

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: P827682

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827682
REPORT IS A COMBINATION OF REPORTS P826222 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-MCL-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

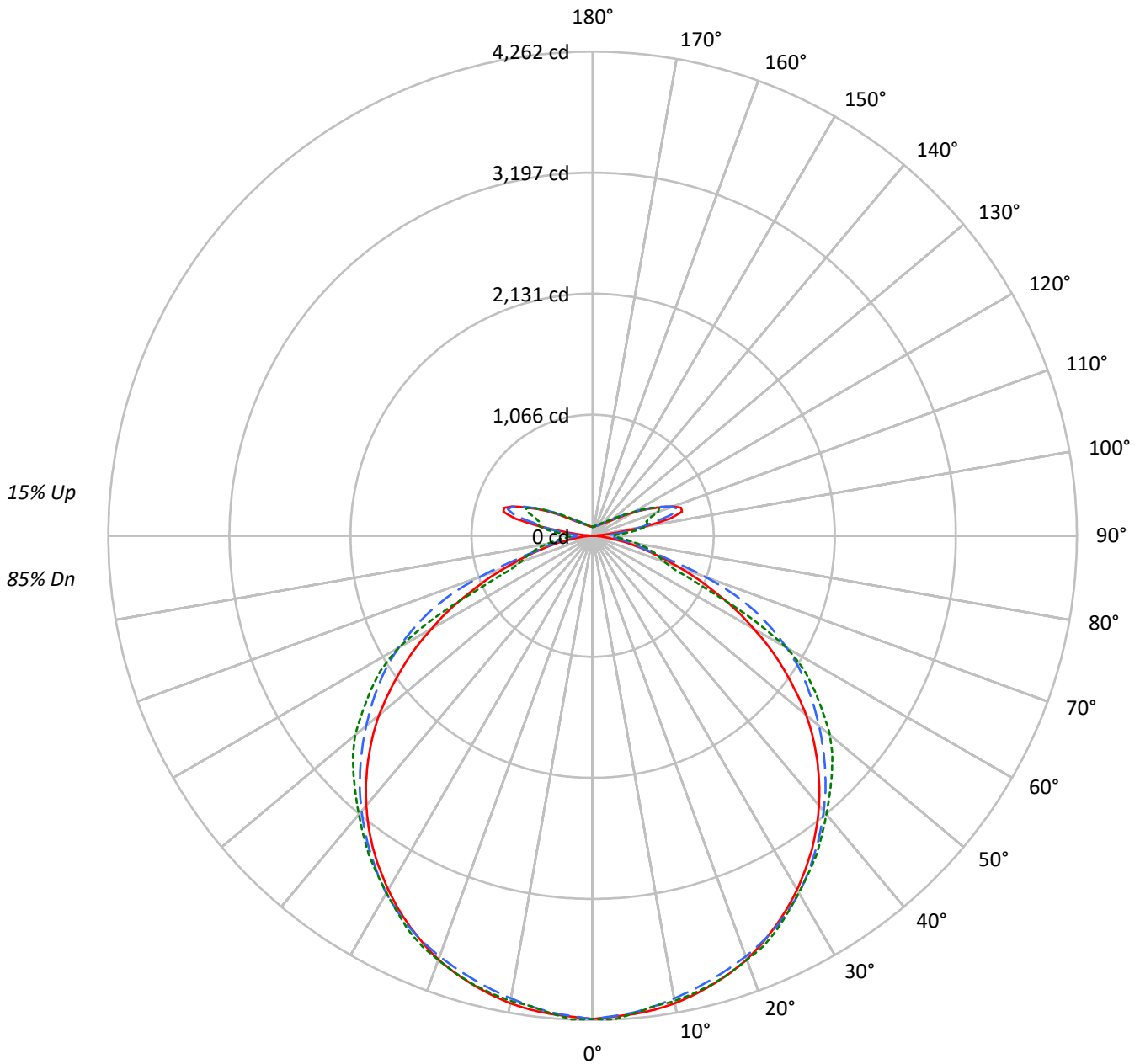
Lumens per Lamp: N/A
Luminaire Lumens: 13978.8 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 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				20				20
RC	80				70				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	111	111	111	111	103	103	103	95	95	95	88	88	88	85			
1	106	101	97	93	102	97	94	90	91	88	85	84	82	80	78	76	75	72			
2	96	88	82	76	92	85	79	74	79	75	70	74	70	67	69	66	63	60			
3	88	78	70	64	84	75	68	62	70	64	59	65	60	56	61	57	54	51			
4	80	69	60	54	77	67	59	53	62	56	51	58	53	48	54	50	46	43			
5	74	61	53	46	71	60	51	45	56	49	44	52	46	42	49	44	40	38			
6	68	55	47	40	65	54	45	40	50	43	38	47	41	37	44	39	35	33			
7	63	50	42	36	61	48	41	35	46	39	34	43	37	32	40	35	31	29			
8	59	46	37	32	56	44	36	31	42	35	30	39	33	29	37	32	28	26			
9	55	42	34	28	53	41	33	28	38	32	27	36	30	26	34	29	25	23			
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	32	27	23	21			

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	2.9
10°-20°	1150.1	8.2
20°-30°	1756.5	12.6
30°-40°	2131.3	15.2
40°-50°	2233.8	16.0
50°-60°	2024.1	14.5
60°-70°	1357.1	9.7
70°-80°	609.4	4.4
80°-90°	226.1	1.6
90°-100°	254.0	1.8
100°-110°	682.0	4.9
110°-120°	573.9	4.1
120°-130°	276.4	2.0
130°-140°	139.9	1.0
140°-150°	81.7	0.6
150°-160°	48.2	0.3
160°-170°	25.4	0.2
170°-180°	7.8	0.1
0°-30°	3307.7	23.7
0°-40°	5438.9	38.9
0°-60°	9696.8	69.4
0°-90°	11889.4	85.1
90°-120°	1509.9	10.8
90°-150°	2007.9	14.4
90°-180°	2089.0	14.9
0°-180°	13978.8	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°	5	80	142	180	192	8
95°	44	122	210	271	298	134
105°	813	816	717	528	490	772
115°	564	572	583	586	583	569
125°	278	293	304	306	304	261
135°	167	171	177	182	184	132
145°	123	127	129	130	132	78
155°	100	102	104	105	104	47
165°	88	88	89	89	89	25
175°	80	80	80	80	80	8
180°	79	79	79	79	79	



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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°	4.7	79.8	141.9	180.5	192.3
92.5°	14.4	76.4	143.1	187.6	202.4
95°	43.5	122.3	210.4	271.0	297.7
97.5°	218.7	261.1	312.7	378.3	407.5
100°	448.1	495.2	432.1	464.5	473.5
102.5°	691.9	702.7	541.3	498.3	493.6
105°	813.2	816.0	717.3	528.2	490.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	657.4	671.5	670.8	657.7	633.1
115°	564.3	572.4	582.9	586.2	582.6
117.5°	483.5	485.5	497.9	500.8	502.9
120°	401.0	410.5	425.7	424.8	420.6
122.5°	337.2	346.9	358.5	360.0	355.7
125°	277.5	292.7	304.5	305.6	303.7
127.5°	236.1	246.6	259.6	262.3	262.1
130°	206.2	213.2	224.5	227.7	228.5
132.5°	184.1	190.4	198.0	203.6	202.8
135°	167.2	171.0	177.3	182.0	184.2
137.5°	154.1	156.5	161.3	166.8	167.5
140°	141.9	145.2	148.6	152.7	154.1
142.5°	130.8	134.7	137.3	140.7	141.4
145°	122.7	126.6	129.0	130.5	131.8
147.5°	116.1	119.3	120.9	122.5	123.2
150°	110.4	112.0	114.5	115.3	116.1
152.5°	104.8	106.4	108.8	109.6	109.6
155°	99.9	102.2	103.8	104.6	104.0
157.5°	95.9	98.1	99.7	100.6	100.6
160°	92.6	94.1	95.7	96.5	96.5
162.5°	90.0	90.9	91.7	92.5	92.5
165°	87.6	88.4	89.2	89.2	89.2
167.5°	85.2	85.8	86.0	86.8	86.8
170°	82.8	83.6	83.6	83.7	83.7
172.5°	81.2	82.0	82.0	81.3	82.1
175°	79.5	80.3	79.7	79.9	79.9
177.5°	80.1	79.5	78.9	78.2	77.7
180°	78.9	78.9	78.9	78.9	78.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	817.1	828.9	784.3	625.6	528.2
110°	754.7	768.1	747.1	690.3	612.4



(END OF REPORT)