

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: P836967

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

Issue Date: 5/16/2024



Test Information

Test Method: LM-79-08
Report Number: P836967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/16/2024
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

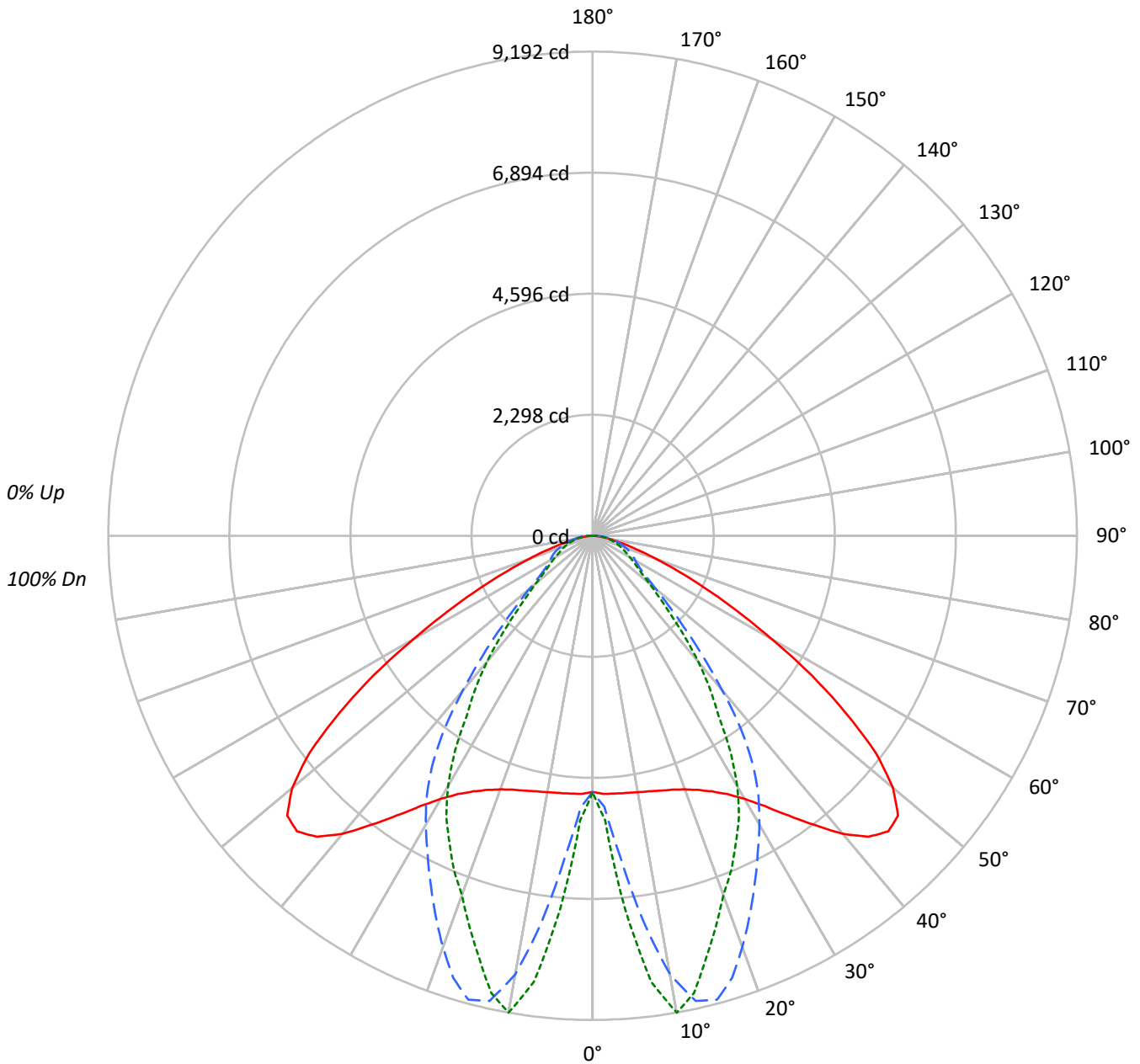
Lumens per Lamp: N/A
Luminaire Lumens: 15610.0 lumens
Efficiency: N/A
Efficacy: 195.1 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1.93' x H: 0.17')
CIE Type: Direct

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	111	111	111	106	106	106	102	102	102	100																			
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88																			
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76																			
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67																			
4	88	77	70	64	86	76	69	63	74	68	63	72	66	62	69	65	61	59																			
5	82	70	62	56	80	69	62	56	67	61	56	65	60	55	64	59	55	53																			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42																			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	39																			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35																			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16250	16250	16250
5°	16352	20385	23705
10°	16518	28033	30641
15°	16932	30459	27983
20°	17654	28186	24881
25°	18966	25278	22636
30°	21178	22695	20012
35°	24935	19801	15847
40°	30032	15027	12524
45°	34514	10198	8844
50°	35066	6964	6481
55°	30432	5451	5237
60°	22805	5068	4647
65°	15695	5042	4324
70°	10091	4812	4087
75°	6117	4385	3770
80°	3646	3761	3659
85°	1799	3089	2985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	635.1	4.1
10°-20°	2241.4	14.4
20°-30°	3302.9	21.2
30°-40°	3470.8	22.2
40°-50°	2655.8	17.0
50°-60°	1603.7	10.3
60°-70°	978.6	6.3
70°-80°	534.1	3.4
80°-90°	187.5	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	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°	6179.4	39.6
0°-40°	9650.2	61.8
0°-60°	13909.7	89.1
0°-90°	15610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15610.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4864	4864	4864	4864	4864	
5°	4913	5271	6149	6866	7131	470
15°	5009	7802	9118	8508	8308	1424
25°	5353	9055	7279	6590	6428	2502
35°	6484	7251	5303	4416	4158	4113
45°	7936	4138	2443	2150	2059	5996
55°	5869	1403	1112	1031	1028	5186
65°	2353	888	818	700	664	2411
75°	626	552	507	418	401	721
85°	93	171	202	184	167	120
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4864.5	4864.5	4864.5	4864.5	4864.5
2.5°	4904.3	4954.4	5151.7	5356.6	5406.4
5°	4913.3	5271.3	6149.3	6866.2	7131.1
7.5°	4923.7	5784.6	7385.2	8263.0	8544.0
10°	4943.6	6433.8	8456.1	9086.3	9192.5
12.5°	4968.2	7121.5	9045.4	9022.5	8888.6
15°	5009.1	7801.8	9118.0	8508.5	8308.4
17.5°	5052.0	8377.3	8801.4	7949.0	7774.9
20°	5121.9	8804.5	8308.9	7451.7	7253.8
22.5°	5222.7	9039.4	7792.4	7002.0	6872.9
25°	5352.6	9054.6	7279.4	6590.4	6427.7
27.5°	5526.8	8844.5	6787.8	6187.2	6015.3
30°	5763.8	8442.4	6330.9	5701.0	5487.8
32.5°	6085.6	7863.5	5859.9	5114.0	4874.9
35°	6483.6	7251.1	5303.2	4416.4	4158.2
37.5°	6917.9	6571.0	4627.5	3798.8	3648.4
40°	7385.2	5870.4	3826.7	3220.7	3113.1
42.5°	7749.8	5108.6	3082.9	2676.5	2562.0
45°	7935.7	4137.5	2442.9	2149.6	2059.3
47.5°	7863.3	3211.8	1936.6	1708.0	1680.9
50°	7440.9	2371.5	1550.3	1407.0	1395.7
52.5°	6780.5	1767.7	1280.6	1191.9	1172.5
55°	5868.7	1403.0	1112.0	1030.7	1027.6
57.5°	4927.3	1191.9	1009.4	946.4	924.5
60°	3923.1	1062.8	931.6	860.5	816.0
62.5°	3075.1	972.5	874.4	777.9	736.4
65°	2352.8	888.2	818.1	700.1	664.4
67.5°	1753.9	807.9	749.3	618.3	597.4
70°	1277.9	725.5	670.9	549.9	533.4
72.5°	910.7	643.3	592.4	485.6	467.5
75°	626.4	552.4	506.7	418.0	401.1
77.5°	422.6	459.5	422.2	356.9	349.8
80°	282.2	364.4	341.5	302.5	298.1
82.5°	171.3	264.5	269.5	245.9	234.0
85°	93.2	171.3	201.9	184.0	166.9
87.5°	36.5	94.9	139.1	125.0	117.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







(END OF REPORT)