

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: P980678

Luminaire Tested: UHBS2-2436-M-L83065-LOW-3500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980678
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-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

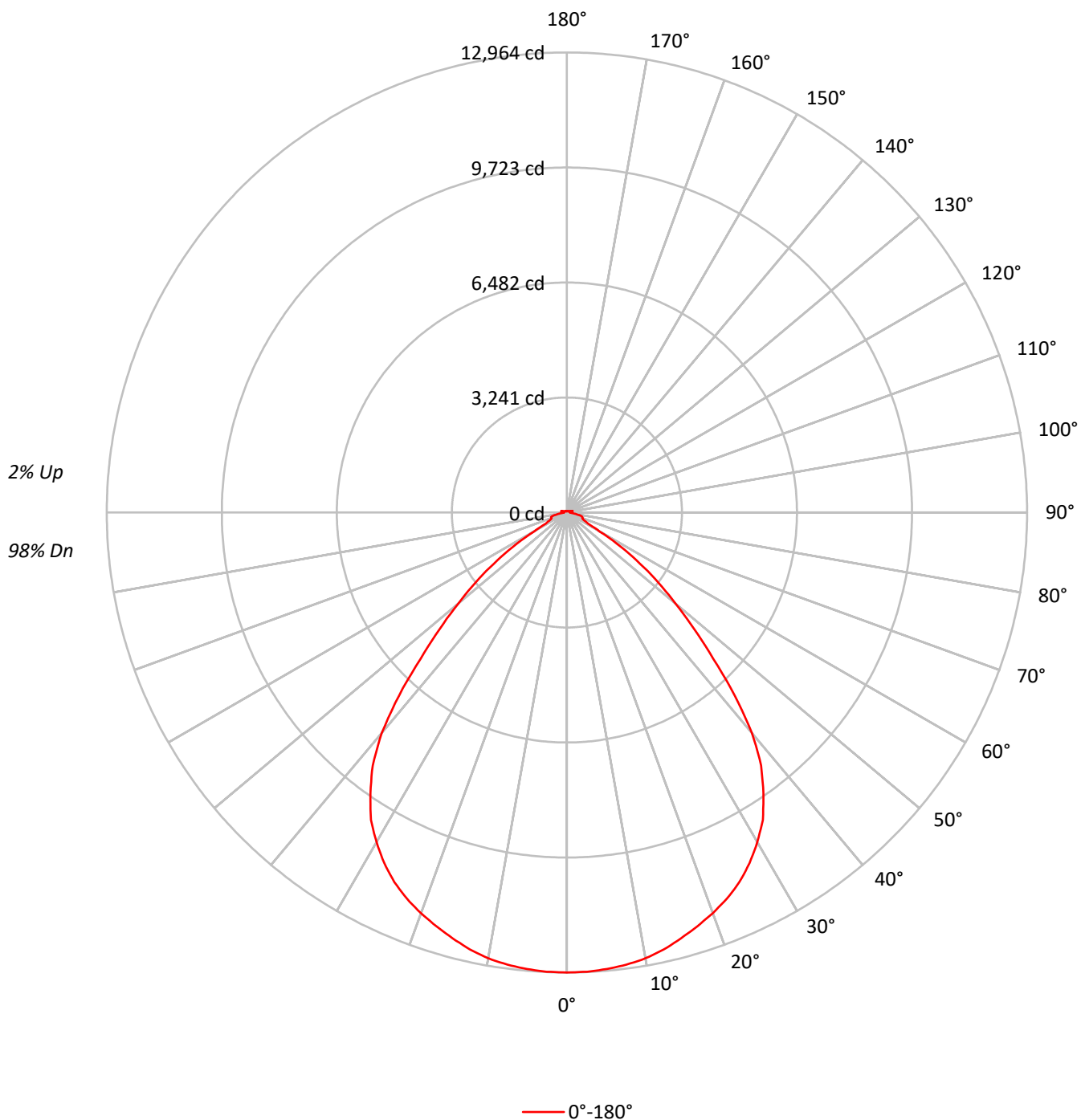
Lumens per Lamp: N/A
Luminaire Lumens: 24519.9 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 154.4
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			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	93	92	91	90			88
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80			78
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	74	71			69
4	89	80	72	67	87	78	72	66	76	70	65	73	68	64	71	67	63			61
5	83	73	65	59	81	71	64	59	69	63	58	67	62	58	65	61	57			55
6	78	66	59	53	76	65	58	53	63	57	52	62	56	52	60	55	51			49
7	73	61	53	48	71	60	53	48	58	52	47	57	51	47	55	50	46			45
8	68	56	49	44	66	55	48	43	54	48	43	53	47	43	51	46	42			41
9	64	52	45	40	62	51	44	40	50	44	39	49	43	39	48	43	39			37
10	60	48	41	36	59	48	41	36	47	40	36	45	40	36	45	39	36			34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	99389
5°	97362
10°	95314
15°	92699
20°	90226
25°	87519
30°	83493
35°	77416
40°	67660
45°	51102
50°	37188
55°	25118
60°	11531
65°	6595
70°	6235
75°	6949
80°	5157
85°	2865

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51102 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1227.9	5.0
10°-20°	3507.7	14.3
20°-30°	5281.1	21.5
30°-40°	5987.3	24.4
40°-50°	4554.6	18.6
50°-60°	2244.6	9.2
60°-70°	607.5	2.5
70°-80°	436.5	1.8
80°-90°	155.7	0.6
90°-100°	119.4	0.5
100°-110°	162.4	0.7
110°-120°	87.3	0.4
120°-130°	47.0	0.2
130°-140°	35.5	0.1
140°-150°	29.7	0.1
150°-160°	21.5	0.1
160°-170°	10.9	0.0
170°-180°	3.1	0.0
0°-30°	10016.7	40.9
0°-40°	16004.0	65.3
0°-60°	22803.2	93.0
0°-90°	24003.0	97.9
90°-120°	369.1	1.5
90°-150°	481.4	2.0
90°-180°	517.0	2.1
0°-180°	24519.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12964	
5°	12914	###
15°	12424	3508
25°	11494	5281
35°	9650	5987
45°	5835	4555
55°	2518	2245
65°	549	608
75°	443	436
85°	121	132
90°	81	47
95°	104	96
105°	163	162
115°	85	87
125°	51	47
135°	45	36
145°	47	30
155°	47	22
165°	38	11
175°	32	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12963.5
2.5°	12954.0
5°	12914.3
7.5°	12851.8
10°	12757.1
12.5°	12615.1
15°	12423.9
17.5°	12225.1
20°	12016.8
22.5°	11780.2
25°	11494.3
27.5°	11142.1
30°	10727.5
32.5°	10271.2
35°	9650.2
37.5°	8985.6
40°	8110.9
42.5°	7007.1
45°	5835.2
47.5°	4854.4
50°	4002.5
52.5°	3252.7
55°	2518.1
57.5°	1815.7
60°	1062.1
62.5°	666.4
65°	549.1
67.5°	484.7
70°	460.1
72.5°	463.9
75°	443.0
77.5°	378.7
80°	274.5
82.5°	178.0
85°	121.2
87.5°	94.7
90°	81.4
92.5°	89.0
95°	104.1
97.5°	128.7
100°	151.5
102.5°	164.7
105°	162.8
107.5°	147.7
110°	125.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	102.2
115°	85.2
117.5°	70.1
120°	60.6
122.5°	54.9
125°	51.1
127.5°	49.2
130°	47.3
132.5°	45.4
135°	45.4
137.5°	45.4
140°	47.3
142.5°	47.3
145°	47.3
147.5°	47.3
150°	47.3
152.5°	47.3
155°	47.3
157.5°	45.4
160°	43.5
162.5°	39.8
165°	37.9
167.5°	36.0
170°	34.1
172.5°	32.2
175°	32.2
177.5°	32.2
180°	32.2

(END OF REPORT)