

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: P1175854

Luminaire Tested: UHBS2-2436-W-L83065-MID-5000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-W-L83065-MID-5000K-CLR6
Description: UHBS2 LED High Bay at 5000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

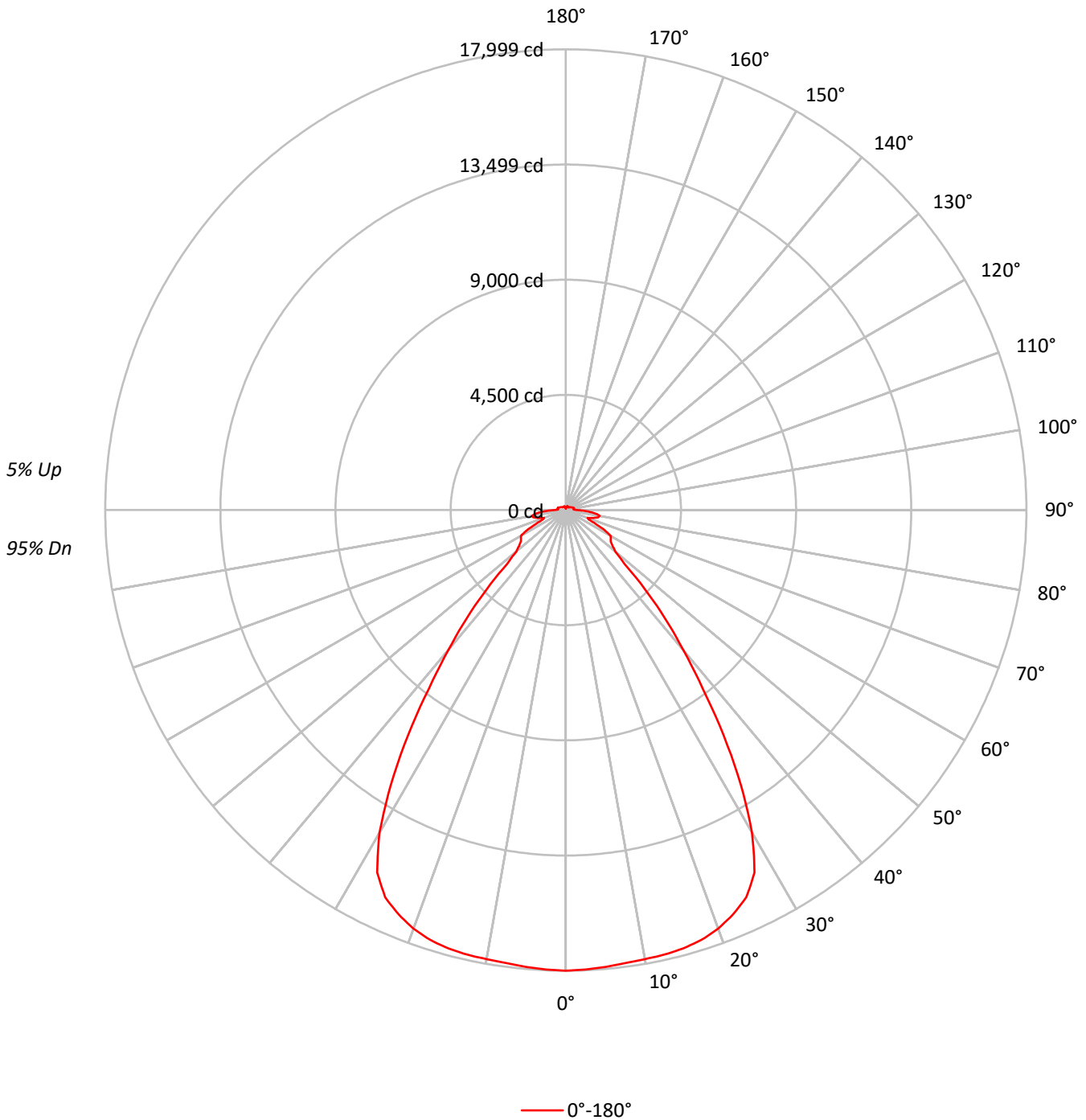
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31415.0 lumens
Efficiency: N/A
Efficacy: 164.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 191
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				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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	95
1	109	105	101	98	106	102	99	96	97	95	92	93	90	88	88	87	85	88	87	85	83
2	101	94	89	84	99	92	87	83	88	84	80	84	81	78	81	78	75	81	78	75	73
3	94	86	79	73	92	84	78	73	80	75	71	77	73	69	74	70	67	74	70	67	65
4	88	78	71	65	86	77	70	64	74	68	63	71	66	62	68	64	61	68	64	61	59
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	59	55	63	59	55	53
6	77	66	58	53	75	65	58	52	63	56	52	61	55	51	59	54	50	59	54	50	48
7	72	61	53	48	71	60	53	48	58	52	47	56	51	47	55	50	46	55	50	46	44
8	68	56	49	44	66	56	49	44	54	48	43	52	47	43	51	46	42	51	46	42	41
9	64	52	45	40	63	52	45	40	50	44	40	49	43	39	48	43	39	48	43	39	37
10	61	49	42	37	59	48	42	37	47	41	37	46	40	37	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113844
5°	109610
10°	106320
15°	104067
20°	101235
25°	96963
30°	85075
35°	63712
40°	43230
45°	27191
50°	16407
55°	14597
60°	14631
65°	9940
70°	7669
75°	10959
80°	14129
85°	12273

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 27191 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1706.7	5.4
10°-20°	5008.4	15.9
20°-30°	7571.9	24.1
30°-40°	6677.0	21.3
40°-50°	3434.1	10.9
50°-60°	1970.0	6.3
60°-70°	1342.3	4.3
70°-80°	1223.0	3.9
80°-90°	1044.2	3.3
90°-100°	358.0	1.1
100°-110°	331.9	1.1
110°-120°	247.9	0.8
120°-130°	172.5	0.5
130°-140°	117.9	0.4
140°-150°	92.7	0.3
150°-160°	71.8	0.2
160°-170°	36.3	0.1
170°-180°	8.3	0.0
0°-30°	14287.0	45.5
0°-40°	20964.0	66.7
0°-60°	26368.1	83.9
0°-90°	29977.6	95.4
90°-120°	937.9	3.0
90°-150°	1321.1	4.2
90°-180°	1437.0	4.6
0°-180°	31415.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17999	
5°	17917	###
15°	17734	5008
25°	16696	7572
35°	10750	6677
45°	4354	3434
55°	2141	1970
65°	1280	1342
75°	1172	1223
85°	1005	887
90°	445	263
95°	298	252
105°	321	332
115°	247	248
125°	193	173
135°	149	118
145°	146	93
155°	157	72
165°	126	36
175°	80	8
180°	67	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17998.9
2.5°	17970.6
5°	17916.7
7.5°	17849.8
10°	17816.4
12.5°	17793.3
15°	17734.2
17.5°	17613.3
20°	17407.7
22.5°	17094.1
25°	16695.7
27.5°	15968.2
30°	14557.0
32.5°	12737.0
35°	10750.0
37.5°	8775.8
40°	7135.8
42.5°	5716.9
45°	4354.5
47.5°	3100.1
50°	2526.8
52.5°	2303.2
55°	2141.3
57.5°	2082.1
60°	2023.0
62.5°	1727.4
65°	1280.1
67.5°	969.1
70°	907.4
72.5°	1012.8
75°	1172.2
77.5°	1308.4
80°	1339.3
82.5°	1233.9
85°	1005.1
87.5°	701.8
90°	444.7
92.5°	331.6
95°	298.2
97.5°	303.3
100°	313.6
102.5°	323.9
105°	321.3
107.5°	308.5
110°	287.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	267.3
115°	246.8
117.5°	231.3
120°	215.9
122.5°	205.6
125°	192.8
127.5°	177.4
130°	167.1
132.5°	156.8
135°	149.1
137.5°	146.5
140°	144.0
142.5°	146.5
145°	146.5
147.5°	149.1
150°	154.2
152.5°	156.8
155°	156.8
157.5°	154.2
160°	149.1
162.5°	138.8
165°	126.0
167.5°	113.1
170°	100.3
172.5°	90.0
175°	79.7
177.5°	72.0
180°	66.8

(END OF REPORT)