

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 (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 (G2-2211-831-6)
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 (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: -

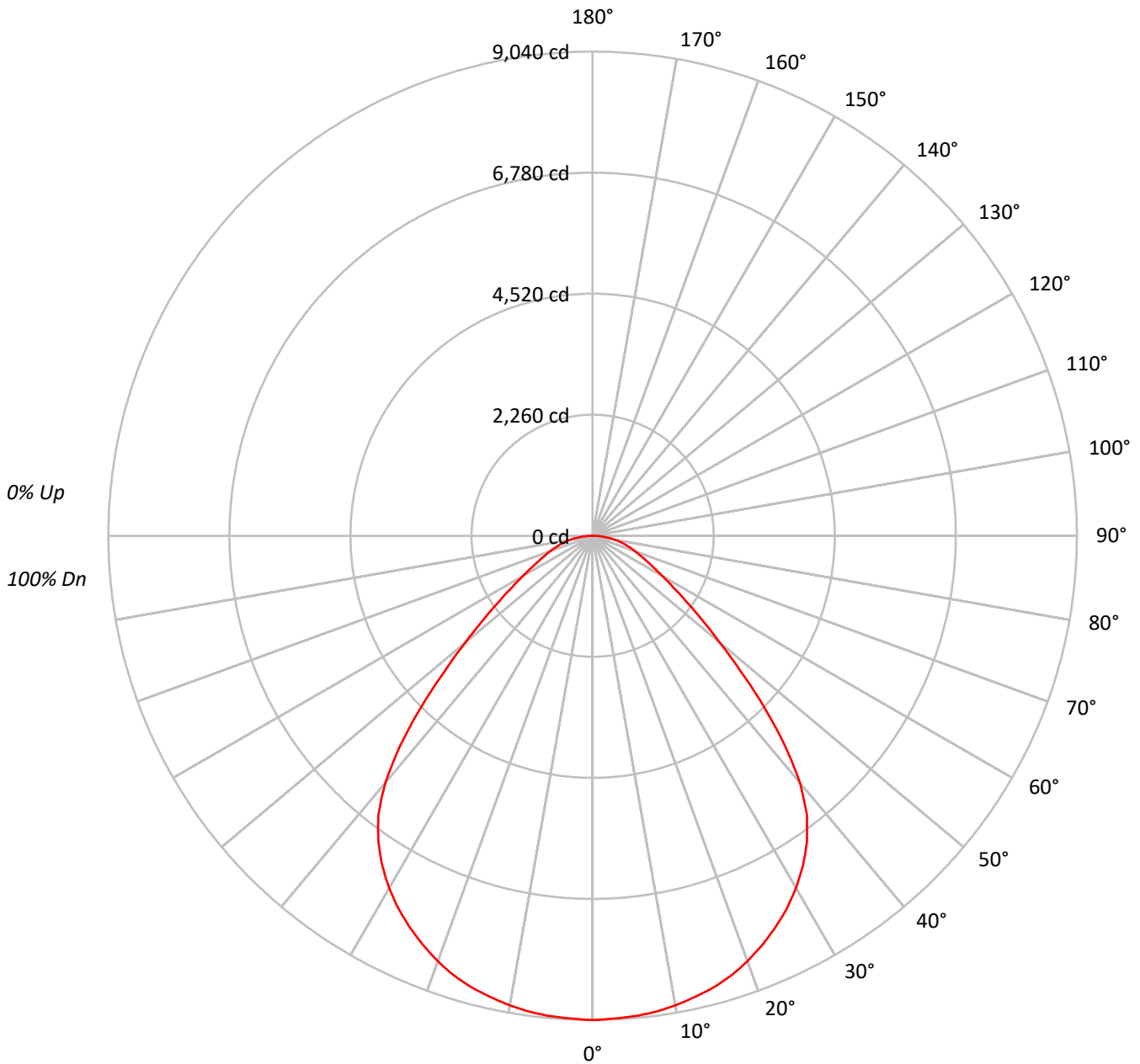
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18789.0 lumens
Efficiency: N/A
Efficacy: 157.6 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): 119.2
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	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°	100092
5°	100085
10°	100079
15°	100062
20°	99591
25°	98582
30°	97094
35°	94253
40°	87045
45°	70901
50°	53264
55°	40985
60°	33210
65°	28880
70°	27208
75°	26898
80°	26600
85°	24860



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	856.4	4.6
10°-20°	2462.6	13.1
20°-30°	3715.9	19.8
30°-40°	4325.1	23.0
40°-50°	3484.2	18.5
50°-60°	1949.4	10.4
60°-70°	1116.2	5.9
70°-80°	663.0	3.5
80°-90°	216.2	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°	7034.9	37.4
0°-40°	11360.0	60.5
0°-60°	16793.6	89.4
0°-90°	18789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18789.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9040	
5°	9006	856
15°	8730	2463
25°	8070	3716
35°	6974	4325
45°	4528	3484
55°	2123	1949
65°	1102	1116
75°	629	663
85°	196	216
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9040.5
2.5°	9023.8
5°	9005.5
7.5°	8967.4
10°	8902.0
12.5°	8820.5
15°	8729.9
17.5°	8610.4
20°	8452.8
22.5°	8269.3
25°	8069.9
27.5°	7849.1
30°	7594.8
32.5°	7306.3
35°	6973.6
37.5°	6570.1
40°	6022.7
42.5°	5316.2
45°	4528.3
47.5°	3757.8
50°	3092.4
52.5°	2556.5
55°	2123.3
57.5°	1776.1
60°	1499.8
62.5°	1280.5
65°	1102.4
67.5°	961.5
70°	840.5
72.5°	732.4
75°	628.8
77.5°	523.0
80°	417.2
82.5°	310.6
85°	195.7
87.5°	79.9
90°	0.0



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— 0°-180°







(END OF REPORT)