

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: P1175806

Luminaire Tested: UHBS2-1218-W-L83065-LOW-6500K-CLR6

Issue Date: 8/26/2025

**Test Information**

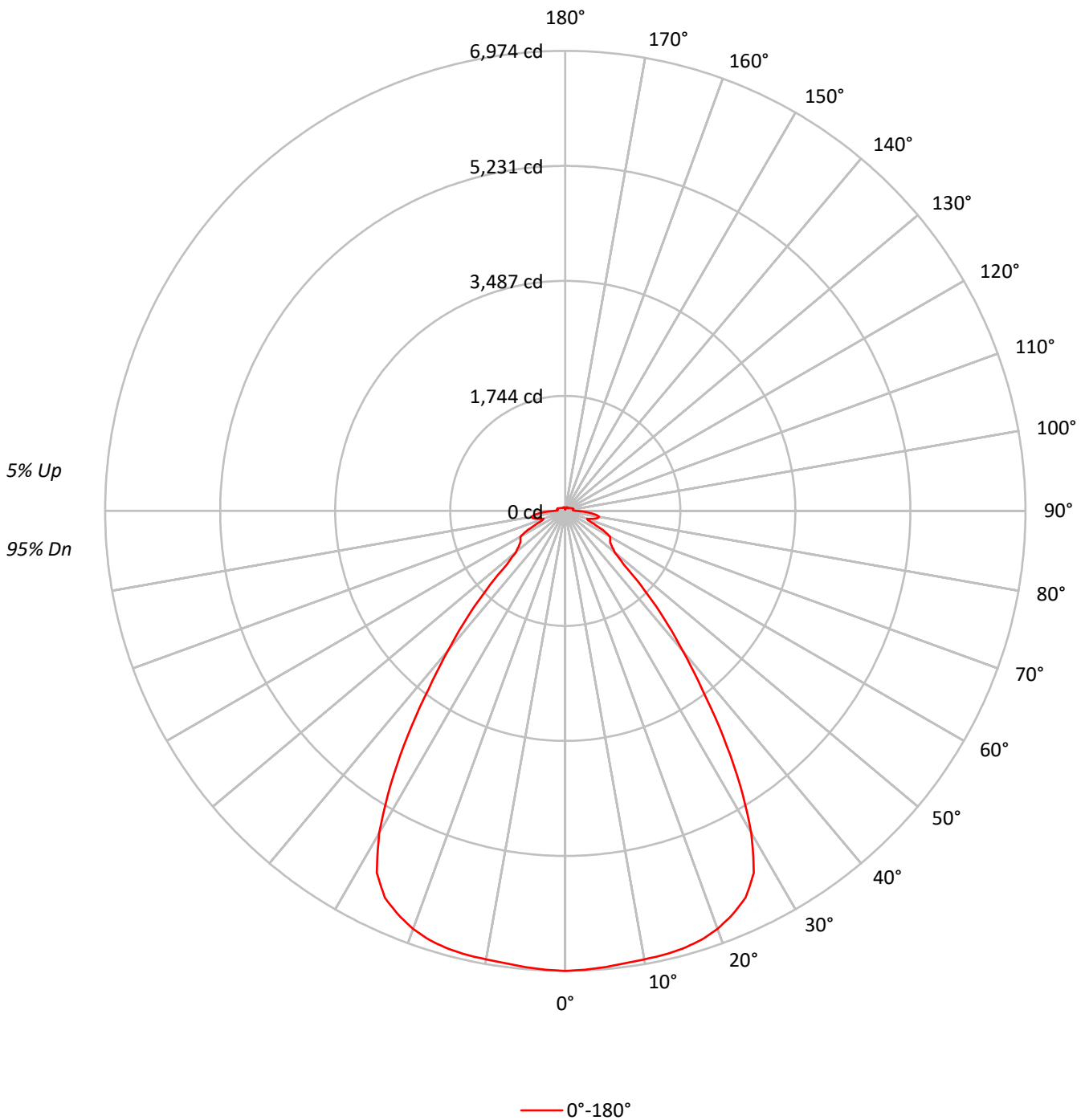
Test Method: LM-79-2019  
Report Number: P1175806  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-1218-W-L83065-LOW-6500K-CLR6  
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 6in Deep Clear Refractor  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12172.0 lumens  
Efficiency: N/A  
Efficacy: 151.4 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): 80.4  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.997  
Total Harmonic Distortion (THDi): 7.2  
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°	56467
5°	54108
10°	52249
15°	50922
20°	49332
25°	47056
30°	41118
35°	30665
40°	20717
45°	12972
50°	7790
55°	6894
60°	6870
65°	4637
70°	3550
75°	5028
80°	6409
85°	5487

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12972 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	661.3	5.4
10°-20°	1940.5	15.9
20°-30°	2933.8	24.1
30°-40°	2587.1	21.3
40°-50°	1330.6	10.9
50°-60°	763.2	6.3
60°-70°	520.1	4.3
70°-80°	473.9	3.9
80°-90°	404.6	3.3
90°-100°	138.7	1.1
100°-110°	128.6	1.1
110°-120°	96.1	0.8
120°-130°	66.9	0.5
130°-140°	45.7	0.4
140°-150°	36.0	0.3
150°-160°	27.8	0.2
160°-170°	14.1	0.1
170°-180°	3.2	0.0
0°-30°	5535.6	45.5
0°-40°	8122.7	66.7
0°-60°	10216.5	83.9
0°-90°	11615.0	95.4
90°-120°	363.4	3.0
90°-150°	511.9	4.2
90°-180°	557.0	4.6
0°-180°	12172.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6974	
5°	6942	661
15°	6871	1941
25°	6469	2934
35°	4165	2587
45°	1687	1331
55°	830	763
65°	496	520
75°	454	474
85°	389	344
90°	172	102
95°	116	97
105°	124	129
115°	96	96
125°	75	67
135°	58	46
145°	57	36
155°	61	28
165°	49	14
175°	31	3
180°	26	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6973.8
2.5°	6962.9
5°	6942.0
7.5°	6916.1
10°	6903.1
12.5°	6894.2
15°	6871.2
17.5°	6824.4
20°	6744.8
22.5°	6623.2
25°	6468.9
27.5°	6187.0
30°	5640.2
32.5°	4935.1
35°	4165.2
37.5°	3400.3
40°	2764.8
42.5°	2215.1
45°	1687.2
47.5°	1201.1
50°	979.0
52.5°	892.4
55°	829.6
57.5°	806.7
60°	783.8
62.5°	669.3
65°	496.0
67.5°	375.5
70°	351.6
72.5°	392.4
75°	454.2
77.5°	507.0
80°	518.9
82.5°	478.1
85°	389.4
87.5°	271.9
90°	172.3
92.5°	128.5
95°	115.5
97.5°	117.5
100°	121.5
102.5°	125.5
105°	124.5
107.5°	119.5
110°	111.5



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	103.6
115°	95.6
117.5°	89.6
120°	83.7
122.5°	79.7
125°	74.7
127.5°	68.7
130°	64.7
132.5°	60.8
135°	57.8
137.5°	56.8
140°	55.8
142.5°	56.8
145°	56.8
147.5°	57.8
150°	59.8
152.5°	60.8
155°	60.8
157.5°	59.8
160°	57.8
162.5°	53.8
165°	48.8
167.5°	43.8
170°	38.8
172.5°	34.9
175°	30.9
177.5°	27.9
180°	25.9

(END OF REPORT)