

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: P#

Luminaire Tested: **LHBS-1824-UNV-L84050 (18K LUMEN 4000K CCT SETTINGS)**

Issue Date: 2/20/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-831-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/20/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: LHBS-1824-UNV-L84050 (18K LUMEN 4000K CCT SETTINGS)  
Description: CCT AND LUMEN SELECTABLE LINEAR LED LENS HIGH BAY SET AT 18000 LUMENS AND 4000K CCT SETTING  
  
Light Source: -  
Ballast/Driver: -

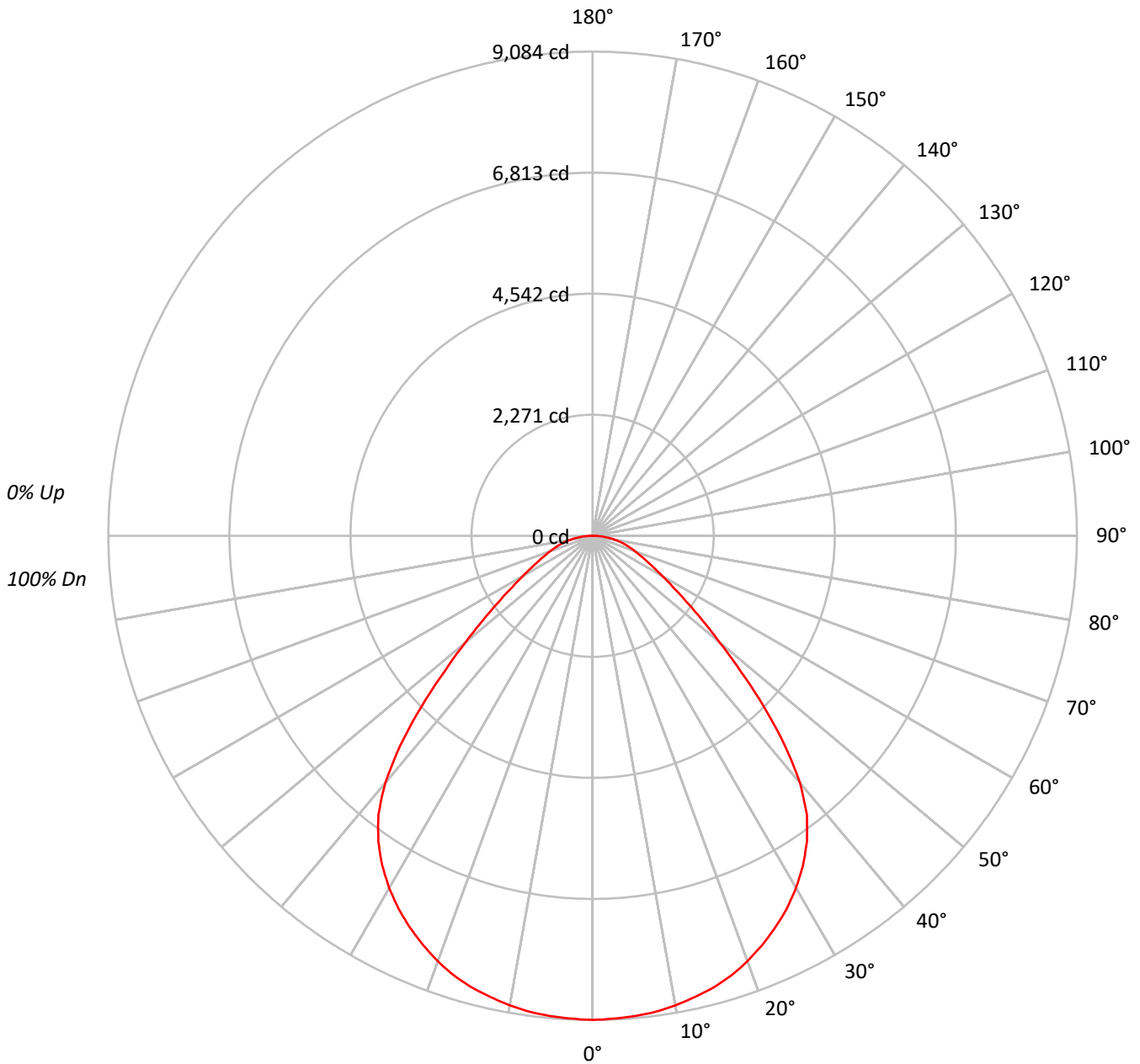
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18880.0 lumens  
Efficiency: N/A  
Efficacy: 159.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.27  
Luminous Opening: Rectangular (W 0.83' x L: 1.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 118.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				20				20	
RC	80				70				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				100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	89	88				88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76				76
3	95	85	78	73	92	84	77	72	81	76	71	78	74	70	76	72	69	67				67
4	88	77	69	64	85	76	69	63	73	67	62	71	66	62	69	65	61	59				59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52				52
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	49	47				47
7	71	58	50	45	69	58	50	45	56	49	44	55	49	44	53	48	44	42				42
8	66	54	46	40	65	53	46	40	52	45	40	50	44	40	49	44	40	38				38
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35				35
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32				32

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	100576
5°	100569
10°	100563
15°	100547
20°	100073
25°	99058
30°	97564
35°	94709
40°	87467
45°	71244
50°	53522
55°	41184
60°	33369
65°	29019
70°	27340
75°	27031
80°	26727
85°	24974



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	860.6	4.6
10°-20°	2474.5	13.1
20°-30°	3733.9	19.8
30°-40°	4346.0	23.0
40°-50°	3501.1	18.5
50°-60°	1958.8	10.4
60°-70°	1121.6	5.9
70°-80°	666.2	3.5
80°-90°	217.3	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°	7069.0	37.4
0°-40°	11415.0	60.5
0°-60°	16874.9	89.4
0°-90°	18880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18880.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9084	
5°	9049	861
15°	8772	2474
25°	8109	3734
35°	7007	4346
45°	4550	3501
55°	2134	1959
65°	1108	1122
75°	632	666
85°	197	217
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9084.3
2.5°	9067.5
5°	9049.1
7.5°	9010.9
10°	8945.1
12.5°	8863.2
15°	8772.2
17.5°	8652.1
20°	8493.7
22.5°	8309.4
25°	8108.9
27.5°	7887.1
30°	7631.6
32.5°	7341.6
35°	7007.3
37.5°	6601.9
40°	6051.9
42.5°	5342.0
45°	4550.2
47.5°	3776.0
50°	3107.4
52.5°	2568.8
55°	2133.6
57.5°	1784.7
60°	1507.0
62.5°	1286.7
65°	1107.7
67.5°	966.2
70°	844.6
72.5°	735.9
75°	631.9
77.5°	525.6
80°	419.2
82.5°	312.1
85°	196.6
87.5°	80.3
90°	0.0



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— 0°-180°







(END OF REPORT)