

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: P829837

Luminaire Tested: **OHBL-15SE-MFL-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829837
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-L940-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

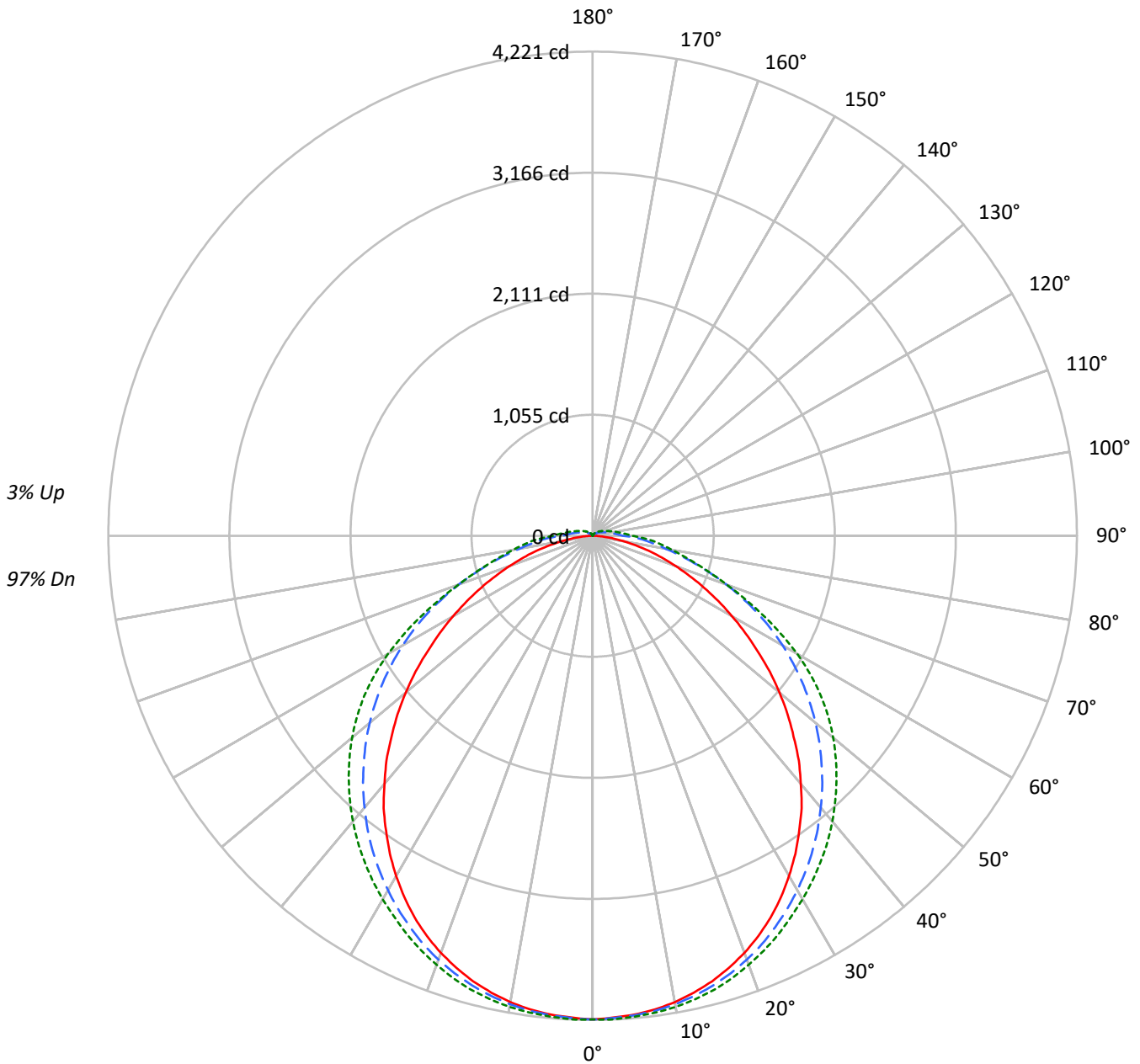
Lumens per Lamp: N/A
Luminaire Lumens: 12620.0 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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									
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	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°	13718	13718	13718
5°	13631	13507	13515
10°	13535	13309	13332
15°	13384	13089	13129
20°	13183	12838	12884
25°	12915	12544	12636
30°	12544	12231	12385
35°	12095	11901	12147
40°	11555	11530	11903
45°	10919	11130	11618
50°	10223	10720	11289
55°	9367	10231	10827
60°	8490	9666	10072
65°	7534	8966	8956
70°	6497	8098	7758
75°	5447	7099	6823
80°	4129	6236	6310
85°	2614	5906	6231



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.6	3.2
10°-20°	1146.3	9.1
20°-30°	1733.5	13.7
30°-40°	2081.1	16.5
40°-50°	2149.5	17.0
50°-60°	1933.9	15.3
60°-70°	1456.7	11.5
70°-80°	879.6	7.0
80°-90°	430.2	3.4
90°-100°	181.1	1.4
100°-110°	103.4	0.8
110°-120°	60.7	0.5
120°-130°	34.3	0.3
130°-140°	18.1	0.1
140°-150°	8.8	0.1
150°-160°	3.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3279.4	26.0
0°-40°	5360.5	42.5
0°-60°	9443.8	74.8
0°-90°	12210.4	96.8
90°-120°	345.1	2.7
90°-150°	406.3	3.2
90°-180°	410.0	3.2
0°-180°	12620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4217	4217	4217	4217	4217	
5°	4190	4201	4196	4213	4208	398
15°	4021	4040	4059	4093	4097	1134
25°	3672	3712	3765	3824	3833	1689
35°	3139	3213	3345	3446	3466	1963
45°	2478	2603	2820	2974	3006	1913
55°	1755	1937	2231	2399	2428	1574
65°	1071	1290	1579	1657	1639	1064
75°	505	724	914	938	929	538
85°	105	278	458	521	530	122
90°	0	108	262	330	344	7
95°	5	73	196	250	259	4
105°	7	42	114	149	155	7
115°	8	24	70	94	98	8
125°	8	11	42	61	64	7
135°	7	9	22	37	41	6
145°	10	9	10	19	22	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°	4216.7	4216.7	4216.7	4216.7	4216.7
2.5°	4204.4	4214.7	4208.5	4221.9	4220.9
5°	4189.9	4201.3	4196.1	4212.6	4207.5
7.5°	4165.1	4177.5	4176.5	4195.1	4193.0
10°	4129.0	4142.4	4146.6	4171.3	4171.3
12.5°	4079.5	4097.0	4107.4	4137.3	4138.3
15°	4020.7	4040.3	4058.8	4092.9	4097.0
17.5°	3949.5	3974.2	4000.0	4039.2	4044.4
20°	3869.0	3896.8	3931.9	3973.2	3979.4
22.5°	3776.1	3809.1	3854.5	3903.0	3910.2
25°	3671.8	3712.1	3764.7	3823.6	3832.8
27.5°	3553.2	3599.6	3670.8	3736.9	3745.1
30°	3424.2	3478.9	3567.6	3646.0	3659.5
32.5°	3287.9	3350.9	3460.3	3548.0	3566.6
35°	3139.3	3212.6	3344.7	3445.8	3466.5
37.5°	2992.8	3073.3	3222.9	3338.5	3363.3
40°	2821.5	2921.6	3092.9	3220.9	3250.8
42.5°	2660.5	2768.9	2962.9	3102.2	3131.1
45°	2477.8	2602.7	2820.5	2974.2	3006.2
47.5°	2306.5	2441.7	2683.2	2842.1	2875.1
50°	2125.9	2274.5	2536.7	2702.8	2736.9
52.5°	1945.3	2105.3	2384.9	2557.3	2589.3
55°	1755.4	1937.1	2231.2	2399.4	2428.3
57.5°	1579.0	1770.9	2073.3	2233.2	2250.8
60°	1404.5	1603.7	1912.3	2052.6	2058.8
62.5°	1234.3	1443.8	1747.2	1858.6	1850.4
65°	1071.2	1290.0	1579.0	1657.4	1638.8
67.5°	914.4	1140.4	1406.6	1457.2	1432.4
70°	765.7	994.8	1239.4	1265.2	1242.5
72.5°	634.7	856.6	1070.2	1091.9	1075.3
75°	504.6	724.5	914.4	938.1	928.8
77.5°	382.9	596.5	770.9	801.9	803.9
80°	275.5	479.9	646.0	694.5	700.7
82.5°	181.6	372.6	541.8	603.7	613.0
85°	105.3	277.6	458.2	521.2	530.4
87.5°	45.4	200.2	368.4	425.2	436.5
90°	0.0	108.4	262.1	330.2	343.7
92.5°	3.1	89.8	225.0	286.9	298.2
95°	5.2	73.3	196.1	249.7	259.0
97.5°	6.2	61.9	170.3	217.8	227.0
100°	6.2	53.7	147.6	190.9	199.2
102.5°	6.2	47.5	129.0	167.2	174.4
105°	7.2	42.3	113.5	148.6	154.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	8.3	27.9	78.4	105.3	109.4
115°	8.3	23.7	70.2	93.9	98.0
117.5°	9.3	20.6	61.9	84.6	87.7
120°	9.3	17.5	54.7	75.3	79.5
122.5°	9.3	14.4	48.5	68.1	71.2
125°	8.3	11.4	42.3	60.9	64.0
127.5°	7.2	9.3	36.1	54.7	57.8
130°	7.2	8.3	31.0	48.5	51.6
132.5°	7.2	9.3	25.8	42.3	46.4
135°	7.2	9.3	21.7	37.2	41.3
137.5°	7.2	9.3	17.5	32.0	36.1
140°	8.3	9.3	14.4	26.8	31.0
142.5°	9.3	9.3	11.4	22.7	25.8
145°	10.3	9.3	10.3	18.6	21.7
147.5°	10.3	10.3	10.3	14.4	17.5
150°	10.3	11.4	10.3	11.4	14.4
152.5°	10.3	11.4	10.3	9.3	11.4
155°	10.3	11.4	10.3	9.3	10.3
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°	7.2	37.2	100.1	132.1	137.3
110°	7.2	33.0	88.8	117.6	122.8



(END OF REPORT)