

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 (24K 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 (24K LUMEN 4000K CCT SETTINGS)
Description: CCT AND LUMEN SELECTABLE LINEAR LED LENS HIGH BAY SET AT 24000 LUMENS AND 4000K CCT SETTING

Light Source: -
Ballast/Driver: -

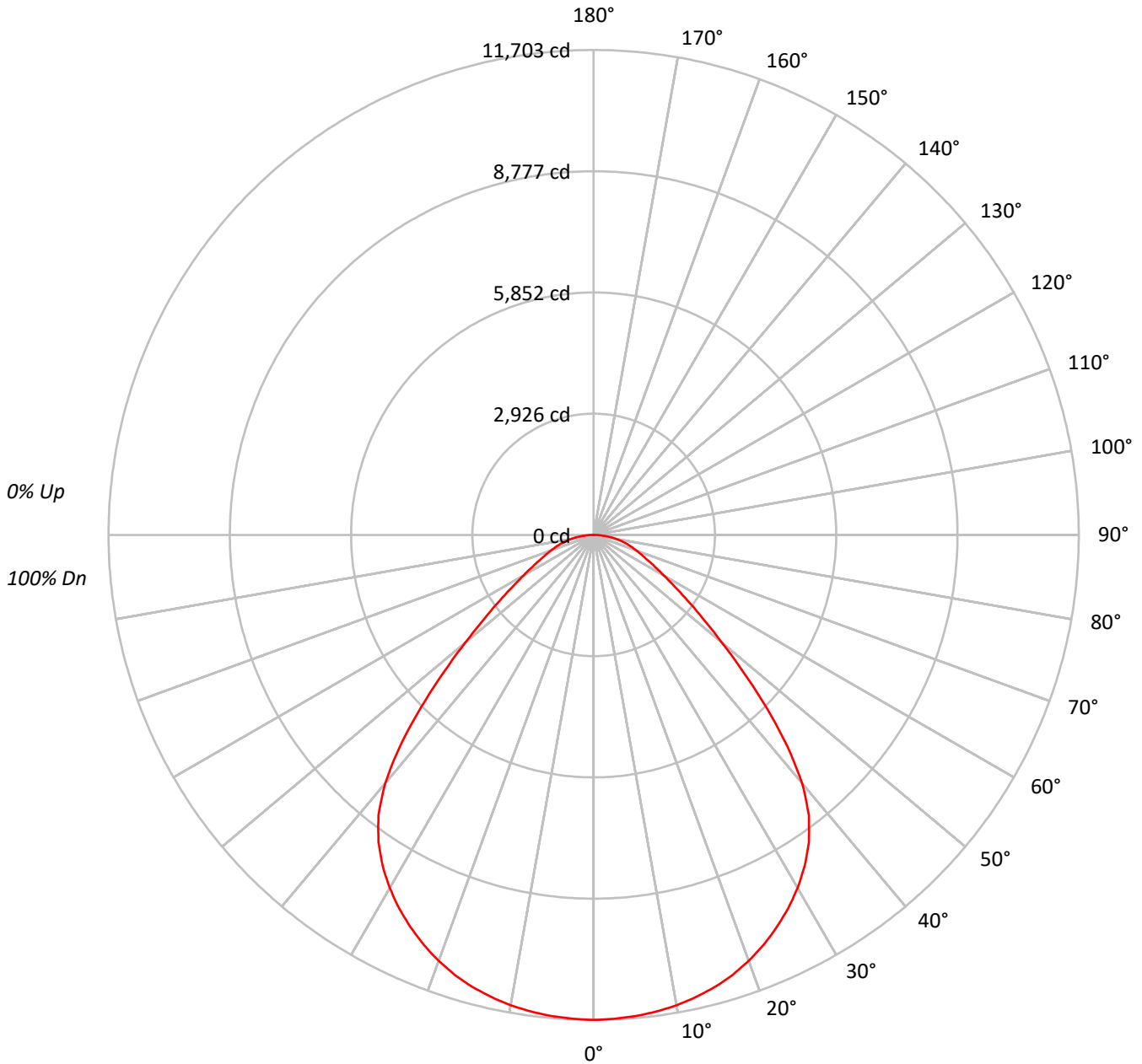
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24388.0 lumens
Efficiency: N/A
Efficacy: 156.9 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): 155.4
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	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°	93025
5°	92995
10°	93024
15°	92942
20°	92510
25°	91621
30°	90293
35°	87824
40°	81234
45°	66262
50°	49810
55°	38272
60°	31011
65°	26926
70°	25362
75°	25144
80°	25043
85°	23977



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1108.4	4.5
10°-20°	3186.4	13.1
20°-30°	4810.9	19.7
30°-40°	5611.6	23.0
40°-50°	4534.3	18.6
50°-60°	2537.1	10.4
60°-70°	1450.1	5.9
70°-80°	863.4	3.5
80°-90°	285.9	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°	9105.6	37.3
0°-40°	14717.3	60.3
0°-60°	21788.7	89.3
0°-90°	24388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24388.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11703	
5°	11655	###
15°	11294	3186
25°	10446	4811
35°	9051	5612
45°	5895	4534
55°	2762	2537
65°	1432	1450
75°	819	863
85°	263	286
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11703.1
2.5°	11685.7
5°	11654.8
7.5°	11600.6
10°	11525.2
12.5°	11420.8
15°	11294.2
17.5°	11135.7
20°	10936.5
22.5°	10709.4
25°	10446.5
27.5°	10160.3
30°	9837.5
32.5°	9474.0
35°	9050.6
37.5°	8526.7
40°	7828.8
42.5°	6917.3
45°	5894.6
47.5°	4892.2
50°	4028.0
52.5°	3327.2
55°	2761.7
57.5°	2312.2
60°	1950.7
62.5°	1662.6
65°	1431.6
67.5°	1249.9
70°	1091.3
72.5°	952.1
75°	818.7
77.5°	682.4
80°	547.1
82.5°	407.0
85°	262.9
87.5°	107.3
90°	0.0



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— 0°-180°







(END OF REPORT)