

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 (36K 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 (36K LUMEN 5000K CCT SETTINGS)  
Description: CCT AND LUMEN SELECTABLE LINEAR LED LENS HIGH BAY SET AT 36000 LUMENS AND 5000K CCT SETTING

Light Source: -  
Ballast/Driver: -

**Summary**

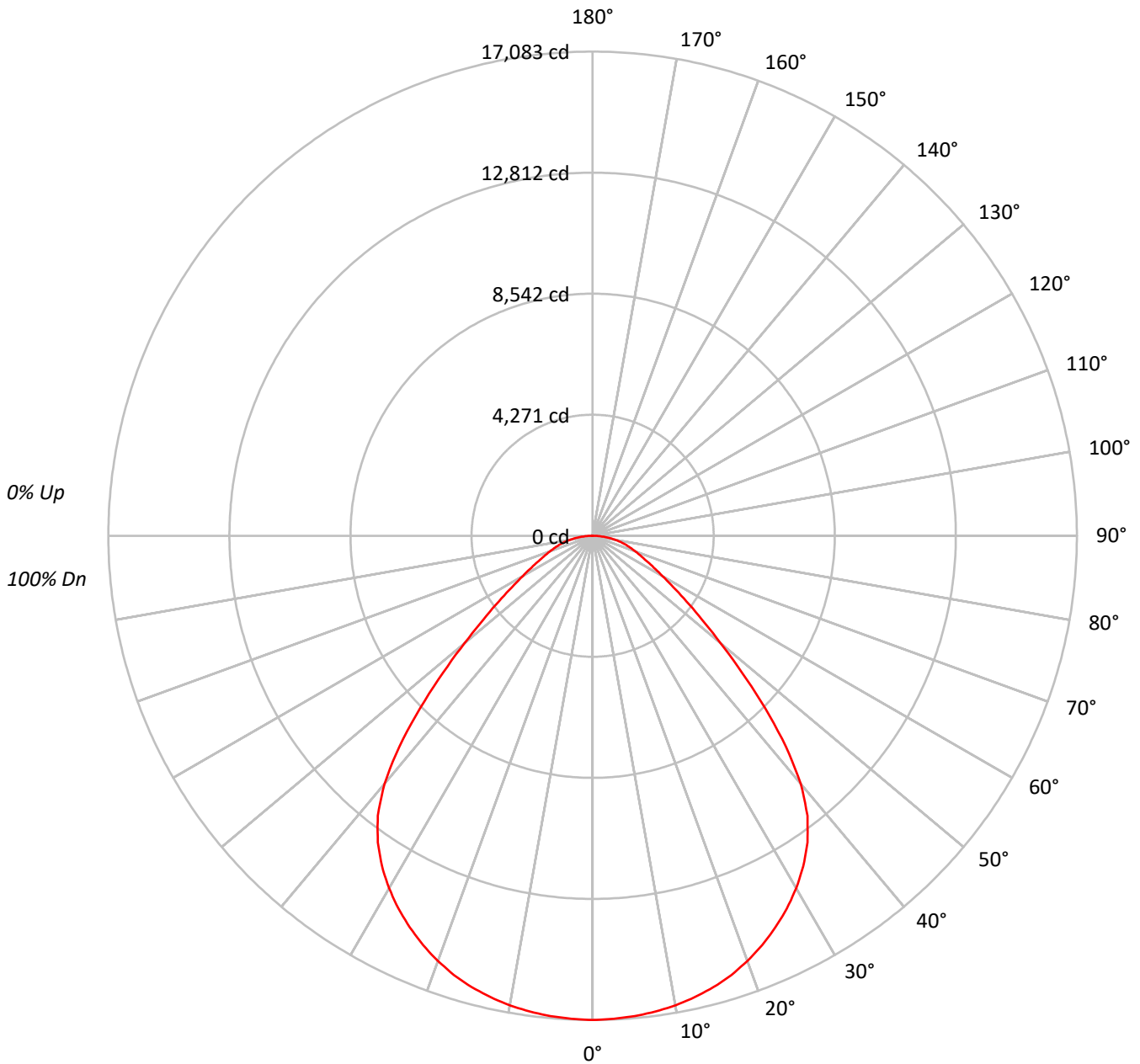
Lumens per Lamp: N/A  
Luminaire Lumens: 35600.0 lumens  
Efficiency: N/A  
Efficacy: 144.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.27  
Luminous Opening: Rectangular (W 0.83' x L: 1.62' x H: 0')  
CIE Type: Direct

Input Watts (W): 245.8  
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°	135792
5°	135747
10°	135791
15°	135670
20°	135041
25°	133741
30°	131803
35°	128199
40°	118581
45°	96725
50°	72710
55°	55867
60°	45268
65°	39304
70°	37025
75°	36703
80°	36556
85°	35003



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1618.0	4.5
10°-20°	4651.3	13.1
20°-30°	7022.6	19.7
30°-40°	8191.5	23.0
40°-50°	6618.8	18.6
50°-60°	3703.4	10.4
60°-70°	2116.7	5.9
70°-80°	1260.4	3.5
80°-90°	417.3	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°	13291.8	37.3
0°-40°	21483.3	60.3
0°-60°	31805.6	89.3
0°-90°	35600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35600.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17083	
5°	17013	###
15°	16486	4651
25°	15249	7023
35°	13212	8192
45°	8604	6619
55°	4031	3703
65°	2090	2117
75°	1195	1260
85°	384	417
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	17083.4
2.5°	17058.0
5°	17012.8
7.5°	16933.8
10°	16823.8
12.5°	16671.4
15°	16486.5
17.5°	16255.1
20°	15964.4
22.5°	15632.8
25°	15249.0
27.5°	14831.4
30°	14360.1
32.5°	13829.5
35°	13211.5
37.5°	12446.7
40°	11428.0
42.5°	10097.4
45°	8604.5
47.5°	7141.2
50°	5879.8
52.5°	4856.8
55°	4031.3
57.5°	3375.2
60°	2847.5
62.5°	2427.0
65°	2089.7
67.5°	1824.5
70°	1593.1
72.5°	1389.9
75°	1195.1
77.5°	996.2
80°	798.6
82.5°	594.0
85°	383.8
87.5°	156.6
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°







(END OF REPORT)