

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: P827689

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827689
REPORT IS A COMBINATION OF REPORTS P826118 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-W-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

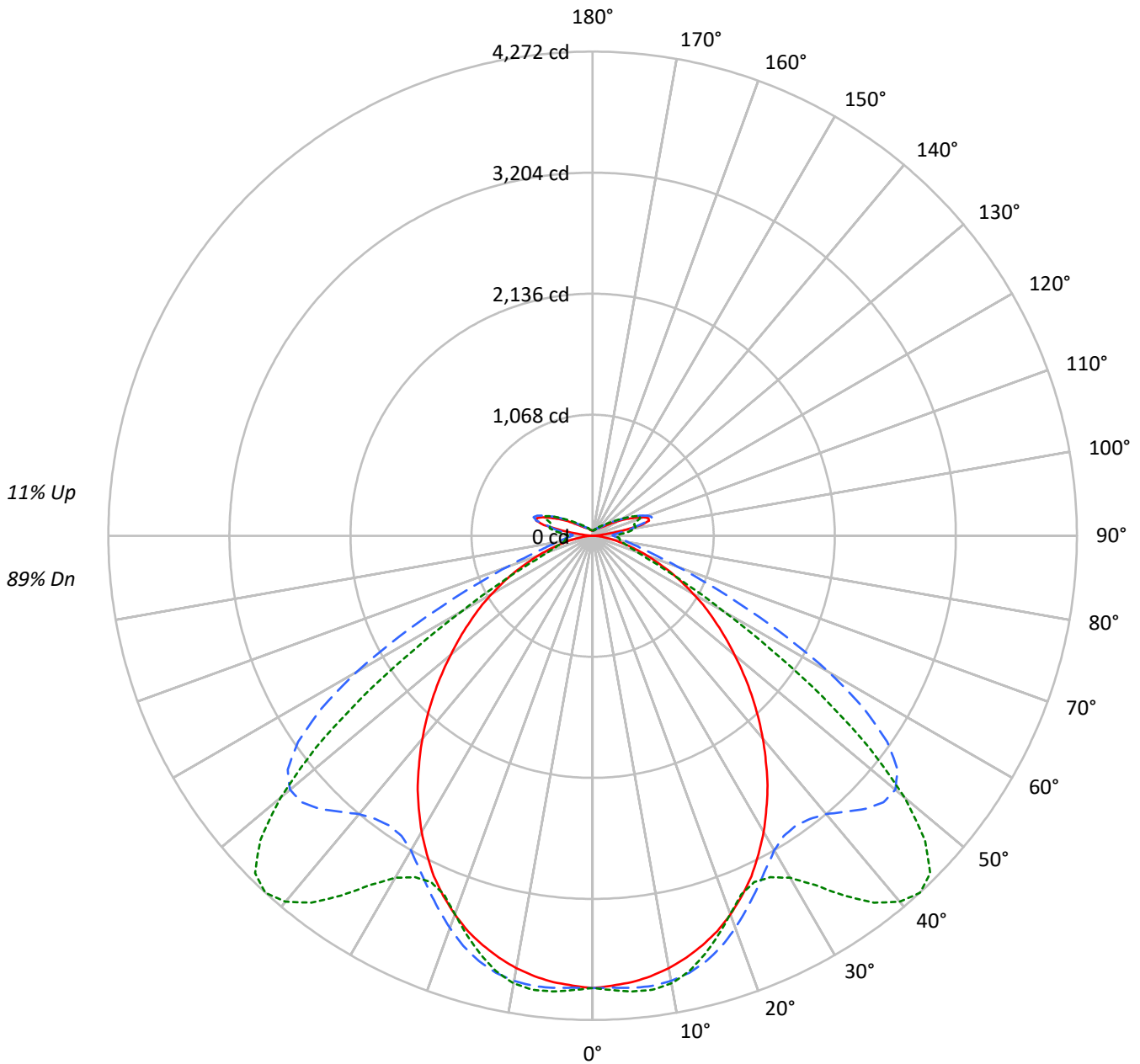
Lumens per Lamp: N/A
Luminaire Lumens: 13176.0 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	107	102	98	94	103	99	95	92	92	90	87	87	84	82	81	80	78	75																			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53																			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	45																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34																			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30																			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	29	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	32	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12982	12982	12982
5°	12699	12892	13130
10°	12382	12802	13146
15°	11987	12521	12724
20°	11509	12022	12101
25°	10927	11437	11858
30°	10213	10986	12761
35°	9427	11114	14932
40°	8552	11949	17263
45°	7656	13444	18555
50°	6740	14727	17267
55°	5881	14548	13194
60°	5021	12145	8067
65°	4136	8247	4887
70°	3182	5215	3528
75°	2238	3623	3271
80°	1418	3033	3690
85°	759	3062	5835



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.3	2.9
10°-20°	1079.8	8.2
20°-30°	1580.1	12.0
30°-40°	2052.1	15.6
40°-50°	2505.9	19.0
50°-60°	2206.8	16.7
60°-70°	1150.0	8.7
70°-80°	493.2	3.7
80°-90°	239.9	1.8
90°-100°	229.0	1.7
100°-110°	477.0	3.6
110°-120°	391.4	3.0
120°-130°	190.4	1.4
130°-140°	95.2	0.7
140°-150°	54.2	0.4
150°-160°	30.3	0.2
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	3041.2	23.1
0°-40°	5093.4	38.7
0°-60°	9806.1	74.4
0°-90°	11689.1	88.7
90°-120°	1097.4	8.3
90°-150°	1437.3	10.9
90°-180°	1487.0	11.3
0°-180°	13176.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3990	3990	3990	3990	3990	
5°	3953	3984	4005	4040	4036	375
15°	3741	3846	3883	3854	3822	1053
25°	3315	3492	3432	3368	3371	1521
35°	2690	2974	3124	3643	3876	1677
45°	1981	2492	3407	4125	4211	1527
55°	1319	2183	3172	2782	2473	1184
65°	757	1513	1452	808	695	749
75°	305	708	467	319	303	332
85°	65	252	238	232	235	72
90°	3	109	180	210	218	6
95°	24	112	211	261	284	82
105°	515	535	511	401	378	488
115°	358	370	406	415	410	361
125°	177	189	214	221	221	166
135°	106	109	120	132	133	84
145°	80	80	83	90	91	51
155°	66	67	67	67	67	30
165°	51	51	52	52	52	15
175°	46	46	46	47	47	4
180°	46	46	46	46	46	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3990.4	3990.4	3990.4	3990.4	3990.4
2.5°	3973.2	3990.4	3991.2	4015.4	4012.8
5°	3953.4	3983.5	4005.0	4040.4	4036.0
7.5°	3920.7	3968.0	4005.9	4044.7	4041.2
10°	3874.2	3938.8	3988.7	4020.6	4010.2
12.5°	3813.9	3899.2	3948.2	3955.1	3935.3
15°	3740.7	3845.8	3882.8	3853.5	3822.5
17.5°	3658.1	3781.2	3794.1	3730.4	3691.7
20°	3554.8	3695.1	3682.2	3594.4	3551.3
22.5°	3440.3	3600.4	3559.1	3466.9	3425.6
25°	3314.6	3491.9	3432.5	3367.9	3371.4
27.5°	3167.4	3368.8	3311.1	3340.4	3395.5
30°	3017.6	3239.6	3204.4	3374.9	3483.4
32.5°	2853.1	3107.1	3138.9	3475.6	3652.9
35°	2690.4	2974.5	3123.5	3642.6	3875.9
37.5°	2510.4	2840.2	3148.4	3835.5	4080.0
40°	2335.7	2709.4	3205.2	4008.5	4215.1
42.5°	2157.5	2592.2	3300.8	4110.9	4272.0
45°	1981.0	2492.4	3406.7	4124.7	4210.8
47.5°	1804.5	2408.0	3479.9	4015.4	3975.8
50°	1634.0	2333.1	3485.0	3752.8	3590.9
52.5°	1474.8	2264.2	3390.3	3334.4	3083.0
55°	1319.0	2183.3	3172.5	2781.6	2472.6
57.5°	1176.9	2071.4	2836.8	2187.6	1850.1
60°	1026.3	1919.9	2402.9	1600.5	1334.5
62.5°	887.6	1731.3	1916.4	1114.0	959.1
65°	756.8	1512.6	1452.4	807.5	694.8
67.5°	618.1	1286.2	1071.8	588.9	516.5
70°	509.7	1076.1	798.1	458.0	415.8
72.5°	398.6	876.4	596.6	371.9	348.7
75°	304.7	707.7	466.7	319.4	303.0
77.5°	224.7	559.6	375.4	282.4	266.9
80°	157.5	440.8	314.2	252.3	246.2
82.5°	105.9	341.0	267.7	240.2	241.0
85°	64.6	252.3	237.6	232.5	235.1
87.5°	31.0	179.0	204.0	211.8	214.4
90°	3.3	109.0	180.1	209.8	218.2
92.5°	8.1	92.4	174.9	211.9	224.2
95°	24.3	111.6	211.3	261.2	284.0
97.5°	135.9	195.1	276.9	324.3	341.4
100°	275.0	332.1	341.5	375.2	383.5
102.5°	440.7	457.1	402.4	389.8	386.6
105°	515.2	534.6	510.9	401.3	377.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	416.6	437.8	466.7	464.1	451.3
115°	357.6	369.7	405.6	415.2	409.6
117.5°	308.4	316.2	347.8	356.6	355.8
120°	258.3	268.4	294.2	302.8	302.9
122.5°	214.6	225.4	252.6	259.7	259.7
125°	176.6	188.9	214.4	221.4	221.4
127.5°	150.7	157.2	182.6	191.2	190.4
130°	131.3	135.3	155.7	165.1	166.8
132.5°	117.5	120.8	136.9	146.3	148.8
135°	106.2	109.4	120.4	131.6	133.2
137.5°	98.1	99.7	109.0	118.4	120.9
140°	90.0	92.5	98.4	107.8	109.4
142.5°	85.3	86.0	90.2	98.7	99.6
145°	80.4	80.3	82.9	89.6	91.3
147.5°	76.4	77.2	78.8	82.2	83.9
150°	72.3	74.0	73.1	75.6	77.4
152.5°	69.1	69.9	69.8	69.8	72.3
155°	65.9	66.7	66.6	66.6	67.4
157.5°	56.6	57.4	58.2	59.0	59.0
160°	54.2	55.0	55.8	55.8	56.6
162.5°	52.5	53.4	53.4	54.2	54.2
165°	50.9	50.9	51.7	51.7	51.7
167.5°	49.3	49.3	50.1	50.1	50.9
170°	47.7	48.5	48.5	48.5	49.3
172.5°	46.9	46.9	47.7	47.7	47.7
175°	46.1	46.1	46.1	46.9	46.9
177.5°	45.3	46.1	46.1	46.1	46.1
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	516.0	539.2	546.8	452.3	395.0
110°	476.4	499.4	518.8	491.4	443.0



(END OF REPORT)