

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: P827987

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827987
REPORT IS A COMBINATION OF REPORTS P826117 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-NL-UNV-L935-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

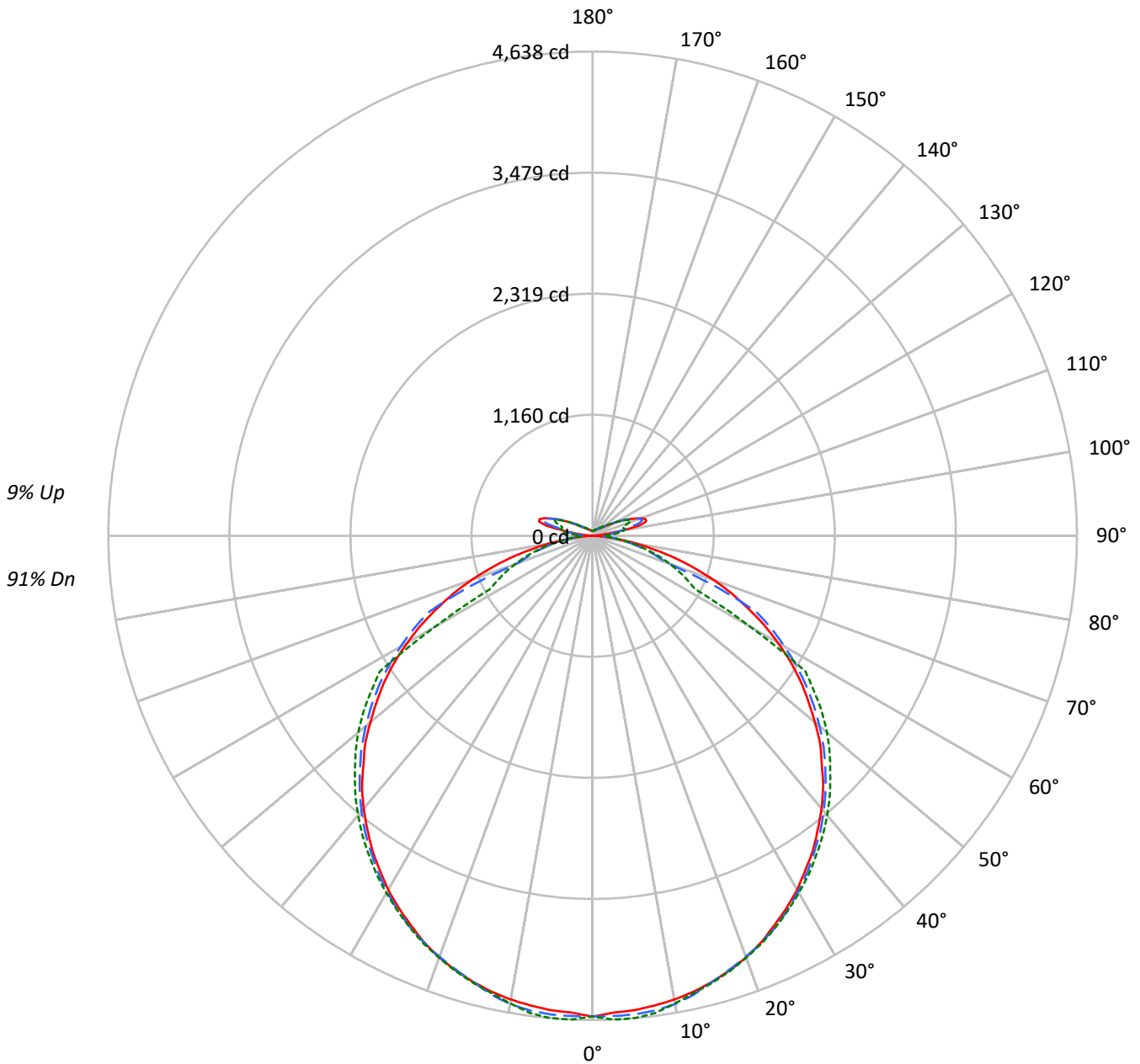
Lumens per Lamp: N/A
Luminaire Lumens: 14193.4 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.1')
CIE Type: Direct

Input Watts (W): 97.3
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				
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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	91
1	107	103	99	95	103	99	96	92	93	91	88	88	86	84	83	81	79	79	79	79	77
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	67	67	67	64
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	57	57	57	54
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	49	49	49	47
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	43	43	43	40
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	37	37	37	35
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	33	33	33	31
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	34	30	30	30	30	28
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	27	27	27	25
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	24	24	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14980	14980	14980
5°	14750	14902	15110
10°	14607	14783	14954
15°	14456	14509	14823
20°	14284	14336	14750
25°	14029	14193	14683
30°	13798	13981	14618
35°	13530	13736	14561
40°	13219	13497	14518
45°	12813	13182	14428
50°	12377	12828	14371
55°	11858	12390	14127
60°	11129	11775	10913
65°	10130	10999	7269
70°	8878	5563	6950
75°	7133	4910	6479
80°	4748	3949	5673
85°	1712	2920	4907



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.4	3.1
10°-20°	1252.5	8.8
20°-30°	1905.8	13.4
30°-40°	2317.2	16.3
40°-50°	2436.4	17.2
50°-60°	2224.7	15.7
60°-70°	1426.2	10.0
70°-80°	673.7	4.7
80°-90°	190.0	1.3
90°-100°	170.8	1.2
100°-110°	434.0	3.1
110°-120°	365.1	2.6
120°-130°	173.4	1.2
130°-140°	86.7	0.6
140°-150°	50.3	0.4
150°-160°	29.3	0.2
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	3595.7	25.3
0°-40°	5912.9	41.7
0°-60°	10574.0	74.5
0°-90°	12863.9	90.6
90°-120°	969.9	6.8
90°-150°	1280.4	9.0
90°-180°	1330.0	9.4
0°-180°	14193.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4604	4604	4604	4604	4604	
5°	4562	4579	4603	4628	4638	434
15°	4423	4457	4423	4429	4432	1249
25°	4116	4123	4137	4144	4141	1899
35°	3679	3658	3700	3745	3734	2299
45°	3103	3098	3150	3224	3219	2399
55°	2432	2413	2495	2578	2585	2169
65°	1638	1638	1734	995	998	1624
75°	810	825	536	564	566	853
85°	106	134	167	181	171	156
90°	2	64	98	120	122	6
95°	26	83	143	190	209	84
105°	532	529	456	326	300	503
115°	367	369	375	371	358	370
125°	176	186	191	189	188	166
135°	104	108	110	112	112	83
145°	76	78	79	81	81	48
155°	61	62	63	63	64	29
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°	4604.4	4604.4	4604.4	4604.4	4604.4
2.5°	4572.1	4587.5	4604.4	4626.2	4638.3
5°	4561.6	4579.4	4602.8	4627.9	4637.6
7.5°	4539.0	4564.0	4586.7	4604.4	4610.1
10°	4510.7	4540.7	4553.6	4551.9	4547.9
12.5°	4472.8	4504.3	4500.2	4481.6	4484.8
15°	4423.4	4456.6	4422.7	4429.1	4432.3
17.5°	4365.2	4397.6	4358.0	4370.9	4371.8
20°	4297.4	4321.7	4290.9	4301.5	4301.5
22.5°	4215.8	4232.8	4219.8	4227.2	4228.8
25°	4116.4	4122.8	4137.4	4143.9	4140.7
27.5°	4021.2	4013.0	4041.3	4056.7	4048.5
30°	3915.3	3902.3	3935.4	3960.5	3950.8
32.5°	3794.1	3786.0	3824.0	3853.8	3848.2
35°	3679.3	3657.5	3699.5	3744.8	3734.3
37.5°	3543.6	3530.7	3578.3	3626.1	3620.4
40°	3411.1	3389.2	3443.4	3500.0	3494.3
42.5°	3268.9	3243.0	3302.0	3369.9	3363.4
45°	3103.2	3097.6	3150.1	3224.4	3218.8
47.5°	2956.2	2928.0	3001.4	3073.4	3079.9
50°	2778.4	2768.0	2835.1	2922.3	2928.8
52.5°	2604.8	2597.6	2667.8	2755.8	2767.2
55°	2431.8	2413.3	2494.9	2578.2	2584.7
57.5°	2246.9	2227.5	2310.8	2401.2	2414.9
60°	2048.9	2030.3	2121.6	2205.7	1754.1
62.5°	1851.0	1838.1	1933.4	1369.5	1103.7
65°	1638.5	1638.5	1733.8	994.6	997.8
67.5°	1439.8	1426.8	1292.8	893.5	893.5
70°	1226.4	1231.3	744.8	782.9	783.7
72.5°	1012.3	1030.2	643.2	673.8	675.4
75°	809.5	824.9	535.7	563.9	566.3
77.5°	594.7	457.3	430.6	452.5	453.2
80°	417.7	288.4	329.7	350.6	348.2
82.5°	243.9	201.9	241.6	256.9	256.1
85°	105.8	134.1	167.2	181.0	171.2
87.5°	33.8	83.3	104.2	112.3	111.4
90°	2.5	63.6	98.5	119.7	122.3
92.5°	8.3	58.8	103.0	134.2	143.2
95°	25.8	83.4	142.6	190.3	209.4
97.5°	140.0	172.8	208.0	252.3	269.0
100°	282.5	317.0	274.3	302.0	308.8
102.5°	455.7	447.9	337.8	315.8	311.7
105°	531.5	528.9	456.2	326.2	299.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	429.1	436.5	431.4	414.0	393.2
115°	367.3	369.0	374.7	370.7	358.2
117.5°	311.7	310.0	313.3	311.7	310.0
120°	260.0	263.3	264.2	262.5	261.7
122.5°	215.0	221.7	225.8	223.3	222.5
125°	175.8	185.8	190.8	189.2	188.3
127.5°	150.0	155.8	162.5	162.5	160.8
130°	130.0	134.2	139.2	140.0	140.0
132.5°	115.8	119.2	123.3	124.2	125.0
135°	104.2	107.5	110.0	111.7	112.5
137.5°	95.8	97.5	100.8	101.7	102.5
140°	87.5	90.0	92.5	93.3	94.2
142.5°	81.7	83.3	85.0	86.7	86.7
145°	75.8	77.5	79.2	80.8	80.8
147.5°	71.7	73.3	75.0	75.0	75.8
150°	67.5	69.2	70.0	70.8	70.8
152.5°	64.2	65.0	66.7	66.7	67.5
155°	60.8	61.7	63.3	63.3	64.2
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°	531.5	536.3	500.4	383.9	318.2
110°	491.6	498.1	478.8	433.2	375.8



(END OF REPORT)