

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: P1175810

Luminaire Tested: UHBS2-1218-W-L83065-MID-5000K-CLR6

Issue Date: 8/26/2025

**Test Information**

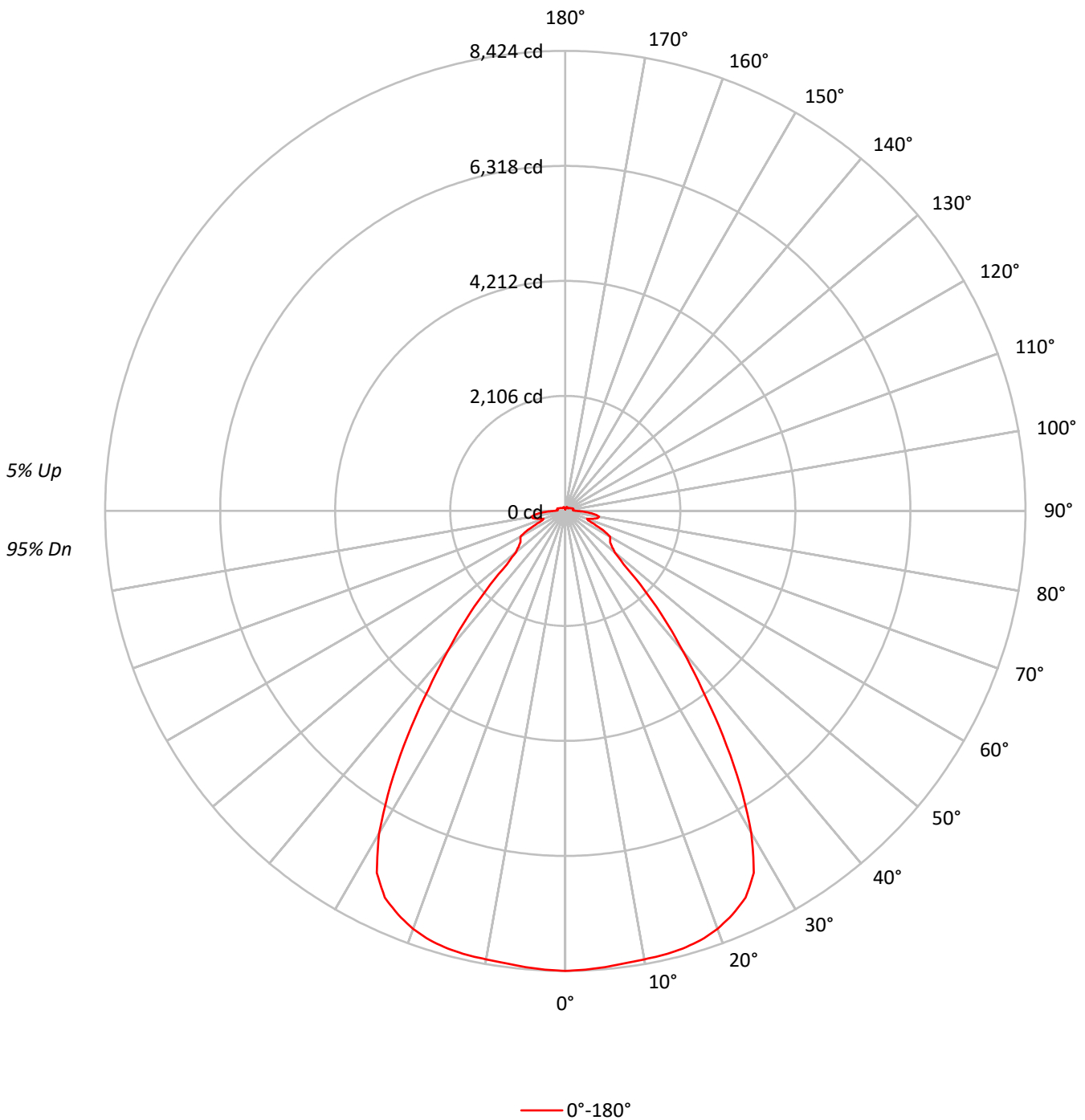
Test Method: LM-79-2019  
Report Number: P1175810  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-1218-W-L83065-MID-5000K-CLR6  
Description: 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: 14703.1 lumens  
Efficiency: N/A  
Efficacy: 152.2 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): 96.6  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.997  
Total Harmonic Distortion (THDi): 7.15  
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	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°	68209
5°	65358
10°	63113
15°	61511
20°	59589
25°	56841
30°	49667
35°	37041
40°	25025
45°	15669
50°	9410
55°	8328
60°	8299
65°	5601
70°	4289
75°	6073
80°	7742
85°	6628

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15669 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	798.8	5.4
10°-20°	2344.1	15.9
20°-30°	3543.9	24.1
30°-40°	3125.0	21.3
40°-50°	1607.2	10.9
50°-60°	922.0	6.3
60°-70°	628.2	4.3
70°-80°	572.4	3.9
80°-90°	488.7	3.3
90°-100°	167.6	1.1
100°-110°	155.3	1.1
110°-120°	116.0	0.8
120°-130°	80.7	0.5
130°-140°	55.2	0.4
140°-150°	43.4	0.3
150°-160°	33.6	0.2
160°-170°	17.0	0.1
170°-180°	3.9	0.0
0°-30°	6686.7	45.5
0°-40°	9811.7	66.7
0°-60°	12340.9	83.9
0°-90°	14030.2	95.4
90°-120°	439.0	3.0
90°-150°	618.4	4.2
90°-180°	673.0	4.6
0°-180°	14703.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8424	
5°	8385	799
15°	8300	2344
25°	7814	3544
35°	5031	3125
45°	2038	1607
55°	1002	922
65°	599	628
75°	549	572
85°	470	415
90°	208	123
95°	140	118
105°	150	155
115°	116	116
125°	90	81
135°	70	55
145°	69	43
155°	73	34
165°	59	17
175°	37	4
180°	31	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8423.9
2.5°	8410.7
5°	8385.4
7.5°	8354.2
10°	8338.5
12.5°	8327.7
15°	8300.0
17.5°	8243.5
20°	8147.2
22.5°	8000.5
25°	7814.0
27.5°	7473.5
30°	6813.0
32.5°	5961.2
35°	5031.3
37.5°	4107.3
40°	3339.7
42.5°	2675.6
45°	2038.0
47.5°	1450.9
50°	1182.6
52.5°	1078.0
55°	1002.2
57.5°	974.5
60°	946.8
62.5°	808.5
65°	599.1
67.5°	453.6
70°	424.7
72.5°	474.0
75°	548.6
77.5°	612.4
80°	626.8
82.5°	577.5
85°	470.4
87.5°	328.4
90°	208.1
92.5°	155.2
95°	139.6
97.5°	142.0
100°	146.8
102.5°	151.6
105°	150.4
107.5°	144.4
110°	134.7



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	125.1
115°	115.5
117.5°	108.3
120°	101.1
122.5°	96.2
125°	90.2
127.5°	83.0
130°	78.2
132.5°	73.4
135°	69.8
137.5°	68.6
140°	67.4
142.5°	68.6
145°	68.6
147.5°	69.8
150°	72.2
152.5°	73.4
155°	73.4
157.5°	72.2
160°	69.8
162.5°	65.0
165°	59.0
167.5°	52.9
170°	46.9
172.5°	42.1
175°	37.3
177.5°	33.7
180°	31.3

(END OF REPORT)