

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-2436-UNV-L84050 (24K LUMEN 5000K 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 (G2-2211-831-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/20/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: LHBS-2436-UNV-L84050 (24K LUMEN 5000K CCT SETTINGS)  
Description: CCT AND LUMEN SELECTABLE LINEAR LED LENS HIGH BAY SET AT 24000 LUMENS AND 5000K CCT SETTING

Light Source: -  
Ballast/Driver: -

**Summary**

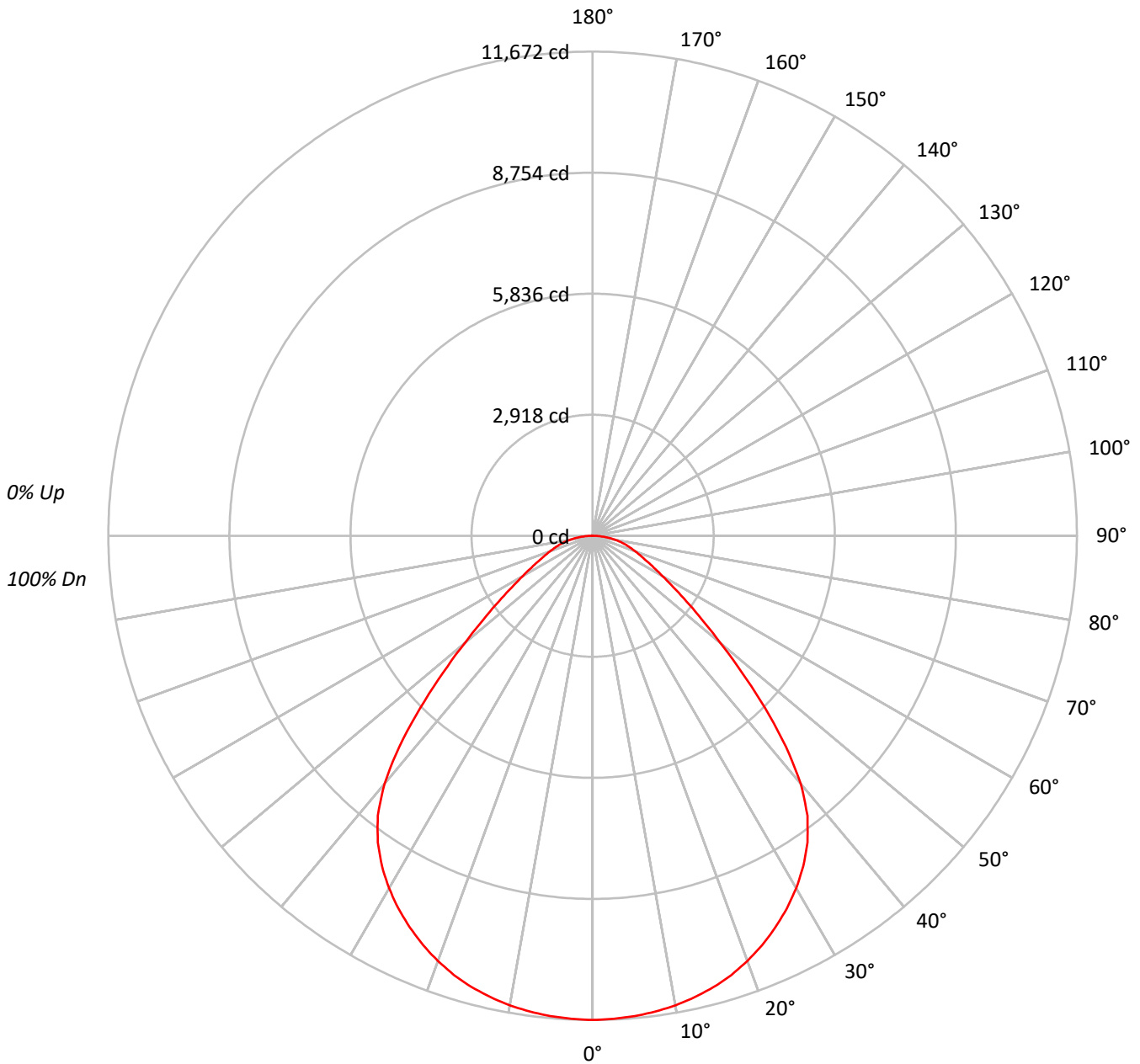
Lumens per Lamp: N/A  
Luminaire Lumens: 24323.0 lumens  
Efficiency: N/A  
Efficacy: 155.6 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.27  
Luminous Opening: Rectangular (W 0.83' x L: 1.62' x H: 0')  
CIE Type: Direct

Input Watts (W): 156.3  
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	97	95	96	94	92	93	91	89	87				87
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	63	85	76	69	63	73	67	62	71	66	61	69	64	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	48	47				47
7	71	58	50	45	69	57	50	45	56	49	44	55	49	44	53	48	44	42				42
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38				38
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34				34
10	58	46	38	34	57	45	38	34	44	38	33	43	37	33	43	37	33	32				32

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

	0°
0°	92777
5°	92747
10°	92776
15°	92694
20°	92264
25°	91376
30°	90052
35°	87590
40°	81017
45°	66085
50°	49677
55°	38170
60°	30929
65°	26855
70°	25295
75°	25079
80°	24979
85°	23913



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1105.4	4.5
10°-20°	3177.9	13.1
20°-30°	4798.0	19.7
30°-40°	5596.7	23.0
40°-50°	4522.2	18.6
50°-60°	2530.3	10.4
60°-70°	1446.2	5.9
70°-80°	861.1	3.5
80°-90°	285.1	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°	9081.4	37.3
0°-40°	14678.1	60.3
0°-60°	21730.5	89.3
0°-90°	24323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24323.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11672	
5°	11624	###
15°	11264	3178
25°	10419	4798
35°	9026	5597
45°	5879	4522
55°	2754	2530
65°	1428	1446
75°	817	861
85°	262	285
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11671.9
2.5°	11654.5
5°	11623.7
7.5°	11569.7
10°	11494.5
12.5°	11390.4
15°	11264.1
17.5°	11106.0
20°	10907.4
22.5°	10680.8
25°	10418.6
27.5°	10133.2
30°	9811.3
32.5°	9448.8
35°	9026.5
37.5°	8504.0
40°	7807.9
42.5°	6898.8
45°	5878.8
47.5°	4879.1
50°	4017.2
52.5°	3318.3
55°	2754.3
57.5°	2306.0
60°	1945.5
62.5°	1658.2
65°	1427.8
67.5°	1246.5
70°	1088.4
72.5°	949.6
75°	816.6
77.5°	680.6
80°	545.7
82.5°	405.9
85°	262.2
87.5°	107.0
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°







(END OF REPORT)