

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: P980717

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-N-L83065-LOW-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

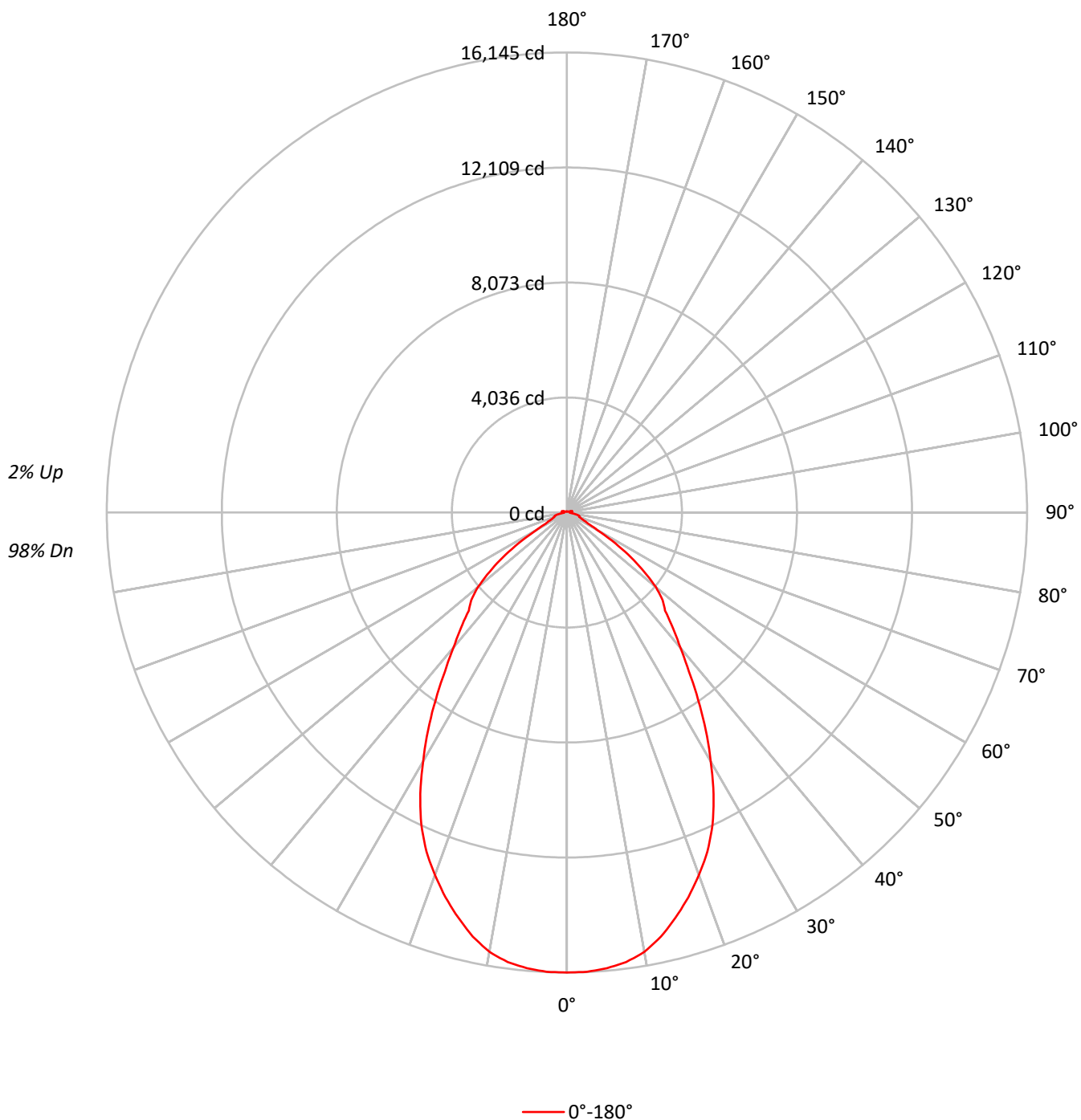
Lumens per Lamp: N/A
Luminaire Lumens: 24288.9 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

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	0
RCR																					
0	119	119	119	119	115	115	115	115	110	110	110	105	105	105	100	100	100				98
1	111	107	104	101	108	105	102	100	101	98	96	96	94	93	93	91	90				88
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80				78
3	97	88	82	77	94	87	81	76	84	79	74	81	76	73	78	75	72				70
4	90	80	73	68	88	79	73	67	76	71	66	74	69	65	72	68	64				62
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58				56
6	79	68	60	55	77	67	60	55	65	59	54	63	58	53	61	57	53				51
7	74	62	55	50	72	61	54	50	60	54	49	58	53	49	57	52	48				46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44				43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	44	41				39
10	62	50	43	39	60	49	43	38	48	42	38	47	42	38	46	41	38				36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123778
5°	121041
10°	116999
15°	109852
20°	101675
25°	92041
30°	78575
35°	64430
40°	51621
45°	42648
50°	37894
55°	27511
60°	13449
65°	7857
70°	6467
75°	6706
80°	4856
85°	2915

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42648 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1520.4	6.3
10°-20°	4131.3	17.0
20°-30°	5500.1	22.6
30°-40°	5020.2	20.7
40°-50°	3863.3	15.9
50°-60°	2407.8	9.9
60°-70°	710.8	2.9
70°-80°	426.3	1.8
80°-90°	155.4	0.6
90°-100°	137.6	0.6
100°-110°	179.5	0.7
110°-120°	88.8	0.4
120°-130°	46.9	0.2
130°-140°	35.6	0.1
140°-150°	28.7	0.1
150°-160°	20.8	0.1
160°-170°	11.6	0.0
170°-180°	3.5	0.0
0°-30°	11151.9	45.9
0°-40°	16172.1	66.6
0°-60°	22443.3	92.4
0°-90°	23735.8	97.7
90°-120°	406.0	1.7
90°-150°	517.2	2.1
90°-180°	553.0	2.3
0°-180°	24288.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16145	
5°	16055	###
15°	14723	4131
25°	12088	5500
35°	8032	5020
45°	4870	3863
55°	2758	2408
65°	654	711
75°	428	426
85°	123	129
90°	92	53
95°	121	111
105°	179	180
115°	86	89
125°	52	47
135°	46	36
145°	46	29
155°	46	21
165°	40	12
175°	36	3
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16144.6
2.5°	16132.7
5°	16055.1
7.5°	15913.9
10°	15659.4
12.5°	15249.8
15°	14722.8
17.5°	14160.1
20°	13541.7
22.5°	12885.5
25°	12088.1
27.5°	11143.5
30°	10095.6
32.5°	9073.5
35°	8031.5
37.5°	7029.3
40°	6188.2
42.5°	5506.1
45°	4869.8
47.5°	4555.6
50°	4078.4
52.5°	3414.2
55°	2758.0
57.5°	2012.4
60°	1238.8
62.5°	831.2
65°	654.2
67.5°	538.9
70°	477.2
72.5°	457.4
75°	427.5
77.5°	361.9
80°	258.5
82.5°	173.0
85°	123.3
87.5°	99.4
90°	91.5
92.5°	101.4
95°	121.3
97.5°	149.1
100°	175.0
102.5°	186.9
105°	179.0
107.5°	159.1
110°	131.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	105.4
115°	85.5
117.5°	69.6
120°	59.7
122.5°	53.7
125°	51.7
127.5°	49.7
130°	47.7
132.5°	45.7
135°	45.7
137.5°	45.7
140°	45.7
142.5°	45.7
145°	45.7
147.5°	45.7
150°	45.7
152.5°	45.7
155°	45.7
157.5°	43.7
160°	43.7
162.5°	41.8
165°	39.8
167.5°	39.8
170°	37.8
172.5°	35.8
175°	35.8
177.5°	37.8
180°	37.8

(END OF REPORT)