

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: P1175767

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

Issue Date: 8/26/2025

**Test Information**

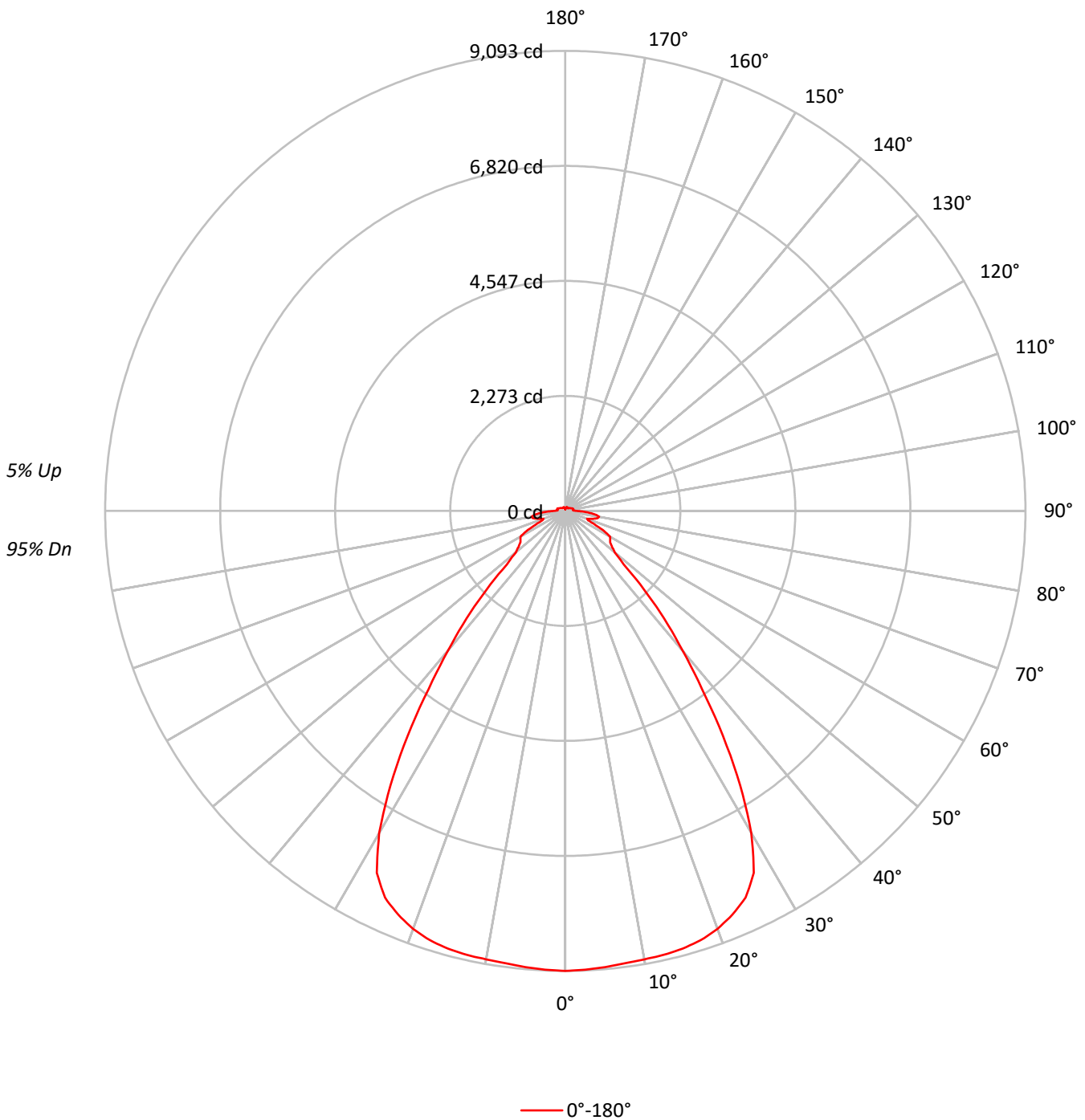
Test Method: LM-79-2019  
Report Number: P1175767  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-1218-M-L83065-HIGH-3000K-CLR6  
Description: 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: 15870.0 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
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	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°	73623
5°	70546
10°	68123
15°	66393
20°	64319
25°	61353
30°	53610
35°	39981
40°	27012
45°	16913
50°	10157
55°	8989
60°	8958
65°	6046
70°	4629
75°	6554
80°	8357
85°	7154

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16913 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	862.2	5.4
10°-20°	2530.1	15.9
20°-30°	3825.1	24.1
30°-40°	3373.0	21.3
40°-50°	1734.8	10.9
50°-60°	995.2	6.3
60°-70°	678.1	4.3
70°-80°	617.8	3.9
80°-90°	527.5	3.3
90°-100°	180.9	1.1
100°-110°	167.6	1.1
110°-120°	125.3	0.8
120°-130°	87.2	0.5
130°-140°	59.6	0.4
140°-150°	46.8	0.3
150°-160°	36.2	0.2
160°-170°	18.3	0.1
170°-180°	4.2	0.0
0°-30°	7217.4	45.5
0°-40°	10590.4	66.7
0°-60°	13320.4	83.9
0°-90°	15143.8	95.4
90°-120°	473.8	3.0
90°-150°	667.4	4.2
90°-180°	726.0	4.6
0°-180°	15870.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9093	
5°	9051	862
15°	8959	2530
25°	8434	3825
35°	5431	3373
45°	2200	1735
55°	1082	995
65°	647	678
75°	592	618
85°	508	448
90°	225	133
95°	151	127
105°	162	168
115°	125	125
125°	97	87
135°	75	60
145°	74	47
155°	79	36
165°	64	18
175°	40	4
180°	34	

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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9092.6
2.5°	9078.3
5°	9051.0
7.5°	9017.2
10°	9000.4
12.5°	8988.7
15°	8958.8
17.5°	8897.8
20°	8793.9
22.5°	8635.5
25°	8434.2
27.5°	8066.7
30°	7353.8
32.5°	6434.4
35°	5430.6
37.5°	4433.3
40°	3604.8
42.5°	2888.0
45°	2199.8
47.5°	1566.1
50°	1276.5
52.5°	1163.5
55°	1081.7
57.5°	1051.8
60°	1022.0
62.5°	872.6
65°	646.7
67.5°	489.6
70°	458.4
72.5°	511.6
75°	592.1
77.5°	661.0
80°	676.6
82.5°	623.3
85°	507.7
87.5°	354.5
90°	224.7
92.5°	167.5
95°	150.6
97.5°	153.2
100°	158.4
102.5°	163.6
105°	162.3
107.5°	155.8
110°	145.4



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	135.1
115°	124.7
117.5°	116.9
120°	109.1
122.5°	103.9
125°	97.4
127.5°	89.6
130°	84.4
132.5°	79.2
135°	75.3
137.5°	74.0
140°	72.7
142.5°	74.0
145°	74.0
147.5°	75.3
150°	77.9
152.5°	79.2
155°	79.2
157.5°	77.9
160°	75.3
162.5°	70.1
165°	63.6
167.5°	57.1
170°	50.6
172.5°	45.4
175°	40.3
177.5°	36.4
180°	33.8

(END OF REPORT)