

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: P1175792

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

Issue Date: 8/26/2025

**Test Information**

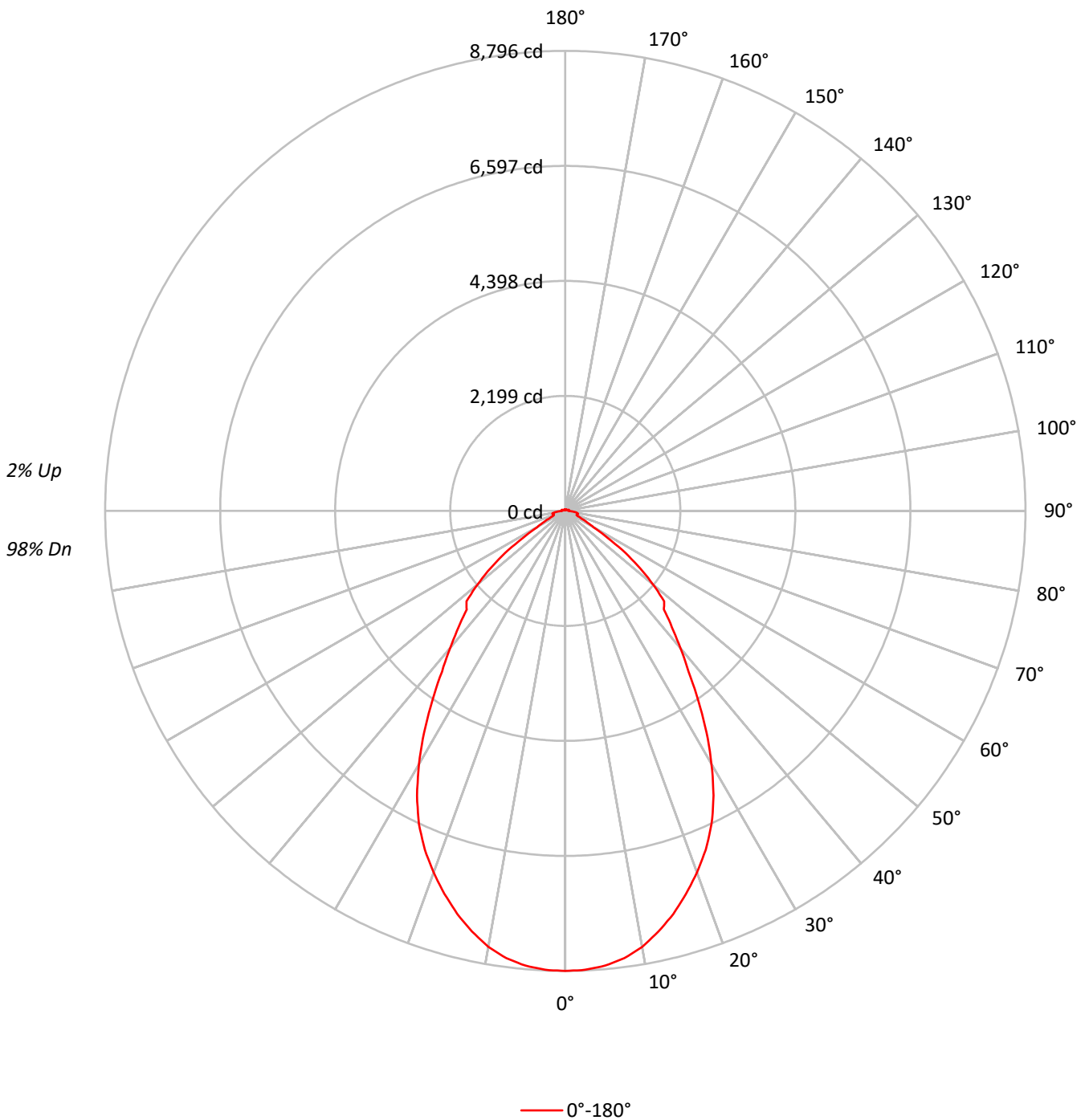
Test Method: LM-79-2019  
Report Number: P1175792  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-1218-N-L83065-MID-3000K-CLR6  
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 6in Deep Clear Refractor  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13266.0 lumens  
Efficiency: N/A  
Efficacy: 134.1 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): 98.9  
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	100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	89	89	89	87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	80	80	80	78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	71	71	71	69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	64	64	64	62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	58	58	58	56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	53	53	53	51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	48	48	48	46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	44	44	44	42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	41	41	41	39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	38	38	38	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	71219
5°	68035
10°	64051
15°	59121
20°	53807
25°	48114
30°	40760
35°	32636
40°	25616
45°	20499
50°	17419
55°	11689
60°	5452
65°	3116
70°	2319
75°	2714
80°	2919
85°	2026

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20499 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	824.9	6.2
10°-20°	2237.7	16.9
20°-30°	3012.2	22.7
30°-40°	2773.6	20.9
40°-50°	2127.5	16.0
50°-60°	1238.7	9.3
60°-70°	362.3	2.7
70°-80°	254.8	1.9
80°-90°	159.5	1.2
90°-100°	67.2	0.5
100°-110°	74.9	0.6
110°-120°	50.6	0.4
120°-130°	28.8	0.2
130°-140°	18.7	0.1
140°-150°	15.9	0.1
150°-160°	11.7	0.1
160°-170°	5.6	0.0
170°-180°	1.5	0.0
0°-30°	6074.8	45.8
0°-40°	8848.4	66.7
0°-60°	12214.6	92.1
0°-90°	12991.3	97.9
90°-120°	192.7	1.5
90°-150°	256.0	1.9
90°-180°	275.0	2.1
0°-180°	13266.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8796	
5°	8729	825
15°	7978	2238
25°	6614	3012
35°	4433	2774
45°	2666	2128
55°	1407	1239
65°	333	362
75°	245	255
85°	144	138
90°	64	38
95°	58	51
105°	74	75
115°	50	51
125°	31	29
135°	23	19
145°	26	16
155°	26	12
165°	19	6
175°	14	1
180°	13	

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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8795.7
2.5°	8783.4
5°	8728.8
7.5°	8627.4
10°	8462.4
12.5°	8238.4
15°	7977.5
17.5°	7677.7
20°	7356.7
22.5°	7011.1
25°	6614.3
27.5°	6137.2
30°	5591.1
32.5°	5023.7
35°	4433.0
37.5°	3872.3
40°	3418.6
42.5°	3017.4
45°	2666.2
47.5°	2561.5
50°	2189.2
52.5°	1806.8
55°	1406.7
57.5°	965.3
60°	622.0
62.5°	455.9
65°	333.3
67.5°	255.3
70°	229.6
72.5°	233.0
75°	245.2
77.5°	251.9
80°	236.3
82.5°	196.2
85°	143.8
87.5°	95.9
90°	63.5
92.5°	56.8
95°	58.0
97.5°	64.6
100°	70.2
102.5°	73.6
105°	73.6
107.5°	69.1
110°	63.5



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	56.8
115°	50.2
117.5°	44.6
120°	40.1
122.5°	35.7
125°	31.2
127.5°	27.9
130°	25.6
132.5°	24.5
135°	23.4
137.5°	23.4
140°	24.5
142.5°	24.5
145°	25.6
147.5°	25.6
150°	26.8
152.5°	26.8
155°	25.6
157.5°	23.4
160°	22.3
162.5°	21.2
165°	18.9
167.5°	17.8
170°	16.7
172.5°	15.6
175°	14.5
177.5°	13.4
180°	13.4

(END OF REPORT)