

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: P980693

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980693
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-MID-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

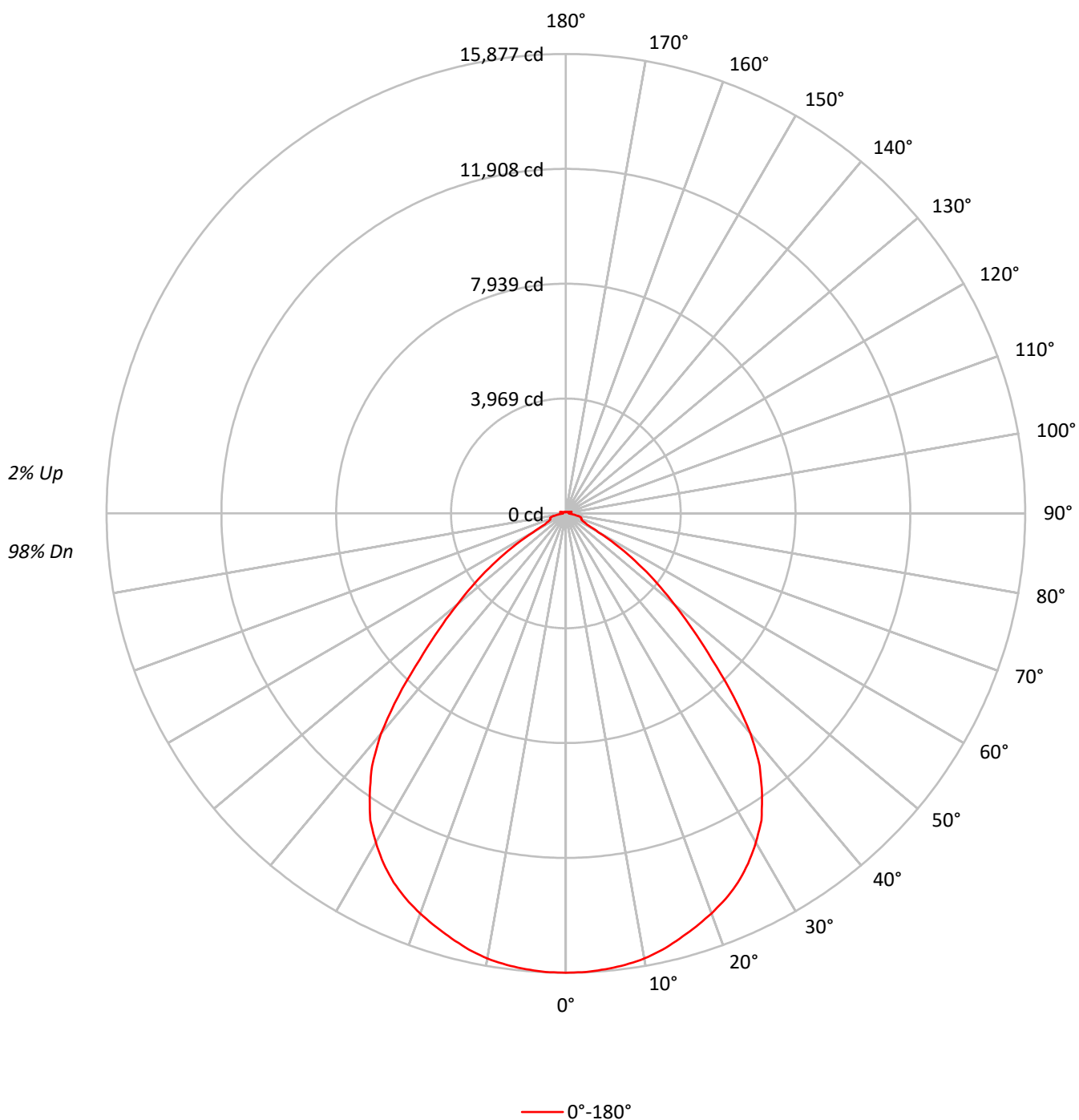
Lumens per Lamp: N/A
Luminaire Lumens: 30030.0 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 192.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.15
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°	121724
5°	119241
10°	116733
15°	113529
20°	110501
25°	107186
30°	102255
35°	94812
40°	82865
45°	62585
50°	45545
55°	30763
60°	14123
65°	8075
70°	7637
75°	8511
80°	6316
85°	3508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1503.8	5.0
10°-20°	4295.9	14.3
20°-30°	6467.9	21.5
30°-40°	7332.8	24.4
40°-50°	5578.1	18.6
50°-60°	2749.0	9.2
60°-70°	744.0	2.5
70°-80°	534.6	1.8
80°-90°	190.7	0.6
90°-100°	146.3	0.5
100°-110°	198.8	0.7
110°-120°	106.9	0.4
120°-130°	57.6	0.2
130°-140°	43.6	0.1
140°-150°	36.4	0.1
150°-160°	26.4	0.1
160°-170°	13.4	0.0
170°-180°	3.8	0.0
0°-30°	12267.6	40.9
0°-40°	19600.4	65.3
0°-60°	27927.5	93.0
0°-90°	29396.8	97.9
90°-120°	452.1	1.5
90°-150°	589.7	2.0
90°-180°	633.0	2.1
0°-180°	30030.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15877	
5°	15816	###
15°	15216	4296
25°	14077	6468
35°	11819	7333
45°	7146	5578
55°	3084	2749
65°	672	744
75°	543	535
85°	148	161
90°	100	58
95°	128	118
105°	199	199
115°	104	107
125°	63	58
135°	56	44
145°	58	36
155°	58	26
165°	46	13
175°	39	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15876.6
2.5°	15865.0
5°	15816.3
7.5°	15739.8
10°	15623.8
12.5°	15449.9
15°	15215.7
17.5°	14972.3
20°	14717.2
22.5°	14427.4
25°	14077.2
27.5°	13645.9
30°	13138.1
32.5°	12579.3
35°	11818.7
37.5°	11004.9
40°	9933.6
42.5°	8581.7
45°	7146.4
47.5°	5945.3
50°	4901.9
52.5°	3983.6
55°	3084.0
57.5°	2223.7
60°	1300.8
62.5°	816.2
65°	672.4
67.5°	593.6
70°	563.5
72.5°	568.1
75°	542.6
77.5°	463.8
80°	336.2
82.5°	218.0
85°	148.4
87.5°	115.9
90°	99.7
92.5°	109.0
95°	127.5
97.5°	157.7
100°	185.5
102.5°	201.7
105°	199.4
107.5°	180.9
110°	153.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	125.2
115°	104.3
117.5°	85.8
120°	74.2
122.5°	67.2
125°	62.6
127.5°	60.3
130°	58.0
132.5°	55.7
135°	55.7
137.5°	55.7
140°	58.0
142.5°	58.0
145°	58.0
147.5°	58.0
150°	58.0
152.5°	58.0
155°	58.0
157.5°	55.7
160°	53.3
162.5°	48.7
165°	46.4
167.5°	44.1
170°	41.7
172.5°	39.4
175°	39.4
177.5°	39.4
180°	39.4

(END OF REPORT)