

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-2436-UNV-L84050 (36K 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 (G2-2211-831-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/20/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: LHBS-2436-UNV-L84050 (36K LUMEN 4000K CCT SETTINGS)
Description: CCT AND LUMEN SELECTABLE LINEAR LED LENS HIGH BAY SET AT 36000 LUMENS AND 4000K CCT SETTING

Light Source: -
Ballast/Driver: -

Summary

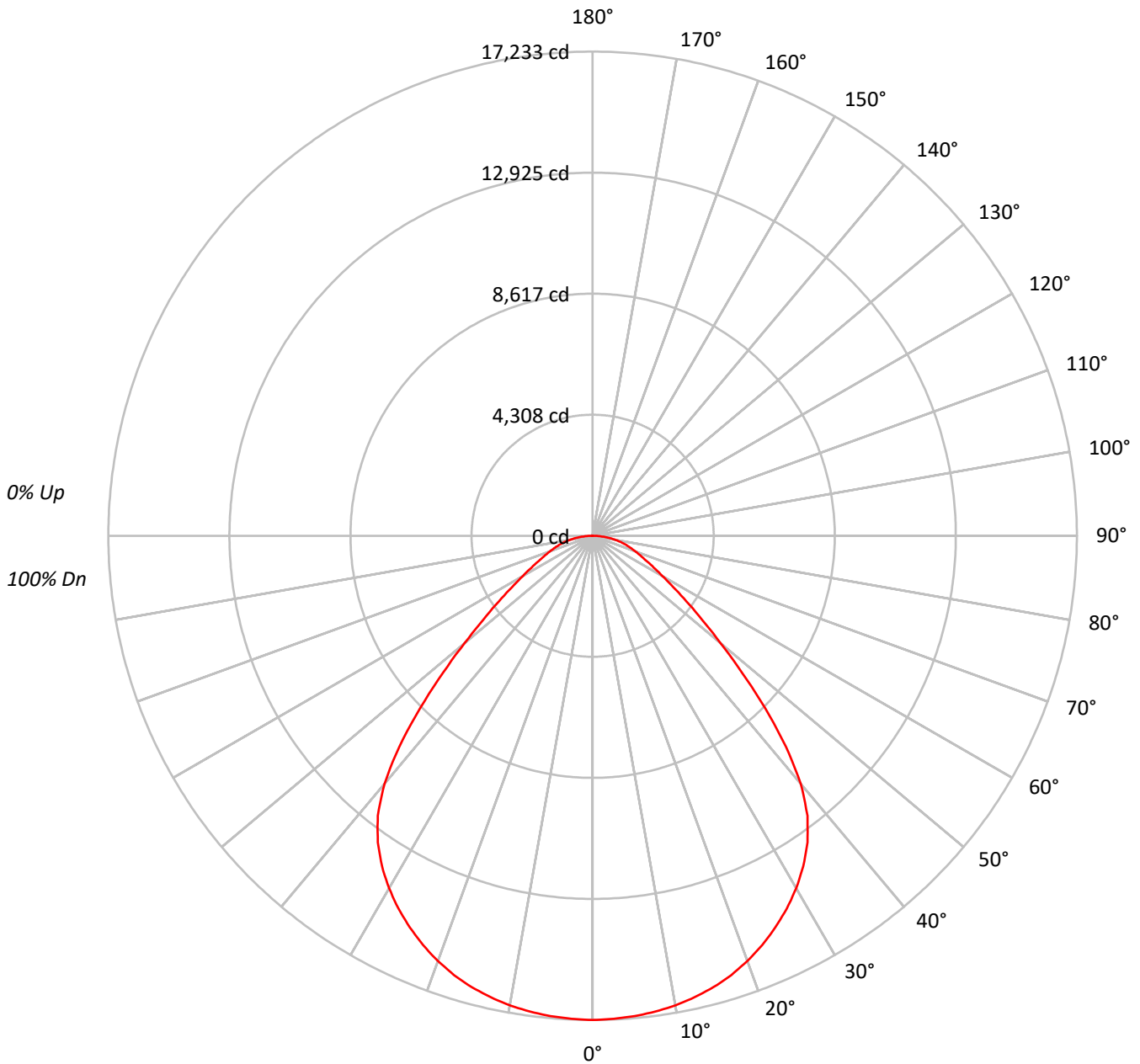
Lumens per Lamp: N/A
Luminaire Lumens: 35912.0 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.27
Luminous Opening: Rectangular (W 0.83' x L: 1.62' x H: 0')
CIE Type: Direct

Input Watts (W): 241.5
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	97	95	96	94	92	93	91	89	87				87
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	63	85	76	69	63	73	67	62	71	66	61	69	64	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	48	47				47
7	71	58	50	45	69	57	50	45	56	49	44	55	49	44	53	48	44	42				42
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38				38
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34				34
10	58	46	38	34	57	45	38	34	44	38	33	43	37	33	43	37	33	32				32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	136981
5°	136937
10°	136981
15°	136859
20°	136225
25°	134913
30°	132958
35°	129323
40°	119620
45°	97573
50°	73347
55°	56357
60°	45664
65°	39650
70°	37348
75°	37026
80°	36876
85°	35313



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1632.1	4.5
10°-20°	4692.1	13.1
20°-30°	7084.1	19.7
30°-40°	8263.3	23.0
40°-50°	6676.8	18.6
50°-60°	3735.9	10.4
60°-70°	2135.3	5.9
70°-80°	1271.4	3.5
80°-90°	421.0	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°	13408.3	37.3
0°-40°	21671.6	60.3
0°-60°	32084.4	89.3
0°-90°	35912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35912.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17233	
5°	17162	###
15°	16631	4692
25°	15383	7084
35°	13327	8263
45°	8680	6677
55°	4067	3736
65°	2108	2135
75°	1206	1271
85°	387	421
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17233.1
2.5°	17207.5
5°	17161.9
7.5°	17082.2
10°	16971.2
12.5°	16817.5
15°	16631.0
17.5°	16397.6
20°	16104.4
22.5°	15769.9
25°	15382.7
27.5°	14961.4
30°	14485.9
32.5°	13950.7
35°	13327.3
37.5°	12555.8
40°	11528.1
42.5°	10185.9
45°	8679.9
47.5°	7203.8
50°	5931.3
52.5°	4899.3
55°	4066.7
57.5°	3404.8
60°	2872.4
62.5°	2448.2
65°	2108.1
67.5°	1840.5
70°	1607.0
72.5°	1402.0
75°	1205.6
77.5°	1004.9
80°	805.6
82.5°	599.3
85°	387.2
87.5°	158.0
90°	0.0



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— 0°-180°







(END OF REPORT)