

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: P829836

Luminaire Tested: **OHBL-15SE-MFL-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-MFL-UNV-L935-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

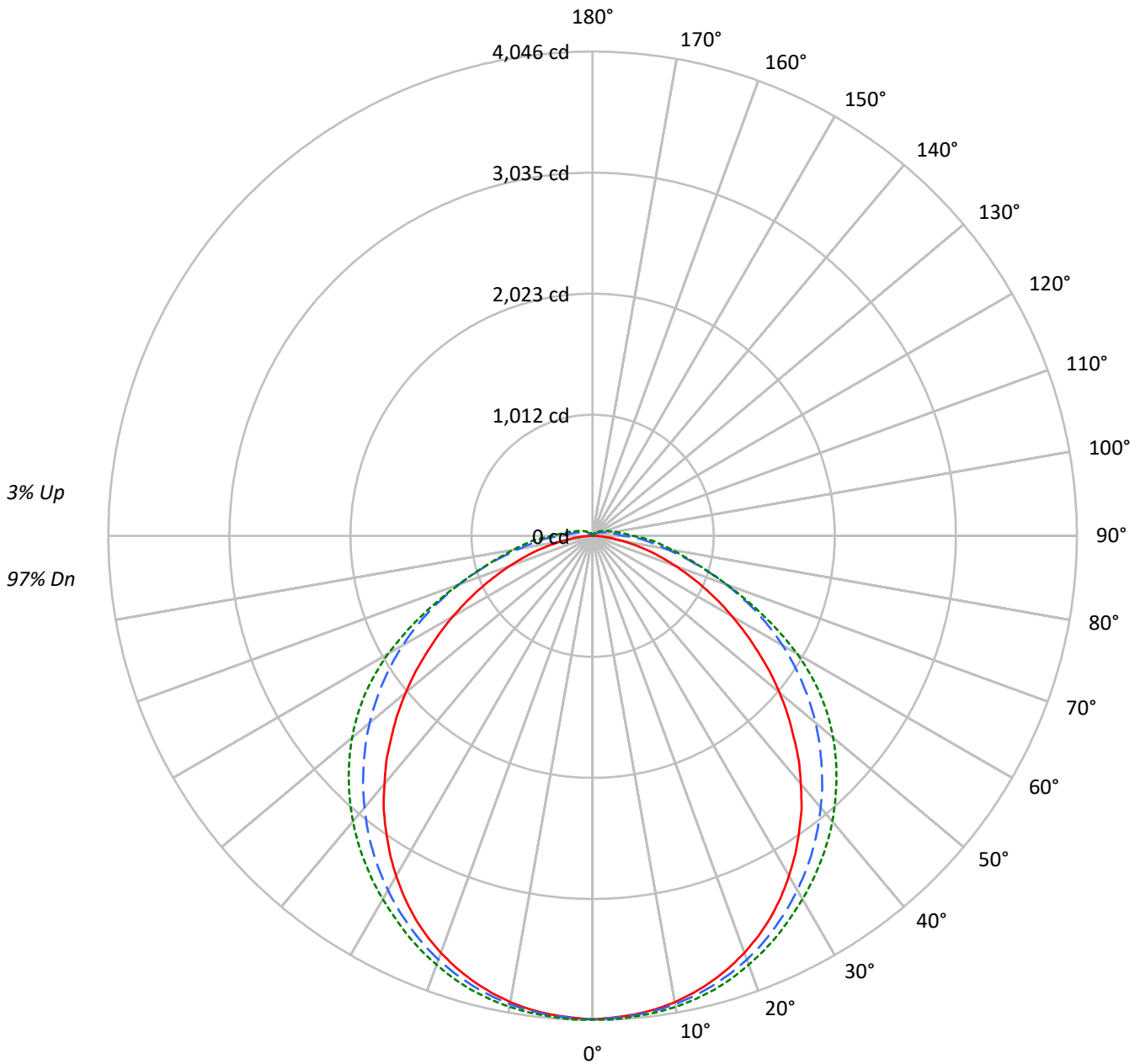
Lumens per Lamp: N/A
Luminaire Lumens: 12096.0 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 87
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				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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	80
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	32
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13149	13149	13149
5°	13065	12947	12954
10°	12973	12756	12778
15°	12828	12545	12584
20°	12636	12305	12349
25°	12379	12023	12111
30°	12023	11723	11871
35°	11593	11407	11642
40°	11075	11052	11409
45°	10465	10668	11136
50°	9798	10274	10820
55°	8978	9806	10378
60°	8138	9264	9654
65°	7221	8593	8585
70°	6227	7762	7436
75°	5221	6804	6540
80°	3958	5977	6048
85°	2504	5661	5972



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.0	3.2
10°-20°	1098.7	9.1
20°-30°	1661.6	13.7
30°-40°	1994.7	16.5
40°-50°	2060.2	17.0
50°-60°	1853.6	15.3
60°-70°	1396.3	11.5
70°-80°	843.1	7.0
80°-90°	412.3	3.4
90°-100°	173.6	1.4
100°-110°	99.1	0.8
110°-120°	58.2	0.5
120°-130°	32.9	0.3
130°-140°	17.3	0.1
140°-150°	8.4	0.1
150°-160°	3.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3143.2	26.0
0°-40°	5137.9	42.5
0°-60°	9051.7	74.8
0°-90°	11703.4	96.8
90°-120°	330.8	2.7
90°-150°	389.4	3.2
90°-180°	393.0	3.2
0°-180°	12096.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4042	4042	4042	4042	4042	
5°	4016	4027	4022	4038	4033	382
15°	3854	3872	3890	3923	3927	1086
25°	3519	3558	3608	3665	3674	1619
35°	3009	3079	3206	3303	3322	1881
45°	2375	2495	2703	2851	2881	1833
55°	1682	1857	2138	2300	2328	1509
65°	1027	1236	1513	1589	1571	1020
75°	484	694	876	899	890	516
85°	101	266	439	500	508	117
90°	0	104	251	316	329	6
95°	5	70	188	239	248	4
105°	7	41	109	142	148	7
115°	8	23	67	90	94	8
125°	8	11	41	58	61	7
135°	7	9	21	36	40	5
145°	10	9	10	18	21	6
155°	10	11	10	9	10	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4041.7	4041.7	4041.7	4041.7	4041.7
2.5°	4029.8	4039.7	4033.7	4046.6	4045.6
5°	4015.9	4026.8	4021.9	4037.7	4032.8
7.5°	3992.2	4004.1	4003.1	4020.9	4018.9
10°	3957.6	3970.4	3974.4	3998.1	3998.1
12.5°	3910.1	3926.9	3936.8	3965.5	3966.5
15°	3853.7	3872.5	3890.3	3923.0	3926.9
17.5°	3785.5	3809.2	3833.9	3871.5	3876.5
20°	3708.3	3735.0	3768.7	3808.2	3814.2
22.5°	3619.3	3650.9	3694.5	3741.0	3747.9
25°	3519.4	3558.0	3608.4	3664.8	3673.7
27.5°	3405.6	3450.1	3518.4	3581.7	3589.6
30°	3282.0	3334.4	3419.5	3494.7	3507.5
32.5°	3151.4	3211.8	3316.6	3400.7	3418.5
35°	3009.0	3079.2	3205.8	3302.8	3322.5
37.5°	2868.5	2945.7	3089.1	3199.9	3223.6
40°	2704.3	2800.3	2964.5	3087.1	3115.8
42.5°	2550.0	2653.9	2839.8	2973.4	3001.1
45°	2374.9	2494.6	2703.3	2850.7	2881.4
47.5°	2210.7	2340.3	2571.8	2724.1	2755.8
50°	2037.6	2180.1	2431.3	2590.6	2623.2
52.5°	1864.5	2017.9	2285.9	2451.1	2481.8
55°	1682.5	1856.6	2138.5	2299.8	2327.5
57.5°	1513.4	1697.4	1987.2	2140.5	2157.3
60°	1346.2	1537.1	1832.9	1967.4	1973.4
62.5°	1183.0	1383.8	1674.6	1781.5	1773.5
65°	1026.7	1236.4	1513.4	1588.6	1570.8
67.5°	876.4	1093.0	1348.2	1396.7	1372.9
70°	733.9	953.5	1188.0	1212.7	1190.9
72.5°	608.3	821.0	1025.7	1046.5	1030.7
75°	483.7	694.4	876.4	899.1	890.2
77.5°	367.0	571.7	738.9	768.6	770.5
80°	264.1	460.0	619.2	665.7	671.6
82.5°	174.1	357.1	519.3	578.7	587.6
85°	100.9	266.1	439.2	499.5	508.4
87.5°	43.5	191.9	353.1	407.5	418.4
90°	0.0	103.9	251.2	316.5	329.4
92.5°	3.0	86.1	215.6	275.0	285.9
95°	4.9	70.2	187.9	239.4	248.3
97.5°	5.9	59.3	163.2	208.7	217.6
100°	5.9	51.4	141.4	183.0	190.9
102.5°	5.9	45.5	123.6	160.2	167.2
105°	6.9	40.6	108.8	142.4	148.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	7.9	26.7	75.2	100.9	104.8
115°	7.9	22.8	67.3	90.0	94.0
117.5°	8.9	19.8	59.3	81.1	84.1
120°	8.9	16.8	52.4	72.2	76.2
122.5°	8.9	13.8	46.5	65.3	68.3
125°	7.9	10.9	40.6	58.4	61.3
127.5°	6.9	8.9	34.6	52.4	55.4
130°	6.9	7.9	29.7	46.5	49.5
132.5°	6.9	8.9	24.7	40.6	44.5
135°	6.9	8.9	20.8	35.6	39.6
137.5°	6.9	8.9	16.8	30.7	34.6
140°	7.9	8.9	13.8	25.7	29.7
142.5°	8.9	8.9	10.9	21.8	24.7
145°	9.9	8.9	9.9	17.8	20.8
147.5°	9.9	9.9	9.9	13.8	16.8
150°	9.9	10.9	9.9	10.9	13.8
152.5°	9.9	10.9	9.9	8.9	10.9
155°	9.9	10.9	9.9	8.9	9.9
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	6.9	35.6	95.9	126.6	131.6
110°	6.9	31.7	85.1	112.8	117.7



(END OF REPORT)