

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: P829832

Luminaire Tested: **OHBL-15SE-MFL-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P829832
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-L835-CD
Description: 15000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

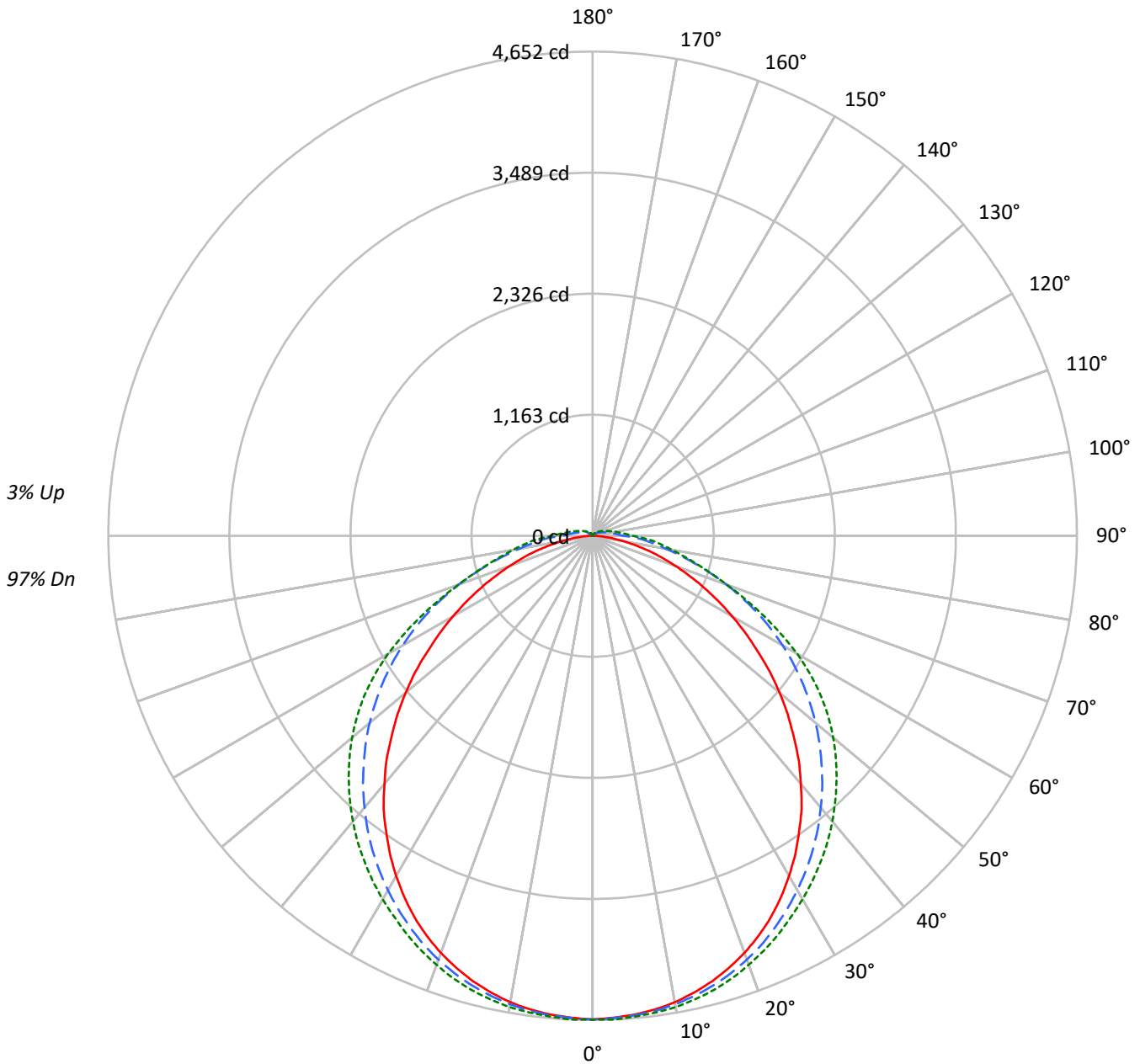
Lumens per Lamp: N/A
Luminaire Lumens: 13909.9 lumens
Efficiency: N/A
Efficacy: 159.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 3.78' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15121	15121	15121
5°	15024	14888	14897
10°	14919	14669	14695
15°	14752	14427	14471
20°	14531	14150	14201
25°	14235	13826	13928
30°	13826	13481	13651
35°	13331	13118	13389
40°	12736	12709	13120
45°	12035	12268	12805
50°	11268	11815	12443
55°	10325	11277	11934
60°	9358	10654	11102
65°	8304	9882	9872
70°	7161	8926	8551
75°	6004	7824	7521
80°	4552	6874	6956
85°	2879	6509	6869



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.4	3.2
10°-20°	1263.4	9.1
20°-30°	1910.7	13.7
30°-40°	2293.9	16.5
40°-50°	2369.2	17.0
50°-60°	2131.5	15.3
60°-70°	1605.6	11.5
70°-80°	969.5	7.0
80°-90°	474.2	3.4
90°-100°	199.6	1.4
100°-110°	113.9	0.8
110°-120°	66.9	0.5
120°-130°	37.8	0.3
130°-140°	19.9	0.1
140°-150°	9.7	0.1
150°-160°	3.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3614.6	26.0
0°-40°	5908.5	42.5
0°-60°	10409.2	74.8
0°-90°	13458.5	96.8
90°-120°	380.4	2.7
90°-150°	447.8	3.2
90°-180°	451.0	3.2
0°-180°	13909.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4648	4648	4648	4648	4648	
5°	4618	4631	4625	4643	4638	439
15°	4432	4453	4474	4511	4516	1249
25°	4047	4092	4150	4214	4225	1862
35°	3460	3541	3687	3798	3821	2163
45°	2731	2869	3109	3278	3314	2108
55°	1935	2135	2459	2645	2676	1735
65°	1181	1422	1740	1827	1806	1173
75°	556	798	1008	1034	1024	593
85°	116	306	505	574	585	134
90°	0	119	289	364	379	7
95°	6	81	216	275	286	5
105°	8	47	125	164	171	8
115°	9	26	77	104	108	9
125°	9	12	47	67	70	8
135°	8	10	24	41	46	6
145°	11	10	11	20	24	7
155°	11	12	11	10	11	4
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°	4647.8	4647.8	4647.8	4647.8	4647.8
2.5°	4634.1	4645.5	4638.7	4653.5	4652.3
5°	4618.2	4630.7	4625.0	4643.2	4637.5
7.5°	4590.9	4604.5	4603.4	4623.9	4621.6
10°	4551.1	4565.9	4570.4	4597.7	4597.7
12.5°	4496.5	4515.8	4527.2	4560.2	4561.3
15°	4431.7	4453.3	4473.7	4511.3	4515.8
17.5°	4353.2	4380.5	4408.9	4452.1	4457.8
20°	4264.4	4295.2	4333.8	4379.3	4386.2
22.5°	4162.1	4198.5	4248.5	4302.0	4309.9
25°	4047.2	4091.5	4149.6	4214.4	4224.6
27.5°	3916.4	3967.6	4046.0	4118.8	4127.9
30°	3774.2	3834.5	3932.3	4018.7	4033.5
32.5°	3624.0	3693.4	3814.0	3910.7	3931.2
35°	3460.2	3541.0	3686.6	3798.1	3820.8
37.5°	3298.7	3387.4	3552.4	3679.8	3707.1
40°	3109.9	3220.2	3409.0	3550.1	3583.1
42.5°	2932.4	3051.9	3265.7	3419.3	3451.1
45°	2731.1	2868.7	3108.8	3278.2	3313.5
47.5°	2542.3	2691.3	2957.5	3132.6	3169.0
50°	2343.2	2507.0	2795.9	2979.1	3016.6
52.5°	2144.2	2320.5	2628.7	2818.7	2854.0
55°	1934.9	2135.1	2459.2	2644.7	2676.5
57.5°	1740.4	1951.9	2285.2	2461.5	2480.9
60°	1548.1	1767.7	2107.8	2262.5	2269.3
62.5°	1360.4	1591.3	1925.8	2048.6	2039.5
65°	1180.7	1421.9	1740.4	1826.8	1806.3
67.5°	1007.8	1256.9	1550.4	1606.1	1578.8
70°	844.0	1096.5	1366.1	1394.6	1369.5
72.5°	699.6	944.1	1179.6	1203.5	1185.3
75°	556.2	798.5	1007.8	1034.0	1023.7
77.5°	422.0	657.5	849.7	883.8	886.1
80°	303.7	528.9	712.1	765.5	772.4
82.5°	200.2	410.6	597.2	665.4	675.7
85°	116.0	306.0	505.0	574.4	584.7
87.5°	50.0	220.7	406.1	468.6	481.2
90°	0.0	119.4	288.9	364.0	378.8
92.5°	3.4	99.0	248.0	316.2	328.7
95°	5.7	80.8	216.1	275.3	285.5
97.5°	6.8	68.2	187.7	240.0	250.2
100°	6.8	59.1	162.7	210.4	219.5
102.5°	6.8	52.3	142.2	184.3	192.2
105°	8.0	46.6	125.1	163.8	170.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	9.1	30.7	86.4	116.0	120.6
115°	9.1	26.2	77.3	103.5	108.1
117.5°	10.2	22.7	68.2	93.3	96.7
120°	10.2	19.3	60.3	83.0	87.6
122.5°	10.2	15.9	53.5	75.1	78.5
125°	9.1	12.5	46.6	67.1	70.5
127.5°	8.0	10.2	39.8	60.3	63.7
130°	8.0	9.1	34.1	53.5	56.9
132.5°	8.0	10.2	28.4	46.6	51.2
135°	8.0	10.2	23.9	40.9	45.5
137.5°	8.0	10.2	19.3	35.3	39.8
140°	9.1	10.2	15.9	29.6	34.1
142.5°	10.2	10.2	12.5	25.0	28.4
145°	11.4	10.2	11.4	20.5	23.9
147.5°	11.4	11.4	11.4	15.9	19.3
150°	11.4	12.5	11.4	12.5	15.9
152.5°	11.4	12.5	11.4	10.2	12.5
155°	11.4	12.5	11.4	10.2	11.4
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°	8.0	40.9	110.3	145.6	151.3
110°	8.0	36.4	97.8	129.7	135.4



(END OF REPORT)