

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: P1175836

Luminaire Tested: UHBS2-2436-N-L83065-MID-3000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175836
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-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

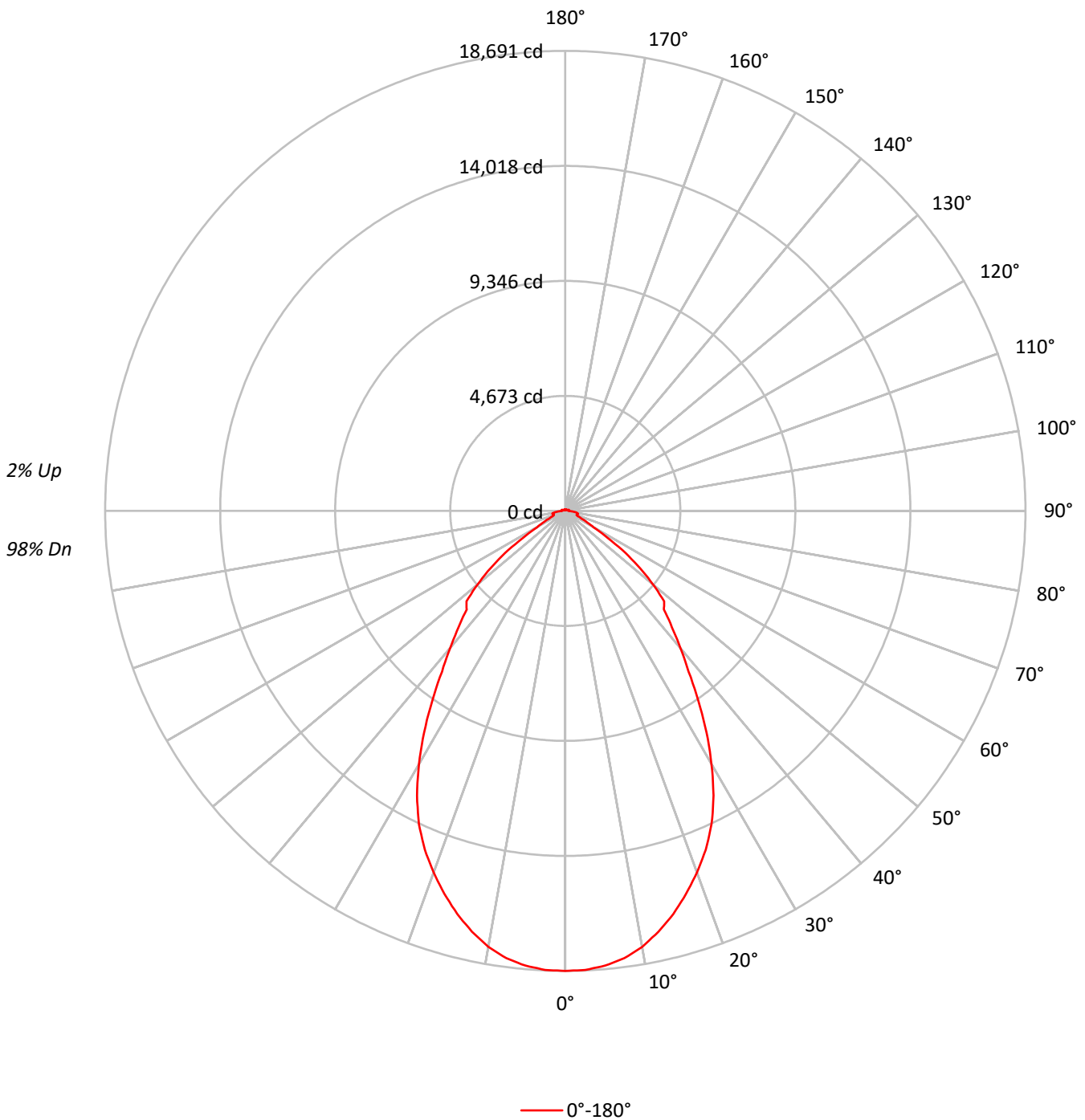
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28190.9 lumens
Efficiency: N/A
Efficacy: 144.9 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): 194.6
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			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	100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	89	89	89	87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	80	80	80	78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	71	71	71	69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	64	64	64	62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	58	58	58	56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	53	53	53	51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	48	48	48	46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	44	44	44	42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	41	41	41	39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118224
5°	113479
10°	107315
15°	99481
20°	90916
25°	81632
30°	69437
35°	55831
40°	44012
45°	35380
50°	30207
55°	20378
60°	9559
65°	5499
70°	4123
75°	4872
80°	5298
85°	3732

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 35380 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1752.9	6.2
10°-20°	4755.3	16.9
20°-30°	6401.1	22.7
30°-40°	5894.0	20.9
40°-50°	4521.1	16.0
50°-60°	2632.3	9.3
60°-70°	769.9	2.7
70°-80°	541.4	1.9
80°-90°	339.0	1.2
90°-100°	142.8	0.5
100°-110°	159.2	0.6
110°-120°	107.6	0.4
120°-130°	61.1	0.2
130°-140°	39.7	0.1
140°-150°	33.8	0.1
150°-160°	24.8	0.1
160°-170°	11.9	0.0
170°-180°	3.1	0.0
0°-30°	12909.3	45.8
0°-40°	18803.3	66.7
0°-60°	25956.7	92.1
0°-90°	27607.1	97.9
90°-120°	409.5	1.5
90°-150°	544.1	1.9
90°-180°	584.0	2.1
0°-180°	28190.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18691	
5°	18549	###
15°	16953	4755
25°	14056	6401
35°	9420	5894
45°	5666	4521
55°	2989	2632
65°	708	770
75°	521	541
85°	306	293
90°	135	81
95°	123	108
105°	156	159
115°	107	108
125°	66	61
135°	50	40
145°	54	34
155°	54	25
165°	40	12
175°	31	3
180°	28	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18691.3
2.5°	18665.3
5°	18549.2
7.5°	18333.7
10°	17983.1
12.5°	17507.0
15°	16952.7
17.5°	16315.5
20°	15633.3
22.5°	14899.1
25°	14055.8
27.5°	13042.0
30°	11881.3
32.5°	10675.7
35°	9420.3
37.5°	8228.8
40°	7264.8
42.5°	6412.0
45°	5665.9
47.5°	5443.2
50°	4652.1
52.5°	3839.6
55°	2989.3
57.5°	2051.3
60°	1321.7
62.5°	968.8
65°	708.2
67.5°	542.4
70°	487.9
72.5°	495.1
75°	521.1
77.5°	535.3
80°	502.2
82.5°	416.9
85°	305.6
87.5°	203.7
90°	135.0
92.5°	120.8
95°	123.2
97.5°	137.4
100°	149.2
102.5°	156.3
105°	156.3
107.5°	146.9
110°	135.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	120.8
115°	106.6
117.5°	94.7
120°	85.3
122.5°	75.8
125°	66.3
127.5°	59.2
130°	54.5
132.5°	52.1
135°	49.7
137.5°	49.7
140°	52.1
142.5°	52.1
145°	54.5
147.5°	54.5
150°	56.8
152.5°	56.8
155°	54.5
157.5°	49.7
160°	47.4
162.5°	45.0
165°	40.3
167.5°	37.9
170°	35.5
172.5°	33.2
175°	30.8
177.5°	28.4
180°	28.4

(END OF REPORT)