

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 (24K 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 (24K LUMEN 4000K CCT SETTINGS)  
Description: CCT AND LUMEN SELECTABLE LINEAR LED LENS HIGH BAY SET AT 24000 LUMENS AND 4000K CCT SETTING

Light Source: -  
Ballast/Driver: -

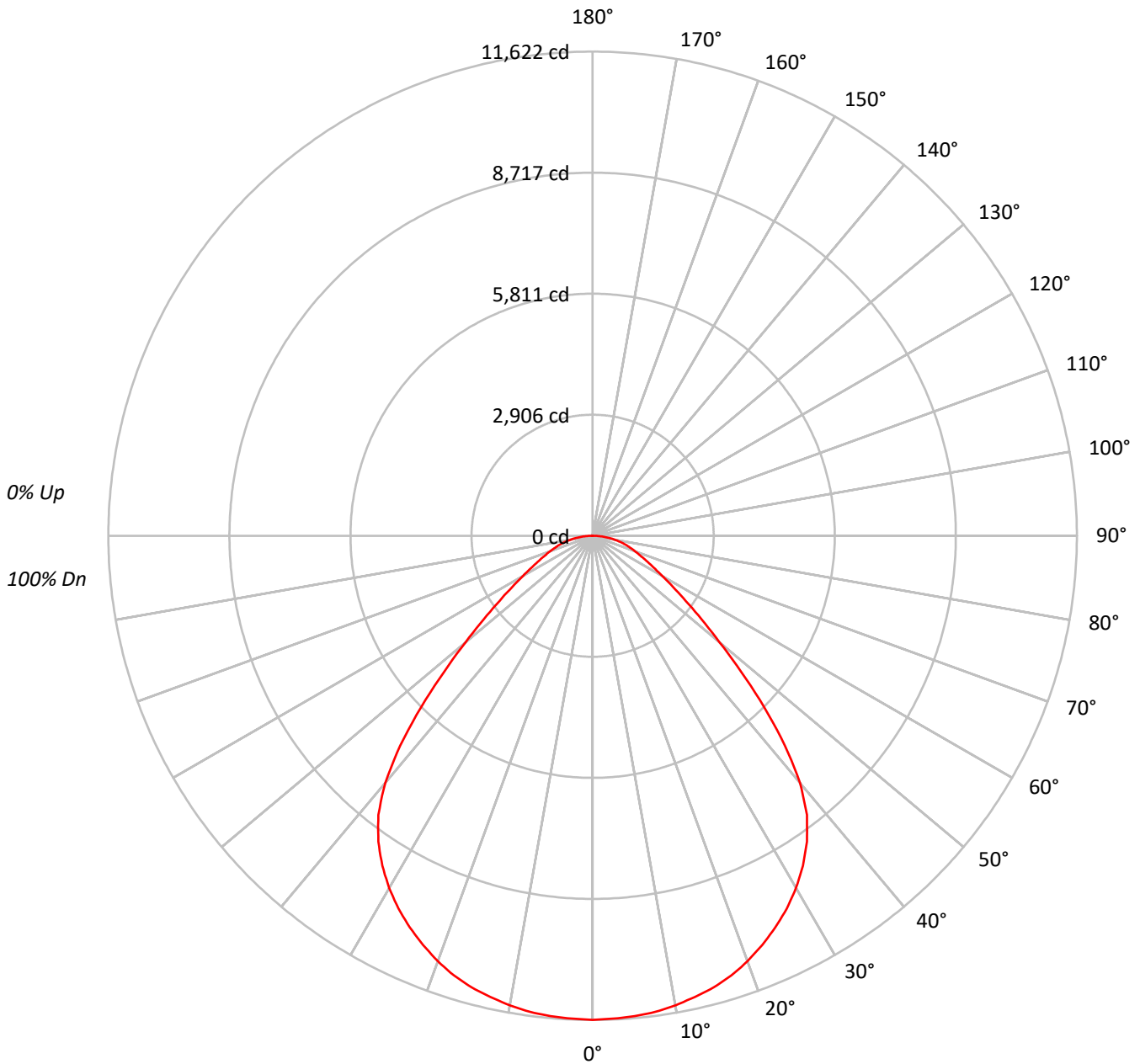
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24153.0 lumens  
Efficiency: N/A  
Efficacy: 155.3 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): 155.5  
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°	128667
5°	128657
10°	128648
15°	128629
20°	128022
25°	126725
30°	124812
35°	121161
40°	111895
45°	91142
50°	68471
55°	52686
60°	42689
65°	37124
70°	34973
75°	34581
80°	34193
85°	31948



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1100.9	4.6
10°-20°	3165.6	13.1
20°-30°	4776.8	19.8
30°-40°	5559.8	23.0
40°-50°	4478.9	18.5
50°-60°	2505.9	10.4
60°-70°	1434.8	5.9
70°-80°	852.3	3.5
80°-90°	278.0	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°	9043.3	37.4
0°-40°	14603.1	60.5
0°-60°	21587.9	89.4
0°-90°	24153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24153.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11622	
5°	11576	###
15°	11222	3166
25°	10374	4777
35°	8964	5560
45°	5821	4479
55°	2730	2506
65°	1417	1435
75°	808	852
85°	252	278
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11621.5
2.5°	11599.9
5°	11576.4
7.5°	11527.5
10°	11443.3
12.5°	11338.6
15°	11222.2
17.5°	11068.5
20°	10865.9
22.5°	10630.1
25°	10373.7
27.5°	10089.9
30°	9763.0
32.5°	9392.1
35°	8964.4
37.5°	8445.7
40°	7742.1
42.5°	6833.9
45°	5821.0
47.5°	4830.6
50°	3975.3
52.5°	3286.3
55°	2729.5
57.5°	2283.2
60°	1927.9
62.5°	1646.1
65°	1417.1
67.5°	1236.0
70°	1080.4
72.5°	941.5
75°	808.4
77.5°	672.3
80°	536.3
82.5°	399.3
85°	251.5
87.5°	102.8
90°	0.0



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— 0°-180°







(END OF REPORT)