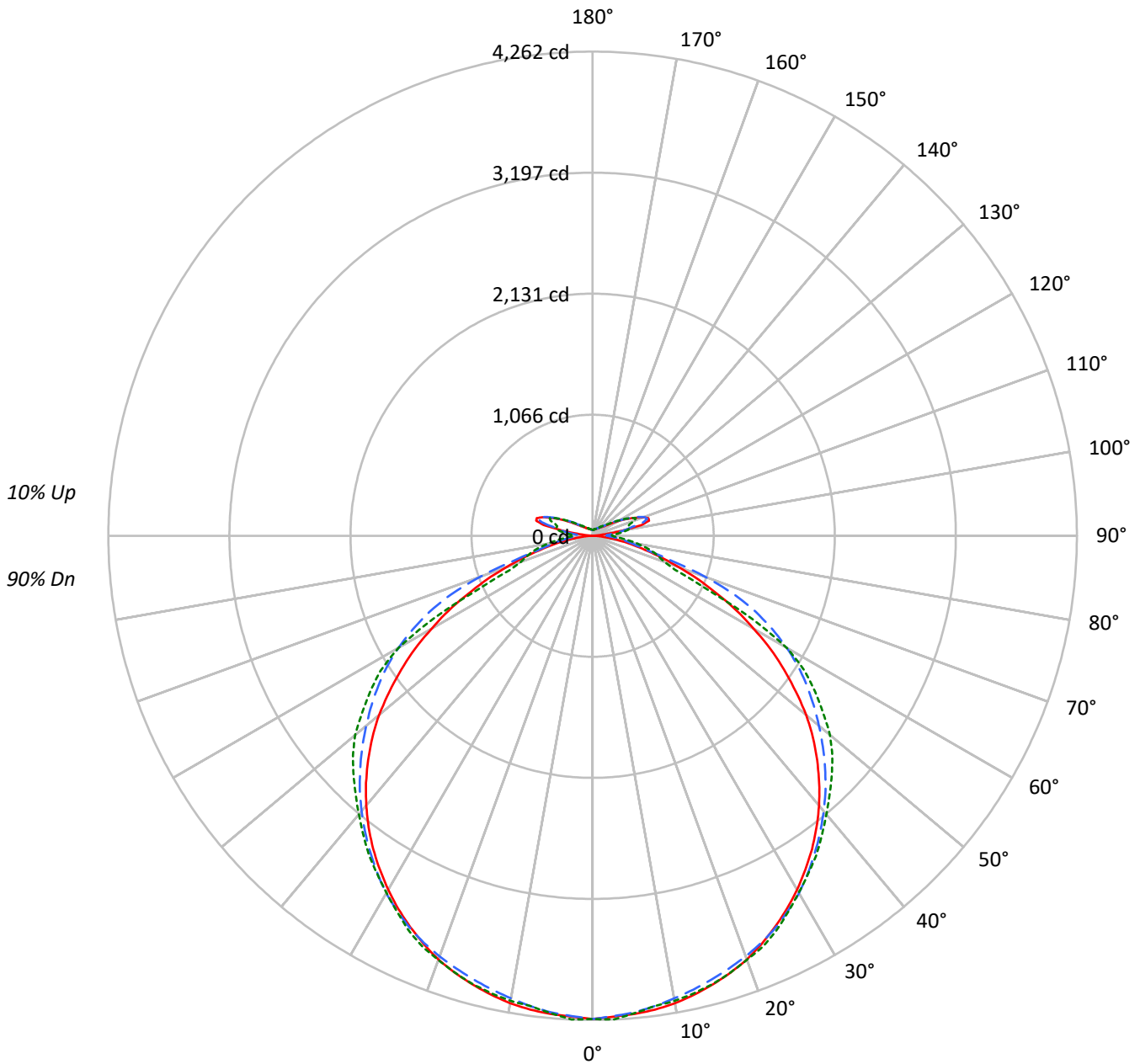
Lumens per Lamp: N/A
Luminaire Lumens: 13250.4 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 97.3
Input Voltage (V): NR
Input Current (A_{in}): 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	117	117	117	117	113	113	113	113	105	105	105	99	99	99	93	93	93	90																			
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	78	76																			
2	97	89	83	77	94	87	81	76	81	77	72	77	73	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	68	63	58	64	60	56	54																			
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	46																			
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	40																			
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	46	41	37	35																			
7	64	51	42	36	62	49	41	36	47	40	35	45	38	34	42	37	33	31																			
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	27																			
9	55	42	34	29	53	41	34	28	39	33	28	38	31	27	36	30	26	24																			
10	52	39	31	26	50	38	31	26	36	30	25	35	29	25	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13838	13838	13838
5°	13574	13556	13723
10°	13355	13271	13629
15°	13102	13040	13596
20°	12849	12866	13536
25°	12522	12689	13479
30°	12179	12455	13291
35°	11797	12130	13222
40°	11350	11794	13108
45°	10798	11415	13112
50°	10117	10988	13113
55°	9167	10557	12747
60°	8007	9969	11927
65°	6595	8996	7678
70°	5031	6856	5688
75°	3488	3934	5961
80°	2144	3105	6010
85°	961	2592	6319



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.1	3.0
10°-20°	1150.1	8.7
20°-30°	1756.5	13.3
30°-40°	2131.3	16.1
40°-50°	2233.8	16.9
50°-60°	2024.1	15.3
60°-70°	1357.1	10.2
70°-80°	609.4	4.6
80°-90°	224.2	1.7
90°-100°	184.3	1.4
100°-110°	439.3	3.3
110°-120°	366.2	2.8
120°-130°	176.9	1.3
130°-140°	90.1	0.7
140°-150°	52.8	0.4
150°-160°	31.5	0.2
160°-170°	16.7	0.1
170°-180°	5.1	0.0
0°-30°	3307.7	25.0
0°-40°	5438.9	41.0
0°-60°	9696.8	73.2
0°-90°	11887.6	89.7
90°-120°	989.8	7.5
90°-150°	1309.6	9.9
90°-180°	1363.0	10.3
0°-180°	13250.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4254	4254	4254	4254	4254	
5°	4226	4241	4211	4224	4218	402
15°	4089	4073	4044	4080	4084	1154
25°	3798	3782	3808	3843	3832	1751
35°	3367	3375	3409	3445	3432	2104
45°	2794	2840	2892	2966	2976	2152
55°	2056	2155	2302	2394	2389	1835
65°	1207	1396	1584	1337	1092	1202
75°	475	689	507	518	552	519
85°	82	157	201	243	255	100
90°	3	70	127	161	171	7
95°	23	91	158	202	222	82
105°	514	518	465	346	323	487
115°	357	360	374	377	371	360
125°	175	185	196	196	196	165
135°	106	110	114	118	120	85
145°	79	81	83	85	86	51
155°	65	67	68	68	68	31
165°	58	58	58	58	58	16
175°	53	53	52	52	52	5
180°	52	52	52	52	52	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4253.5	4253.5	4253.5	4253.5	4253.5
2.5°	4236.3	4254.1	4231.9	4256.0	4262.1
5°	4225.8	4240.6	4211.1	4224.0	4218.4
7.5°	4206.8	4211.7	4176.7	4187.1	4176.0
10°	4178.5	4176.0	4134.8	4155.1	4157.6
12.5°	4136.6	4129.3	4092.3	4123.1	4123.7
15°	4088.7	4072.7	4043.8	4079.5	4084.3
17.5°	4033.3	4012.4	3993.3	4039.5	4032.1
20°	3968.8	3944.2	3940.5	3990.9	3972.5
22.5°	3888.8	3869.7	3878.4	3926.3	3914.6
25°	3798.4	3781.8	3808.2	3843.3	3832.2
27.5°	3703.1	3693.2	3723.3	3750.4	3728.9
30°	3598.5	3593.0	3633.0	3655.1	3628.0
32.5°	3484.7	3486.6	3524.7	3554.8	3529.7
35°	3366.6	3374.6	3409.1	3445.4	3431.9
37.5°	3236.9	3254.7	3289.2	3330.3	3316.2
40°	3099.7	3125.6	3163.7	3213.5	3200.6
42.5°	2951.5	2984.1	3033.3	3088.6	3087.4
45°	2794.1	2839.6	2892.5	2966.3	2975.5
47.5°	2630.5	2681.5	2748.6	2847.0	2861.1
50°	2452.7	2516.7	2600.3	2718.4	2727.0
52.5°	2254.7	2342.0	2452.7	2565.9	2555.5
55°	2056.0	2155.0	2302.1	2394.3	2388.8
57.5°	1858.0	1969.3	2147.7	2213.5	2212.9
60°	1636.6	1777.4	1972.4	2022.2	1973.0
62.5°	1431.8	1583.0	1785.4	1749.2	1580.6
65°	1206.7	1395.5	1584.3	1337.1	1091.7
67.5°	1006.8	1203.6	1345.7	915.8	784.2
70°	805.7	1022.8	1049.2	679.6	670.4
72.5°	627.3	858.6	723.9	581.8	611.3
75°	474.8	688.9	506.7	518.5	552.3
77.5°	346.3	528.9	394.2	454.5	482.2
80°	238.1	374.6	321.6	381.9	401.0
82.5°	149.5	247.3	257.7	307.5	327.2
85°	81.8	156.8	201.1	242.9	254.6
87.5°	33.8	94.7	153.7	187.6	197.4
90°	3.1	70.1	127.4	161.1	171.3
92.5°	8.7	62.6	122.1	156.9	169.3
95°	23.3	90.8	157.9	201.5	222.5
97.5°	135.4	177.0	224.6	261.9	279.0
100°	274.3	315.7	291.5	314.1	321.6
102.5°	440.5	440.8	354.6	331.7	328.7
105°	514.1	518.5	465.1	346.4	323.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	415.7	425.7	430.8	421.7	408.4
115°	357.4	359.8	373.5	376.8	370.8
117.5°	307.2	306.8	319.3	321.4	321.0
120°	257.1	260.9	269.7	271.2	271.0
122.5°	213.5	219.9	230.8	231.4	231.2
125°	174.8	185.2	196.2	196.4	196.2
127.5°	150.4	156.1	167.5	169.3	168.3
130°	131.0	135.6	143.6	146.9	146.9
132.5°	117.9	121.7	127.6	130.9	131.7
135°	106.5	110.4	113.5	118.2	119.6
137.5°	99.1	100.7	104.0	107.8	109.3
140°	91.0	93.4	95.2	98.5	100.0
142.5°	84.7	87.0	87.9	91.4	92.1
145°	79.1	81.3	82.9	85.2	85.8
147.5°	75.7	77.3	78.9	78.9	80.3
150°	71.6	73.2	74.0	74.9	74.9
152.5°	68.4	69.2	70.8	70.8	71.6
155°	65.2	66.6	68.2	68.2	68.4
157.5°	62.7	64.2	65.0	65.8	65.8
160°	60.3	61.8	62.6	62.6	63.4
162.5°	59.3	60.1	60.1	60.9	60.9
165°	57.7	57.7	58.5	58.5	58.5
167.5°	56.1	56.7	56.9	56.9	57.7
170°	54.5	55.3	55.3	54.6	55.5
172.5°	53.7	53.7	54.5	53.8	53.8
175°	52.9	52.9	52.2	52.4	52.4
177.5°	52.6	52.9	52.2	51.6	51.0
180°	52.2	52.2	52.2	52.2	52.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	514.7	524.2	504.6	401.7	343.9
110°	475.8	486.0	480.3	444.6	395.8



(END OF REPORT)