

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: P1175782

Luminaire Tested: UHBS2-1218-N-L83065-HIGH-3000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175782
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: UHBS2-1218-N-L83065-HIGH-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

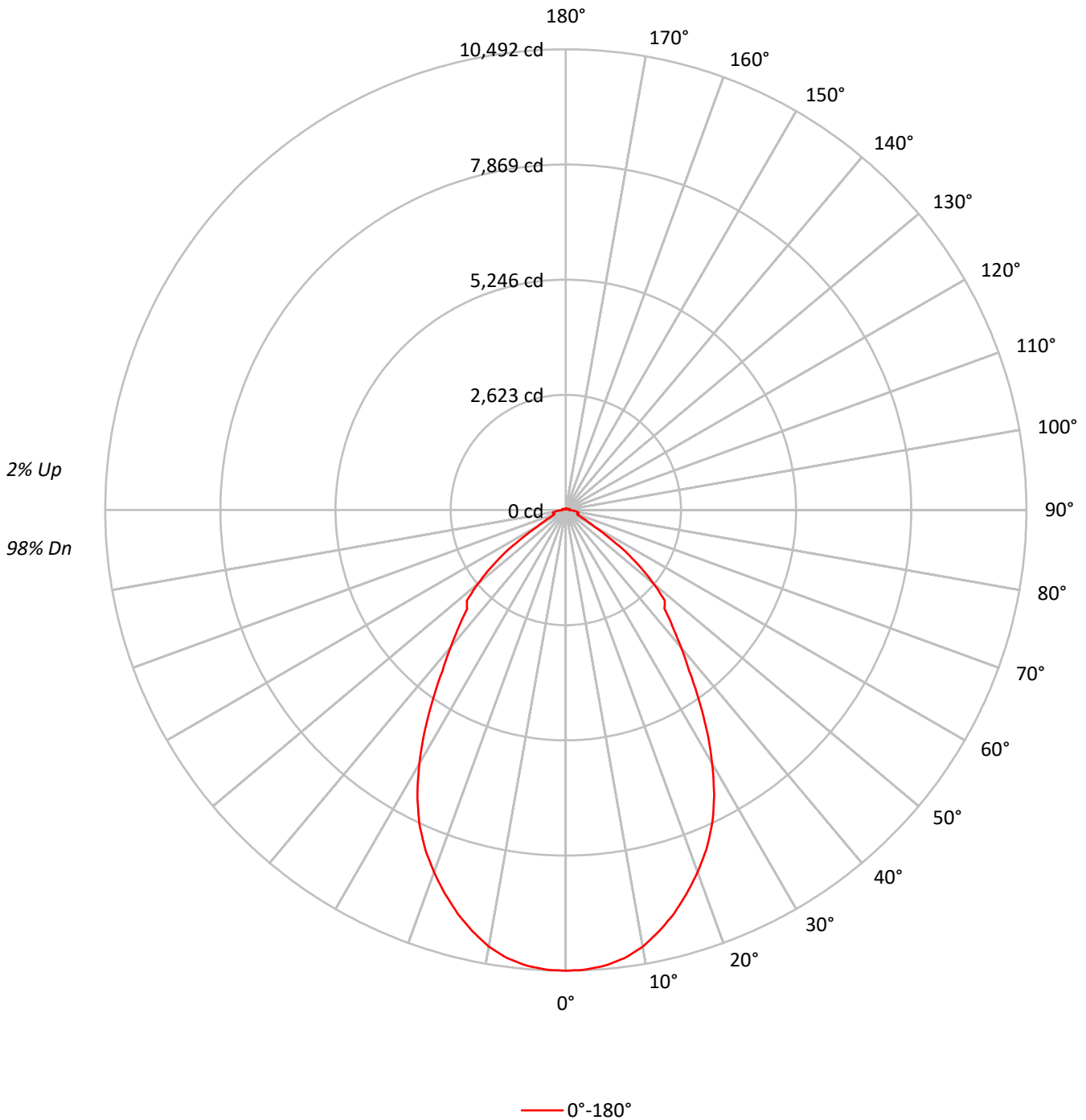
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15824.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 122
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 6.9
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°	84952
5°	81153
10°	76402
15°	70521
20°	64182
25°	57392
30°	48619
35°	38929
40°	30556
45°	24453
50°	20777
55°	13943
60°	6503
65°	3716
70°	2766
75°	3238
80°	3482
85°	2417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	983.9	6.2
10°-20°	2669.2	16.9
20°-30°	3593.0	22.7
30°-40°	3308.4	20.9
40°-50°	2537.8	16.0
50°-60°	1477.5	9.3
60°-70°	432.2	2.7
70°-80°	303.9	1.9
80°-90°	190.3	1.2
90°-100°	80.1	0.5
100°-110°	89.4	0.6
110°-120°	60.4	0.4
120°-130°	34.3	0.2
130°-140°	22.3	0.1
140°-150°	19.0	0.1
150°-160°	13.9	0.1
160°-170°	6.7	0.0
170°-180°	1.7	0.0
0°-30°	7246.2	45.8
0°-40°	10554.6	66.7
0°-60°	14569.9	92.1
0°-90°	15496.2	97.9
90°-120°	229.9	1.5
90°-150°	305.5	1.9
90°-180°	328.0	2.1
0°-180°	15824.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10492	
5°	10412	984
15°	9516	2669
25°	7890	3593
35°	5288	3308
45°	3180	2538
55°	1678	1478
65°	398	432
75°	292	304
85°	172	164
90°	76	46
95°	69	60
105°	88	89
115°	60	60
125°	37	34
135°	28	22
145°	31	19
155°	31	14
165°	23	7
175°	17	2
180°	16	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10491.7
2.5°	10477.1
5°	10411.9
7.5°	10290.9
10°	10094.2
12.5°	9826.9
15°	9515.8
17.5°	9158.1
20°	8775.2
22.5°	8363.0
25°	7889.7
27.5°	7320.7
30°	6669.2
32.5°	5992.4
35°	5287.7
37.5°	4619.0
40°	4077.8
42.5°	3599.2
45°	3180.4
47.5°	3055.4
50°	2611.3
52.5°	2155.2
55°	1677.9
57.5°	1151.4
60°	741.9
62.5°	543.8
65°	397.5
67.5°	304.5
70°	273.9
72.5°	277.9
75°	292.5
77.5°	300.5
80°	281.9
82.5°	234.0
85°	171.5
87.5°	114.3
90°	75.8
92.5°	67.8
95°	69.1
97.5°	77.1
100°	83.8
102.5°	87.8
105°	87.8
107.5°	82.4
110°	75.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	67.8
115°	59.8
117.5°	53.2
120°	47.9
122.5°	42.5
125°	37.2
127.5°	33.2
130°	30.6
132.5°	29.3
135°	27.9
137.5°	27.9
140°	29.3
142.5°	29.3
145°	30.6
147.5°	30.6
150°	31.9
152.5°	31.9
155°	30.6
157.5°	27.9
160°	26.6
162.5°	25.3
165°	22.6
167.5°	21.3
170°	19.9
172.5°	18.6
175°	17.3
177.5°	16.0
180°	16.0

(END OF REPORT)