

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: P827844

Luminaire Tested: **OHB-15SE-NL-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827844
REPORT IS A COMBINATION OF REPORTS P826189 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: OHB-15SE-NL-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

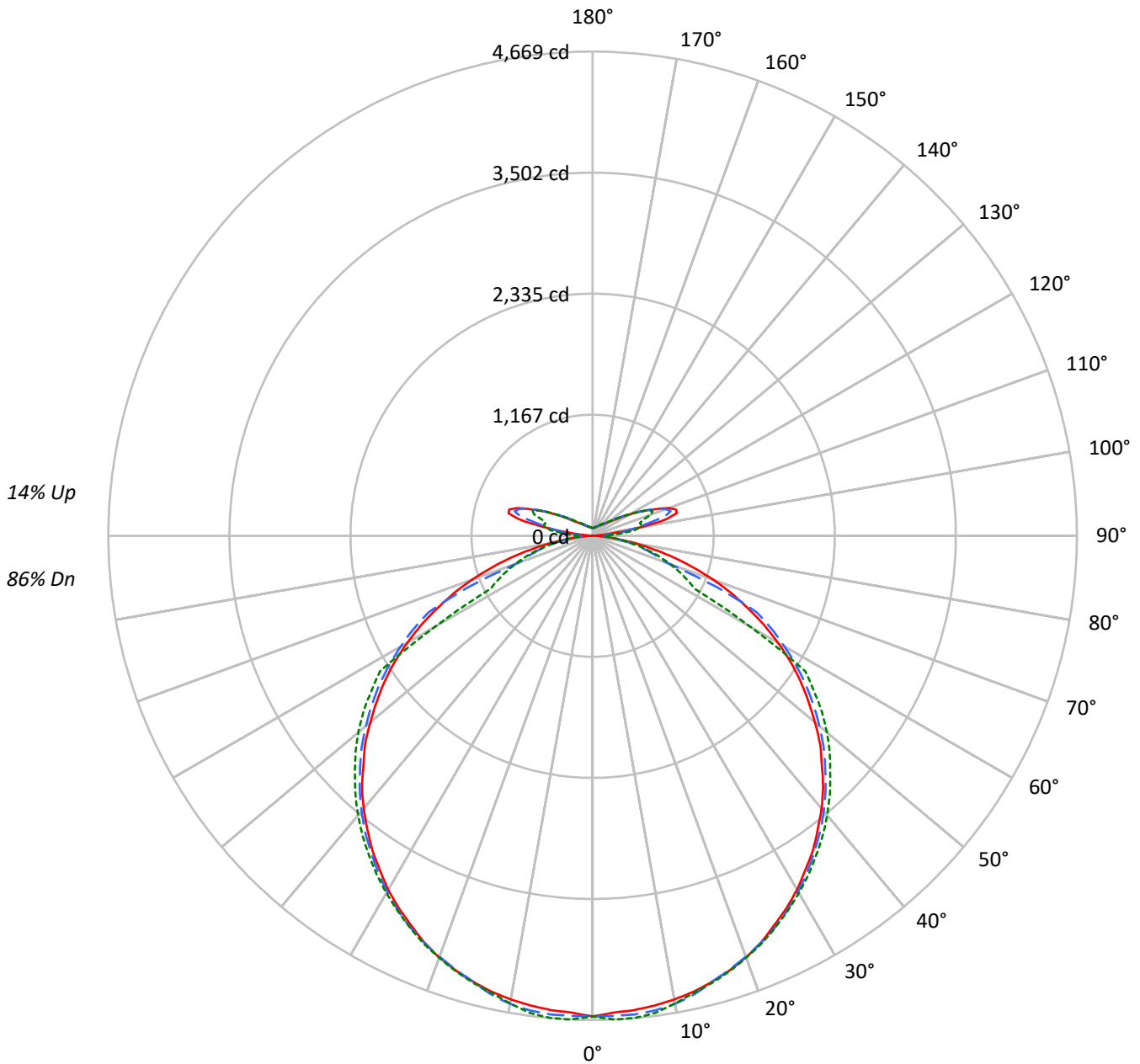
Lumens per Lamp: N/A
Luminaire Lumens: 15029.4 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 0.88' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 114.5
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	111	111	111	111	103	103	103	96	96	96	89	89	89	86																			
1	106	102	98	94	102	98	94	91	91	88	86	85	83	81	79	78	76	73																			
2	97	89	82	77	93	86	80	75	80	75	71	75	71	68	70	67	64	61																			
3	88	78	70	64	85	76	68	63	71	65	60	66	61	57	62	58	54	52																			
4	81	69	61	54	77	67	59	53	63	56	51	59	53	49	55	51	47	44																			
5	74	62	53	47	71	60	52	46	56	49	44	53	47	42	50	45	41	38																			
6	68	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	33																			
7	63	50	42	36	61	49	41	35	46	39	34	43	37	33	41	36	32	30																			
8	59	46	38	32	57	45	37	31	42	35	30	40	34	29	38	32	28	26																			
9	55	42	34	29	53	41	33	28	39	32	27	37	31	26	35	29	26	24																			
10	51	39	31	26	50	38	30	25	36	29	25	34	28	24	32	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29491	29491	29491
5°	29037	29292	29681
10°	28756	29014	29310
15°	28459	28431	28988
20°	28121	28048	28776
25°	27618	27721	28572
30°	27163	27257	28371
35°	26636	26728	28177
40°	26024	26209	28000
45°	25226	25535	27721
50°	24367	24783	27488
55°	23344	23859	26875
60°	21908	22585	20621
65°	19943	20991	13611
70°	17478	10547	12849
75°	14042	9218	11748
80°	9347	7299	9930
85°	3371	5247	7905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.3	2.9
10°-20°	1260.7	8.4
20°-30°	1918.3	12.8
30°-40°	2332.4	15.5
40°-50°	2452.4	16.3
50°-60°	2239.4	14.9
60°-70°	1435.5	9.6
70°-80°	678.1	4.5
80°-90°	193.2	1.3
90°-100°	243.0	1.6
100°-110°	684.4	4.6
110°-120°	579.2	3.9
120°-130°	276.0	1.8
130°-140°	138.1	0.9
140°-150°	80.1	0.5
150°-160°	46.7	0.3
160°-170°	24.2	0.2
170°-180°	7.4	0.0
0°-30°	3619.4	24.1
0°-40°	5951.8	39.6
0°-60°	10643.6	70.8
0°-90°	12950.4	86.2
90°-120°	1506.6	10.0
90°-150°	2000.8	13.3
90°-180°	2079.0	13.8
0°-180°	15029.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4635	4635	4635	4635	4635	
5°	4592	4610	4633	4658	4668	437
15°	4452	4486	4452	4458	4462	1257
25°	4144	4150	4165	4171	4168	1912
35°	3704	3682	3724	3769	3759	2314
45°	3124	3118	3171	3246	3240	2414
55°	2448	2429	2511	2595	2602	2183
65°	1649	1649	1745	1001	1004	1635
75°	815	830	539	568	570	859
85°	106	135	168	182	172	157
90°	4	74	114	140	145	8
95°	47	116	197	262	287	139
105°	840	836	716	514	472	797
115°	581	588	591	586	577	585
125°	282	297	302	302	299	264
135°	167	170	176	178	179	132
145°	121	124	127	128	128	77
155°	97	98	100	101	101	45
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4634.8	4634.8	4634.8	4634.8	4634.8
2.5°	4602.2	4617.7	4634.8	4656.7	4668.8
5°	4591.6	4609.5	4633.1	4658.3	4668.0
7.5°	4568.8	4594.0	4616.8	4634.8	4640.4
10°	4540.3	4570.5	4583.5	4581.8	4577.8
12.5°	4502.1	4533.9	4529.8	4511.1	4514.3
15°	4452.5	4485.8	4451.8	4458.2	4461.5
17.5°	4394.0	4426.5	4386.7	4399.7	4400.5
20°	4325.7	4350.1	4319.2	4329.8	4329.8
22.5°	4243.6	4260.6	4247.6	4254.9	4256.6
25°	4143.5	4150.0	4164.6	4171.2	4167.9
27.5°	4047.6	4039.4	4067.9	4083.3	4075.2
30°	3941.0	3928.0	3961.3	3986.6	3976.8
32.5°	3819.0	3810.9	3849.2	3879.2	3873.5
35°	3703.5	3681.6	3723.8	3769.4	3758.8
37.5°	3566.9	3553.9	3601.8	3649.9	3644.3
40°	3433.5	3411.6	3466.1	3523.0	3517.3
42.5°	3290.4	3264.3	3323.8	3392.1	3385.6
45°	3123.7	3118.0	3170.8	3245.7	3240.0
47.5°	2975.8	2947.2	3021.2	3093.6	3100.2
50°	2796.8	2786.2	2853.8	2941.6	2948.0
52.5°	2621.9	2614.6	2685.3	2774.0	2785.3
55°	2447.8	2429.2	2511.3	2595.1	2601.6
57.5°	2261.7	2242.2	2325.9	2417.0	2430.8
60°	2062.3	2043.7	2135.6	2220.2	1765.6
62.5°	1863.2	1850.2	1946.2	1378.5	1110.9
65°	1649.2	1649.2	1745.2	1001.1	1004.3
67.5°	1449.2	1436.2	1301.2	899.4	899.4
70°	1234.5	1239.4	749.8	788.1	788.8
72.5°	1019.0	1036.9	647.4	678.2	679.8
75°	814.8	830.3	539.2	567.7	570.1
77.5°	598.6	460.3	433.4	455.5	456.2
80°	420.4	290.3	331.8	352.9	350.5
82.5°	245.6	203.2	243.2	258.7	257.8
85°	106.5	135.0	168.3	182.2	172.3
87.5°	34.1	83.8	104.8	113.1	112.2
90°	4.2	73.9	114.0	140.3	144.6
92.5°	14.2	73.3	125.1	166.3	178.0
95°	46.6	116.1	197.1	262.4	287.4
97.5°	225.8	259.6	299.1	372.8	401.9
100°	461.7	502.1	419.4	457.3	465.7
102.5°	714.9	718.0	530.4	487.7	481.8
105°	839.9	835.6	716.3	513.8	472.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	678.2	689.9	678.9	657.4	624.9
115°	580.8	588.2	590.6	586.5	576.6
117.5°	493.3	494.2	497.5	496.7	497.5
120°	408.3	417.5	425.0	420.8	415.8
122.5°	342.5	352.5	357.5	355.8	350.8
125°	281.7	296.7	302.5	301.7	299.2
127.5°	238.3	249.2	257.5	258.3	257.5
130°	207.5	214.2	222.5	223.3	224.2
132.5°	184.2	190.0	195.8	199.2	198.3
135°	166.7	170.0	175.8	177.5	179.2
137.5°	152.5	155.0	160.0	162.5	162.5
140°	140.0	143.3	147.5	149.2	150.0
142.5°	129.2	132.5	135.8	137.5	137.5
145°	120.8	124.2	126.7	127.5	128.3
147.5°	113.3	116.7	118.3	120.0	120.0
150°	107.5	109.2	111.7	112.5	113.3
152.5°	101.7	103.3	105.8	106.7	106.7
155°	96.7	98.3	100.0	100.8	100.8
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	843.2	850.6	788.8	614.8	508.2
110°	779.1	789.0	753.9	686.6	599.1



(END OF REPORT)