

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: P1175793

Luminaire Tested: UHBS2-1218-N-L83065-MID-3500K-CLR6

Issue Date: 8/26/2025

**Test Information**

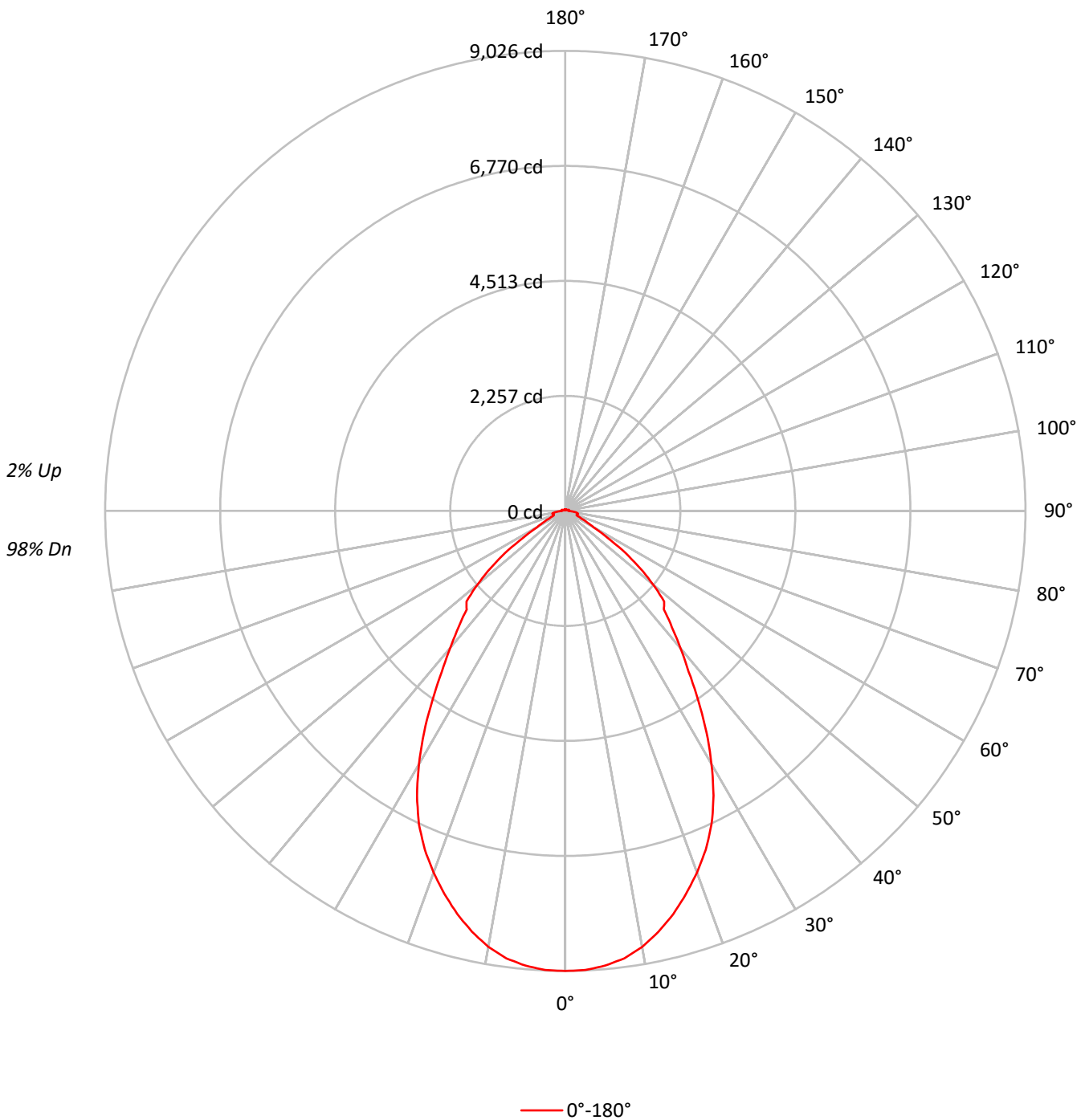
Test Method: LM-79-2019  
Report Number: P1175793  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-1218-N-L83065-MID-3500K-CLR6  
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 6in Deep Clear Refractor  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13614.0 lumens  
Efficiency: N/A  
Efficacy: 139.5 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): 97.6  
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	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°	73087
5°	69820
10°	65731
15°	60672
20°	55219
25°	49376
30°	41828
35°	33492
40°	26288
45°	21038
50°	17876
55°	11996
60°	5595
65°	3197
70°	2379
75°	2786
80°	2995
85°	2080

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21038 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	846.5	6.2
10°-20°	2296.4	16.9
20°-30°	3091.2	22.7
30°-40°	2846.3	20.9
40°-50°	2183.4	16.0
50°-60°	1271.2	9.3
60°-70°	371.8	2.7
70°-80°	261.5	1.9
80°-90°	163.7	1.2
90°-100°	68.9	0.5
100°-110°	76.9	0.6
110°-120°	52.0	0.4
120°-130°	29.5	0.2
130°-140°	19.2	0.1
140°-150°	16.3	0.1
150°-160°	12.0	0.1
160°-170°	5.7	0.0
170°-180°	1.5	0.0
0°-30°	6234.2	45.8
0°-40°	9080.5	66.7
0°-60°	12535.0	92.1
0°-90°	13332.1	97.9
90°-120°	197.8	1.5
90°-150°	262.8	1.9
90°-180°	282.0	2.1
0°-180°	13614.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9026	
5°	8958	847
15°	8187	2296
25°	6788	3091
35°	4549	2846
45°	2736	2183
55°	1444	1271
65°	342	372
75°	252	261
85°	148	141
90°	65	39
95°	60	52
105°	76	77
115°	52	52
125°	32	30
135°	24	19
145°	26	16
155°	26	12
165°	19	6
175°	15	1
180°	14	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9026.4
2.5°	9013.8
5°	8957.8
7.5°	8853.7
10°	8684.4
12.5°	8454.5
15°	8186.8
17.5°	7879.1
20°	7549.7
22.5°	7195.1
25°	6787.8
27.5°	6298.2
30°	5737.7
32.5°	5155.5
35°	4549.2
37.5°	3973.9
40°	3508.3
42.5°	3096.5
45°	2736.2
47.5°	2628.7
50°	2246.6
52.5°	1854.2
55°	1443.6
57.5°	990.6
60°	638.3
62.5°	467.9
65°	342.0
67.5°	262.0
70°	235.6
72.5°	239.1
75°	251.7
77.5°	258.5
80°	242.5
82.5°	201.3
85°	147.6
87.5°	98.4
90°	65.2
92.5°	58.3
95°	59.5
97.5°	66.3
100°	72.1
102.5°	75.5
105°	75.5
107.5°	70.9
110°	65.2



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	58.3
115°	51.5
117.5°	45.8
120°	41.2
122.5°	36.6
125°	32.0
127.5°	28.6
130°	26.3
132.5°	25.2
135°	24.0
137.5°	24.0
140°	25.2
142.5°	25.2
145°	26.3
147.5°	26.3
150°	27.5
152.5°	27.5
155°	26.3
157.5°	24.0
160°	22.9
162.5°	21.7
165°	19.4
167.5°	18.3
170°	17.2
172.5°	16.0
175°	14.9
177.5°	13.7
180°	13.7

(END OF REPORT)