

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 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 (G2-2211-831-1)
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 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: -

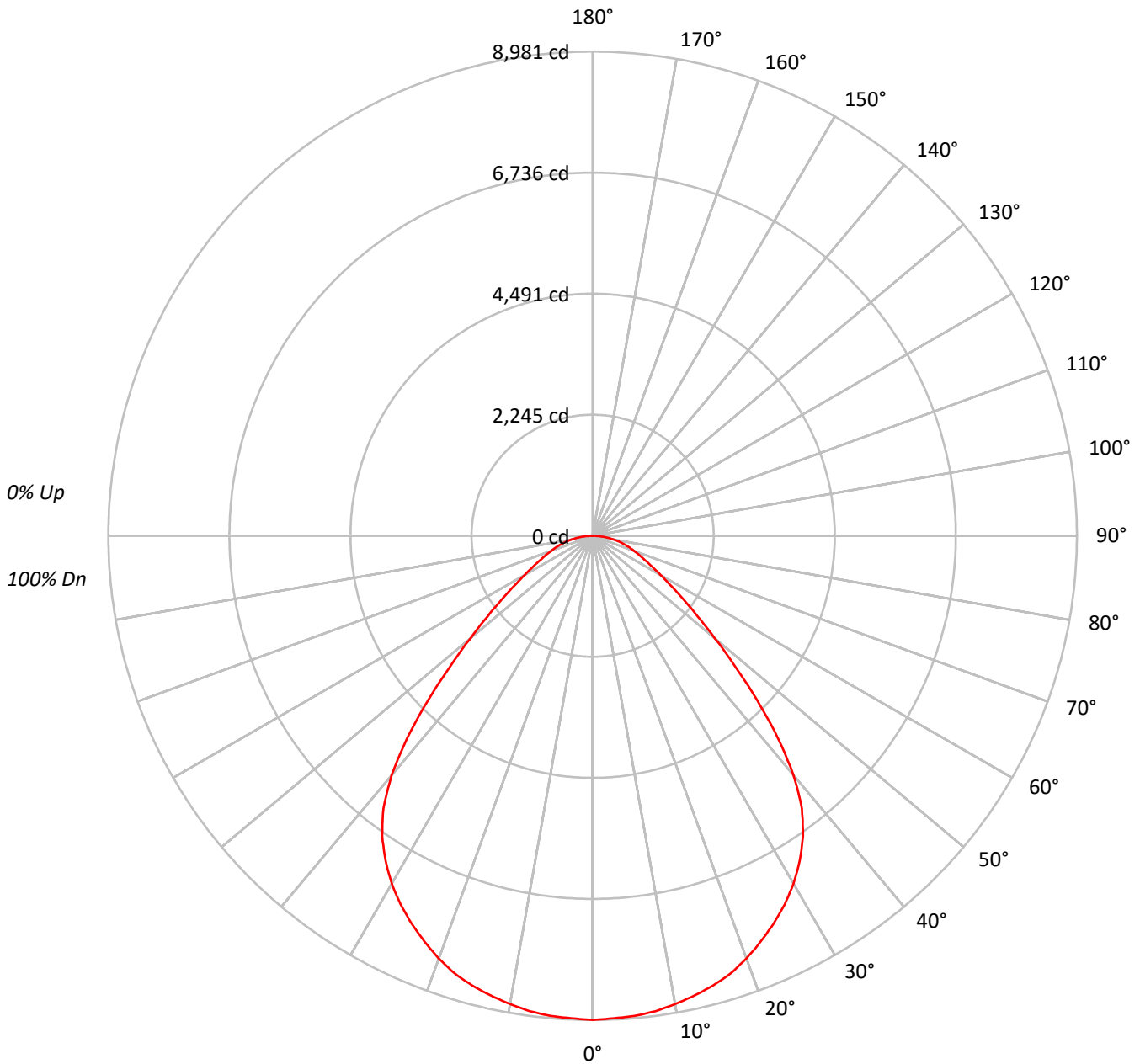
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18275.0 lumens
Efficiency: N/A
Efficacy: 147.1 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): 124.2
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	112720
5°	112650
10°	112418
15°	112203
20°	111437
25°	109930
30°	107979
35°	104235
40°	95001
45°	76586
50°	57799
55°	44743
60°	36565
65°	31939
70°	30002
75°	29275
80°	28267
85°	24279



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	849.6	4.6
10°-20°	2435.6	13.3
20°-30°	3655.8	20.0
30°-40°	4212.9	23.1
40°-50°	3329.6	18.2
50°-60°	1876.9	10.3
60°-70°	1086.2	5.9
70°-80°	637.9	3.5
80°-90°	190.4	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°	6941.1	38.0
0°-40°	11154.0	61.0
0°-60°	16360.4	89.5
0°-90°	18275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18275.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8981	
5°	8942	850
15°	8635	2436
25°	7938	3656
35°	6803	4213
45°	4315	3330
55°	2045	1877
65°	1076	1086
75°	604	638
85°	169	190
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8981.2
2.5°	8957.1
5°	8941.5
7.5°	8894.8
10°	8821.1
12.5°	8733.2
15°	8635.4
17.5°	8512.2
20°	8343.5
22.5°	8148.0
25°	7938.3
27.5°	7712.9
30°	7450.8
32.5°	7149.0
35°	6803.2
37.5°	6373.8
40°	5798.5
42.5°	5088.6
45°	4314.9
47.5°	3573.8
50°	2960.2
52.5°	2452.9
55°	2044.8
57.5°	1718.9
60°	1456.7
62.5°	1245.6
65°	1075.5
67.5°	935.2
70°	817.6
72.5°	709.9
75°	603.7
77.5°	500.2
80°	391.1
82.5°	282.0
85°	168.6
87.5°	53.8
90°	0.0



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— 0°-180°







(END OF REPORT)