

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: P828869

Luminaire Tested: **OHB-15HE-A-UNV-L740-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2103-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-15HE-A-UNV-L740-CD
Description: 15000 LUMEN OHB HE LED LUMINAIRE WITH 70CRI, 4000K LEDS AND AISLE LENS
Light Source: -
Ballast/Driver: -

Summary

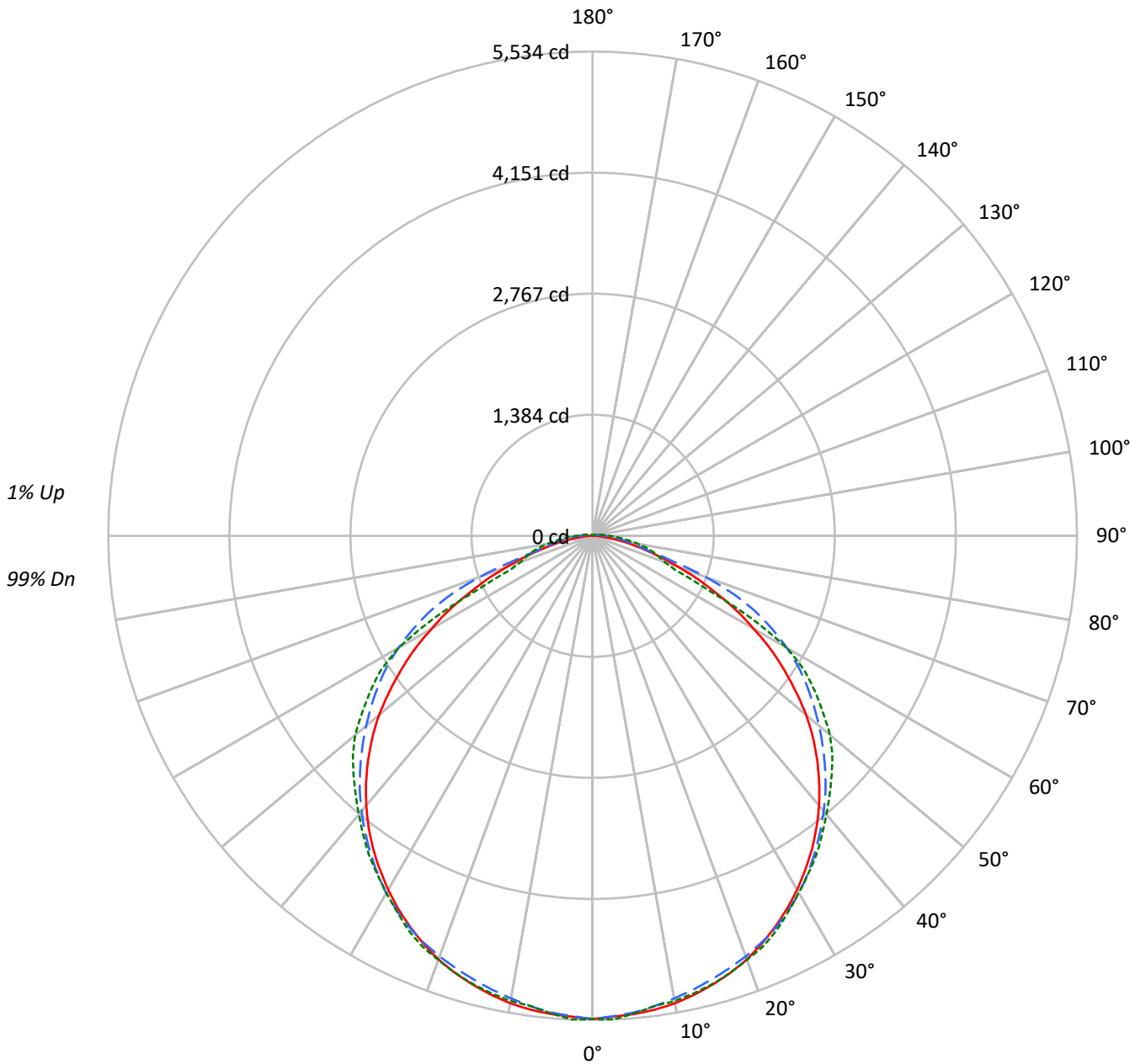
Lumens per Lamp: N/A
Luminaire Lumens: 15610.1 lumens
Efficiency: N/A
Efficacy: 195.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 80
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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101				99																
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86				83																
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72				70																
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61				59																
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	62	57	53				51																
5	76	64	55	48	74	62	54	48	60	53	47	58	52	46	56	50	46				44																
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40				38																
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36				34																
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	42	36	32				30																
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29				27																
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26				24																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18449	18449	18449
5°	18261	18126	18208
10°	18128	17798	17994
15°	17945	17539	17862
20°	17761	17356	17692
25°	17476	17171	17523
30°	17168	16910	17179
35°	16811	16527	16982
40°	16367	16131	16719
45°	15778	15678	16592
50°	15008	15166	16441
55°	13843	14652	15806
60°	12352	13932	14588
65°	10452	12679	9225
70°	8260	9770	6669
75°	6020	5694	6740
80°	3992	4599	6391
85°	2050	3995	5912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.8	3.3
10°-20°	1493.3	9.6
20°-30°	2280.7	14.6
30°-40°	2767.3	17.7
40°-50°	2900.4	18.6
50°-60°	2628.2	16.8
60°-70°	1762.1	11.3
70°-80°	791.2	5.1
80°-90°	287.1	1.8
90°-100°	86.4	0.6
100°-110°	40.8	0.3
110°-120°	20.4	0.1
120°-130°	11.3	0.1
130°-140°	7.8	0.0
140°-150°	5.2	0.0
150°-160°	3.9	0.0
160°-170°	2.5	0.0
170°-180°	0.8	0.0
0°-30°	4294.7	27.5
0°-40°	7062.0	45.2
0°-60°	12590.5	80.7
0°-90°	15430.9	98.9
90°-120°	147.7	0.9
90°-150°	171.9	1.1
90°-180°	179.0	1.1
0°-180°	15610.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5523	5523	5523	5523	5523	
5°	5487	5506	5468	5484	5477	522
15°	5309	5288	5250	5297	5303	1499
25°	4932	4910	4945	4990	4976	2273
35°	4371	4382	4426	4474	4456	2732
45°	3628	3687	3756	3851	3863	2795
55°	2670	2798	2989	3109	3102	2383
65°	1567	1812	2057	1736	1417	1561
75°	616	894	658	673	717	674
85°	106	204	261	315	331	130
90°	1	68	135	169	177	6
95°	1	42	93	113	116	1
105°	3	18	46	55	58	4
115°	6	10	23	30	31	6
125°	6	6	14	17	18	6
135°	7	8	9	13	14	6
145°	7	8	8	9	10	5
155°	8	9	9	9	8	4
165°	9	9	9	9	9	2
175°	9	9	8	7	7	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5522.8	5522.8	5522.8	5522.8	5522.8
2.5°	5500.5	5523.6	5494.9	5526.0	5534.0
5°	5486.9	5506.1	5467.7	5484.5	5477.3
7.5°	5462.1	5468.5	5423.0	5436.6	5422.2
10°	5425.4	5422.2	5368.7	5395.1	5398.3
12.5°	5371.1	5361.5	5313.6	5353.5	5354.3
15°	5308.8	5288.1	5250.5	5296.8	5303.2
17.5°	5236.9	5209.8	5185.0	5244.9	5235.4
20°	5153.1	5121.2	5116.4	5181.8	5157.9
22.5°	5049.3	5024.5	5035.7	5098.0	5082.8
25°	4931.9	4910.3	4944.7	4990.2	4975.8
27.5°	4808.1	4795.3	4834.5	4869.6	4841.7
30°	4672.4	4665.2	4717.1	4745.8	4710.7
32.5°	4524.6	4527.0	4576.5	4615.7	4582.9
35°	4371.3	4381.7	4426.4	4473.5	4456.0
37.5°	4202.8	4226.0	4270.7	4324.2	4305.8
40°	4024.7	4058.3	4107.8	4172.5	4155.7
42.5°	3832.3	3874.6	3938.5	4010.4	4008.8
45°	3627.9	3686.9	3755.6	3851.4	3863.4
47.5°	3415.4	3481.7	3568.8	3696.5	3714.9
50°	3184.7	3267.7	3376.3	3529.6	3540.8
52.5°	2927.5	3040.9	3184.7	3331.6	3318.0
55°	2669.6	2798.1	2989.0	3108.8	3101.6
57.5°	2412.4	2557.0	2788.6	2874.0	2873.2
60°	2125.0	2307.8	2561.0	2625.7	2561.8
62.5°	1859.0	2055.5	2318.2	2271.1	2052.3
65°	1566.8	1811.9	2057.1	1736.1	1417.4
67.5°	1307.2	1562.8	1747.2	1189.1	1018.2
70°	1046.1	1328.0	1362.3	882.4	870.4
72.5°	814.5	1114.8	939.9	755.4	793.8
75°	616.5	894.4	658.0	673.2	717.1
77.5°	449.6	686.8	511.9	590.1	626.1
80°	309.0	486.3	417.6	495.9	520.7
82.5°	194.0	321.0	334.6	399.3	424.8
85°	106.2	203.6	261.1	315.4	330.6
87.5°	43.9	123.0	199.6	243.6	256.3
90°	0.8	67.9	135.0	169.3	177.3
92.5°	0.8	51.9	110.2	136.6	142.1
95°	0.8	42.3	92.6	112.6	115.8
97.5°	1.6	33.5	77.5	93.4	96.6
100°	2.4	27.9	64.7	78.3	80.7
102.5°	3.2	22.4	54.3	65.5	67.9
105°	3.2	18.4	45.5	55.1	57.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.6	11.2	27.2	34.3	35.9
115°	6.4	9.6	23.2	29.5	31.1
117.5°	6.4	8.0	20.0	24.8	26.4
120°	6.4	7.2	17.6	21.6	22.4
122.5°	6.4	6.4	15.2	19.2	20.0
125°	5.6	6.4	14.4	16.8	17.6
127.5°	6.4	6.4	12.8	15.2	16.0
130°	6.4	7.2	11.2	14.4	14.4
132.5°	7.2	8.0	10.4	13.6	13.6
135°	7.2	8.0	8.8	12.8	13.6
137.5°	8.0	8.0	8.0	12.0	12.8
140°	8.0	8.0	7.2	10.4	11.2
142.5°	7.2	8.0	7.2	9.6	10.4
145°	7.2	8.0	8.0	8.8	9.6
147.5°	8.0	8.0	8.0	8.0	8.8
150°	8.0	8.0	8.0	8.0	8.0
152.5°	8.0	8.0	8.0	8.0	8.0
155°	8.0	8.8	8.8	8.8	8.0
157.5°	8.0	8.8	8.8	8.8	8.8
160°	8.0	8.8	8.8	8.8	8.8
162.5°	8.8	8.8	8.8	8.8	8.8
165°	8.8	8.8	8.8	8.8	8.8
167.5°	8.8	9.6	8.8	8.8	8.8
170°	8.8	8.8	8.8	8.0	8.0
172.5°	8.8	8.8	8.8	8.0	8.0
175°	8.8	8.8	8.0	7.2	7.2
177.5°	9.6	8.8	8.0	7.2	6.4
180°	8.0	8.0	8.0	8.0	8.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	4.0	15.2	39.1	47.1	48.7
110°	4.8	12.8	32.7	39.9	41.5



(END OF REPORT)