

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: P1175837

Luminaire Tested: UHBS2-2436-N-L83065-MID-3500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-N-L83065-MID-3500K-CLR6
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

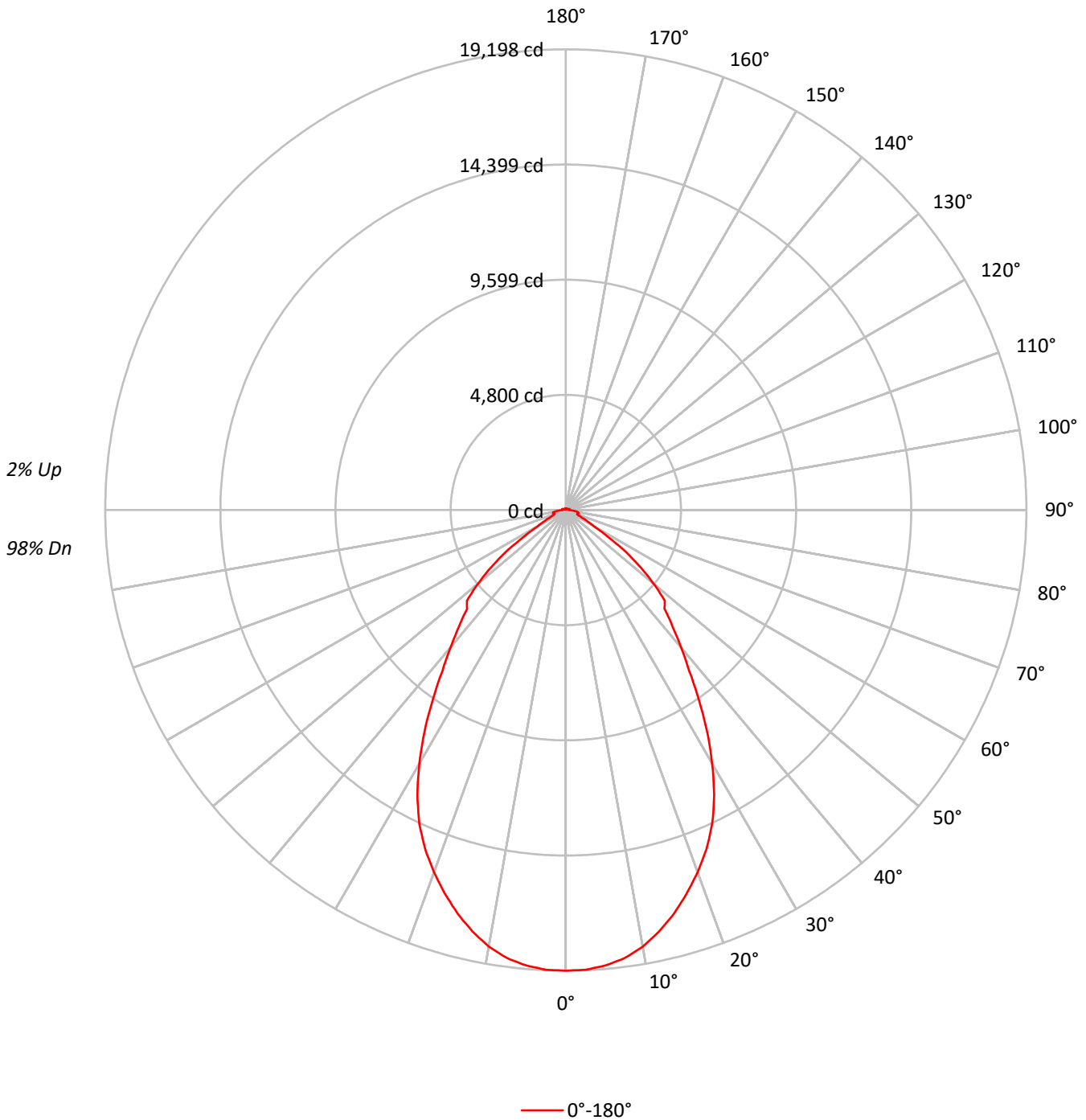
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28956.1 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
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				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	116	116	116	116	110	110	110	105	105	105	100	100	100	98				98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87				87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	78				78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	69				69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	62				62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	56				56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	51				51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	46				46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	42				42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	39				39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	36				36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121432
5°	116559
10°	110227
15°	102180
20°	93384
25°	83847
30°	71322
35°	57346
40°	45206
45°	36340
50°	31027
55°	20931
60°	9819
65°	5649
70°	4236
75°	5004
80°	5441
85°	3833

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 36340 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1800.5	6.2
10°-20°	4884.4	16.9
20°-30°	6574.8	22.7
30°-40°	6053.9	20.9
40°-50°	4643.8	16.0
50°-60°	2703.7	9.3
60°-70°	790.8	2.7
70°-80°	556.2	1.9
80°-90°	348.2	1.2
90°-100°	146.6	0.5
100°-110°	163.5	0.6
110°-120°	110.5	0.4
120°-130°	62.8	0.2
130°-140°	40.8	0.1
140°-150°	34.7	0.1
150°-160°	25.5	0.1
160°-170°	12.2	0.0
170°-180°	3.2	0.0
0°-30°	13259.7	45.8
0°-40°	19313.6	66.7
0°-60°	26661.1	92.1
0°-90°	28356.3	97.9
90°-120°	420.7	1.5
90°-150°	558.9	1.9
90°-180°	600.0	2.1
0°-180°	28956.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19198	
5°	19053	###
15°	17413	4884
25°	14437	6575
35°	9676	6054
45°	5820	4644
55°	3070	2704
65°	728	791
75°	535	556
85°	314	301
90°	139	84
95°	126	111
105°	161	164
115°	110	111
125°	68	63
135°	51	41
145°	56	35
155°	56	26
165°	41	12
175°	32	3
180°	29	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19198.5
2.5°	19171.8
5°	19052.6
7.5°	18831.2
10°	18471.1
12.5°	17982.1
15°	17412.7
17.5°	16758.3
20°	16057.6
22.5°	15303.4
25°	14437.2
27.5°	13395.9
30°	12203.8
32.5°	10965.4
35°	9675.9
37.5°	8452.1
40°	7461.9
42.5°	6586.0
45°	5819.7
47.5°	5591.0
50°	4778.3
52.5°	3943.8
55°	3070.4
57.5°	2106.9
60°	1357.6
62.5°	995.1
65°	727.5
67.5°	557.1
70°	501.2
72.5°	508.5
75°	535.3
77.5°	549.9
80°	515.8
82.5°	428.2
85°	313.9
87.5°	209.2
90°	138.7
92.5°	124.1
95°	126.5
97.5°	141.1
100°	153.3
102.5°	160.6
105°	160.6
107.5°	150.8
110°	138.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	124.1
115°	109.5
117.5°	97.3
120°	87.6
122.5°	77.9
125°	68.1
127.5°	60.8
130°	56.0
132.5°	53.5
135°	51.1
137.5°	51.1
140°	53.5
142.5°	53.5
145°	56.0
147.5°	56.0
150°	58.4
152.5°	58.4
155°	56.0
157.5°	51.1
160°	48.7
162.5°	46.2
165°	41.4
167.5°	38.9
170°	36.5
172.5°	34.1
175°	31.6
177.5°	29.2
180°	29.2

(END OF REPORT)