

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 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 (12K LUMEN 4000K CCT SETTINGS)
Description: CCT AND LUMEN SELECTABLE LINEAR LED LENS HIGH BAY SET AT 12000 LUMENS AND 4000K CCT SETTING

Light Source: -
Ballast/Driver: -

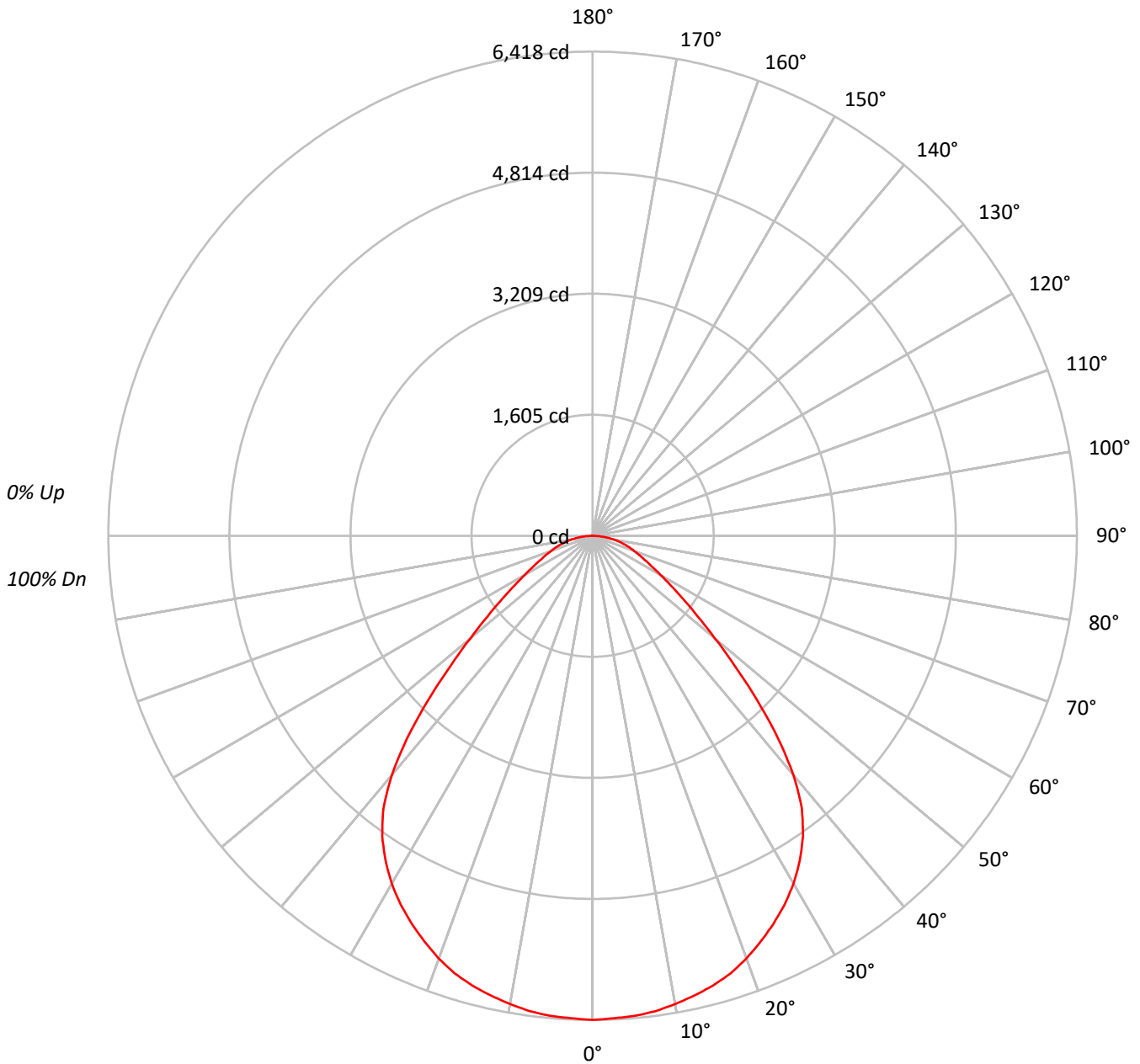
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13059.0 lumens
Efficiency: N/A
Efficacy: 152.9 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): 85.4
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°	80547
5°	80499
10°	80332
15°	80178
20°	79630
25°	78553
30°	77160
35°	74485
40°	67886
45°	54726
50°	41302
55°	31973
60°	26128
65°	22825
70°	21441
75°	20919
80°	20201
85°	17352



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.1	4.6
10°-20°	1740.4	13.3
20°-30°	2612.4	20.0
30°-40°	3010.5	23.1
40°-50°	2379.3	18.2
50°-60°	1341.2	10.3
60°-70°	776.2	5.9
70°-80°	455.8	3.5
80°-90°	136.1	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°	4959.9	38.0
0°-40°	7970.4	61.0
0°-60°	11690.9	89.5
0°-90°	13059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13059.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6418	
5°	6390	607
15°	6171	1740
25°	5672	2612
35°	4862	3010
45°	3083	2379
55°	1461	1341
65°	769	776
75°	431	456
85°	120	136
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6417.8
2.5°	6400.6
5°	6389.5
7.5°	6356.0
10°	6303.4
12.5°	6240.6
15°	6170.7
17.5°	6082.6
20°	5962.1
22.5°	5822.4
25°	5672.5
27.5°	5511.5
30°	5324.2
32.5°	5108.5
35°	4861.5
37.5°	4554.6
40°	4143.5
42.5°	3636.2
45°	3083.3
47.5°	2553.8
50°	2115.3
52.5°	1752.8
55°	1461.2
57.5°	1228.3
60°	1040.9
62.5°	890.1
65°	768.6
67.5°	668.3
70°	584.3
72.5°	507.3
75°	431.4
77.5°	357.4
80°	279.5
82.5°	201.5
85°	120.5
87.5°	38.5
90°	0.0



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— 0°-180°







(END OF REPORT)