

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

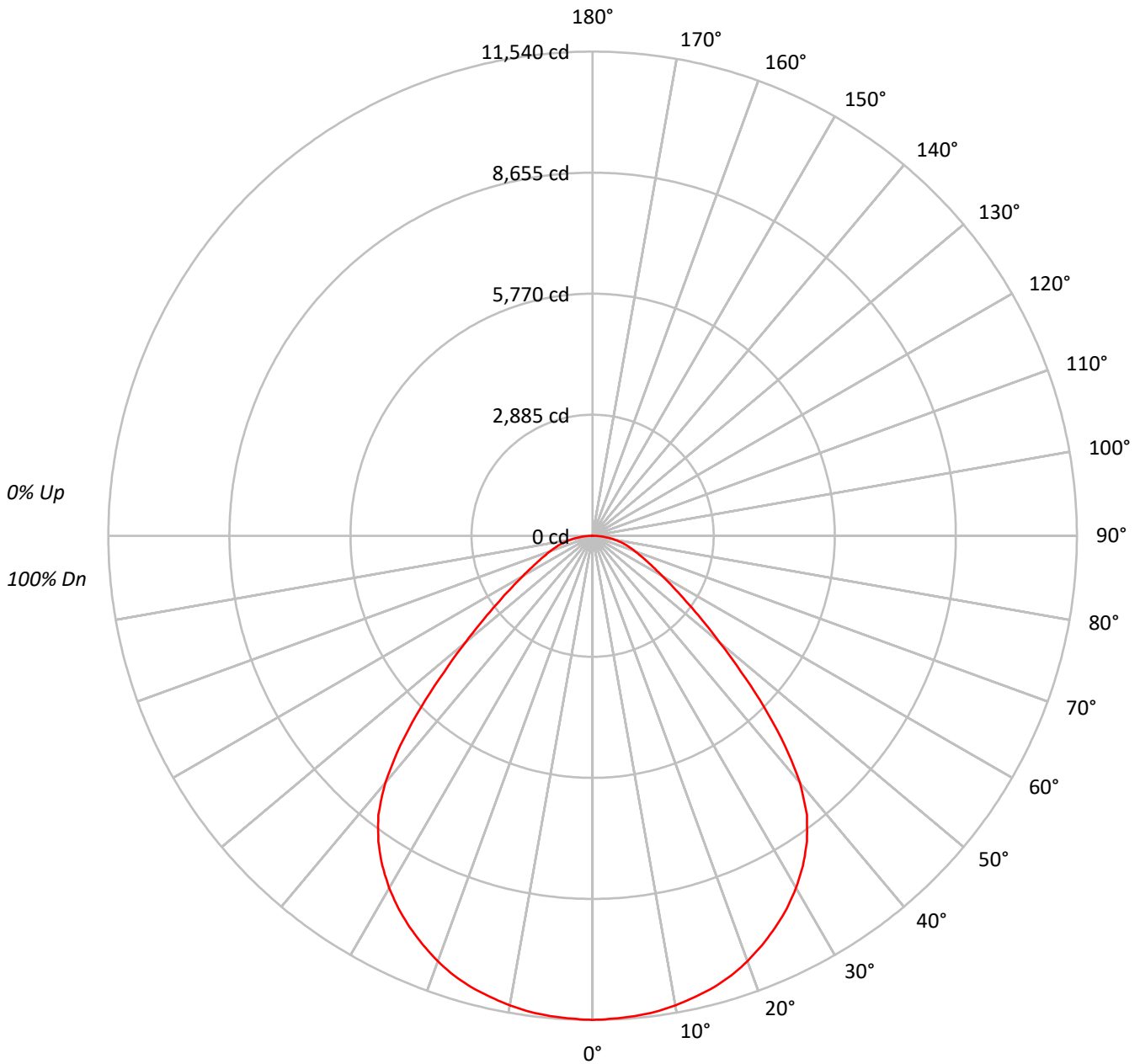
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23984.0 lumens
Efficiency: N/A
Efficacy: 150.7 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): 159.1
Input Voltage (V): NR
Input Current (Ain): 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°	127766
5°	127757
10°	127749
15°	127728
20°	127127
25°	125838
30°	123939
35°	120313
40°	111111
45°	90504
50°	67992
55°	52317
60°	42390
65°	36865
70°	34731
75°	34337
80°	33951
85°	31732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1093.2	4.6
10°-20°	3143.4	13.1
20°-30°	4743.4	19.8
30°-40°	5520.9	23.0
40°-50°	4447.6	18.5
50°-60°	2488.4	10.4
60°-70°	1424.8	5.9
70°-80°	846.3	3.5
80°-90°	276.0	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°	8980.0	37.4
0°-40°	14500.9	60.5
0°-60°	21436.9	89.4
0°-90°	23984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23984.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11540	
5°	11495	###
15°	11144	3143
25°	10301	4743
35°	8902	5521
45°	5780	4448
55°	2710	2488
65°	1407	1425
75°	803	846
85°	250	276
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11540.1
2.5°	11518.8
5°	11495.4
7.5°	11446.9
10°	11363.3
12.5°	11259.3
15°	11143.6
17.5°	10991.1
20°	10789.9
22.5°	10555.7
25°	10301.1
27.5°	10019.3
30°	9694.7
32.5°	9326.4
35°	8901.7
37.5°	8386.6
40°	7687.9
42.5°	6786.1
45°	5780.3
47.5°	4796.8
50°	3947.5
52.5°	3263.3
55°	2710.4
57.5°	2267.2
60°	1914.4
62.5°	1634.6
65°	1407.2
67.5°	1227.4
70°	1072.9
72.5°	934.9
75°	802.7
77.5°	667.6
80°	532.5
82.5°	396.5
85°	249.8
87.5°	102.0
90°	0.0



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— 0°-180°







(END OF REPORT)