

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: P1175778

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

Issue Date: 8/26/2025

**Test Information**

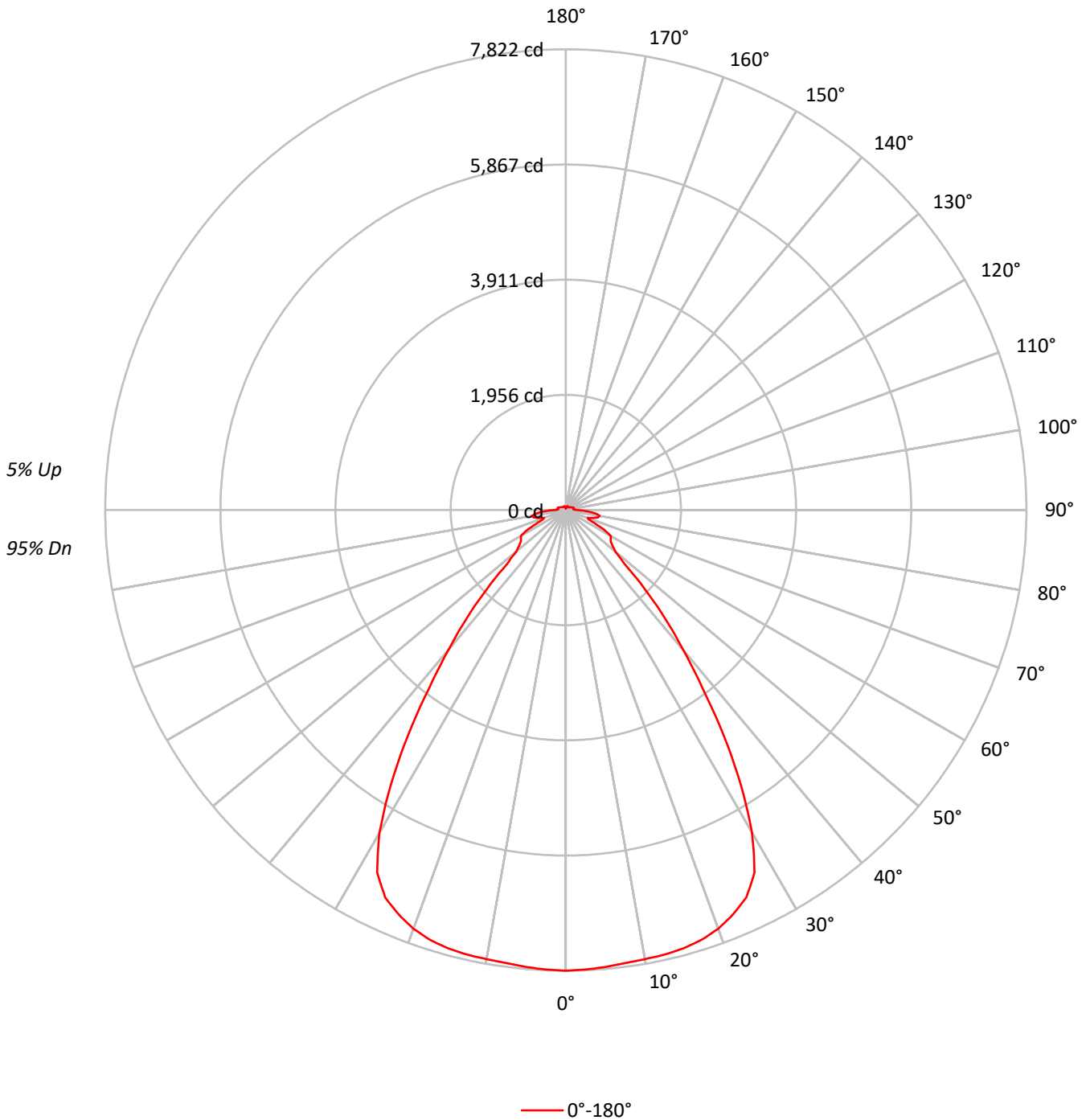
Test Method: LM-79-2019  
Report Number: P1175778  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-1218-M-L83065-MID-3500K-CLR6  
Description: 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: 13653.0 lumens  
Efficiency: N/A  
Efficacy: 139.9 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): 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				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°	63338
5°	60691
10°	58606
15°	57119
20°	55334
25°	52782
30°	46121
35°	34396
40°	23238
45°	14551
50°	8738
55°	7733
60°	7706
65°	5201
70°	3983
75°	5639
80°	7189
85°	6155

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14551 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	741.7	5.4
10°-20°	2176.7	15.9
20°-30°	3290.8	24.1
30°-40°	2901.8	21.3
40°-50°	1492.5	10.9
50°-60°	856.2	6.3
60°-70°	583.4	4.3
70°-80°	531.5	3.9
80°-90°	453.8	3.3
90°-100°	155.6	1.1
100°-110°	144.2	1.1
110°-120°	107.7	0.8
120°-130°	75.0	0.5
130°-140°	51.3	0.4
140°-150°	40.3	0.3
150°-160°	31.2	0.2
160°-170°	15.8	0.1
170°-180°	3.6	0.0
0°-30°	6209.2	45.5
0°-40°	9111.0	66.7
0°-60°	11459.6	83.9
0°-90°	13028.3	95.4
90°-120°	407.6	3.0
90°-150°	574.1	4.2
90°-180°	625.0	4.6
0°-180°	13653.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7822	
5°	7787	742
15°	7707	2177
25°	7256	3291
35°	4672	2902
45°	1892	1492
55°	931	856
65°	556	583
75°	509	531
85°	437	386
90°	193	115
95°	130	109
105°	140	144
115°	107	108
125°	84	75
135°	65	51
145°	64	40
155°	68	31
165°	55	16
175°	35	4
180°	29	

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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7822.4
2.5°	7810.1
5°	7786.6
7.5°	7757.6
10°	7743.0
12.5°	7733.0
15°	7707.3
17.5°	7654.8
20°	7565.4
22.5°	7429.1
25°	7256.0
27.5°	6939.8
30°	6326.5
32.5°	5535.5
35°	4672.0
37.5°	3814.0
40°	3101.2
42.5°	2484.6
45°	1892.5
47.5°	1347.3
50°	1098.2
52.5°	1001.0
55°	930.6
57.5°	904.9
60°	879.2
62.5°	750.7
65°	556.3
67.5°	421.2
70°	394.4
72.5°	440.2
75°	509.4
77.5°	568.6
80°	582.0
82.5°	536.2
85°	436.8
87.5°	305.0
90°	193.3
92.5°	144.1
95°	129.6
97.5°	131.8
100°	136.3
102.5°	140.8
105°	139.6
107.5°	134.1
110°	125.1



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	116.2
115°	107.2
117.5°	100.5
120°	93.8
122.5°	89.4
125°	83.8
127.5°	77.1
130°	72.6
132.5°	68.1
135°	64.8
137.5°	63.7
140°	62.6
142.5°	63.7
145°	63.7
147.5°	64.8
150°	67.0
152.5°	68.1
155°	68.1
157.5°	67.0
160°	64.8
162.5°	60.3
165°	54.7
167.5°	49.2
170°	43.6
172.5°	39.1
175°	34.6
177.5°	31.3
180°	29.0

(END OF REPORT)