

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-1218-UNV-L84050 (18K 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 (G2-2211-831-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/20/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: LHBS-1218-UNV-L84050 (18K LUMEN 5000K CCT SETTINGS)  
Description: CCT AND LUMEN SELECTABLE LINEAR LED LENS HIGH BAY SET AT 18000 LUMENS AND 5000K CCT SETTING

Light Source: -  
Ballast/Driver: -

**Summary**

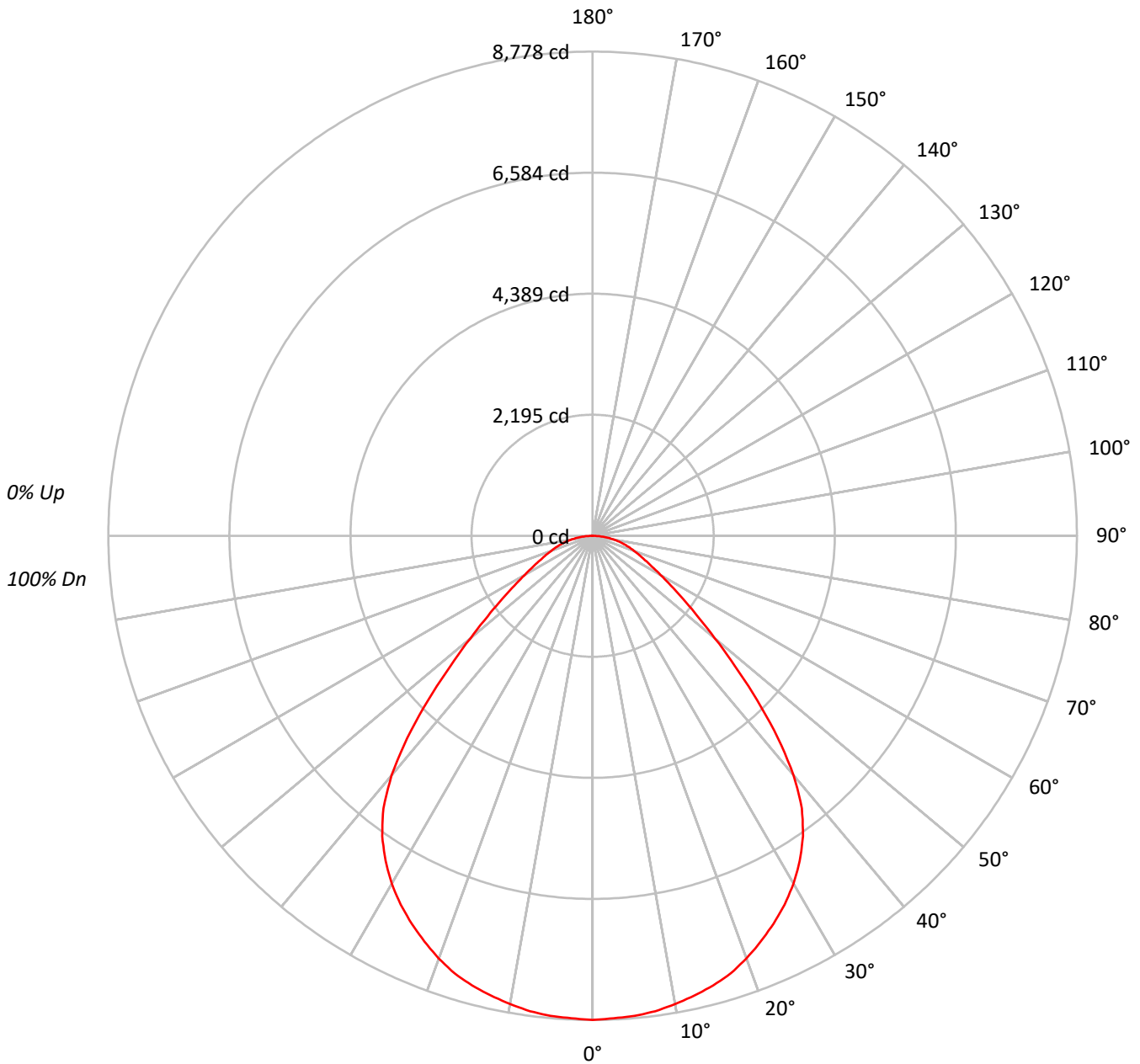
Lumens per Lamp: N/A  
Luminaire Lumens: 17862.0 lumens  
Efficiency: N/A  
Efficacy: 141.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.25  
Luminous Opening: Rectangular (W 0.79' x L: 1.08' x H: 0')  
CIE Type: Direct

Input Watts (W): 126.2  
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

TEST NUMBER: P#

CATALOG NUMBER: LHBS-1218-UNV-L84050 (18K LUMEN 5000K CCT SETTINGS)

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LHBS-1218-UNV-L84050 (18K LUMEN 5000K CCT SETTINGS)

**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	90	88				88
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76				76
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67				67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59				59
5	81	70	62	56	80	69	62	56	67	61	55	65	59	55	63	58	54	52				52
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47				47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42				42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38				38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	37	35				35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33	32				32

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

	0°
0°	110172
5°	110104
10°	109877
15°	109668
20°	108919
25°	107446
30°	105538
35°	101880
40°	92855
45°	74856
50°	56493
55°	43732
60°	35739
65°	31218
70°	29327
75°	28610
80°	27631
85°	23732



TEST NUMBER: P#

CATALOG NUMBER: LHBS-1218-UNV-L84050 (18K LUMEN 5000K CCT SETTINGS)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	830.4	4.6
10°-20°	2380.6	13.3
20°-30°	3573.2	20.0
30°-40°	4117.7	23.1
40°-50°	3254.4	18.2
50°-60°	1834.4	10.3
60°-70°	1061.7	5.9
70°-80°	623.5	3.5
80°-90°	186.1	1.0
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°	6784.2	38.0
0°-40°	10901.9	61.0
0°-60°	15990.7	89.5
0°-90°	17862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17862.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8778	
5°	8739	830
15°	8440	2381
25°	7759	3573
35°	6650	4118
45°	4217	3254
55°	1999	1834
65°	1051	1062
75°	590	624
85°	165	186
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LHBS-1218-UNV-L84050 (18K LUMEN 5000K CCT SETTINGS)

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8778.2
2.5°	8754.7
5°	8739.4
7.5°	8693.7
10°	8621.7
12.5°	8535.8
15°	8440.3
17.5°	8319.8
20°	8155.0
22.5°	7963.8
25°	7758.9
27.5°	7538.6
30°	7282.4
32.5°	6987.4
35°	6649.5
37.5°	6229.8
40°	5667.5
42.5°	4973.6
45°	4217.4
47.5°	3493.0
50°	2893.3
52.5°	2397.5
55°	1998.6
57.5°	1680.0
60°	1423.8
62.5°	1217.4
65°	1051.2
67.5°	914.1
70°	799.2
72.5°	693.9
75°	590.0
77.5°	488.9
80°	382.3
82.5°	275.6
85°	164.8
87.5°	52.6
90°	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°







(END OF REPORT)