

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: P980753

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-W-L83065-LOW-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

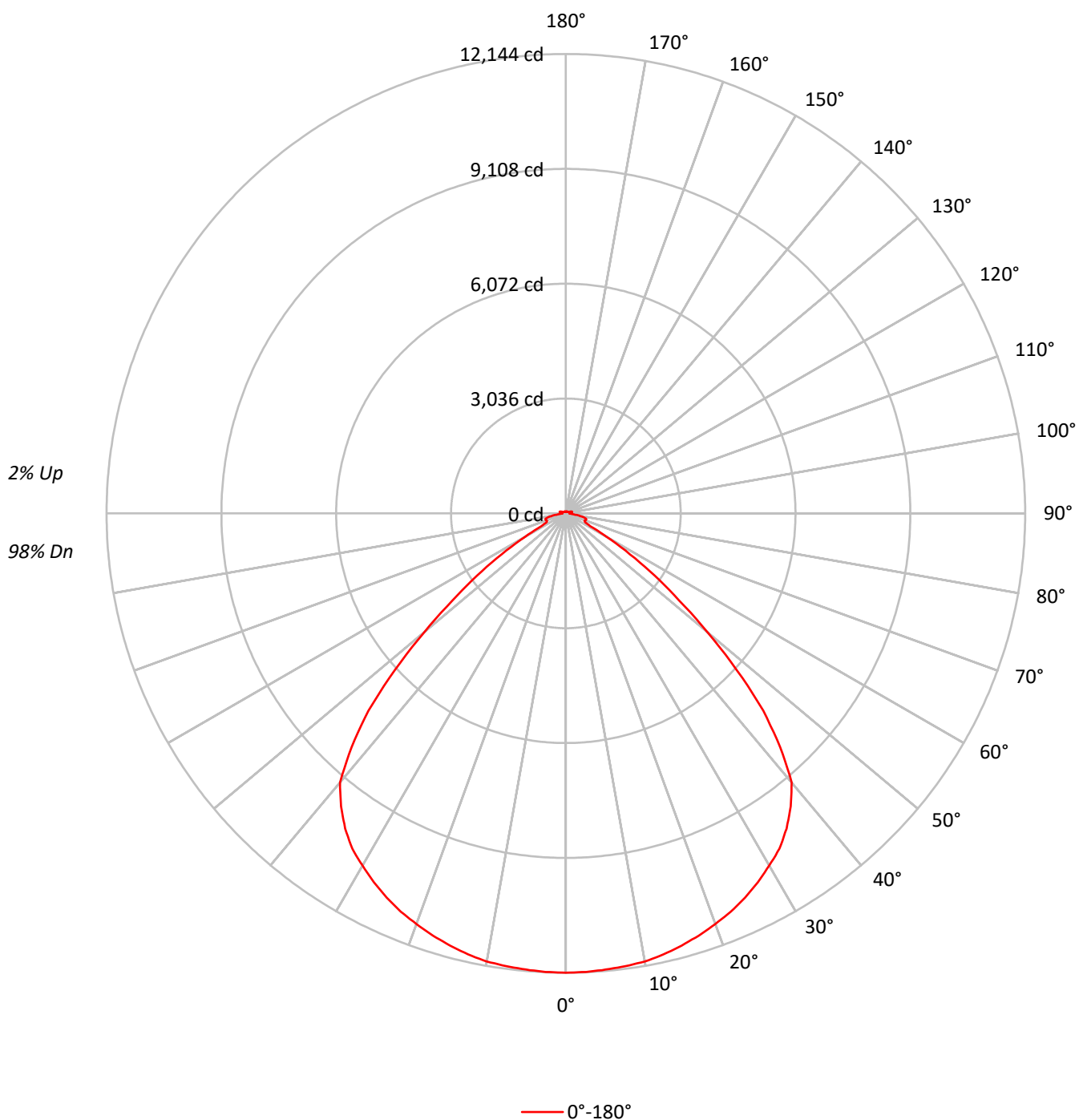
Lumens per Lamp: N/A
Luminaire Lumens: 26146.0 lumens
Efficiency: N/A
Efficacy: 169.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

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
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	95		96	94	92		92
2	103	96	91	86	100	94	89	85	90	86	83		87	84	81		84
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76
4	88	78	71	65	86	77	70	65	74	68	64		72	67	63		70
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64
6	76	65	57	51	74	64	56	51	62	55	50		60	54	50		58
7	71	59	51	46	69	58	51	46	57	50	45		55	49	45		54
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50
9	62	50	43	38	61	49	42	37	48	42	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93104
5°	91275
10°	89876
15°	88247
20°	86733
25°	85354
30°	83682
35°	81595
40°	77479
45°	64609
50°	45349
55°	28526
60°	13574
65°	6878
70°	7367
75°	8710
80°	6784
85°	3534

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1153.2	4.4
10°-20°	3342.3	12.8
20°-30°	5167.2	19.8
30°-40°	6336.7	24.2
40°-50°	5565.4	21.3
50°-60°	2595.0	9.9
60°-70°	674.1	2.6
70°-80°	544.2	2.1
80°-90°	195.0	0.7
90°-100°	126.2	0.5
100°-110°	173.4	0.7
110°-120°	99.9	0.4
120°-130°	54.8	0.2
130°-140°	41.3	0.2
140°-150°	35.2	0.1
150°-160°	25.6	0.1
160°-170°	13.0	0.0
170°-180°	3.4	0.0
0°-30°	9662.7	37.0
0°-40°	15999.5	61.2
0°-60°	24159.9	92.4
0°-90°	25573.2	97.8
90°-120°	399.5	1.5
90°-150°	530.9	2.0
90°-180°	573.0	2.2
0°-180°	26146.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12144	
5°	12107	###
15°	11827	3342
25°	11210	5167
35°	10171	6337
45°	7378	5565
55°	2860	2595
65°	573	674
75°	555	544
85°	150	168
90°	89	52
95°	111	101
105°	173	173
115°	97	100
125°	60	55
135°	52	41
145°	56	35
155°	56	26
165°	45	13
175°	35	3
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12143.7
2.5°	12134.0
5°	12106.9
7.5°	12071.9
10°	12029.2
12.5°	11941.8
15°	11827.3
17.5°	11701.1
20°	11551.6
22.5°	11396.3
25°	11209.9
27.5°	10990.5
30°	10751.7
32.5°	10511.0
35°	10171.2
37.5°	9761.6
40°	9287.9
42.5°	8389.0
45°	7377.5
47.5°	6136.9
50°	4880.8
52.5°	3770.3
55°	2859.7
57.5°	2011.3
60°	1250.3
62.5°	726.1
65°	572.7
67.5°	535.8
70°	543.6
72.5°	565.0
75°	555.3
77.5°	487.3
80°	361.1
82.5°	233.0
85°	149.5
87.5°	108.7
90°	89.3
92.5°	95.1
95°	110.7
97.5°	134.0
100°	157.3
102.5°	172.8
105°	172.8
107.5°	161.1
110°	139.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	116.5
115°	97.1
117.5°	81.5
120°	71.8
122.5°	64.1
125°	60.2
127.5°	56.3
130°	54.4
132.5°	52.4
135°	52.4
137.5°	54.4
140°	54.4
142.5°	56.3
145°	56.3
147.5°	56.3
150°	56.3
152.5°	56.3
155°	56.3
157.5°	54.4
160°	50.5
162.5°	48.5
165°	44.7
167.5°	42.7
170°	38.8
172.5°	34.9
175°	34.9
177.5°	34.9
180°	34.9

(END OF REPORT)