

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P980681

Luminaire Tested: UHBS2-2436-M-L83065-LOW-4000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-LOW-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

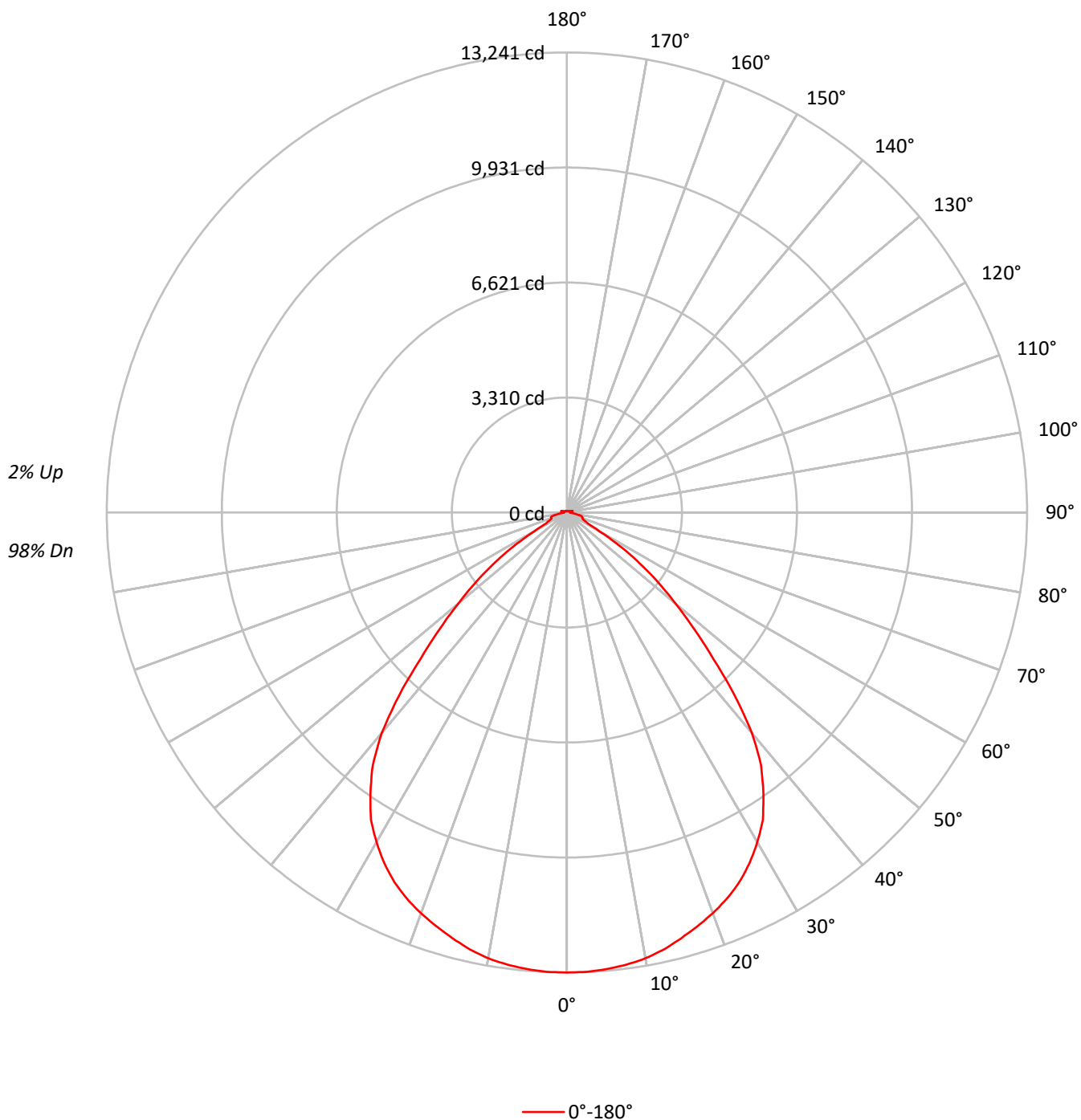
Lumens per Lamp: N/A
Luminaire Lumens: 25045.0 lumens
Efficiency: N/A
Efficacy: 163.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 152.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.2
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100
1	111	107	104	101	108	105	102	99	100	98	96		96	94	93		92
2	103	97	92	87	101	95	90	86	91	87	84		88	85	82		85
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77
4	89	80	72	67	87	78	72	66	76	70	65		73	68	64		71
5	83	73	65	59	81	71	64	59	69	63	58		67	62	58		65
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55
8	68	56	49	44	66	55	48	43	54	48	43		53	47	43		51
9	64	52	45	40	62	51	44	40	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		45	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101518
5°	99447
10°	97356
15°	94684
20°	92157
25°	89393
30°	85281
35°	79073
40°	69109
45°	52196
50°	37985
55°	25656
60°	11779
65°	6735
70°	6368
75°	7098
80°	5268
85°	2927

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52196 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1254.1	5.0
10°-20°	3582.8	14.3
20°-30°	5394.2	21.5
30°-40°	6115.5	24.4
40°-50°	4652.2	18.6
50°-60°	2292.7	9.2
60°-70°	620.5	2.5
70°-80°	445.8	1.8
80°-90°	159.1	0.6
90°-100°	122.0	0.5
100°-110°	165.8	0.7
110°-120°	89.2	0.4
120°-130°	48.0	0.2
130°-140°	36.3	0.1
140°-150°	30.3	0.1
150°-160°	22.0	0.1
160°-170°	11.2	0.0
170°-180°	3.2	0.0
0°-30°	10231.1	40.9
0°-40°	16346.7	65.3
0°-60°	23291.5	93.0
0°-90°	24517.0	97.9
90°-120°	377.0	1.5
90°-150°	491.7	2.0
90°-180°	528.0	2.1
0°-180°	25045.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13241	
5°	13191	###
15°	12690	3583
25°	11740	5394
35°	9857	6116
45°	5960	4652
55°	2572	2293
65°	561	621
75°	452	446
85°	124	134
90°	83	49
95°	106	98
105°	166	166
115°	87	89
125°	52	48
135°	46	36
145°	48	30
155°	48	22
165°	39	11
175°	33	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13241.1
2.5°	13231.4
5°	13190.8
7.5°	13127.0
10°	13030.3
12.5°	12885.2
15°	12689.9
17.5°	12486.9
20°	12274.1
22.5°	12032.4
25°	11740.4
27.5°	11380.7
30°	10957.2
32.5°	10491.1
35°	9856.8
37.5°	9178.0
40°	8284.6
42.5°	7157.2
45°	5960.1
47.5°	4958.4
50°	4088.2
52.5°	3322.4
55°	2572.0
57.5°	1854.6
60°	1084.9
62.5°	680.7
65°	560.8
67.5°	495.1
70°	469.9
72.5°	473.8
75°	452.5
77.5°	386.8
80°	280.4
82.5°	181.8
85°	123.8
87.5°	96.7
90°	83.2
92.5°	90.9
95°	106.4
97.5°	131.5
100°	154.7
102.5°	168.2
105°	166.3
107.5°	150.8
110°	127.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.4
115°	87.0
117.5°	71.6
120°	61.9
122.5°	56.1
125°	52.2
127.5°	50.3
130°	48.3
132.5°	46.4
135°	46.4
137.5°	46.4
140°	48.3
142.5°	48.3
145°	48.3
147.5°	48.3
150°	48.3
152.5°	48.3
155°	48.3
157.5°	46.4
160°	44.5
162.5°	40.6
165°	38.7
167.5°	36.7
170°	34.8
172.5°	32.9
175°	32.9
177.5°	32.9
180°	32.9

(END OF REPORT)