

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 (12K 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 (12K LUMEN 5000K CCT SETTINGS)
Description: CCT AND LUMEN SELECTABLE LINEAR LED LENS HIGH BAY SET AT 12000 LUMENS AND 5000K CCT SETTING

Light Source: -
Ballast/Driver: -

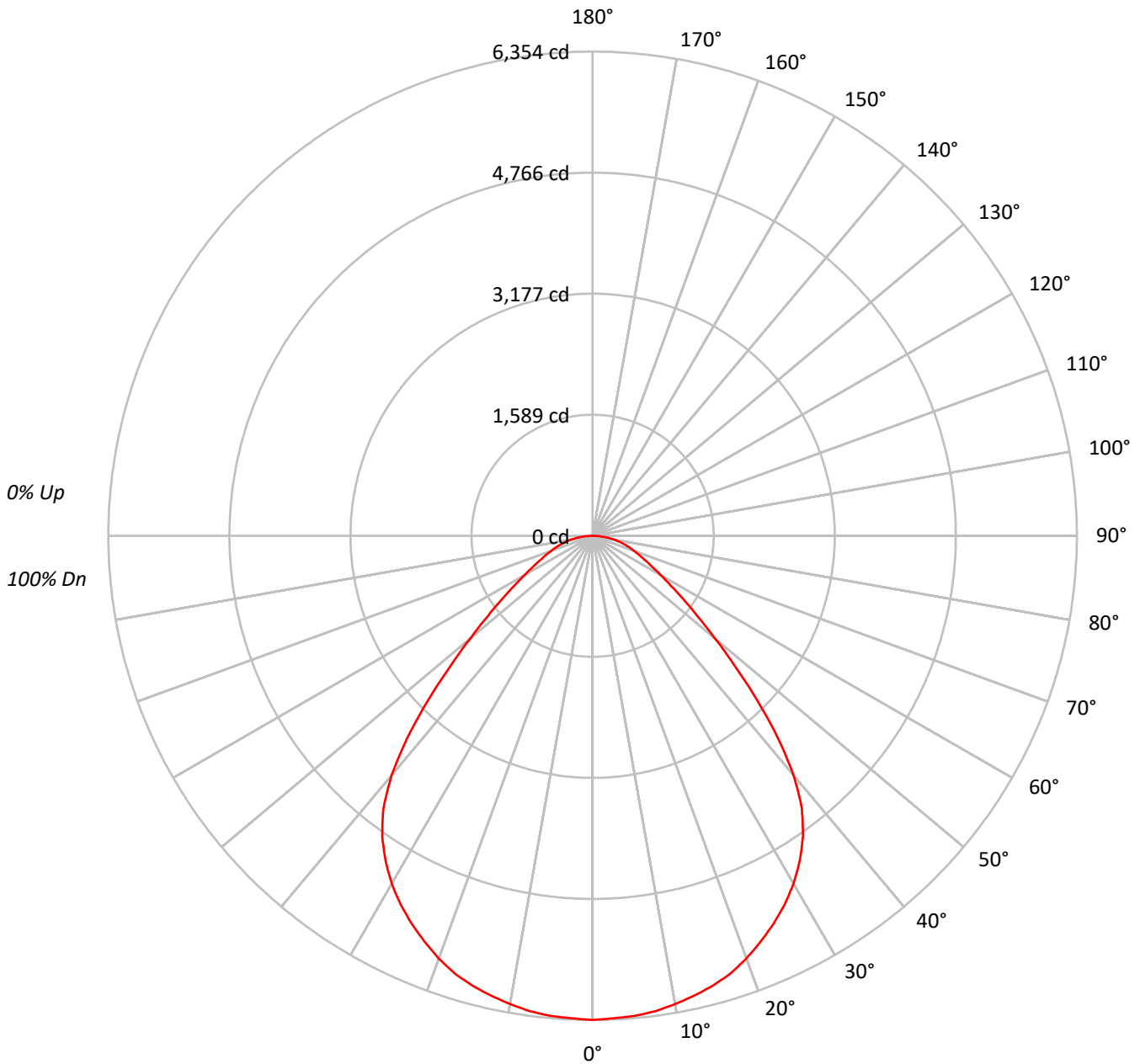
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12929.0 lumens
Efficiency: N/A
Efficacy: 150.3 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): 86
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°	79745
5°	79696
10°	79532
15°	79380
20°	78838
25°	77772
30°	76391
35°	73744
40°	67211
45°	54181
50°	40890
55°	31654
60°	25869
65°	22597
70°	21225
75°	20711
80°	19999
85°	17179



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.1	4.6
10°-20°	1723.1	13.3
20°-30°	2586.4	20.0
30°-40°	2980.5	23.1
40°-50°	2355.6	18.2
50°-60°	1327.8	10.3
60°-70°	768.5	5.9
70°-80°	451.3	3.5
80°-90°	134.7	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°	4910.6	38.0
0°-40°	7891.1	61.0
0°-60°	11574.5	89.5
0°-90°	12929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12929.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6354	
5°	6326	601
15°	6109	1723
25°	5616	2586
35°	4813	2981
45°	3053	2356
55°	1447	1328
65°	761	769
75°	427	451
85°	119	135
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6353.9
2.5°	6336.9
5°	6325.8
7.5°	6292.8
10°	6240.6
12.5°	6178.5
15°	6109.3
17.5°	6022.1
20°	5902.8
22.5°	5764.4
25°	5616.1
27.5°	5456.7
30°	5271.2
32.5°	5057.7
35°	4813.1
37.5°	4509.3
40°	4102.3
42.5°	3600.0
45°	3052.6
47.5°	2528.3
50°	2094.2
52.5°	1735.3
55°	1446.6
57.5°	1216.0
60°	1030.6
62.5°	881.2
65°	760.9
67.5°	661.7
70°	578.4
72.5°	502.3
75°	427.1
77.5°	353.9
80°	276.7
82.5°	199.5
85°	119.3
87.5°	38.1
90°	0.0



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— 0°-180°







(END OF REPORT)