

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: P828993

Luminaire Tested: **OHB-15SE-NL-UNV-L840-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-15SE-NL-UNV-L840-CD
Description: 15000 LUMEN OHB SE LED LUMINAIRE WITH 80CRI, 4000K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

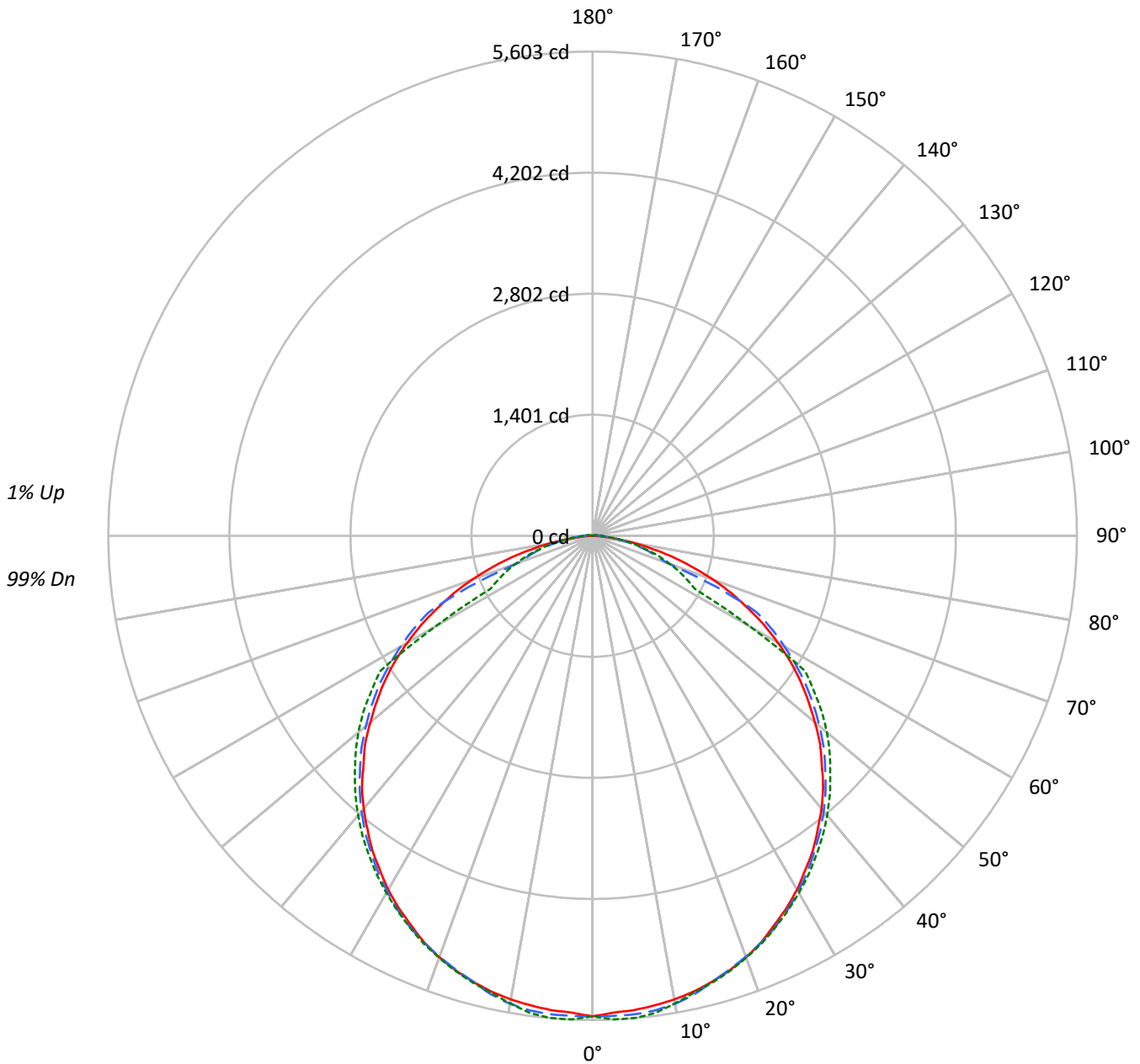
Lumens per Lamp: N/A
Luminaire Lumens: 15615.0 lumens
Efficiency: N/A
Efficacy: 160.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 0.88' x L: 1.93' x H: 0')
CIE Type: Direct

Input Watts (W): 97.1
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									
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35389	35389	35389
5°	35193	35511	35779
10°	35202	35537	35493
15°	35196	35190	35267
20°	35148	35095	35181
25°	34908	35086	35114
30°	34747	34926	35063
35°	34521	34711	35037
40°	34223	34548	35059
45°	33730	34239	34986
50°	33222	33899	35018
55°	32586	33431	34632
60°	31494	32612	26962
65°	29797	31530	18145
70°	27560	16738	17610
75°	24039	15906	16818
80°	18486	14591	15412
85°	9330	14747	15098



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.4	3.4
10°-20°	1512.9	9.7
20°-30°	2302.0	14.7
30°-40°	2798.9	17.9
40°-50°	2942.9	18.8
50°-60°	2687.2	17.2
60°-70°	1722.6	11.0
70°-80°	813.8	5.2
80°-90°	225.6	1.4
90°-100°	59.8	0.4
100°-110°	16.4	0.1
110°-120°	4.5	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4343.3	27.8
0°-40°	7142.2	45.7
0°-60°	12772.3	81.8
0°-90°	15534.4	99.5
90°-120°	80.7	0.5
90°-150°	80.7	0.5
90°-180°	81.0	0.5
0°-180°	15615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5562	5562	5562	5562	5562	
5°	5510	5531	5560	5590	5602	524
15°	5343	5383	5342	5350	5354	1508
25°	4972	4980	4998	5005	5002	2294
35°	4444	4418	4469	4523	4511	2777
45°	3748	3742	3805	3895	3888	2897
55°	2937	2915	3014	3114	3122	2620
65°	1979	1979	2094	1201	1205	1962
75°	978	996	647	681	684	1031
85°	128	162	202	219	207	189
90°	0	55	90	106	104	6
95°	3	28	64	87	87	2
105°	5	11	16	16	15	5
115°	5	7	10	7	1	3
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: OHB-15SE-NL-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5561.7	5561.7	5561.7	5561.7	5561.7
2.5°	5522.6	5541.2	5561.7	5588.0	5602.6
5°	5509.9	5531.4	5559.7	5590.0	5601.6
7.5°	5482.6	5512.8	5540.2	5561.7	5568.5
10°	5448.4	5484.6	5500.2	5498.2	5493.4
12.5°	5402.5	5440.7	5435.8	5413.3	5417.2
15°	5343.0	5383.0	5342.1	5349.9	5353.8
17.5°	5272.8	5311.8	5264.0	5279.6	5280.6
20°	5190.8	5220.1	5183.0	5195.7	5195.7
22.5°	5092.3	5112.7	5097.1	5105.9	5107.9
25°	4972.2	4980.0	4997.5	5005.4	5001.5
27.5°	4857.1	4847.3	4881.5	4900.0	4890.2
30°	4729.2	4713.6	4753.6	4783.9	4772.2
32.5°	4582.8	4573.1	4619.0	4655.0	4648.2
35°	4444.2	4417.9	4468.6	4523.3	4510.6
37.5°	4280.3	4264.7	4322.2	4379.9	4373.1
40°	4120.2	4093.9	4159.3	4227.6	4220.8
42.5°	3948.5	3917.2	3988.5	4070.5	4062.7
45°	3748.4	3741.6	3805.0	3894.8	3888.0
47.5°	3570.9	3536.7	3625.4	3712.3	3720.2
50°	3356.1	3343.5	3424.5	3529.9	3537.6
52.5°	3146.3	3137.5	3222.4	3328.8	3342.4
55°	2937.4	2915.0	3013.6	3114.1	3121.9
57.5°	2714.0	2690.6	2791.1	2900.4	2917.0
60°	2474.8	2452.4	2562.7	2664.2	2118.7
62.5°	2235.8	2220.2	2335.4	1654.2	1333.1
65°	1979.1	1979.1	2094.2	1201.3	1205.2
67.5°	1739.1	1723.5	1561.5	1079.3	1079.3
70°	1481.4	1487.3	899.7	945.7	946.6
72.5°	1222.8	1244.3	776.9	813.9	815.8
75°	977.8	996.4	647.0	681.2	684.1
77.5°	718.3	552.4	520.1	546.6	547.5
80°	504.5	348.4	398.2	423.5	420.6
82.5°	294.7	243.9	291.8	310.4	309.3
85°	127.8	162.0	202.0	218.6	206.8
87.5°	40.9	100.5	125.8	135.7	134.6
90°	0.0	54.7	89.8	106.3	104.5
92.5°	0.0	42.9	78.1	97.6	98.6
95°	2.9	28.3	64.5	86.9	86.9
97.5°	2.0	20.5	45.9	68.3	70.3
100°	2.0	16.5	30.3	48.8	49.8
102.5°	4.9	13.6	18.5	31.2	32.2
105°	4.9	10.7	15.6	15.6	14.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.9	7.9	10.7	7.9	0.9
115°	4.9	6.8	9.7	6.8	0.9
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	4.9	9.7	13.6	8.8	2.9
110°	5.9	8.8	11.7	7.9	0.9



(END OF REPORT)