

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: P827985

Luminaire Tested: **OHBL-15SE-N-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827985
REPORT IS A COMBINATION OF REPORTS P826116 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-N-UNV-L935-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

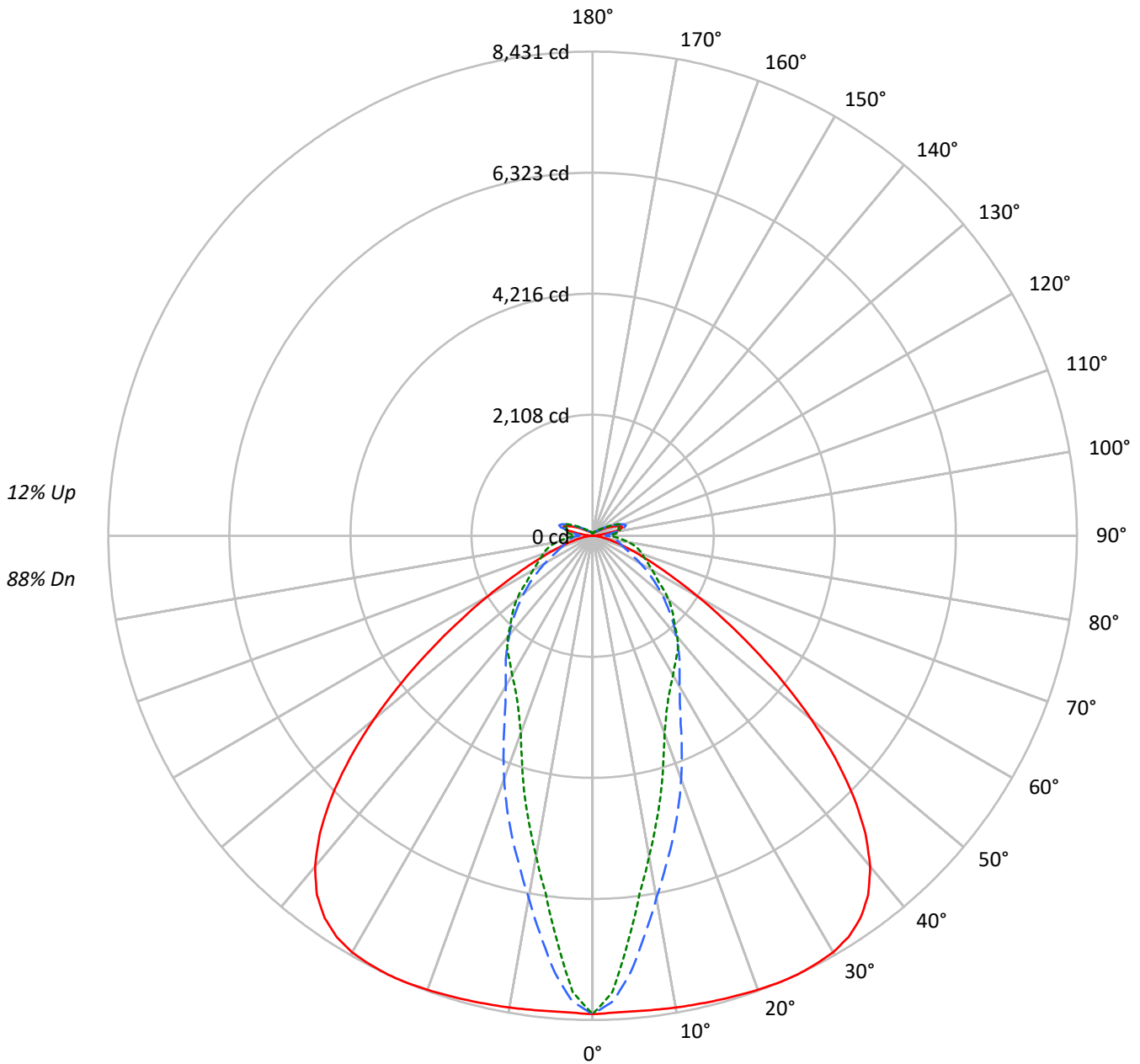
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13558.5 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
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	104	104	104	97	97	97	91	91	91	88																			
1	107	102	98	95	103	99	95	92	92	90	87	86	84	82	81	79	78	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64																			
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56																			
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49																			
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	41	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29																			
10	56	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27096	27096	27096
5°	26701	24540	23054
10°	26663	20558	18577
15°	26840	17485	15323
20°	27235	14701	12457
25°	27795	12096	10974
30°	28343	10356	10254
35°	28485	9376	9831
40°	27521	8408	9392
45°	24835	7536	8764
50°	20494	6596	8302
55°	15170	5714	7470
60°	10296	4836	7250
65°	6650	4096	7225
70°	4301	3760	7768
75°	2761	3760	8607
80°	1677	3971	9421
85°	773	4567	11236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	701.1	5.2
10°-20°	1649.3	12.2
20°-30°	2067.4	15.2
30°-40°	2193.8	16.2
40°-50°	1983.5	14.6
50°-60°	1438.2	10.6
60°-70°	902.5	6.7
70°-80°	597.3	4.4
80°-90°	347.3	2.6
90°-100°	288.1	2.1
100°-110°	535.6	4.0
110°-120°	432.3	3.2
120°-130°	207.8	1.5
130°-140°	102.5	0.8
140°-150°	59.0	0.4
150°-160°	33.1	0.2
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	4417.8	32.6
0°-40°	6611.6	48.8
0°-60°	10033.3	74.0
0°-90°	11880.3	87.6
90°-120°	1256.0	9.3
90°-150°	1625.2	12.0
90°-180°	1678.0	12.4
0°-180°	13558.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8329	8329	8329	8329	8329	
5°	8312	8099	7623	7270	7087	795
15°	8376	6827	5422	4822	4603	2375
25°	8431	5279	3630	3222	3120	3895
35°	8129	3509	2635	2552	2552	5053
45°	6426	2223	1910	1956	1989	4896
55°	3402	1378	1246	1352	1400	3074
65°	1217	799	721	924	1027	1266
75°	376	430	484	752	797	419
85°	66	178	354	493	453	79
90°	2	93	230	321	328	6
95°	26	112	270	364	394	86
105°	534	555	575	488	467	506
115°	372	388	455	476	471	375
125°	185	198	236	246	245	174
135°	112	117	130	143	143	89
145°	85	88	91	99	98	54
155°	70	74	76	77	76	31
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8328.8	8328.8	8328.8	8328.8	8328.8
2.5°	8311.4	8263.8	8115.6	8025.2	7949.1
5°	8312.2	8098.9	7623.3	7269.8	7086.7
7.5°	8324.1	7850.0	6993.2	6477.1	6275.8
10°	8342.3	7541.7	6405.0	5854.8	5667.0
12.5°	8355.8	7194.5	5887.3	5322.2	5116.0
15°	8375.6	6826.7	5422.0	4821.9	4603.2
17.5°	8393.8	6480.2	4962.2	4335.2	4091.9
20°	8412.1	6106.9	4502.5	3856.4	3655.9
22.5°	8429.5	5712.9	4053.8	3484.7	3347.6
25°	8431.1	5278.6	3630.5	3222.3	3120.0
27.5°	8410.5	4828.3	3287.3	3002.8	2939.3
30°	8374.8	4391.5	3020.9	2844.2	2799.0
32.5°	8286.0	3946.0	2814.8	2691.2	2665.0
35°	8129.1	3509.3	2634.9	2552.5	2551.7
37.5°	7881.8	3121.6	2439.9	2425.7	2443.1
40°	7516.3	2782.3	2255.3	2293.2	2293.2
42.5°	7028.8	2487.5	2087.9	2126.8	2116.5
45°	6426.3	2222.8	1909.6	1955.6	1988.8
47.5°	5728.0	1989.7	1727.2	1816.1	1862.0
50°	4968.6	1767.7	1560.8	1674.2	1726.5
52.5°	4172.8	1562.4	1398.3	1528.3	1570.3
55°	3402.2	1377.7	1246.1	1351.5	1399.9
57.5°	2704.7	1201.8	1097.1	1197.0	1296.8
60°	2104.6	1050.3	956.8	1099.5	1199.3
62.5°	1607.6	915.6	825.2	1008.3	1108.2
65°	1216.8	799.0	721.3	924.2	1027.3
67.5°	917.2	698.3	640.5	863.3	963.9
70°	688.8	600.8	575.5	825.2	915.6
72.5°	508.9	511.2	524.0	791.9	860.8
75°	375.8	430.4	484.3	752.3	797.4
77.5°	268.8	356.8	448.7	704.7	720.6
80°	186.2	290.9	411.4	642.1	628.6
82.5°	116.5	233.1	378.1	573.1	535.8
85°	65.8	178.3	354.3	493.1	452.7
87.5°	29.3	133.2	309.9	384.4	359.1
90°	2.5	92.8	229.5	321.0	327.6
92.5°	9.9	85.2	227.8	318.1	334.3
95°	26.5	112.3	269.9	364.1	394.3
97.5°	142.3	201.8	339.7	424.2	448.7
100°	285.6	344.6	405.3	471.8	485.5
102.5°	457.3	474.8	466.0	481.0	482.4
105°	533.8	554.9	574.9	487.8	466.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	432.1	456.9	521.6	532.8	521.8
115°	372.1	387.9	455.4	476.0	470.8
117.5°	321.2	331.4	391.0	409.2	408.3
120°	269.5	282.3	330.8	345.8	344.9
122.5°	224.5	237.5	281.3	292.3	290.7
125°	185.3	198.5	236.0	246.2	244.6
127.5°	158.8	166.2	199.0	210.1	207.6
130°	138.8	144.5	168.5	180.4	180.4
132.5°	123.8	128.7	147.1	159.1	159.9
135°	112.1	117.0	129.8	142.6	143.4
137.5°	103.8	107.8	117.5	128.6	129.4
140°	95.4	99.5	106.8	117.1	117.9
142.5°	90.4	92.8	97.7	107.2	107.2
145°	85.3	87.8	91.1	99.1	98.3
147.5°	81.2	84.4	86.9	90.8	90.9
150°	77.0	81.1	81.9	85.1	84.3
152.5°	73.7	76.9	78.6	80.2	80.2
155°	70.3	73.6	76.0	76.8	76.1
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	533.8	560.8	609.7	532.8	477.6
110°	493.8	520.2	579.3	566.2	520.1



(END OF REPORT)